

**FORMER ARKANSAS CHEMICAL CO., INC SITE
74 WALLABOUT STREET
BROOKLYN, NEW YORK
BCP NO. C224172
NYSDEC SPILL NO. 12-13721**

REMEDIAL INVESTIGATION REPORT

SUBMITTED TO:



New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7016

PREPARED FOR:

74 Wallabout LLC
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PWGC Project Number: RAB1301

APRIL 30, 2014

P.W. GROSSER CONSULTING PC
PROJECT No. RAB1301

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**REMEDIAL INVESTIGATION WORK PLAN
74 WALLABOUT STREET
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CERTIFICATION

I, Andrew Lockwood, LEP, certify that I am currently a Qualified Environmental Professional (QEP), as defined in §43-140, and that this Remedial Investigation was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

I certify that all information and statements in this certification are true. I understand that a false statement made herein is punishable as Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.



Andrew Lockwood, LEP

April 30, 2014

QEP Name

Date

Signature

It is a violation of Article 145 of New York State Education Law for any person to alter this document in any way without the express written verification of adoption by any New York State licensed engineer in accordance with Section 7209(2), Article 145, New York State Education Law.

1.0 INTRODUCTION

P.W. Grosser Consulting Engineer & Hydrogeologist, PC (PWGC) has prepared the following report to document the findings of the Remedial Investigation (RI) performed at the Former Arkansas Chemical Company Site located at 74 Wallabout Street in Brooklyn, New York. This work was conducted on behalf of 74 Wallabout, LLC as part of the remedial investigation portion of New York State Department of Environmental Conservation's (NYSDEC's) Brownfield Cleanup Program (BCP).

The investigation was performed in accordance with the NYSDEC approved Remedial Investigation Work Plan (RIWP) dated June 2013 and Addendum to the RIWP dated July 1, 2013. The site has been accepted into the NYSDEC BCP as a Volunteer and a Brownfield Clean-up Agreement (BCA) has been executed between the NYSDEC and the property owner; the site has been assigned NYSDEC BCP No. C224172. As such, this report is intended to document the results of the investigations of potential areas of concern within the property boundary and evaluate if off-site adjacent properties may be impacted.

The site is currently planned for development of a multi-story mixed use building. A Vicinity Map is included as **Figure 1**; a Site Plan with proposed redevelopment is included as **Figure 2**.

1.1 Previous Investigations

1.1.1 Phase I Environmental Site Assessment (ESA) (2006)

Middleton Environmental, Inc. (MEI) conducted a Phase I ESA for the site in October 2006. The Phase I ESA identified several historical uses of environmental concern including, a chemical company (Arkansas Chemical Co., Inc.), a paint and varnish manufacturing company, a rope manufacturing company, a plastic processing company, a cleaner industries company, a soap company, a wood working company, a lumber company, a shelving company, and a houseware and household chemicals distributing company (Lee Distributors). No specific determination regarding the usage, storage or disposal of hazardous wastes/materials while these businesses were in operation could be made, however a 1948 Certificate of Occupancy identified permissible use at the site as the manufacture and storage of paints and varnishes. The Phase I ESA also identified suspect underground storage tanks (USTs), storm water drywells and several metal floor plates of unknown usage at the site.

1.1.2 Phase II ESA (2007)

PWGC conducted a Phase II ESA for the site in January 2007. The purpose of the Phase II ESA was to address the recognized environmental conditions specified in the MEI Phase I ESA Report. Due to access limitations, the Phase II ESA was limited to the northern half of the site. No investigation was conducted on the southern half of the property. The Phase II ESA included a geophysical survey of accessible areas and a subsurface investigation consisting of the installation of eight soil borings to depths between 4.5-16 feet below ground surface (bgs).

A geophysical survey was performed on December 22, 2006. Due to access limitations, the geophysical was limited to the northern half of the site. Due to the nature of the existing reinforced concrete slab, a

magnetometer survey was not performed. NOVA Geophysical and Environmental Services (NOVA) of Douglaston, New York performed a Ground Penetrating Radar (GPR) and Noggin's Concrete Imaging survey to locate anomalies indicative of buried USTs at the site. GPR profiles collected within the northeast corner of the existing building appeared to be consistent with the size and shape of six 550-gallon USTs. Additionally, six vent lines (connected to the suspected USTs) were located on the northeast corner of the building. Additional anomalies suspected to be scrap metal or concrete rubble were also identified across the site. Geophysical anomalies are shown on **Figure 3**.

Four borings were installed around the identified anomaly located at the northeast corner of the site and the remaining four borings were spread across the site. Three groundwater samples were collected from the borings advanced near the USTs. Sampling locations are shown on **Figures 4 and 5**. Groundwater was encountered at approximately 12 feet bgs. The Phase II ESA included analysis of soil and groundwater samples for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs).

While the subsurface conditions around the USTs did not indicate evidence of a release, the Phase II ESA did identify an area beneath the paved portion of the site with elevated SVOC concentrations that exceed what would typically be associated with historic fill.

Visual/olfactory evidence of impacts and/or elevated PID readings were reported at several boring locations. A total of six soil samples and three groundwater samples were submitted for analysis.

Acetone was detected above NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) in one of the six soil samples analyzed. Acetone is a common laboratory contaminant. Several SVOCs were detected in each of the samples above NYSDEC Part 375 UUSCOs and one sample collected contained SVOCs concentrations above NYSDEC Part 375 Industrial Use SCOs. The concentrations of SVOCs at this location may indicate an as yet unidentified source of contamination. Based upon these findings and the historic use of the site, the Phase II ESA recommended additional investigation which would include the entire site as well as analysis for a wider range of potential contaminants of concern (COCs) that better reflect the past site uses (e.g. pesticides, PCBs and heavy metals).

Acetone was detected in the three groundwater samples submitted for analysis; one sample contained acetone concentrations above NYSDEC groundwater standards. Acetone is a common laboratory contaminant. Several SVOCs were detected in each of the three samples at concentrations exceeding NYSDEC groundwater standards.

1.1.3 Supplemental Phase II ESA (2012)

Prior to being accepted into the NYSDEC BCP, PWGC conducted a Supplemental Phase II ESA in December 2012 to characterize the southern half of the site and to further delineate the extent of elevated SVOCs identified during the January 2007 Phase II ESA. The Supplemental Phase II ESA included a subsurface investigation consisting of the installation of eight soil borings (SB009 – SB016) to a depth of 20 feet below grade, three

groundwater monitoring wells (MW001 – MW003), and three temporary soil vapor sampling ports (SV001 – SV003). Sampling locations are shown on **Figures 4** through **6**.

One VOC, 2-butanone, was detected above NYSDEC Part 375 UUSCOs in one of the eight soil samples analyzed. Several SVOCs were detected in four of the ten collected samples above NYSDEC Part 375 UUSCOs. The concentrations in one (SB013) of the four elevated samples was comparable to the concentrations seen in SB-8 during the Phase II ESA performed in 2007. Pesticides were detected in four of the ten soil samples above NYSDEC Part 375 UUSCOs. Metals were detected in twelve of the thirteen samples above NYSDEC Part 375 UUSCOs and mercury exceeded the NYSDEC Part 375 Industrial Use SCO in four of the soil samples.

Three groundwater monitoring wells were installed at the site to determine groundwater quality. Light non-aqueous phase liquid (LNAPL) was observed in one of the three newly installed groundwater monitoring wells (MW002). Groundwater samples were collected from the two groundwater monitoring wells not containing LNAPL and from two temporary groundwater points to determine groundwater quality. In addition, an LNAPL sample was collected for identification.

One VOC, naphthalene, was detected in one of the groundwater samples above NYSDEC Ambient Water Quality Standards (AWQS). Several SVOCs were detected in each of the four groundwater samples above NYSDEC AWQS. Several metals were detected in both the total and dissolved groundwater samples above NYSDEC AWQS; however mercury was not detected above the AWQS in the dissolved groundwater samples. The LNAPL was determined to most closely match gasoline.

Three temporary soil vapor samples were collected at the site to determine soil vapor concentrations. Several VOCs were detected in each of the three samples. None of the compounds associated with the New York State Department of Health (NYSDOH) decision matrices were detected.

1.2 Potential Areas of Concern

Previous investigations at the subject property have identified the following potential areas of concern which may act as a source of contamination at the subject property:

1. Several USTs are present at the site and the potential exists for additional USTs to be present in areas not previously surveyed.
2. Multiple pits located in the building floor and a large concrete vault was observed during the investigations.
3. The southern portion of the site was historically utilized for the storage and productions of chemicals.
4. The presence of LNAPL in the southwestern portion of the site suggests a potential onsite source.

2.0 SITE DESCRIPTION AND HISTORY

2.1 Site Description

The subject property is approximately 0.91 acres in area and is currently undeveloped. The site was formerly improved with a 44,700 square foot, two to three-story warehouses which were demolished between July and August 2013, an accessory at-grade parking and loading area at the northwest corner of the lot, and a smaller fenced-in parking area at the southwest corner of the lot. The property is bordered on the north by Wallabout Street and residential property, on the east by a hotel and school, on the west by Kent Avenue and residential and commercial properties, and on the south by Flushing Avenue and a vacant lot and commercial property.

The site is currently planned for development of a multi-story mixed use building. A Vicinity Map is included as **Figure 1**; a Site Plan with proposed redevelopment is included as **Figure 2**.

2.2 Site History

Combinations of residential, mixed and commercial buildings were demolished and several commercial buildings and a portion of the recently demolished commercial building were constructed at the subject site in 1926 and 1927. A commercial building was demolished prior to 1950 and the southern asphalt parking area was constructed at the subject site. A commercial building was demolished and the remaining portion of the current commercial building was constructed at the subject site in 1945. A commercial building was demolished prior to 1965 and the northern asphalt parking area was constructed at the subject site.

A review of available New York Telephone Address Directories, New York City Department of Buildings (NYCDOB) Certificates of Occupancy, and available Sanborn Fire Insurance Maps indicated the subject site was utilized in the past by a chemical manufacturer, furniture manufacturer, shelving company, paint and varnish manufacturer, lumber company, cable and rope company, packaging company, plastic processing company, a cleaner industries company and a houseware and household chemicals distributing company. No determination regarding the usage, storage or disposal of hazardous wastes while these facilities were in operation could be made.

2.3 Current and Future Site Use

The site is currently undeveloped. The proposed development would consist of a 7-story mixed use building consisting of approximately 135 residential units (approx. 150,000 gross square feet), ground floor retail space (approx. 29,000 gross square feet), and a below-grade accessory garage with approximately 60 parking spaces. In addition, approximately 5,000 square feet of the site would remain undeveloped fronting Flushing Avenue and will be given to the adjacent existing private school (Yeshiva Bnos Ahavas Israel), to facilitate its expansion with a 5-story addition (approx. 18,000 gross square feet) in the future. Redevelopment of the site will include excavation to a minimum depth of ten feet across the entire property. The goal of the redevelopment is to reach a Track 1 cleanup; however it is understood that the project may achieve a Track 2 or Track 4 cleanup.

3.0 REMEDIAL INVESTIGATION

The RI was performed to identify and characterize potential contaminants and delineate potential areas of concern within the property boundary and evaluate if off-site adjacent properties may be impacted. The completed investigation included the following tasks:

1. Geophysical Investigation
2. Investigation of pits and concrete vault
3. Delineation of soil impact
4. Characterization of on-site groundwater
5. Determination of Site Specific Groundwater Flow Direction
6. Delineation of LNAPL
7. Characterization of Soil Vapor

3.1 Geophysical Investigation

On July 9, 2013, PWGC and their subcontractor DELTA Geophysics Inc. (DGI) of Catasauqua, Pennsylvania mobilized to the site to perform the geophysical survey. The purpose of the geophysical survey was to determine if subsurface anomalies are present in the portion of the site not previously surveyed and confirm the absence/presence of subsurface anomalies in the previously surveyed portion of the site. DGI technicians utilized a Fisher M-Scope metal detection instrument, a Radiodetection utility locator, and a Sensors & Software Smart Cart GPR to perform the site survey.

3.1.1 Interior Survey Findings

Within the eastern interior portion of the building, several fill ports were visible during the investigation. Due to reinforced concrete, GPR depth of penetration was less than one foot. The suspect tanks could not be confirmed. No additional anomalies were detected. Based upon this and previous geophysical investigations, up to six USTs are believed to be located in this area.

On the west exterior wall, adjacent to the parking lot, a vent and fill line were visible. The lines were traced visually east and into an interior wall. DGI removed a panel on the wall and identified the end of the pipes, which were cut and capped. There was no indication that the lines went beneath the building slab and were likely connected to an above ground storage tank (AST) at one time.

3.1.2 Exterior Survey Findings

An anomaly consistent with a UST was located in the north parking lot perpendicular to the sidewalk of Wallabout Street. The anomaly was detected with the TW-6 metallic locator and then surveyed with the GPR for identification.

3.1.3 Additional Findings

On August 28, 2013, during removal of the former buildings concrete foundation, one additional anomaly was identified in the southwestern portion of the property. The anomaly appeared to be consistent with the structure

of a UST. An excavator was utilized to expose the anomaly and was confirmed to be a UST. Approximately one foot of liquid was observed in the structure which appeared to contain a mixture of LNAPL and water. The anomaly was in the location of the former office area.

Figure 3 depicts the locations of the geophysical anomalies. The complete Geophysical Investigation Report is included in **Appendix A**.

3.2 Investigation of pits and concrete vault

Previous investigations have identified a large concrete vault and several pits which had not been characterized.

3.2.1 Field Inspection

PWGC performed a visual inspection of the site to determine the number and location of pits. A total of 15 pits and one concrete vault were identified. Each structure was inspected to determine its construction. Fourteen of the fifteen pits were determined to have concrete walls and bottoms. FD016 was determined to have an earthen bottom. Sediment buildup was observed in several of the structures and solid bottoms were confirmed with a probing rod. Several of the structures appeared to discharge into the large concrete vault and several of the structures were piped in the direction of the municipal sewer system. **Figure 3** shows the location of the pits and concrete vault.

3.2.2 Sampling Protocol

Sampling was performed in accordance with the NYSDEC Division of Environmental Remediation (DER) DER-10 Technical Guidance for Site Investigation and Remediation, May 2010.

Based upon correspondence with Mr. Jonathan Greco of NYSDEC, NYDEC requested that a liquid sample be collected from the large concrete vault and that five sediment samples be collected from the pits to provide a representation/characterization of the built up material. Based upon the location of the pits, samples were collected from FD002, FD005, FD007, FD009, and FD015 as chosen by PWGC.

A liquid sample was collected from within the large concrete vault utilizing a polyethylene bailer.

Soil/sediment samples were retrieved from the pits utilizing a stainless steel hand auger. Prior to sampling, equipment was decontaminated using a laboratory-grade detergent and tap water scrub to remove visual contamination; generous tap water rinse; followed by a distilled water rinse. Three grab samples were retrieved from each structure. Volatile organic compounds are sensitive and compositing the samples often releases some of the organics as vapor. Grab samples were screened with a photoionization detector (PID) to detect the presence of volatile organic vapors associated with petroleum products and industrial solvents. Volatile organic vapors were not detected with the PID from the samples collected from any of the structures. A VOC sample was collected from one of the grab samples at random since there was no PID response and jarred separately. The remaining samples were transferred to a stainless steel bowl and homogenized.

Liquid and soil/sediment samples were containerized in glassware provided by Alpha Analytical Laboratories

(AAL) of Westboro, Massachusetts, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory (ELAP ID: 11148). The samples were packed in a cooler with ice and shipped to AAL under chain-of custody seal. Samples were analyzed for:

- TCL/PP Volatile Organic Compounds by USEPA Method 8260
- TCL/PP Semi-Volatile Organic Compounds by USEPA Method 8270
- TCL Organochlorine Pesticides & PCBs by USEPA Methods 8081/8082
- TAL Metals by USEPA Methods 6010/7471(for soil/sediment) and Methods 6020/7470 (for liquid)

3.2.3 *Liquid Analytical Results*

One VOC, acetone, was detected above laboratory method detection limits in the liquid sample at a low concentration (7.9 µg/l). Acetone is a common laboratory contaminant.

Several SVOCs were detected above laboratory method detection limits in the liquid sample at low concentrations ranging from 0.24 µg/l to 3.6 µg/l. In addition, several metals were detected above laboratory method detection limits.

3.2.4 *Soil/Sediment Analytical Results*

Soil/sediment analytical results were compared to the NYSDEC Part 375 and CP-51 Soil Cleanup Objectives (SCOs) for Unrestricted Use and Restricted-Residential Use.

One VOC, acetone, was detected above NYSDEC UUSCOs in the sample collected from FD002. Acetone is a common laboratory contaminant. No other VOCs were detected above NYSDEC UUSCOs; however, dilutions were performed on several of the samples due to elevated detections of several target compounds (naphthalene, p-isopropyltoluene, and toluene) and the method detection limits were higher than NYSDEC UUSCOs for several compounds.

SVOCs were detected above NYSDEC UUSCOs in each of the five soil/sediment samples collected. Total SVOC concentrations were significantly higher in three of the five samples (FD002 @ 992.3 mg/kg, FD005 @ 2,006 mg/kg, and FD007 @ 1,498.6 mg/kg). These floor drains are located in the southeast portion of the building.

Metals were detected above NYSDEC UUSCOs in each of the five soil/sediment samples collected. Arsenic, barium, cadmium, chromium, copper, lead, manganese, mercury, nickel, silver, and/or zinc were detected. Concentrations were slightly higher in FD002, FD007, and FD015 compared to the other floor drain samples. The soil/sediment samples were further analyzed by toxicity characteristic leaching procedure (TCLP) to determine if metal levels are considered hazardous. TCLP analytical results were not detected above their respective United States Environmental Protection Agency (USEPA) Hazardous Waste Regulatory Level (HWRL).

Pesticides and/or PCBs were detected above NYSDEC UUSCOs but below Restricted Residential SCOs (RRSCOs) in three of the five soil/sediment samples.

Analytical results are detailed in **Tables 1** through **4** and the complete laboratory analytical report is included in

Appendix B.

3.2.5 *Cleanout of Structures and Final Inspection*

In order to determine the integrity of the structures and to assess whether additional investigative sampling was required, soil/sediment and liquid were removed from each structure. This work was performed in accordance with PWGC's Remedial Investigation Completion Plan dated July 30, 2013 which was approved by the NYSDEC in an email dated July 30, 2013.

AB Environmental Services, Ltd performed the clean out of the structures on August 12, 2013. A vacuum powered pump truck was used to remove liquids from the large concrete vault. A total of 1,800 gallons of liquid were removed from the vault. Liquids were disposed of at AB Oil Service Ltd in Bohemia, New York. Following the removal of liquids, a drum vacuum was utilized to remove sediments from each structure. A total of six drums were generated and disposed of at AB Oil Service Ltd. Following removal of sediment, each structure was inspected for cracks and/or penetrations to the subsurface. One structure, FD016 was found to have an earthen bottom and one structure, FD005 was found to have cracks and penetrations to the subsurface. A photo log of each structure is included in **Appendix C** and waste manifests are included in **Appendix D**.

In order to determine if impact has migrated to the subsurface, soil samples were collected from beneath FD005 and FD016. Sampling was performed in accordance with the protocols established in Section 3.2.2. Analytical results are discussed in Section 3.3.2.

3.3 **Soil Delineation**

To further characterize subsurface conditions, soil borings were installed throughout the property. Boring locations were focused near areas in which elevated SVOCs and metals were detected during previous investigations and where samples were not previously collected (SB017 – SB022). An additional boring (SB023) was installed adjacent to the suspect 550-gallon UST anomaly identified during the geophysical survey within the northwest parking lot. Two shallow soil samples were collected from beneath FD005 and FD016. A total of seven soil borings were installed during the investigation. Boring locations are illustrated on **Figure 4**.

3.3.1 *Sampling Protocol*

Soil sampling was performed in accordance with NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation, May 2010.

On July 11, 2013, PWGC mobilized to the site with LVS, Inc. of Wading River, New York to install soil borings in accordance with the NYSDEC approved RIWP prepared by PWGC and dated June 2013. LVS utilized a track mounted Geoprobe® direct-push drill rig to perform the soil borings. Non-disposable sampling equipment was decontaminated using a laboratory-grade detergent and tap water scrub to remove visual contamination; generous tap water rinse; followed by a distilled water rinse prior to the collection of each sample.

At each of the seven soil boring locations, soil samples were collected from grade to approximately 16 feet bgs.

Soil samples were classified using the Unified Soil Classification System (USCS) and screened in the field for the presence of VOCs using a PID. Shallow soils, ranging from 0-8 feet bgs were characterized as mostly non-native, historic fill material consisting of brown silty sands. Deeper soils, ranging from 8-15 feet bgs were characterized as mostly gray, low-plasticity, silty clay. Some PID responses above background levels were observed in the seven borings ranging from non-detect to 88.7 ppm. Soil boring logs are included in **Appendix E**.

Soil samples were collected from 0-2 feet, 6-8 feet and 10-12 feet from SB017 through SB022 to characterize soil quality across the site. The first two soil intervals are representative of the material to be removed during site redevelopment. The 10-12 feet interval represents the soil that will remain at the site after redevelopment. A soil sample was collected from the 6-8 foot interval from SB023 which correlates to the anticipated bottom depth of the subsurface anomaly.

Samples were collected in pre-cleaned laboratory supplied glassware and stored in a cooler on ice for transport to AAL for analysis. Samples were analyzed for:

- TCL/PP Volatile Organic Compounds by USEPA Method 8260
- TCL/PP Semi-Volatile Organic Compounds by USEPA Method 8270
- TCL Organochlorine Pesticides & PCBs by USEPA Methods 8081/8082
- TAL Metals by USEPA Methods 6010/7471

3.3.2 *Soil Analytical Results*

Soil analytical results were compared to the NYSDEC Part 375 and CP-51 SCOs for Unrestricted Use, Restricted-Residential Use, and Protection of Groundwater.

VOCs were detected above NYSDEC UUSCOs in four of the seven soil borings and in one of the two shallow soil samples collected beneath the pits. SB022 contained elevated concentrations of benzene (0.067 mg/kg @ 0-2 feet and 0.077 µg/kg @ 6-8 feet), p/m-xylene (0.22 mg/kg @ 0-2 feet and 0.35 mg/kg @ 6-8 feet), and trichloroethene (2.1 mg/kg @ 0-2 feet and 4.5 mg/kg @ 6-8 feet) in the first two soil intervals. The deepest interval (10-12 feet) did not identify levels above NYSDEC UUSCOs. P/m-xylene was also detected above NYSDEC UUSCOs in the 6-8 foot interval from SB021 at a concentration of 0.68 mg/kg. The only other VOC detected above NYSDEC UUSCOs was acetone which is a common laboratory contaminant.

SVOCs were detected above NYSDEC UUSCOs in four of the seven soil borings (SB017, SB018, SB021, and SB022) and both shallow soil samples (FD005 and FD016). SVOCs were highest in the first two soil intervals (0-2 feet and 6-8 feet) and decreased to below NYSDEC UUSCOs in the 10 to 12 foot interval. Concentrations were consistent with that seen during previous investigations.

Metals were detected above NYSDEC UUSCOs in six of the seven soil borings and both shallow soil samples (FD005 and FD016). Metal concentrations were detected in both shallow and deep intervals. In general, metal concentrations decreased in the deeper soil sample. Concentrations were consistent with that seen during

previous investigations.

Pesticides/PCBs were not detected above NYSDEC UUSCOs with the exception of 4,4'-DDD (Dichlorodiphenyldichloroethane) in three of the seven soil borings and 4,4'-DDT (Dichlorodiphenyltrichloroethane) in both shallow soil samples (FD005 and FD016). Detections were limited to the shallow intervals and were not detected in the deeper soil interval.

Levels of VOCs and SVOCs detected in SB023, adjacent to the suspect UST, did not indicate that a release has occurred. Results from beneath FD005 and FD016 showed similar concentrations of SVOCs, metals, and pesticides to that of the shallow soil boring intervals and indicates that the pits were not a source of impact at the site.

Analytical results are detailed in **Tables 5** through **8** and the complete laboratory analytical report is included in **Appendix B**. **Figures 4A, 4B, and 4C** detail compounds detected above NYSDEC UUSCOs for the shallow, intermediate, and deep intervals, respectively.

3.4 Delineation of Light Non-Aqueous Phase Liquid

Previous investigations at the site identified the presence of LNAPL in groundwater monitoring well MW002 which is located in the southwest parking area. In order to determine the horizontal extent of LNAPL in the vicinity of MW002, four observation wells (OB001 through OB004) were installed around MW002. The location of the observation wells are illustrated in **Figure 5**.

3.4.1 Installation of Observation Wells

On July 11 and July 19, 2013, PWGC mobilized to the site with Associated Environmental Services LTD (AES) of Hauppauge, New York and/or LVS to install observation wells. AES and LVS utilized a drill rig to advance 3-inch diameter macro-cores to the appropriate depths. The boreholes were over drilled to a depth of 18 feet bgs. At this depth, a 2-inch diameter, schedule 40 PVC monitoring well was installed through the macro-core. The observation well was constructed with 10 feet of screen with 0.010 inch slot and 7 feet of solid riser. This allowed for the well screen to be set with 7 feet into and 3 feet above the water table. The well annulus was filled with #2 morie sand to two feet above the well screen. A two-foot bentonite seal was installed above the screen. The remaining annulus was filled with a cement/bentonite grout. The wells were finished with locking j-plugs and flush mount curb boxes. Observation well construction logs are included in **Appendix F**.

3.4.2 LNAPL Monitoring

LNAPL monitoring of the observation wells and groundwater monitoring wells containing LNAPL consisted of collecting and recording depth to water, depth to light non-aqueous phase liquid (LNAPL), LNAPL thickness and total well depth measurements using a Solinst Oil/Water Interface Probe. LNAPL monitoring data for September 18, 2013 is summarized below.

Well ID	Depth to LNAPL	Depth To Water	LNAPL Thickness
MW002	8.28	10.76	2.48
MW005	7.32	12.27	4.95
OB001	8.49	13.40	4.91
OB002	9.50	9.50	Sheen
OB003	NA	8.85	NP
OB004	7.85	7.87	0.02

LNAPL thicknesses and contours are illustrated in **Figure 5**.

3.5 Evaluation of Groundwater Flow

Two new monitoring wells were installed to supplement the existing three monitoring wells to further characterize groundwater quality at the site and determine groundwater flow direction.

3.5.1 Installation of Monitoring Wells

On July 19, 2013, PWGC mobilized to the site with AES to install two additional monitoring wells (MW004 & MW005) in accordance with the NYSDEC approved RIWP prepared by PWGC and dated June 2013. Locations of the monitoring wells are illustrated in **Figure 5**.

AES utilized a rotary drill rig to advance 4 ¼ inch diameter hollow stem augers to the appropriate depths. The boreholes were over drilled to a depth of 18 feet bgs. At this depth, a 2-inch diameter, schedule 40 PVC monitoring well was installed through the augers. The monitoring well consisted of 10 feet of screen with 0.010 inch slot and 7 feet of solid riser. This allowed for the well screen to be set with 7 feet into and 3 feet above the water table. The well annulus was filled with #2 morie sand to two feet above the well screen. A two-foot fine sand layer, #00, was installed above the screen followed by a two-foot bentonite seal. The remaining annulus was filled with a cement/bentonite grout. The wells were finished with locking j-plugs and flush mount curb boxes. Monitoring well construction logs are included in **Appendix F**.

3.5.2 Monitoring Well Development

Monitoring wells (MW004 and MW005) were developed by over-pumping to restore the hydraulic properties of the aquifer. Well development continued until the turbidity of the groundwater was less than or equal to 50 Nephelometric Turbidity Units (NTUs), and when pH, temperature, and conductivity measurements stabilized. Stabilization was considered achieved when three consecutive readings (three to five minutes apart) of these field parameters were within five percent of each other. Monitoring well development information is provided on the well development logs included in **Appendix G**.

3.5.3 Groundwater Flow Evaluation

On September 18, 2013, PWGC surveyed all onsite monitoring wells relative to an arbitrary on-site benchmark. The measuring point on each well casing was marked for future measurements. Depth to water measurements were collected with a Solinst Interface Probe from each groundwater monitoring well. The depth to water readings were converted to groundwater elevations and the information was used to generate site specific groundwater contours.

Based upon the results of the well gauging and groundwater contour maps, groundwater beneath the site flows toward the west-northwest. Based on United States Geological Survey (USGS) groundwater elevation maps, the site specific groundwater flow direction is consistent with the regional groundwater flow direction. Groundwater contours are provided as **Figure 5**. Based upon the groundwater flow direction, LNAPL contours were developed as illustrated on **Figure 5**.

3.6 Groundwater Quality

To further characterize groundwater quality beneath the site, specifically down-gradient of USTs, pits, concrete vault, former chemical storage and production area, and LNAPL Plume, groundwater samples were collected from three temporary groundwater sampling points (SB020(GW), SB021(GW) & SB022(GW)), groundwater monitoring wells MW004 and MW005 and observation well OB003. Groundwater sampling locations are identified in **Figure 5**.

3.6.1 Sampling Protocol

Following the completion of the soil borings at SB020 through SB022, LVS installed a temporary one-inch diameter PVC monitoring well in each borehole, screened from five to fifteen feet. Groundwater was encountered at approximately 10 feet below grade. Disposable polyethylene tubing was inserted into the water bearing zone of the temporary well. The end of the tubing was connected to a peristaltic pump with dedicated silicone tubing. Four casing volumes of water were purged from the temporary well prior to the collection of samples.

In accordance with the RIWP, samples were collected from MW004 and OB003 utilizing low-flow purging and sampling procedures outlined in the USEPA Standard Operating Procedures (SOP) No. 2007. Since LNAPL was present in MW005, a groundwater sample was collected below the LNAPL with a check valve and tubing in an effort to limit the amount of LNAPL in the sample. During purging, the groundwater parameters pH, temperature, turbidity, conductivity, and oxygen reduction potential (ORP) were monitored utilizing a Horiba U52-2 water quality meter with flow through cell. Copies of the groundwater sampling data sheets containing the field parameters recorded and purge volumes for each sampling point are included in **Appendix H**.

Samples were collected in pre-cleaned laboratory supplied glassware and stored in a cooler on ice for transport to AAL for analysis. Groundwater samples were analyzed for the following:

- TCL/PP Volatile Organic Compounds by USEPA Method 8260
- TCL/PP Semi-Volatile Organic Compounds by USEPA Method 8270
- TCL Organochlorine Pesticides & PCBs by USEPA Methods 8081/8082

- TAL Metals by USEPA Methods 6010/7471 (Total and Dissolved)

The sample collected from MW005 was analyzed for SVOCs and metals only at the request of the NYSDEC.

3.6.2 *Groundwater Analytical Results*

Groundwater analytical results were compared to the NYSDEC Ambient Water Quality Standards (AWQS) for Class GA groundwater, as specified in Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values on Groundwater Effluent Limitations, June 1998 and its addendum dated April 2000.

One VOC (benzene) was detected above laboratory method detection limits in OB003 which is located in close proximity to the LNAPL plume. Additional gasoline constituents were detected at levels below AWQS in OB003. In addition acetone in SB021(GW) and SB022(GW) and trichloroethene in SB022(GW) were detected above method detection limits but below AWQS.

SVOCs were detected above NYSDEC AWQS in three of the six groundwater samples. The compounds detected are similar to those identified during previous investigations and correlate to the compounds identified in the soil at the site. The detections were higher in the sample collected from MW005, which is likely attributed to small amounts of LNAPL within the sample glassware.

Metals were detected above NYSDEC AWQS in each of the six groundwater samples. Metal concentrations were detected in both the total and dissolved metals analysis. In general, metal concentrations were reduced in the dissolved analysis. However, several dissolved metals were still detected at concentrations above AWQS including antimony, iron, lead, manganese, mercury, and sodium. Lead and mercury were limited to one sample (SB022). The metals detected are consistent with that observed throughout the site and correlate to what has been observed in the soil.

Pesticides/PCBs were not detected above method detection limits in the groundwater samples.

Analytical results are detailed in **Tables 9** through **12** and complete laboratory analytical report is included in **Appendix B**. **Figure 5** details compounds detected above NYSDEC AWQS.

3.7 **Soil Vapor Sampling**

To further characterize whether soil vapor intrusion may be a potential concern for the proposed redevelopment of the property and adjacent off site properties, four additional soil vapor sampling points (SV004 through SV007) were installed at the subject property. Soil vapor sampling points are illustrated on **Figure 6**.

3.7.1 *Sampling Protocol*

Sampling was conducted in accordance with the New York State Department of Health (NYSDOH) "Guidance for Evaluating Soil Vapor Intrusion in New York State," (NYSDOH Guidance) October 2006. Sub-slab samples were collected into 1.0-liter Summa® vacuum canisters fitted with 2-hour flow controllers. The samplers were batch certified clean by the laboratory (AAL). Proper QA/QC protocol was followed during the collection of soil gas

samples to ensure that cross-contamination in the field did not occur. Canister sampling data sheets are included as **Appendix I**. The samples were submitted for analysis of volatile organic compounds (VOCs) by USEPA Method TO-15.

Temporary soil vapor probes were installed through the floor slab or asphalt parking lot in accordance with procedures specified in the NYSDOH Guidance. Prior to and after sampling the integrity of the sampling port seals was tested using tracer gas analysis. The environment surrounding the seal was enriched with the tracer gas, helium, as readings were collected through the sampling probe with a Radiodetection Dielectric MGD-2002 portable helium detector. Tracer gas readings collected from each soil vapor probe were acceptable indicating the seals were intact and the sampling probes were acceptable for sample collection.

After the initial tracer gas test was performed, one to three volumes of the sample tubing was purged prior to collecting samples. Flow rates for both purging and collecting did not exceed 0.2 liters per minute to minimize potential indoor air infiltration during sampling.

3.7.2 Analytical Results

The laboratory analytical results were compared to the Air Guideline Values (AGVs) specified in NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006) and a NYSDOH memo to the NYSDEC dated June 25, 2007 "Re: Soil Vapor / Indoor Air Matrices." The NYSDOH memo does not include specific AGVs for the additional compounds added; however, these additional compounds have been assigned to one of the Soil Vapor / Indoor Air Matrices listed on the NYSDOH Guidance document. Based upon their assignment to their respective matrices, a "guidance value" was chosen based upon the minimum sub-slab vapor concentration that recommended the possibility of mitigating soil vapor issues. In the absence of NYSDOH AGV, the Target Shallow Gas Concentration (TSGC) specified in USEPA OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance) November 2002: Table 2c Target Shallow Soil Gas Concentration – Corresponding to Target Indoor Air Concentration Where the Soil Gas to Indoor Air Attenuation Factor = 0.1 was evaluated. Analytical results for the soil vapor samples are shown on **Table 13**. The laboratory data report is included in **Appendix B**.

Elevated concentrations of several VOCs above the USEPA Target Shallow Gas Concentrations were observed in three of the four soil vapor samples including 1,2,4-trimethylbenzene, 1,3-butadiene, benzene, and/or trichloroethene. In addition, the detection of trichloroethene in the sub-slab vapor at a concentration of 143 µg/m³ would trigger action in relation to the NYSDOH decision matrix. The action required could either be monitor, monitor/mitigate, or mitigate, which may include the following:

- Monitor: Monitoring, including sub-slab vapor, basement air, lowest occupied living space air, and outdoor air, is needed to determine whether concentrations in the indoor air or sub-slab vapor have changed.
- Mitigate: Mitigation is needed to minimize current or potential exposures associated with soil vapor intrusion.
- Monitor/Mitigate: Monitoring or mitigation may be recommended after considering the

magnitude of sub-slab vapor and indoor air concentrations along with building – and site – specific conditions.

3.8 Data Usability Summary

Analytical data packages obtained from Alpha for samples collected during the RI were sent to Stone Environmental, Inc. (SEI) of Montpelier, VT to undergo a systematic data validation to provide assurance that the data was adequate for its intended use. In addition, the data collected during the Supplemental Phase II ESA was also reviewed. All data were deemed acceptable by the data validator, incorporating data qualifiers as appropriate with the exceptions of the rejected data points found in samples SB018(0-2'), SB021(0-2'), FD015, OB003, SB017(0-2'), SV004, and SV005. Rejected compounds were due to laboratory control issues relating to low recoveries from re-extraction analysis, inadequate recoveries of spiked compounds, detections above calibration range of instruments, and non-target interferences.

SEI narratives and the full data validation reports are provided in **Appendix J. Tables 1 - 13** were updated, as appropriate, based upon the data validator's review.

3.9 Summary of Remedial Investigation

The RI was performed to evaluate potential areas of concern at the subject site including USTs, pits, areas of the site utilized by the chemical company, and an unknown gasoline plume.

At least eight suspected USTs were identified at the subject site. Soil and groundwater sampling around the anomalies did not identify petroleum release conditions with the exception of the suspected UST in the southwest portion of the site where LNAPL is present.

Multiple pits and a concrete vault were identified at the subject site. Soil/Sediment collected within the structures was found to contain elevated concentration of contaminants likely attributed to historical site operations. Soil sediment was removed, and the structures were found to be in good condition with solid bottoms with the exception of two pits. Soil samples from below the pits showed similar characteristics of the shallow soil throughout the site. Based upon the evaluation of the structures, they do not appear to be a source of contamination at the site.

Soil sampling performed throughout the site identified the presence of fill material throughout the entire property which was uniform in nature. Analytical results were also fairly uniform across the site with the exception of two significantly elevated areas, one large area in the center of the property in the approximate area of the former chemical work area and one small area in the northwest parking lot. At these locations the contaminant concentrations were fairly minor in the shallow and deep intervals and significantly higher in the intermediate intervals. It appears that the site contains impacted fill material with isolated areas of fill material that is significantly worse than the rest of the site. It does not appear that contaminants are related to site operations.

Multiple wells were installed to delineate the extent of LNAPL at the site and a geophysical survey was performed

in the area to determine if a UST is present in the area. The geophysical survey did not identify any anomalies in the area. However, one UST was identified in the area during removal of the former building foundation. LNAPL was observed in several of the additional wells installed at the site. However, LNAPL was not identified in the observation well installed in the hydraulically up-gradient direction. LNAPL was thickest at the MW005 location. It appears that LNAPL originates onsite and most likely originates from the UST in the area.

A cross-sectional plan detailing contaminants of concern, water table elevations, and LNAPL levels is illustrated in **Figure 7**.

4.0 HYDROGEOLOGIC ASSESSMENT AND PHYSICAL SETTING

The following section describes site topography, surrounding property use and regional and site geology/hydrogeology.

4.1 Site Topography

The site is located approximately 15 feet above mean sea level. The topography of the site and general area is relatively flat with a slight downward slope to the northwest. The entire site is covered with the former building slab and asphalt paved parking lots. There are currently no exposed surface soils at the site.

No erosion of surface areas was noted. Precipitation discharges into the municipal sewer/storm water system with no evidence of overland flow away from the site towards surface-water bodies.

The nearest surface-water body is the Wallabout Channel located approximately ½ mile to the northwest (see **Figure 1**). Based upon site topography, overland flow to this surface-water body is unlikely.

4.2 Surrounding Land Use

The property is bordered on the north by Wallabout Street and residential property, on the east by a hotel and school, on the west by Kent Avenue and residential and commercial properties, and on the south by Flushing Avenue and a vacant lot and commercial property. The residential areas have municipal water service.

4.3 Regional Geology / Hydrogeology

The subject property is located over the Long Island aquifer system, which underlies all of Nassau, Suffolk, Kings (Brooklyn), and Queens Counties. The unconsolidated aquifer formations form a southward-dipping wedge that attains a maximum thickness in Kings County of approximately eight-hundred (800) feet in southeast area of Brooklyn. Overlying bedrock in the area is the Lloyd, Magothy, Jameco, and Upper Glacial aquifer systems. The Upper Glacial aquifer overlies all underlying units and is found at the surface in nearly all of Kings and Queens Counties.

The site overlies an interconnected aquifer system consisting of the upper glacial deposits and the underlying Magothy Formation. Depth to groundwater in the underlying glacial aquifer is approximately 12 feet below land surface (bls). The lithologic description of the sediments from soil borings installed during previous investigations at the site identifies the materials as fill material to approximately eight feet below grade underlain by layers of fine to medium silty sands and silt.

Regional groundwater flow direction is east-southeast to west-northwest. Municipal water supply is provided by the NYC Department of Environmental Protection.

5.0 NATURE AND EXTENT OF CONTAMINATION

The following section describes the investigation techniques used to determine the nature and extent of contamination identified at the subject property.

5.1 Identification of Potential Source Areas

Potential source areas investigated included

- USTs and geophysical anomalies
- The pits and large concrete vault
- Historic Fill
- Former chemical lab and work areas
- LNAPL Plume

Sampling conducted at the site identified VOCs, SVOCs, metals, pesticides, and/or PCBs in several of the soil/sediment samples collected from the drains/sumps and pit located within the building, VOCs, SVOCs, metals, and/or pesticides in the subsurface soils across the site, VOCs, SVOCs, and/or metals in the groundwater, and VOCs in the soil vapor.

5.2 Extent of Contamination in Pits and Concrete Vault

Analytical results from the drains/sumps and pit identified the following:

- One VOC, acetone, was detected above NYSDEC UUSCOs in FD002. Acetone is a common laboratory contaminant. No other VOCs were detected above NYSDEC UUSCOs.
- Several SVOCs were detected above UUSCOs in each of the five samples including acenaphthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, dibenzofuran, fluorine, ideno(1,2,3-cd)pyrene, naphthalene, phenanthrene, and/or pyrene. Concentrations were significantly higher in three of the five samples (FD002, FD005, and FD007).
- Metals were detected above UUSCOs in each of the five samples including arsenic, barium, cadmium, chromium, copper, lead, manganese, mercury, nickel, silver and zinc. Concentrations were highest in FD002. No metals were reported above detection limits in the TCLP analysis.
- Pesticides, 4,4'-DDE and/or 4,4'-DDT, were detected in two of the five samples above UUSCOs but below RRSCOs (FD005 and FD007).
- The PCB, Aroclor 1260, was detected in two of the five samples above UUSCOs but below RRSCOs (FD007 and FD009).

Impacted soil/sediment and liquid were removed during the RI so that the integrity of the structures could be evaluated. Each structure was found to be intact with the exception of FD005 and FD016. Soil samples collected from beneath FD005 and FD006, as discussed in Section 5.3, were consistent to that seen in the shallow soil samples across the site. The pits and concrete vault do not appear to be a source of contamination at the site.

5.3 Extent of Contamination in Soil

The following was utilized for the evaluation of contamination in soil:

1. Subsurface soil samples were collected from the two foot interval below refusal depth (4-6 feet) or the water table (9-11 feet) during the Phase II Investigation (December 2006). Subsurface soil samples were analyzed for the presence of VOCs and SVOCs.
2. Subsurface soil samples were collected from varying depths and at least one interval from each boring during the Supplemental Phase II Investigation (December 2012). Subsurface soil samples were analyzed for the presence of VOCs, SVOCs, pesticides, PCBs, and metals.
3. Subsurface soil samples were collected at three depths during the RI Investigation; 0-2 feet bgs, 6-8 feet bgs, and 10-12 feet bgs and from beneath two pits found to have contact with the subsurface. Subsurface soil samples were analyzed for the presence of VOCs, SVOCs, pesticides, PCBs, and metals.

Analytical results identified the presence of:

- Several VOCs were detected above UUSCOs including acetone in FD005, SB-1, SB-2, SB-3, SB-4, SB-6, SB-8, SB019, SB022, and SB023, benzene in SB022, p/m-xylene in SB021 and SB022, and trichloroethene in SB022. Contamination was limited to the shallow intervals (0-2 feet and 6-8 feet).
- Several SVOCs were detected above UUSCOs in several soil borings including acenaphthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, dibenzofuran, fluorine, ideno(a,2,3-cd)pyrene, naphthalene, phenanthrene, and/or pyrene. SVOCs were significantly higher in the 4-6 foot interval from SB-8, the 6-8 foot interval from SB013, SB018, and SB021 when compared to the rest of the samples.
- Several metals were detected above UUSCOs in several of the borings including arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel and zinc. In general, concentrations were highest in the shallow soil intervals and decreased in the deeper intervals.
- Pesticides, Alpha-BHC, 4,4'-DDD and/or 4,4'-DDT, were detected in above UUSCOs in several of the samples. The detections were limited to the shallow soil intervals and were not detected in the deepest soil interval (10-12 feet).

The presence of SVOCs, pesticides, and metals is likely attributed to fill material at the site. The highest concentrations were observed between four and eight feet below grade. Spread or migration of contaminants is likely a result of physical processes and should be limited to the soils immediately beneath the site and localized groundwater.

5.4 Extent of Contamination in Groundwater

The following was utilized for the evaluation of contamination in groundwater:

1. Three groundwater samples were collected from temporary groundwater sampling points during the Phase II Investigation (December 2006). Groundwater samples were analyzed for the presence of VOCs and SVOCs.

2. The December 2012 Supplemental Phase II Investigation included the installation of three groundwater monitoring wells. Groundwater samples were collected from two of the three groundwater monitoring wells and two temporary groundwater sampling points. LNAPL was characterized from one groundwater monitoring well. Groundwater samples were analyzed for the presence of VOCs, SVOCs, pesticides, PCBs, and metals.
3. The RI included the installation of three temporary groundwater sampling points, two groundwater monitoring wells and four observation wells. Groundwater samples were collected from the three temporary groundwater sampling points, two groundwater monitoring wells, and one of the observation wells. Groundwater samples were analyzed for the presence of VOCs, SVOCs, pesticides, PCBs, and metals.

Groundwater flow at the site was determined to be to the west-northwest. LNAPL was detected in the southwestern portion of the site. A UST was identified in the southwest portion of the property which is believed to be the source of LNAPL at the site.

Groundwater analytical results identified the presence of:

- Several VOCs were detected above AWQS. Acetone was detected above AWQS in GW-2, naphthalene was detected above AWQS in GW013, and benzene was detected above AWQS in OB003. Acetone is a common laboratory contaminant. No other VOCs were detected above AWQS.
- Several SVOCs were detected above AWQS in multiple groundwater samples (GW-1, GW-2, GW-3, GW011, GW013, MW001, MW005, SB020(GW) and SB021(GW)) including acenaphthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, ideno(1,2,3-cd)pyrene, fluorine, naphthalene, phenanthrene, and pyrene. The detections were relatively low and are not indicative of a release condition with the exception of MW005 which contained LNAPL.
- Several metals were detected above AWQS in each of the dissolved groundwater samples including antimony, iron, lead, manganese, mercury, and sodium. Lead and mercury were limited to one sample (SB022). The other metals detected are relatively common in groundwater and are likely naturally occurring due to the composition of soils in the aquifer. .

The presence of VOCs in groundwater at the site is likely related to the gasoline LNAPL plume; SVOC and metals impact is likely related to the presence of historic urban fill material beneath the site. The spread or migration of contaminants is likely to be localized and dependent on groundwater flow direction and velocity.

5.5 Extent of Contamination in Soil Gas

The following was utilized for the evaluation of contamination in soil gas:

1. Three soil gas samples were collected as part of the December 2012 Supplemental Phase II Investigation.
2. Four soil gas samples were collected as part of the RI.

VOCs were detected in each of the soil gas points at concentrations above laboratory method detection limits. Several of the detected compounds are common constituents in gasoline (1,2,4-trimethylbenzene, benzene,

ethylbenzene, toluene, m+p-xylene, and O-xylene). These detections are most likely attributed to the gasoline LNAPL plume documented at the site. In addition, trichloroethene (TCE) was identified in one soil vapor sample (SV004), located in the southwest portion of the former building. The TCE detected in SV004 is most likely attributed to the low levels of TCE identified in soil and groundwater at the nearby SB022 sampling location.

6.0 CONCEPTUAL TRANSPORT MODEL

Based upon the findings of previous investigations and this RI, a conceptual model detailing the transport of contaminants has been developed. Soils beneath the property appear to contain impacted urban fill material. Impact is primarily contained within the first eight feet of soil beneath the site with concentrations of SVOCs and metals above UUSCOs in samples collected at the water table. Groundwater with levels of SVOCs and metals above AWQS may be present as a result of migration of contaminants from site soils or from migration of contaminated groundwater on-site from off-site sources.

In addition, LNAPL has been observed in monitoring wells at the southwestern portion of the site. The up-gradient observation well (OB003) did not contain LNAPL. The groundwater flow direction in this area has been measured to be to the west-northwester direction towards the East River.

6.1 Surface Water

There is no surface water on-site and the nearest body of surface water is the Wallabout Channel which branches off the East River located approximately 0.5 miles northwest of the site. Based upon the distance to this surface water body, and the lack of significant contaminants detected in the groundwater at location MW001 to the northwest of the site, it is unlikely that environmental impact observed on the site would affect this surface water body.

6.2 Fish and Wildlife Resources

A Fish and Wildlife Resources Impact Analysis is not required for this site as there are no known or potential adverse impacts to fish and wildlife resources, the site is a point source of contamination and there are no ecological resources present or the habitat of endangered, threatened, or special concern species. The subject site is located in an urban area within Brooklyn; therefore, there are no known or potential adverse impacts to fish and wildlife resources. In addition, there are no known environmental resources, such as mining or recreational uses, on the site or in the vicinity of the site.

7.0 QUALITATIVE HUMAN EXPOSURE ASSESSMENT

The overall purpose of the Qualitative Human Exposure Assessment is to evaluate and document how people might be exposed to site related contaminants and to identify and characterize the potentially exposed population(s) now and under reasonably anticipated future use of the site. To evaluate if an exposure pathway exists, the exposure assessment should assess the quality, representativeness, and adequacy of the available data. In addition, the qualitative exposure assessment should consider the nature of populations currently exposed or that has the potential to be exposed to site related contaminants both on-site and off-site and describe the reasonably anticipated future land use of the site and affected off-site areas.

7.1 Contaminant Source

The subject site is located at 74 Wallabout Street in Brooklyn, New York and is currently a 0.91 acre vacant lot with the former building slab intact enclosed with construction fence. The site was formerly improved with a 44,700 square foot, two to three-story warehouses which were demolished between July and August 2013, an accessory at-grade parking and loading area at the northwest corner of the lot, and a smaller fenced-in parking area at the southwest corner of the lot. The site has been historically utilized by a chemical company (Arkansas Chemical Co., Inc.), a paint and varnish manufacturing company, a rope manufacturing company, a plastic processing company, a cleaner industries company, a soap company, a wood working company, a lumber company, a shelving company, and a housewares and household chemicals distributing company (Lee Distributors).

Investigations at the subject site have identified the presence of LNAPL in the southwestern portion of the property, levels of SVOCs and metals exceeding UUSCOs throughout the site, and low levels of VOCs and pesticides in isolated sampling locations.

The source of LNAPL is likely related to UST identified in the southwest portion of the property.

Elevated levels of SVOCs and metals and minor detections of VOCs and pesticides within the subsurface are likely related to the presence of urban fill material beneath the subject site. The highest concentrations were observed in samples collected from four to eight feet bgs.

7.2 Contaminant Release and Transport

LNAPL is present at the soil/water table interface in the southwestern portion of the property. LNAPL as pure product was likely released from the UST and infiltrated the subsurface soils and groundwater beneath the southwestern portion of the property.

Elevated levels of SVOCs and metals and minor detections of VOCs and pesticides are present in subsurface soils at the site. The highest concentrations were observed in the center of the property and in the northwestern corner of the property. SVOCs and metals are likely related to the urban fill material observed beneath the site as potential source areas were ruled out.

The proximity of the subject site to the East River, which is approximately one half mile to the northwest, means

that there is potential for groundwater from underneath the site to discharge to these waters. LNAPL has been observed to be contained to the southwestern portion of the property. Significant groundwater impact has not been observed leaving the site. Therefore impact into the East river is unlikely.

SVOCs and metals detected within subsurface soils are also present in groundwater at the site. The concentrations in the groundwater are relatively minor and appear to be contained to the site.

Elevated concentrations of several VOCs were detected at concentrations greater than NYSDOH AGVs and/or USEPA TSGCs in on-site soil vapor samples collected. Since contamination appears to be contained to the site as observed in the groundwater samples and LNAPL likely does not extent to the neighboring properties, off-site soil vapor impact is unlikely.

7.3 Points and Routes of Exposure

The VOCs, SVOCs, metals, and pesticides detected at the site can have adverse effects on human health and can be absorbed after ingestion, inhalation, or dermal exposure. Acute exposure symptoms may include headache, dizziness, unconsciousness, abdominal pain, nausea, diarrhea, and skin and eye irritation among other effects. Chronic exposure may cause harm to the central nervous system, liver, kidneys, and dermatitis among other effects. Many of the compounds are known or probable human carcinogens.

The possible on-site soil exposure pathways are by ingestion, inhalation, or dermal exposure by a person on the site (trespasser or construction worker). Ingestion, inhalation, and dermal exposure of workers at the site during construction would not likely be extensive given the intermittent nature of exposure. Off-site exposure scenarios include inhalation of particulates during construction. These exposures would likely not be extensive given the intermittent nature and duration of the site construction activities. There are no plausible off-site ingestion or dermal exposure pathways.

Once development is completed the entire site would be covered by either a concrete surface or two feet of clean fill material. On-site ingestion and dermal contact would therefore not be a plausible exposure pathway once construction is completed. A route of exposure through inhalation of soil vapor will be minimized by removing the most impacted soils and LNAPL during redevelopment. In addition, a waterproofing membrane will be installed as part of the construction of the building and will also satisfy the requirements of a vapor barrier to further reduce the potential for inhalation exposure from remaining levels of VOCs at the site.

There is a limited off-site pathway for ingestion or inhalation exposure since the constituents of concern have the potential to migrate off-site with the natural movement of groundwater. However, sampling indicates that groundwater and soil vapor impact is primarily limited to the Site. The groundwater pathway is not a complete route of exposure because the site is within the boundary of New York City which is supplied with potable water by surface reservoirs that are located outside of the New York City area. Thus there are no public drinking water wells in the vicinity of the site that would complete the route of exposure.

7.4 Characterization of Potential Receptor Populations

The subject site is located at 74 Wallabout Street in Brooklyn, New York and is currently a 0.91 acre vacant lot with the former building slab intact enclosed with construction fence. The property is bordered on the north by Wallabout Street and residential property, on the east by a hotel and school, on the west by Kent Avenue and residential and commercial properties, and on the south by Flushing Avenue and a vacant lot and commercial property. The neighboring properties also consist of densely populated residential and commercial properties.

Because of the relatively small size of the Site and the observed levels of on-site impact in soil, groundwater and soil vapor, future onsite populations are potential receptors if appropriate ICs/ECs are not properly implemented. Off-site contamination has not been documented.

7.5 Qualitative Human Health Exposure Assessment Summary Table

The following table provides a summary of the routes of exposure.

Environmental Media & Exposure Route	Human Assessment
Direct contact with surface soils	- Public access is restricted by fencing. - The majority of source area soils will be removed during redevelopment. - Construction workers can come into contact when development begins. - Future contact will be prevented by engineering controls such as a composite cap system.
Direct contact with subsurface soils	Workers can come into contact if they complete ground intrusive work at the site.
Direct contact with groundwater	Workers can come into contact if they complete ground intrusive work at the site.
Ingestion of groundwater	- Groundwater is not utilized for drinking water. New York City public drinking water is supplied from reservoirs outside of the New York City area. - There are no known domestic water supply wells in the area.
Inhalation of air	- The majority of source area soils and LNAPL will be removed during redevelopment. - Workers can come into contact if they complete ground intrusive work at the site. - An engineering control (i.e. composite cap system) will be installed on site as part of the final remedy to mitigate the potential for vapor entering the building.

Direct contact with surface waters	• Groundwater discharges to surface waters to the west-northwest are not anticipated based upon onsite groundwater concentrations and the distance to the water body.

8.0 CONCLUSIONS AND RECOMMENDATIONS

8.1 Remedial Investigation

PWGC prepared an RI Work Plan dated June 2013 and an Addendum to the RI Work Plan dated July 1, 2013, which was approved by the NYSDEC. The purpose of the RI was to further delineate soil, groundwater, and soil vapor impact within the site boundary and to determine what, if any, impact may have migrated off-site. To perform this work, the following tasks were completed:

- Two new groundwater monitoring wells, four observation wells and three temporary groundwater sampling points were installed at the site. The newly install groundwater monitoring wells were developed within 48 hours of installation. The newly installed monitoring wells and observation wells were monitored along with the existing groundwater monitoring wells at the subject site. LNAPL was identified in two groundwater monitoring wells (MW002 and MW005) and three observation wells (OB001, OB002, and OB004). Groundwater samples were collected from groundwater monitoring wells and observation wells not containing LNAPL with the exception of MW005 and the three temporary groundwater sampling points. Analytical results identified minor petroleum impacts in the vicinity of the LNAPL plume, and SVOC and metals impacts across the site. Impacts were relatively minor with the exception of metals at the SB022 location which contained elevated levels of lead and mercury within the dissolved groundwater sample. Impacts were primarily contained to the site.
- Seven soil borings were conducted throughout the site to a depth of 12 to 14 feet bgs, soil samples were collected, characterized, and analyzed. Analytical results indicated that soils across the entire site contained elevated concentrations of VOCs, SVOCs, pesticides, and metals to a depth of ten feet below grade. Only metals were elevated at a depth greater than eight feet. The concentrations were fairly uniform with the exception of significantly higher SVOCs and metals in the center of the property and in the northwest corner of the property.
- Four soil vapor points were installed on-site, sampled, and analyzed. Elevated concentrations of VOCs were observed in each of the four onsite soil vapor locations.

As a result of the analytical results of the previous environmental investigations and PWGC's remedial investigation, the greatest areas of concern was determined to be the southwestern portion of the property where LNAPL has been observed, and soils within the first eight feet across the entire site.

Based upon a review of the field observations and measurements and of the analytical data generated as part of the RI, the following conditions currently exist at the site:

- The static water table elevation at the site is between 5 feet in the northwest portion of the property where the elevation of the site is significantly lower to 9 feet bgs,
- Groundwater beneath the site flows toward the west-northwest,

- An LNAPL plume is present in the southwestern portion of the property. The LNAPL has been identified as gasoline in nature. The LNAPL is thickest at the MW005 location (4.95 feet). The source of LNAPL is likely related to the UST in the southwest portion of the property.
- Soil across the site contains VOCs, SVOCs, pesticides, and/or metals above UUSCOs. Two hot spot areas were identified in the center of the property and the northwest corner which contained significantly higher concentrations of SVOCs and metals. Contaminants are likely inherent in the fill material beneath the subject property. Soil contamination generally decreased with depth and only SVOCs and metals were detected above UUSCOs in the soils below ten feet bgs.
- Groundwater at the site has minor detections of VOCs, SVOCs, and/or dissolved metals above AWQS. The compounds detected were also detected in the soils beneath the site and are likely migrating from the soil into the groundwater. There does not appear to be significant groundwater impact migrating off the site with the exception of the LNAPL plume in the southwest portion of the property.
- The fate and transport of contaminants identified is a function of the properties of the individual contaminants, the geology and hydrogeology of the site, and available pathways for the contaminants to migrate. The following factors were considered when determining the fate and transport of the contaminants identified on-site: the relatively small size of the Site, the concentrations and locations of soil, groundwater, and soil vapor impact within the Site, and the measured groundwater flow direction towards the northwest. Based upon these factors, the LNAPL plume has likely migrated beneath Kent Avenue and there is potential for off-site soil vapor impact from the LNAPL plume.
- The possible on-site exposure pathways are by ingestion, inhalation, or dermal exposure to workers during construction activities or to site trespassers. Off-site exposure scenarios include inhalation of particulates during construction. These exposures would likely not be extensive given the intermittent nature and duration of the site construction activities. There is no plausible off-site ingestion or dermal exposure pathway. Vapor migration into the on-site buildings and vapor exposure to future residences is a possible exposure pathway; however, sampling indicates that groundwater and soil vapor impact is primarily limited to the Site.
- Because of the relatively small size of the Site and the observed levels of onsite impact in soil, groundwater and soil vapor, future onsite populations are potential receptors if appropriate ICs/ECs are not properly implemented.

9.0 REFERENCES

- MEI, October 2006, Phase I Environmental Site Assessment – 74 Wallabout Street Brooklyn, New York.
- PWGC, January 18, 2007, Phase II Environmental Site Assessment – 74 Wallabout Street Brooklyn, New York.
- PWGC, January 2013, Supplemental Phase II Environmental Site Assessment – 74 Wallabout Street Brooklyn, New York.
- PWGC, June 2013, Final Remedial Investigation Work Plan – 74 Wallabout Street Brooklyn, New York.
- PWGC, July 1, 2013, Addendum to the Remedial Investigation Work Plan – 74 Wallabout Street Brooklyn, New York.
- NYSDEC, Division of Environmental Restoration, 6 NYCRR Part 375 Subpart 6, Remedial Program Soil Cleanup Objectives.
- NYSDEC, Division of Environmental Remediation, May 2012, DER-10, Technical Guidance for Site Investigation and Remediation.
- NYSDEC, Division of Water, June 1998, Addendum April 2000, Technical and Operational Guidance Series 1:1:1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.
- NYSDOH, October 2006, Guidance for Evaluating Soil Vapor Intrusion in the State of New York.
- NYSDOH, June 25, 2007, Memo to NYSDEC “Re: Soil Vapor / Indoor Air Matrices.”

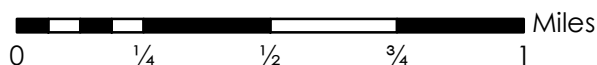
Figures



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SUBJECT SITE VICINITY

74 WALLABOUT STREET
BROOKLYN, NEW YORK



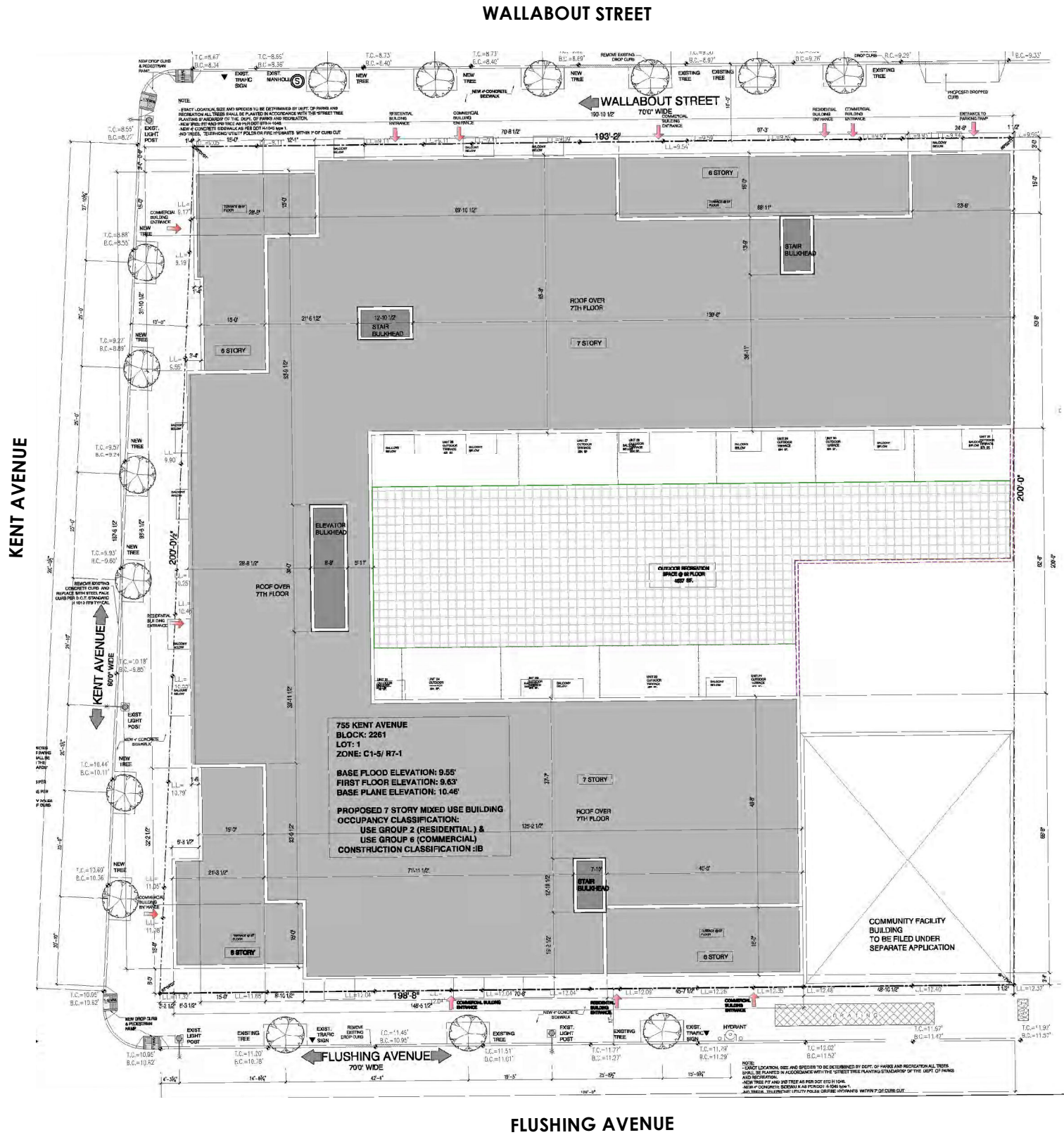
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Drawn by:	JMC
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Figure No:	1



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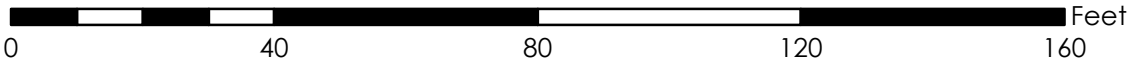
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SITE PLAN WITH PROPOSED DEVELOPMENT

74 WALLABOUT STREET
BROOKLYN, NEW YORK



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2

SHEET:



WALLABOUT STREET

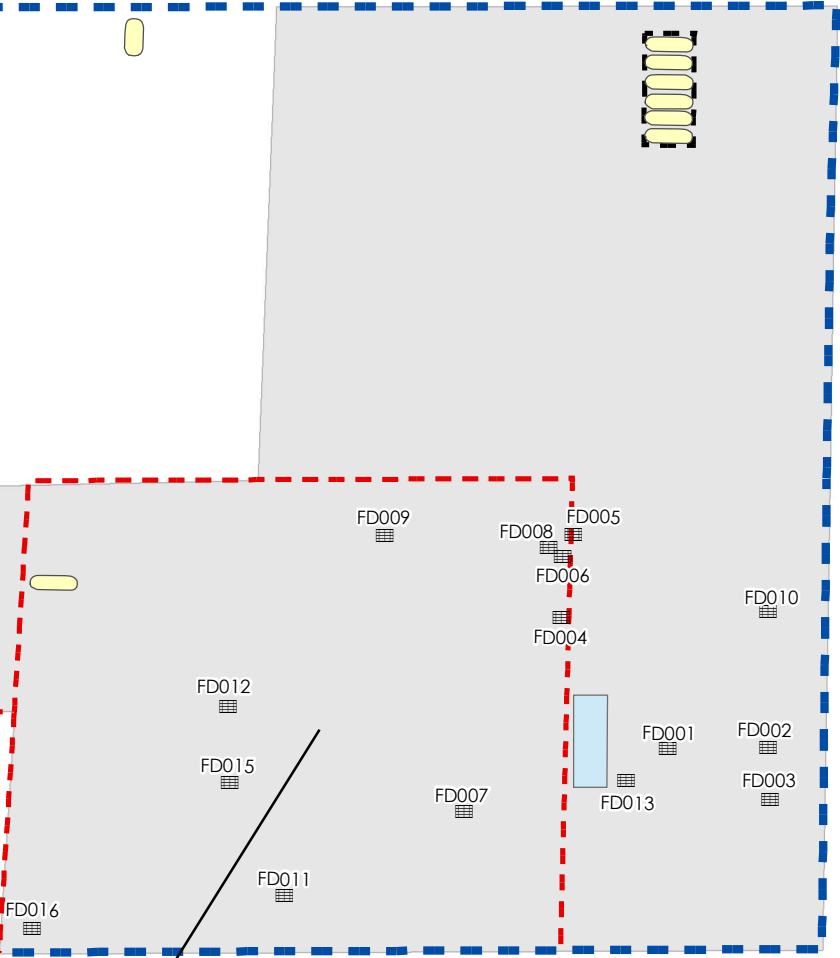
KENT AVENUE

FRANKLIN AVENUE

FLUSHING AVENUE

FORMER CHEMICAL LAB AREA

FORMER CHEMICAL WORK AREA



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- Pits
- Curblines
- Former Chemical Work/Lab Area
- Sub-Surface Vault
- Underground Storage Tanks
- Former Building
- Approximate UST Location
- Lot 1 Proposed Development Site

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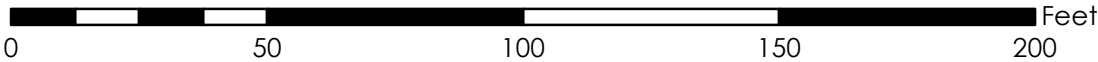
FIGURE NO:

3

SHEET:

SITE PLAN - GEOPHYSICAL ANOMALIES

74 WALLABOUT STREET
BROOKLYN, NEW YORK





SB013	
Depth	0-2'
SVOCs(mg/kg)	
Benzo(a)anthracene	3.4
Benzo(b)flouranthene	4.1
Chrysene	3.6
Total Metals(mg/kg)	
Arsenic	14
Cadmium	4.4
Copper	52
Lead	200
Mercury	1.2
Zinc	4,000

SB019	
Depth	0-2'
VOCs(mg/kg)	
Acetone	0.12 J
Total Metals(mg/kg)	
Copper	55 J
Lead	530
Mercury	3.8 J
Zinc	160

SB022	
Depth	0-2'
VOCs(mg/kg)	
Benzene	0.067 J
Trichloroethene	2.1
SVOCs(mg/kg)	
Benzo(a)anthracene	1.6
Benzo(b)flouranthene	2.1
Chrysene	2.1
Total Metals(mg/kg)	
Chromium	3.8
Lead	140
Mercury	2.8 J
Zinc	440

SB021	
Depth	0-2'
SVOCs(mg/kg)	
Benzo(a)anthracene	4.3
Benzo(b)flouranthene	4.9
Benzo(k)flouranthene	5.5
Chrysene	5
Total Metals(mg/kg)	
Magnesium	240
Mercury	2.8 J

SB020	
Depth	0-2'
Total Metals(mg/kg)	
Arsenic	18
Barium	430
Chromium	57 J
Copper	200 J
Lead	420
Mercury	2.8 J
Zinc	650

SB017	
Depth	0-2'
VOCs(mg/kg)	
Acetone	0.12 J
SVOCs(mg/kg)	
Chrysene	1
Total Metals(mg/kg)	
Copper	51 J
Lead	340
Mercury	1.41 J
Zinc	200
Pesticides(mg/kg)	
4-4'-DDE	0.00758 J

SB018	
Depth	0-2'
SVOCs(mg/kg)	
Benzo(a)anthracene	2.3
Benzo(b)flouranthene	2.2
Chrysene	2.6
Total Metals(mg/kg)	
Chromium	490 J
Copper	54 J
Lead	170
Mercury	3.4 J
Zinc	250
Pesticides(mg/kg)	
4-4'-DDE	0.00479 J

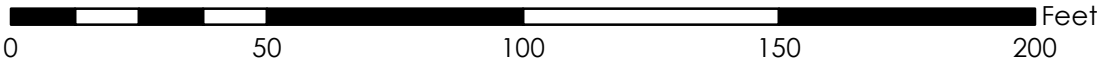
SB010	
Depth	0-2'
Total Metals(mg/kg)	
Copper	63
Lead	140
Mercury	5.4
Zinc	2,800

FORMER CHEMICAL LAB AREA

FORMER CHEMICAL WORK AREA

SITE PLAN - SHALLOW SOIL SAMPLING LOCATIONS

74 WALLABOUT STREET
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WALLABOUT STREET

FRANKLIN AVENUE

FLUSHING AVENUE



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- 2013 Soil Boring Locations
- Former Chemical Work/Lab Area
- Sub-Surface Vault
- Underground Storage Tanks
- Approximate UST Location
- Lot 1 Proposed Development Site
- Former Building
- Curline

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FIGURE NO:

4-A

SHEET:

Note:
Analytes (VOCs, Metals, and Pesticides)
shown exceed NYSDEC Unrestricted Use SCO.
Analytes (SVOCs) shown exceed
NYSDEC Protection of Groundwater SCO.
J-The analyte was positively identified:
the associated numerical value is the
approximate concentration if the analyte
in the sample.

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SB-1	
Depth	4-6'
VOCs (mg/kg)	
Acetone	0.058

SB016	
Depth	6-8'
SVOCs (mg/kg)	
2-Methylnapthalene	38
Total Metals (mg/kg)	
Copper	61
Lead	530
Mercury	0.54
Zinc	230
Pesticides (mg/kg)	
Alpha-BHC	0.0299 J

SB013	
Depth	6-8'
SVOCs (mg/kg)	
Benzo(a)anthracene	44
Benzo(a)pyrene	35
Benzo(b)flouranthene	51
Benzo(k)flouranthene	20
Chrysene	38
Dibenzofuran	9.2
Ideno(1,2,3-cd)Pyrene	19
Total Metals (mg/kg)	
Arsenic	38
Copper	110
Lead	220
Mercury	84
Selenium	10
Zinc	18,000

SB019	
Depth	6-8'
Total Metals (mg/kg)	
Mercury	0.77 J

SB009	
Depth	6-8'
VOCs (mg/kg)	
2-Butanone	0.24 J
SVOCs (mg/kg)	
Chrysene	1.3
Total Metals (mg/kg)	
Copper	120
Lead	390
Mercury	15
Zinc	140
Pesticides (mg/kg)	
4-4'-DDE	0.00776 J

SB-8	
Depth	4-6'
VOCs (mg/kg)	
Acetone	0.054
SVOCs (mg/kg)	
Benzo(a)anthracene	60
Benzo(a)pyrene	49
Benzo(b)flouranthene	56
Benzo(k)flouranthene	30
Chrysene	57
Dibenzofuran	22
Ideno(1,2,3-cd)Pyrene	23
Napthalene	47

SB023	
Depth	6-8'
VOCs (mg/kg)	
Acetone	0.091 J

SB021	
Depth	6-8'
VOCs (mg/kg)	
p/m-Xylene	0.68
SVOCs (mg/kg)	
Benzo(a)anthracene	140
Benzo(a)pyrene	150
Benzo(b)flouranthene	150
Benzo(k)flouranthene	58
Chrysene	140
Dibenzofuran	8.3
Ideno(1,2,3-cd)Pyrene	94
Napthalene	14
Total Metals (mg/kg)	
Arsenic	41
Chromium	36
Copper	130
Lead	790
Mercury	4.6
Zinc	190

SB017	
Depth	6-8'
Total Metals (mg/kg)	
Arsenic	18
Chromium	2,500 J
Copper	140 J
Lead	320
Mercury	0.72 J
Zinc	220

SB018	
Depth	6-8'
SVOCs (mg/kg)	
Benzo(a)anthracene	10
Benzo(b)flouranthene	10
Chrysene	2.6
Total Metals (mg/kg)	
Arsenic	18
Chromium	48 J
Copper	87 J
Lead	680
Mercury	12 J
Zinc	600

SB022	
Depth	6-8'
VOCs (mg/kg)	
Benzene	0.077 J
p/m-Xylene	0.35 J
Trichloroethene	5
Total Metals (mg/kg)	
Cadmium	3.6
Lead	85
Mercury	3.1 J
Zinc	410
Pesticides (mg/kg)	
4-4'-DDE	0.00603 J

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- Curbline

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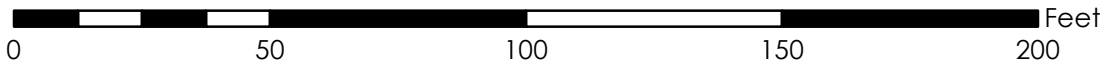
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4-B

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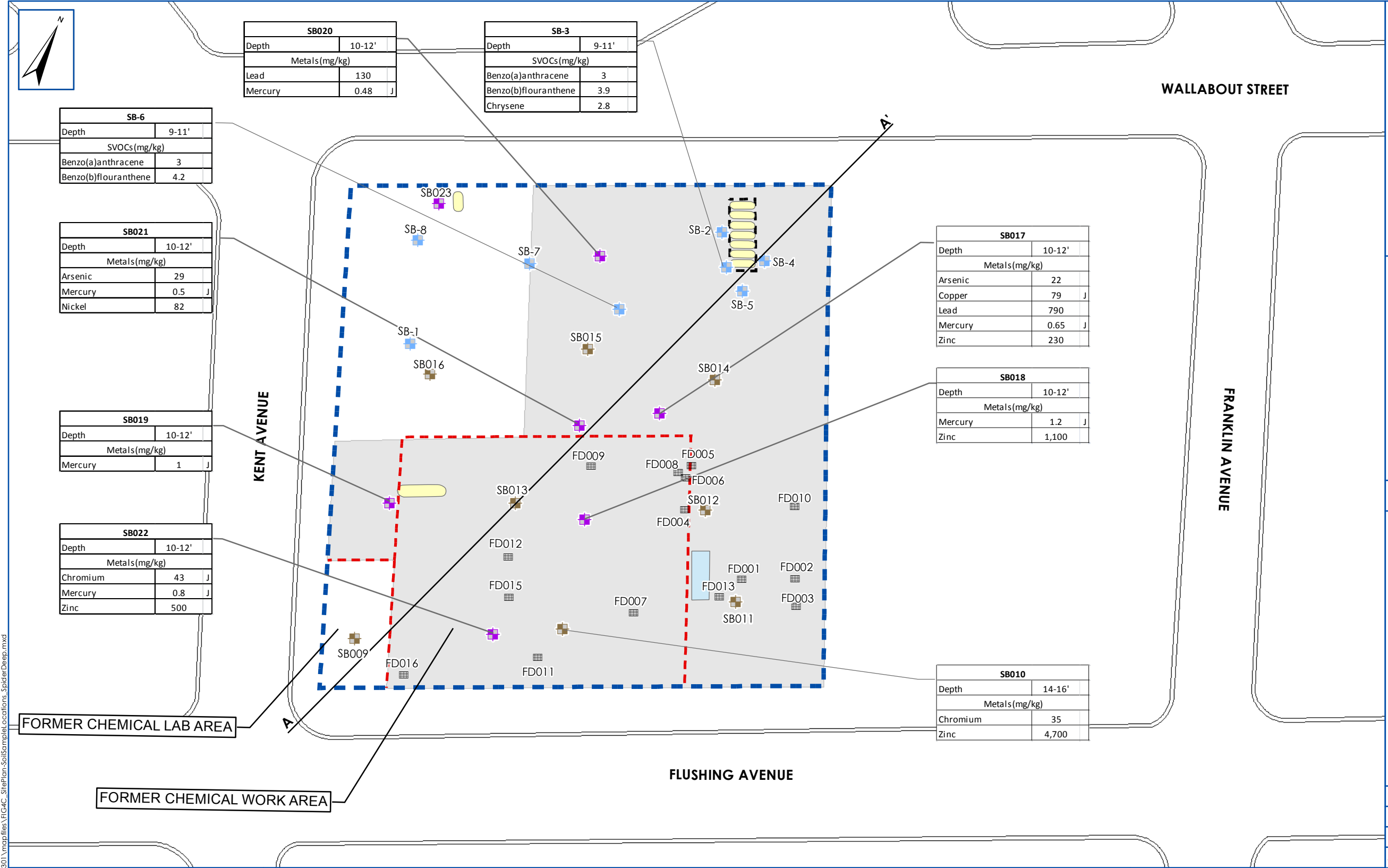
SITE PLAN - INTERMEDIATE SOIL SAMPLING LOCATIONS

74 WALLABOUT STREET
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Note:
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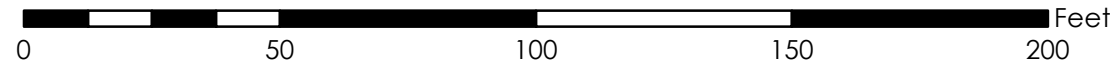
FIGURE NO:

4-C

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SITE PLAN - DEEP SOIL SAMPLING LOCATIONS

74 WALLABOUT STREET
BROOKLYN, NEW YORK



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SB021(GW)		
SVOCs(µg/L)		
Benzo(a)anthracene	0.25	
Benzo(a)pyrene	0.61	
Benzo(b)fluoranthene	0.84	
Benzo(k)fluoranthene	0.34	
Chrysene	0.28	
Indeno(1,2,3-cd)Pyrene	0.79	
Metals(µg/L)		
Antimony	8.49	J
Iron	764	

MW001		
SVOCs(µg/L)		
Benzo(a)anthracene	0.19	J
Chrysene	0.21	
Metals(µg/L)		
Iron	6,370	
Manganese	421.4	
Sodium	105,000	

SB020(GW)		
SVOCs(µg/L)		
Benzo(a)anthracene	0.36	
Benzo(a)pyrene	0.71	
Benzo(b)fluoranthene	1.5	
Benzo(k)fluoranthene	0.51	
Chrysene	0.39	
Indeno(1,2,3-cd)Pyrene	1.5	
Metals(µg/L)		
Antimony	15.08	
Iron	1,340	
Manganese	2,340	
Sodium	50,700	

GW-1		
SVOCs(µg/L)		
Benzo(a)anthracene	6.6	
Benzo(a)pyrene	7.1	
Benzo(b)fluoranthene	9.3	
Benzo(k)fluoranthene	3	
Chrysene	6.5	

MW004		
Metals(µg/L)		
Antimony	8.68	
Sodium	52,300	

GW-3		
SVOCs(µg/L)		
Benzo(a)anthracene	17	
Benzo(a)pyrene	14	
Benzo(b)fluoranthene	16	
Benzo(k)fluoranthene	6.7	
Chrysene	17	
Indeno(1,2,3-cd)Pyrene	5.7	

GW-2		
VOCs(µg/L)		
Acetone	52	
SVOCs(µg/L)		
Benzo(a)anthracene	3.1	
Benzo(a)pyrene	7.1	
Benzo(b)fluoranthene	9.3	
Benzo(k)fluoranthene	3	
Chrysene	3.2	

MW003		
SVOCs(µg/L)		
Chrysene	0.06	J
Metals(µg/L)		
Antimony	3.4	J
Iron	10,100	
Magnesium	54,600	
Manganese	443	
Sodium	301,000	

GW011		
SVOCs(µg/L)		
Benzo(a)anthracene	0.2	
Benzo(a)pyrene	0.13	J
Benzo(b)fluoranthene	0.17	J
Benzo(k)fluoranthene	0.09	J
Chrysene	0.17	J
Metals(µg/L)		
Antimony	4.4	JB
Iron	684	
Manganese	2,574	
Selenium	12	J
Sodium	165,000	

MW005		
SVOCs(µg/L)		
Acenaphthalene	130	
Benzo(a)pyrene	23	
Benzo(b)fluoranthene	11	
Chrysene	49	
Fluorene	150	
Naphthalene	170	
Phenanthrene	350	
Pyrene	170	
Metals(µg/L)		
Iron	12,600	
Manganese	385.4	
Sodium	75,700	

GW013		
VOCs(µg/L)		
Naphthalene	30	
SVOCs(µg/L)		
Benzo(a)anthracene	0.91	
Benzo(a)pyrene	0.76	
Benzo(b)fluoranthene	1.1	
Benzo(k)fluoranthene	0.49	
Chrysene	1	
Indeno(1,2,3-cd)Pyrene	0.48	
Naphthalene	20	
Metals(µg/L)		
Antimony	4.8	JB
Iron	728	
Selenium	14	J
Sodium	26,500	

OB003		
VOCs(µg/L)		
Benzene	9.7	
Metals(µg/L)		
Iron	3,560	
Sodium	401,000	

SB022(GW)		
Metals(µg/L)		
Antimony	3.78	
Iron	1,860	
Lead	1,188	
Manganese	365.9	
Mercury	1.92	
Sodium	59,000	

KENT AVENUE

WALLABOUT STREET

FRANKLIN AVENUE

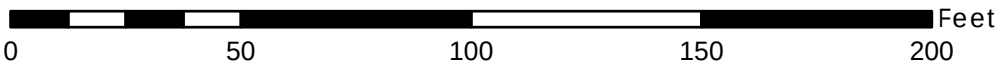
FLUSHING AVENUE

FORMER CHEMICAL LAB AREA

FORMER CHEMICAL WORK AREA

SITE PLAN - GROUNDWATER CONTOURS - SEPT. 18 2013

74 WALLABOUT STREET
BROOKLYN, NEW YORK



3.10 Groundwater Elevation (feet) Based Upon Arbitrary Datum
0.07 LNAPL Thickness
NP No LNAPL
NM Not Measured
Analytes in exceedence of 6NYCRR Part 703.5 GA Groundwater Quality Standards and Guidance Values 6/1998 are shown.
J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.



PWGC

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- Monitoring Well Location
- Observation Well Location
- 2012 Groundwater Sampling Location
- 2013 Groundwater Sampling Location
- 2006 Groundwater Sampling Location
- Pit
- Inferred LNAPL Contour
- Actual Groundwater Contour
- Inferred Groundwater Contour
- Former Chemical Work/Lab Area
- Underground Storage Tank Locations
- Sub-Surface Vault
- Former Building
- Approximate UST Location
- Lot 1 Proposed Development Site
- Curbline

DRAWING INFORMATION:

Project:	RAB1301	Designed by:	CC
Date:	09/18/2014	Drawn by:	BB
Scale:	AS SHOWN	Approved by:	AL

FIGURE NO:

5

SHEET:



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- Soil Vapor Location
- Pits
- Former Chemical Work/Lab Area
- Sub-Surface Vault
- Underground Storage Tanks
- Approximate UST Location
- Lot 1 Proposed Development Site
- Former Building
- Curbine

DRAWING INFORMATION:			
Project:	RAB1301	Designed by:	CC
Date:	9/3/2013	Drawn by:	BB
Scale:	AS SHOWN	Approved by:	AL

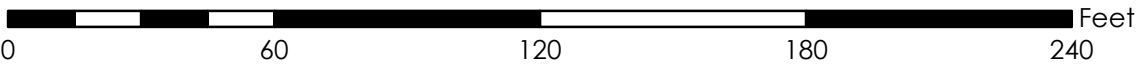
FIGURE NO:

6

SHEET:

SITE PLAN - SOIL SAMPLING LOCATIONS

74 WALLABOUT STREET
BROOKLYN, NEW YORK



KENT AVENUE

WALLABOUT STREET

FRANKLIN AVENUE

FLUSHING AVENUE

FORMER CHEMICAL LAB AREA

FORMER CHEMICAL WORK AREA

Document Path: D:\GIS\Projects\WRR\WAB\301\mapfiles\FIG6_SitePlan-SoilVaporLocations.mxd

J:\Projects M-R\RAB Simon Dushinsky\RAB1301\CAD\A-A' Cross-Section.dwg (cross section A-A') Sep 23, 2013 9:15am By: lund

- LEGEND
- WATER LEVEL

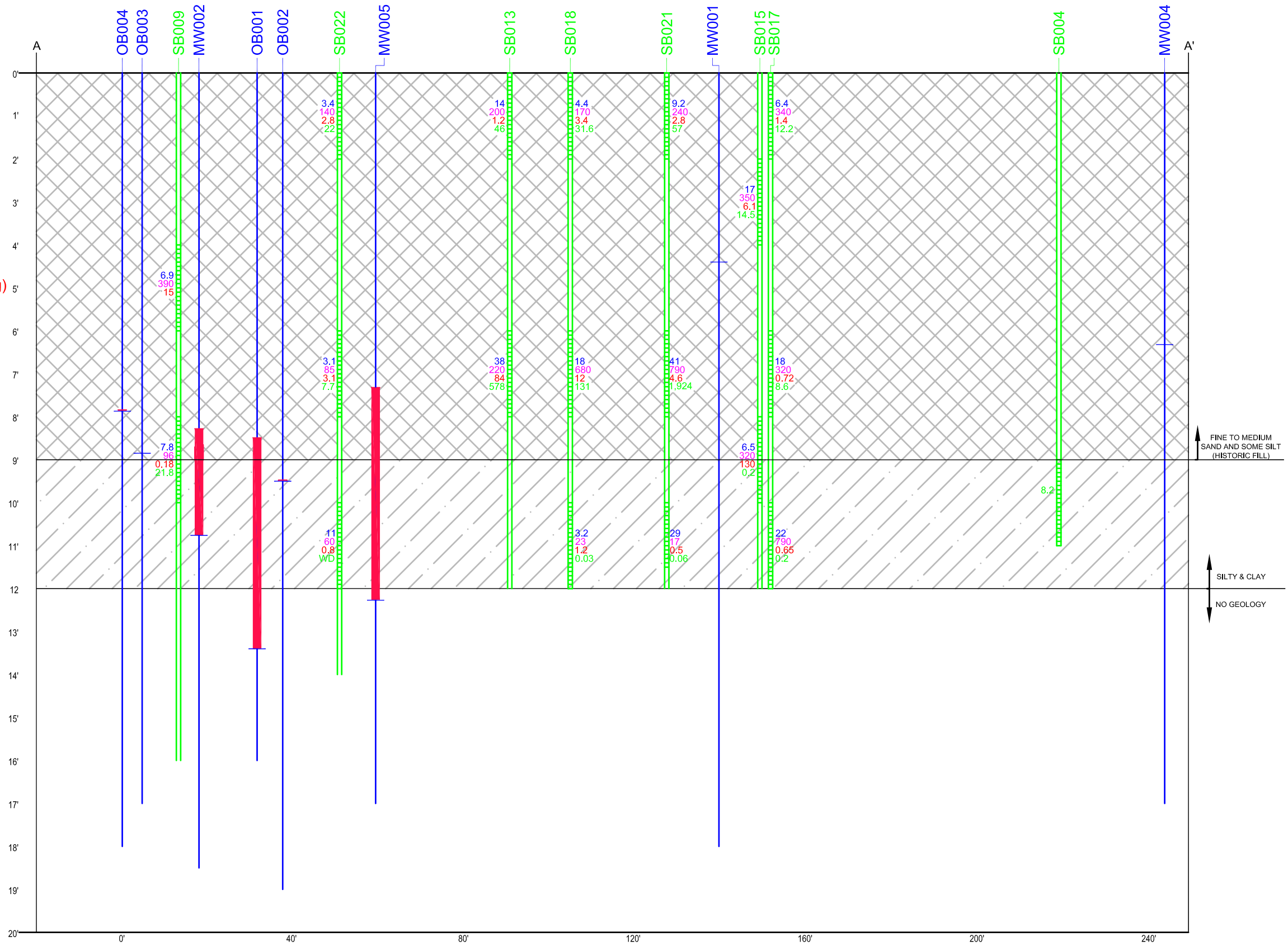
■ LNAPL THICKNESS (ft)

ARSENIC (mg/kg)

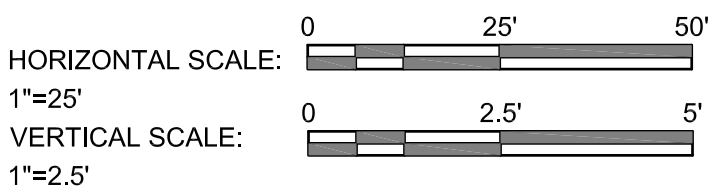
LEAD (mg/kg)

MERCURY (mg/kg)

TSVOCs (mg/kg)



GENERALIZED GEOLOGIC CROSS SECTION A - A'



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CONSULTANTS

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DRAWINGS PREPARED FOR

74 WALLABOUT ST.
BROOKLYN, NY

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION	
PROJECT: MAR1301	APPROVED BY: KA
DESIGNED BY: DE	DATE: 09-13-13
DRAWN BY: AES	SCALE: -

SHEET TITLE

CROSS SECTION A-A'

FIGURE NO 7

SHEET - OF -

Tables

Table 1
Soil/Sediment Sample Analytical Data Summary
Volatile Organic Compounds
EPA Method 8260

Client Sample ID: Laboratory ID: Sampling Date:	NYSDEC ⁽¹⁾ Unrestricted Use	NYSDEC ⁽²⁾ Restricted-Residential Use	FD002 L1313126-28 7/11/2013	FD005 L1313126-29 7/11/2013	FD007 L1313126-30 7/11/2013	FD009 L1313126-31 7/11/2013	FD015 L1313126-32 7/11/2013
Volatile Organic Compounds (mg/kg)							
1,1,1,2-Tetrachloroethane	NS	NS	0.1 U	0.087 U	0.15 U	0.0019 U	0.0023 UJ
1,1,1-Trichloroethane ^f	0.68	100 ^a	0.1 U	0.087 U	0.15 U	0.0019 U	0.0023 UJ
1,1,2,2-Tetrachloroethane	NS	NS	0.1 U	0.087 U	0.15 U	0.0019 U	0.0023 UJ
1,1,2-Trichloroethane	NS	NS	0.15 U	0.13 U	0.22 U	0.0029 U	0.0035 UJ
1,1-Dichloroethane ^f	0.27	26	0.15 U	0.13 U	0.22 U	0.0029 U	0.0035 UJ
1,1-Dichloroethene ^f	0.33	100 ^a	0.1 U	0.087 U	0.15 U	0.0019 U	0.0023 UJ
1,1-Dichloropropene	NS	NS	0.51 U	0.44 U	0.75 U	0.0097 U	0.012 UJ
1,2,3-Trichlorobenzene	NS	NS	0.51 U	0.44 U	0.75 U	0.0097 U	0.012 UJ
1,2,3-Trichloropropane	NS	NS	1 U	0.87 U	1.5 U	0.019 U	0.023 UJ
1,2,4,5-Tetramethylbenzene	NS	NS	0.4 U	0.35 U	0.6 U	0.0078 U	0.0092 UJ
1,2,4-Trichlorobenzene	NS	NS	0.51 U	0.44 U	0.75 U	0.0097 U	0.012 UJ
1,2,4-Trimethylbenzene ^f	3.6	52	0.51 U	0.44 U	0.75 U	0.0097 U	0.012 UJ
1,2-Dibromo-3-chloropropane	NS	NS	0.51 U	0.44 U	0.75 U	0.0097 U	0.012 UJ
1,2-Dibromoethane	NS	NS	0.4 U	0.35 U	0.6 U	0.0078 U	0.0092 UJ
1,2-Dichlorobenzene ^f	1.1	100 ^a	0.51 U	0.44 U	0.75 U	0.0097 U	0.012 UJ
1,2-Dichloroethane	0.020 ^c	3.1	0.1 U	0.087 U	0.15 U	0.0019 U	0.0023 UJ
1,2-Dichloropropane	NS	NS	0.35 U	0.3 U	0.53 U	0.0068 U	0.0081 UJ
1,3,5-Trimethylbenzene ^f	8.4	52	0.51 U	0.44 U	0.75 U	0.0097 U	0.012 UJ
1,3-Dichlorobenzene ^f	2.4	49	0.51 U	0.44 U	0.75 U	0.0097 U	0.012 UJ
1,3-Dichloropropane	NS	NS	0.51 U	0.44 U	0.75 U	0.0097 U	0.012 UJ
1,4-Dichlorobenzene	1.8	13	0.51 U	0.44 U	0.75 U	0.0097 U	0.012 UJ
1,4-Diethylbenzene	NS	NS	0.4 U	0.35 U	0.6 U	0.0078 U	0.0092 UJ
1,4-Dioxane	0.1 ^b	13	10 U	9 U	15 U	0.19 U	0.23 UJ
2,2-Dichloropropane	NS	NS	0.51 U	0.44 U	0.75 U	0.0097 U	0.012 UJ
2-Butanone	0.12	100 ^a	1 U	0.87 U	1.5 U	0.019 U	0.023 UJ
2-Hexanone	NS	NS	1 U	0.87 U	1.5 U	0.019 U	0.023 UJ
4-Ethyltoluene	NS	NS	0.4 U	0.35 U	0.6 U	0.0078 U	0.0092 UJ
4-Methyl-2-pentanone	NS	NS	1 U	0.87 U	1.5 U	0.019 U	0.023 UJ
Acetone	0.05	100 ^a	3	0.87 U	1.5 U	0.019 U	0.047 J
Acrylonitrile	NS	NS	1 U	0.87 U	1.5 U	0.019 U	0.023 UJ
Benzene	0.06	4.8	0.1 U	0.087 U	0.15 U	0.0019 U	0.0023 UJ
Bromobenzene	NS	NS	0.51 U	0.44 U	0.75 U	0.0097 U	0.012 UJ
Bromochloromethane	NS	NS	0.51 U	0.44 U	0.75 U	0.0097 U	0.012 UJ
Bromodichloromethane	NS	NS	0.1 U	0.087 U	0.15 U	0.0019 U	0.0023 UJ
Bromoform	NS	NS	0.4 U	0.35 U	0.6 U	0.0078 U	0.0092 UJ
Bromomethane	NS	NS	0.2 U	0.17 U	0.3 U	0.0039 U	0.0046 UJ
Carbon disulfide	NS	NS	1 U	0.87 U	1.5 U	0.019 U	0.023 UJ
Carbon tetrachloride ^f	0.76	2.4	0.1 U	0.087 U	0.15 U	0.0019 U	0.0023 UJ
Chlorobenzene	1.1	100 ^a	0.1 U	0.087 U	0.15 U	0.0019 U	0.0023 UJ
Chloroethane	NS	NS	0.2 U	0.17 U	0.3 U	0.0039 U	0.0046 UJ
Chloroform	0.37	49	0.15 U	0.13 U	0.22 U	0.0029 U	0.0035 UJ
Chloromethane	NS	NS	0.51 U	0.44 U	0.75 U	0.0097 U	0.012 UJ
cis-1,2-Dichloroethene ^f	0.25	100 ^a	0.1 U	0.087 U	0.15 U	0.0019 U	0.0023 UJ
cis-1,3-Dichloropropene	NS	NS	0.1 U	0.087 U	0.15 U	0.0019 U	0.0023 UJ
Dibromochloromethane	NS	NS	0.1 U	0.087 U	0.15 U	0.0019 U	0.0023 UJ
Dibromomethane	NS	NS	1 U	0.87 U	1.5 U	0.019 U	0.023 UJ
Dichlorodifluoromethane	NS	NS	1 U	0.87 U	1.5 U	0.019 U	0.023 UJ
Ethyl ether	NS	NS	0.51 U	0.44 U	0.75 U	0.0097 U	0.012 UJ
Ethylbenzene ^f	1	41	0.1 U	0.087 U	0.15 U	0.0019 U	0.0023 UJ
Hexachlorobutadiene	NS	NS	0.51 U	0.44 U	0.75 U	0.0097 U	0.012 UJ
Isopropylbenzene	2.3	NS	0.1 U	0.087 U	0.15 U	0.0019 U	0.0023 UJ
Methyl tert butyl ether ^f	0.93	100 ^a	0.2 U	0.17 U	0.3 U	0.0039 U	0.0046 UJ
Methylene chloride	0.05	100 ^a	1 U	0.87 U	1.5 U	0.019 U	0.023 UJ
Naphthalene ^f	12	100 ^a	1.4	8.7	2.9	0.0097 U	0.012 UJ
n-Butylbenzene ^f	3.9	100 ^a	0.1 U	0.087 U	0.15 U	0.0019 U	0.0023 UJ
n-Propylbenzene ^f	12	100 ^a	0.1 U	0.087 U	0.15 U	0.0019 U	0.0023 UJ
o-Chlorotoluene	NS	NS	0.51 U	0.44 U	0.75 U	0.0097 U	0.012 UJ
o-Xylene	0.26	100 ^a	0.2 U	0.17 U	0.3 U	0.0039 U	0.0046 UJ
p/m-Xylene	NS	100 ^a	0.2 U	0.17 U	0.3 U	0.0039 U	0.0046 UJ
p-Chlorotoluene	10	NS	0.51 U	0.44 U	0.75 U	0.0097 U	0.012 UJ
p-Isopropyltoluene	0.26	NS	0.91	0.087 U	0.15 U	0.0019 U	0.0023 UJ
sec-Butylbenzene ^f	11	100 ^a	0.1 U	0.087 U	0.15 U	0.0019 U	0.0023 UJ
Styrene	NS	NS	0.2 U	0.17 U	0.3 U	0.0039 U	0.0046 UJ
tert-Butylbenzene ^f	5.9	100 ^a	0.51 U	0.44 U	0.75 U	0.0097 U	0.012 UJ
Tetrachloroethene	1.3	19	0.1 U	0.087 U	0.15 U	0.0019 U	0.0023 UJ
Toluene	0.7	100 ^a	0.22	0.13 U	0.13 U	0.0029 U	0.0035 UJ
trans-1,2-Dichloroethene ^f	0.19	100 ^a	0.15 U	0.13 U	0.13 U	0.0029 U	0.0035 UJ
trans-1,3-Dichloropropene	NS	NS	0.1 U	0.087 U	0.15 U	0.0019 U	0.0023 UJ
trans-1,4-Dichloro-2-butene	NS	NS	0.51 U	0.44 U	0.75 U	0.0097 U	0.012 UJ
Trichloroethene	0.47	21	0.1 U	0.087 U	0.15 U	0.0019 U	0.0034 J
Trichlorofluoromethane	NS	NS	0.51 U	0.44 U	0.75 U	0.0097 U	0.012 UJ
Vinyl acetate	NS	NS	1 U	0.87 U	1.5 U	0.019 U	0.023 UJ
Vinyl chloride ^f	0.02	0.9	0.2 U	0.17 U	0.3 U	0.0039 U	0.0046 UJ

Notes:

(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

b - For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value.

c - For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the department and department of health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site.

f - protection of ecological resources SCOs were not deveoped for contaminants identified in Table 375-6.8(b) with "NS". Where such contaminants appear in Table 375-6.8(a), the applicant may be required by the Department to calculate a protection of ecological resources SCO according to the TSD.

(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restricted Use of Soil Cleanup Objective Table 375-6.8b 12/06

a - The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 ppm. See TSD section 9.3.

NS - No Standard

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Highlighted text denotes concentrations exceeding NYSDEC Restricted-Residential Use SCO

Table 2
Soil/Sediment Sample Analytical Data Summary
Semi-Volatile Organic Compounds
EPA Method 8270

Client Sample ID: Laboratory ID: Sampling Date:	NYSDEC ⁽¹⁾ Unrestricted Use	NYSDEC ⁽²⁾ Restricted-Residential Use	FD002 L1313126-28 7/11/2013	FD005 L1313126-29 7/11/2013	FD007 L1313126-30 7/11/2013	FD009 L1313126-31 7/11/2013	FD015 L1313126-32 7/11/2013
Semi-Volatile Organic Compounds (mg/kg)							
1,2,4,5-Tetrachlorobenzene	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
1,2,4-Trichlorobenzene	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
1,2-Dichlorobenzene	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
1,3-Dichlorobenzene	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
1,4-Dichlorobenzene	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
2,4,5-Trichlorophenol	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
2,4,6-Trichlorophenol	NS	NS	1.2 U	11 U	4.6 U	0.37 U	1.5 U
2,4-Dichlorophenol	NS	NS	1.8 U	17 U	6.9 U	0.56 U	2.2 U
2,4-Dimethylphenol	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
2,4-Dinitrophenol	NS	NS	9.8 U	90 U	37 U	3 U	12 U
2,4-Dinitrotoluene	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
2,6-Dinitrotoluene	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
2-Chloronaphthalene	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
2-Chlorophenol	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
2-Methylnaphthalene	NS	NS	5.7	22 U	9.2 U	0.74 U	3 U
2-Methylphenol	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
2-Nitroaniline	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
2-Nitrophenol	NS	NS	4.4 U	40 U	17 U	1.3 U	5.4 U
3,3'-Dichlorobenzidine	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
3-Methylphenol/4-Methylphenol	NS	NS	2.9 U	27 U	11 U	0.89 U	3.6 U
3-Nitroaniline	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
4,6-Dinitro-o-cresol ^f	0.33 ^b	100 ^a	5.3 U	48 U	20 U	1.6 U	6.5 U
4-Bromophenyl phenyl ether	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
4-Chloroaniline	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
4-Chlorophenyl phenyl ether	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
4-Nitroaniline	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
4-Nitrophenol	NS	NS	2.8 U	26 U	11 U	0.86 U	3.5 U
Acenaphthene	20	100 ^a	23	53	26	0.79	2 U
Acenaphthylene ^f	100 ^a	100 ^a	1.6	15 U	8.6	0.49 U	2 U
Acetophenone	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
Anthracene ^f	100 ^a	100 ^a	41	89	54	1.9	3.1
Benzo(a)anthracene ^f	1 ^c	1 ^f	68	150	120	3.3	5.1
Benzo(a)pyrene	1 ^c	1 ^f	59	130	100	2.9	4
Benzo(b)fluoranthene ^f	1 ^c	1 ^f	78	170	130	3.8	5.1
Benzo(ghi)perylene ^f	100	100 ^a	31	67	57	1.7	2.6
Benzo(k)fluoranthene ^f	0.8 ^c	3.9	28	64	68	1.7	2.9
Benzoic Acid	NS	NS	6.6 U	60 U	25 U	2 U	8.1 U
Benzyl Alcohol	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
Biphenyl	NS	NS	4.6 U	42 U	18 U	1.4 U	5.7 U
Bis(2-chloroethoxy)methane	NS	NS	2.2 U	20 U	8.3 U	0.67 U	2.7 U
Bis(2-chloroethyl)ether	NS	NS	1.8 U	17 U	6.9 U	0.56 U	2.2 U
Bis(2-chloroisopropyl)ether	NS	NS	2.4 U	22 U	9.2 U	0.74 U	3 U
Bis(2-Ethylhexyl)phthalate	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
Butyl benzyl phthalate	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
Carbazole	NS	NS	21	19 U	28	0.91	2.5 U
Chrysene ^f	1 ^c	3.9	64	140	110	3.2	4.6
Dibenzo(a,h)anthracene ^f	0.33 ^b	0.33 ^b	9	20	16	0.5	1.5 U
Dibenzofuran ^f	7	59	14	34	16	0.62 U	2.5 U
Diethyl phthalate	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
Dimethyl phthalate	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
Di-n-butylphthalate	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
Di-n-octylphthalate	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
Fluoranthene ^f	100 ^a	100 ^a	180	340	270	7.3	12
Fluorene	30	100 ^a	23	49	26	0.78	2.5 U
Hexachlorobenzene	0.33	1.2	1.2 U	11 U	4.6 U	0.37 U	1.5 U
Hexachlorobutadiene	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
Hexachlorocyclopentadiene	NS	NS	5.8 U	54 U	22 U	1.80 U	7.1 U
Hexachloroethane	NS	NS	1.6 U	15 U	6.2 U	0.49 U	2 U
Indeno(1,2,3-cd)Pyrene ^f	0.5 ^c	0.5 ^f	30	62	54	1.5	2.2
Isophorone	NS	NS	1.8 U	17 U	6.9 U	0.56 U	2.2 U
Naphthalene ^f	12	100 ^a	16	48	15	0.56 U	2.2 U
Nitrobenzene	NS	NS	1.8 U	17 U	6.9 U	0.62 U	2.2 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	1.8 U	15 U	6.2 U	0.49 U	2 U
n-Nitrosodi-n-propylamine	NS	NS	2 U	19 U	7.7 U	0.62 U	2.5 U
p-Chloro-M-Cresol ^f	0.33 ^b	100 ^a	2 U	19 U	7.7 U	0.62 U	2.5 U
Pentachlorophenol	0.8 ^b	6.7	1.6 U	15 U	6.2 U	0.49 U	2 U
Phenanthrene ^f	100	100 ^a	160	320	180	5.6	11
Phenol	0.33 ^b	100 ^a	2 U	19 U	7.7 U	0.62 U	2.5 U
Pyrene ^f	100	100 ^a	140	270	220	5.9	9.2
Total SVOCs			992.3	2,006	1,498.6	42	61.8

Notes:

(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

a - The SCO for unrestricted use were capped at a maximum value of 100 ppm. See Technical Support Document (TSD), Setion 9.3.

b - For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value.

c - For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the department and department of health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site.

f - protection of ecological resources SCOs were not deveoped for contaminants identified in Table 375-6.8(b) with "NS". Where such contaminants appear in Table 375-6.8(a), the applicant may be required by the Department to calculate a protection of ecological resources SCO according to the TSD.

(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restrcted Use of Soil Cleanup Objective Table 375-6.8b 12/06

a - The SCO for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 ppm. See TSD section 9.3.

e - For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the SCO value.

f - For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the department and department of health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

NS - No Standard

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Highlighted text denotes concentrations exceeding NYSDEC Restricted-Residential Use SCO

Table 3
Soil/Sediment Sample Analytical Data Summary
Total Metals
EPA Method 6010

Client Sample ID:	NYSDEC ⁽¹⁾	NYSDEC ⁽²⁾	FD002	FD005	FD007	FD009	FD015
Laboratory ID:	Unrestricted Use	Restricted-Residential	L1313126-28	L1313126-29	L1313126-30	L1313126-31	L1313126-32
Sampling Date:		Use	7/11/2013	7/11/2013	7/11/2013	7/11/2013	7/11/2013
Total Metals (mg/kg)							
Aluminum, Total	NS	NS	4,800	9,500	1,200 J	20,000	5,500
Antimony, Total	NS	NS	4.8 U	4.3 U	23	7.0 U	5.8 UJ
Arsenic, Total	13 ^c	16 ⁱ	42	37	4.2	17	26 J
Barium, Total	350 ^c	400	420	220	84	170	140 J
Beryllium, Total	7.2	72	0.48 U	1.1	0.46 U	1.4	0.26 J
Cadmium, Total	2.5 ^c	4.3	12	3.7	20	3.0	19 J
Calcium, Total	NS	NS	22,000	34,000	4,900 J	18,000	23,000
Chromium, Total ^f	30 ^c	180	220 J	64 J	54 J	67 J	270 J
Cobalt, Total	NS	NS	53	20	3.4	10	22 J
Copper, Total	50	270	840 J	220 J	180 J	88 J	620 J
Iron, Total	NS	NS	260,000	81,000	29,000	54,000	220,000
Lead, Total	63 ^c	400	600	290	1,500	130	300
Magnesium, Total	NS	NS	4,000	6,400	900	12,000	2,900 J
Manganese, Total	1,600 ^c	2,000 ⁱ	28,000	1,800	190	600	1,400
Mercury, Total	0.18 ^c	0.81 ^j	9.9 J	16 J	1.7 J	0.94 J	1.2 J
Nickel, Total	30	310	190	37	39	27	R
Potassium, Total	NS	NS	550	2,500	230 U	5,000	1,900 J
Selenium, Total	3.9 ^c	180	1.9 U	1.7 U	3.4	2.8 U	2.3 UJ
Silver, Total	2	180	7.7	2.6	3.0	1.4 U	1.9 J
Sodium, Total	NS	NS	360	520	180 U	870	530 J
Thallium, Total	NS	NS	1.9 U	1.7 U	1.8 U	2.8 U	2.3 UJ
Vanadium, Total	NS	NS	25	74	8.1	47	19 J
Zinc, Total	109 ^c	10,000 ^u	800	340	370	320	620

Notes:

(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

c - For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the department and department of health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site.

e - The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.

(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restricted Use of Soil Cleanup Objective Table 375-6.8b 12/06

d - The SCOs for metals were capped at a maximum value of 10,000 ppm. See TSD section 9.3.

f - For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the department and department of health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

j - This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts). See TSD Table 5.6-1.

NS - No Standard

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Highlighted text denotes concentrations exceeding NYSDEC Restricted-Residential Use SCO

Table 4
Soil/Sediment Sample Analytical Data Summary
Pesticides
EPA Method 8081 / PCBs EPA Method 8082

Client Sample ID:	NYSDEC ⁽¹⁾	NYSDEC ⁽²⁾	FD002	FD005	FD007	FD009	FD015
Laboratory ID:	Unrestricted Use	Restricted-Residential Use	L1313126-28	L1313126-29	L1313126-30	L1313126-31	L1313126-32
Sampling Date:			7/11/2013	7/11/2013	7/11/2013	7/11/2013	7/11/2013
Organochlorine Pesticides (µg/kg)							
4,4'-DDE	0.0033 ^b	8.9	0.00957 U	0.00907 U	0.0104 J	0.0147 U	0.012 U
4,4'-DDD	0.0033 ^b	13	0.00957 U	0.0323	0.0298 J	0.0147 U	0.012 U
4,4'-DDT	0.0033 ^b	7.9	0.0179 U	0.017 U	0.0175 U	0.0275 U	0.0224 U
Aldrin	0.005 ^c	0.097	0.00957 U	0.00907 U	0.00934 U	0.0147 U	0.012 U
Alpha-BHC	0.02	0.48	0.00399 U	0.00378 U	0.00389 U	0.00612 U	0.00498 U
Beta-BHC	0.036	0.36	0.00957 U	0.00907 U	0.00934 U	0.0147 U	0.012 U
Chlordane	0.094	4.2	0.0777 U	0.0737 U	0.0759 U	0.119 U	0.0972 U
cis-Chlordane	0.094	4.2	0.012 U	0.0113 U	0.0117 U	0.0183 U	0.0149 U
Delta-BHC ^c	0.04	100 ^a	0.00957 U	0.00907 U	0.00934 U	0.0147 U	0.012 U
Dieldrin	0.005 ^c	0.2	0.00598 U	0.00567 U	0.00584 U	0.00917 U	0.00747 U
Endosulfan I ^{d,i}	2.4	24 ⁱ	0.00957 U	0.00907 U	0.00934 U	0.0147 U	0.012 U
Endosulfan II ^{d,i}	2.4	24 ⁱ	0.00957 U	0.00907 U	0.00934 U	0.0147 U	0.012 U
Endosulfan sulfate ^{d,i}	2.4	24 ⁱ	0.00399 U	0.00378 U	0.00389 U	0.00612 U	0.00498 U
Endrin	0.014	11	0.00399 U	0.00378 U	0.00389 U	0.00612 U	0.00498 U
Endrin ketone	NS	NS	0.00957 U	0.00907 U	0.00934 U	0.0147 U	0.012 U
Heptachlor	0.042	2.1	0.00478 U	0.00453 U	0.00467 U	0.00734 U	0.00598 U
Heptachlor epoxide	NS	NS	0.0179 U	0.017 U	0.0175 U	0.0275 U	0.0224 U
Lindane	0.1	1.3	0.00399 U	0.00378 U	0.00389 U	0.00612 U	0.00498 U
Methoxychlor	NS	NS	0.0179 U	0.02 U	0.0175 U	0.0275 U	0.0224 U
Toxaphene	NS	NS	0.179 U	0.17 U	0.175 U	0.275 U	0.224 U
trans-Chlordane	NS	NS	0.012 U	0.0113 U	0.0117 U	0.0183 U	0.0149 U
Polychlorinated Biphenyls (µg/kg)							
Aroclor 1016	0.1	1	0.0404 U	0.0372 U	0.0385 U	0.06 U	4.94 U
Aroclor 1221	0.1	1	0.0404 U	0.0372 U	0.0385 U	0.06 U	4.94 U
Aroclor 1232	0.1	1	0.0404 U	0.0372 U	0.0385 U	0.06 U	4.94 U
Aroclor 1242	0.1	1	0.0404 U	0.0372 U	0.0385 U	0.06 U	4.94 U
Aroclor 1248	0.1	1	0.0404 U	0.0372 U	0.0385 U	0.06 U	4.94 U
Aroclor 1254	0.1	1	0.0404 U	0.0372 U	0.0385 U	0.06 U	4.94 U
Aroclor 1260	0.1	1	0.0404 U	0.0372 U	0.121	0.189	4.94 U
Aroclor 1262	0.1	1	0.0404 U	0.0372 U	0.0385 U	0.06 U	4.94 U
Aroclor 1268	0.1	1	0.0404 U	0.0372 U	0.0385 U	0.06 U	4.94 U

Notes:

(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

b - For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value.

c - For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the department and department of health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site.

d - SCO is the sum of endosulfan I, endosulfan II and endosulfan sulfate

f - protection of ecological resources SCOs were not developed for contaminants identified in Table 375-6.8(b) with "NS". Where such contaminants appear in Table 375-6.8(a), the applicant may be required by the Department to calculate a protection of ecological resources SCO according to the TSD.

(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restricted Use of Soil Cleanup Objective Table 375-6.8b 12/06

a - The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 ppm. See TSD section 9.3.

i - This SCO is for the sum of Endosulfan I, endosulfan II, and endosulfan sulfate.

NS - No Standard

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Highlighted text denotes concentrations exceeding NYSDEC Restricted-Residential Use SCO

Table 5
Soil Sample Analytical Data Summary
Volatile Organic Compounds
EPA Method 8260

Sample ID:	NYSDEC ⁽¹⁾ Soil Cleanup Objectives Unrestricted Use	NYSDEC ⁽²⁾ Soil Cleanup Objectives Restricted-Residential Use	NYSDEC ⁽³⁾ Soil Cleanup Objectives Protection of Groundwater	FD005 L131565-02 8/12/2013	FD016 L131565-01 12/28/2006	4'-6' L265126-02 12/27/2006	8'-9' L265126-02 12/28/2006	9'-11' L265126-03 12/28/2006	9'-11' L265126-04 12/28/2006	9'-11' L265126-05 12/28/2006	9'-11' L265126-06 12/28/2006	9'-11' L265126-07 12/28/2006	9'-11' L265126-08 12/28/2006	9'-11' L265126-09 12/28/2006	9'-11' L265126-10 12/28/2006	9'-11' L265126-11 12/28/2006	9'-11' L265126-12 12/28/2006	9'-11' L265126-13 12/28/2006	9'-11' L265126-14 12/28/2006	9'-11' L265126-15 12/28/2006	9'-11' L265126-16 12/28/2006	9'-11' L265126-17 12/28/2006	9'-11' L265126-18 12/28/2006	9'-11' L265126-19 12/28/2006	9'-11' L265126-20 12/28/2006	9'-11' L265126-21 12/28/2006	9'-11' L265126-22 12/28/2006	9'-11' L265126-23 12/28/2006	9'-11' L265126-24 12/28/2006	9'-11' L265126-25 12/28/2006	9'-11' L265126-26 12/28/2006	9'-11' L265126-27 12/28/2006	9'-11' L265126-28 12/28/2006	9'-11' L265126-29 12/28/2006	9'-11' L265126-30 12/28/2006	9'-11' L265126-31 12/28/2006	9'-11' L265126-32 12/28/2006	9'-11' L265126-33 12/28/2006	9'-11' L265126-34 12/28/2006	9'-11' L265126-35 12/28/2006	9'-11' L265126-36 12/28/2006	9'-11' L265126-37 12/28/2006	9'-11' L265126-38 12/28/2006	9'-11' L265126-39 12/28/2006	9'-11' L265126-40 12/28/2006	9'-11' L265126-41 12/28/2006	9'-11' L265126-42 12/28/2006	9'-11' L265126-43 12/28/2006	9'-11' L265126-44 12/28/2006	9'-11' L265126-45 12/28/2006	9'-11' L265126-46 12/28/2006	9'-11' L265126-47 12/28/2006	9'-11' L265126-48 12/28/2006	9'-11' L265126-49 12/28/2006	9'-11' L265126-50 12/28/2006	9'-11' L265126-51 12/28/2006	9'-11' L265126-52 12/28/2006	9'-11' L265126-53 12/28/2006	9'-11' L265126-54 12/28/2006	9'-11' L265126-55 12/28/2006	9'-11' L265126-56 12/28/2006	9'-11' L265126-57 12/28/2006	9'-11' L265126-58 12/28/2006	9'-11' L265126-59 12/28/2006	9'-11' L265126-60 12/28/2006	9'-11' L265126-61 12/28/2006	9'-11' L265126-62 12/28/2006	9'-11' L265126-63 12/28/2006	9'-11' L265126-64 12/28/2006	9'-11' L265126-65 12/28/2006	9'-11' L265126-66 12/28/2006	9'-11' L265126-67 12/28/2006	9'-11' L265126-68 12/28/2006	9'-11' L265126-69 12/28/2006	9'-11' L265126-70 12/28/2006	9'-11' L265126-71 12/28/2006	9'-11' L265126-72 12/28/2006	9'-11' L265126-73 12/28/2006	9'-11' L265126-74 12/28/2006	9'-11' L265126-75 12/28/2006	9'-11' L265126-76 12/28/2006	9'-11' L265126-77 12/28/2006	9'-11' L265126-78 12/28/2006	9'-11' L265126-79 12/28/2006	9'-11' L265126-80 12/28/2006	9'-11' L265126-81 12/28/2006	9'-11' L265126-82 12/28/2006	9'-11' L265126-83 12/28/2006	9'-11' L265126-84 12/28/2006	9'-11' L265126-85 12/28/2006	9'-11' L265126-86 12/28/2006	9'-11' L265126-87 12/28/2006	9'-11' L265126-88 12/28/2006	9'-11' L265126-89 12/28/2006	9'-11' L265126-90 12/28/2006	9'-11' L265126-91 12/28/2006	9'-11' L265126-92 12/28/2006	9'-11' L265126-93 12/28/2006	9'-11' L265126-94 12/28/2006	9'-11' L265126-95 12/28/2006	9'-11' L265126-96 12/28/2006	9'-11' L265126-97 12/28/2006	9'-11' L265126-98 12/28/2006	9'-11' L265126-99 12/28/2006	9'-11' L265126-100 12/28/2006	9'-11' L265126-101 12/28/2006	9'-11' L265126-102 12/28/2006	9'-11' L265126-103 12/28/2006	9'-11' L265126-104 12/28/2006	9'-11' L265126-105 12/28/2006	9'-11' L265126-106 12/28/2006	9'-11' L265126-107 12/28/2006	9'-11' L265126-108 12/28/2006	9'-11' L265126-109 12/28/2006	9'-11' L265126-110 12/28/2006	9'-11' L265126-111 12/28/2006	9'-11' L265126-112 12/28/2006	9'-11' L265126-113 12/28/2006	9'-11' L265126-114 12/28/2006	9'-11' L265126-115 12/28/2006	9'-11' L265126-116 12/28/2006	9'-11' L265126-117 12/28/2006	9'-11' L265126-118 12/28/2006	9'-11' L265126-119 12/28/2006	9'-11' L265126-120 12/28/2006	9'-11' L265126-121 12/28/2006	9'-11' L265126-122 12/28/2006	9'-11' L265126-123 12/28/2006	9'-11' L265126-124 12/28/2006	9'-11' L265126-125 12/28/2006	9'-11' L265126-126 12/28/2006	9'-11' L265126-127 12/28/2006	9'-11' L265126-128 12/28/2006	9'-11' L265126-129 12/28/2006	9'-11' L265126-130 12/28/2006	9'-11' L265126-131 12/28/2006	9'-11' L265126-132 12/28/2006	9'-11' L265126-133 12/28/2006	9'-11' L265126-134 12/28/2006	9'-11' L265126-135 12/28/2006	9'-11' L265126-136 12/28/2006	9'-11' L265126-137 12/28/2006	9'-11' L265126-138 12/28/2006	9'-11' L265126-139 12/28/2006	9'-11' L265126-140 12/28/2006	9'-11' L265126-141 12/28/2006	9'-11' L265126-142 12/28/2006	9'-11' L265126-143 12/28/2006	9'-11' L265126-144 12/28/2006	9'-11' L265126-145 12/28/2006	9'-11' L265126-146 12/28/2006	9'-11' L265126-147 12/28/2006	9'-11' L265126-148 12/28/2006	9'-11' L265126-149 12/28/2006	9'-11' L265126-150 12/28/2006	9'-11' L265126-151 12/28/2006	9'-11' L265126-152 12/28/2006	9'-11' L265126-153 12/28/2006	9'-11' L265126-154 12/28/2006	9'-11' L265126-155 12/28/2006	9'-11' L265126-156 12/28/2006	9'-11' L265126-157 12/28/2006	9'-11' L265126-158 12/28/2006	9'-11' L265126-159 12/28/2006	9'-11' L265126-160 12/28/2006	9'-11' L265126-161 12/28/2006	9'-11' L265126-162 12/28/2006	9'-11' L265126-163 12/28/2006	9'-11' L265126-164 12/28/2006	9'-11' L265126-165 12/28/2006	9'-11' L265126-166 12/28/2006	9'-11' L265126-167 12/28/2006	9'-11' L265126-168 12/28/2006	9'-11' L265126-169 12/28/2006	9'-11' L265126-170 12/28/2006	9'-11' L265126-171 12/28/2006	9'-11' L265126-172 12/28/2006	9'-11' L265126-173 12/28/2006	9'-11' L265126-174 12/28/2006	9'-11' L265126-175 12/28/2006	9'-11' L265126-176 12/28/2006	9'-11' L265126-177 12/28/2006	9'-11' L265126-178 12/28/2006	9'-11' L265126-179 12/28/2006	9'-11' L265126-180 12/28/2006	9'-11' L265126-181 12/28/2006	9'-11' L265126-182 12/28/2006	9'-11' L265126-183 12/28/2006	9'-11' L265126-184 12/28/2006	9'-11' L265126-185 12/28/2006	9'-11' L265126-186 12/28/2006	9'-11' L265126-187 12/28/2006	9'-11' L265126-188 12/28/2006	9'-11' L265126-189 12/28/2006	9'-11' L265126-190 12/28/2006	9'-11' L265126-191 12/28/2006	9'-11' L265126-192 12/28/2006	9'-11' L265126-193 12/28/2006	9'-11' L265126-194 12/28/2006	9'-11' L265126-195 12/28/2006	9'-11' L265126-196 12/28/2006	9'-11' L265126-197 12/28/2006	9'-11' L265126-198 12/28/2006	9'-11' L265126-199 12/28/2006	9'-11' L265126-200 12/28/2006	9'-11' L265126-201 12/28/2006	9'-11' L265126-202 12/28/2006	9'-11' L265126-203 12/28/2006	9'-11' L265126-204 12/28/2006	9'-11' L265126-205 12/28/2006	9'-11' L265126-206 12/28/2006	9'-11' L265126-207 12/28/2006	9'-11' L265126-208 12/28/2006	9'-11' L265126-209 12/28/2006	9'-11' L265126-210 12/28/2006	9'-11' L265126-211 12/28/2006	9'-11' L265126-212 12/28/2006	9'-11' L265126-213 12/28/2006	9'-11' L265126-214 12/28/2006	9'-11' L265126-215 12/28/2006	9'-11' L265126-216 12/28/2006	9'-11' L265126-217 12/28/2006	9'-11' L265126-218 12/28/2006	9'-11' L265126-219 12/28/2006	9'-11' L265126-220 12/28/2006	9'-11' L265126-221 12/28/2006	9'-11' L265126-222 12/28/2006	9'-11' L265126-223 12/28/2006	9'-11' L265126-224 12/28/2006	9'-11' L265126-225 12/28/2006	9'-11' L265126-226 12/28/2006	9'-11' L265126-227 12/28/2006	9'-11' L265126-228 12/28/2006	9'-11' L265126-229 12/28/2006	9'-11' L265126-230 12/28/2006	9'-11' L265126-231 12/28/2006	9'-11' L265126-232 12/28/2006	9'-11' L265126-233 12/28/2006	9'-11' L265126-234 12/28/2006	9'-11' L265126-235 12/28/2006	9'-11' L265126-236 12/28/2006	9'-11' L265126-237 12/28/2006	9'-11' L265126-238 12/28/2006	9'-11' L265126-239 12/28/2006	9'-11' L265126-240 12/28/2006	9'-11' L265126-241 12/28/2006	9'-11' L265126-242 12/28/2006	9'-11' L265126-243 12/28/2006	9'-11' L265126-244 12/28/2006	9'-11' L265126-245 12/28/2006	9'-11' L265126-246 12/28/2006	9'-11' L265126-247 12/28/2006	9'-11' L265126-248 12/28/2006	9'-11' L265126-249 12/28/2006	9'-11' L265126-250 12/28/2006	9'-11' L265126-251 12/28/2006	9'-11' L265126-252 12/28/2006	9'-11' L265126-253 12/28/2006	9'-11' L265126-254 12/28/2006	9'-11' L265126-255 12/28/2006	9'-11' L265126-256 12/28/2006	9'-11' L265126-257 12/28/2006	9'-11' L265126-258 12/28/2006	9'-11' L265126-259 12/28/2006	9'-11' L265126-260 12/28/2006	9'-11' L265126-261 12/28/2006	9

Table 6
Soil Sample Analytical Data Summary
Semi-Volatile Organic Compounds
EPA Method 8270

Sample ID:		NYSDC ⁽¹⁾		NYSDC ⁽²⁾		NYSDC ⁽³⁾		FD005		FD016		S8-1		S8-2		S8-3		S8-4		S8-5		S8-6		S8-7		S8-8		S8-9		S8-10		S8-11		S8-12		S8-13		S8-14		S8-15		S8-16		S8-17		S8-18		S8-19		S8-20		S8-21		S8-22		S8-23		S8-24		S8-25		S8-26		S8-27		S8-28		S8-29		S8-30		S8-31		S8-32		S8-33		S8-34		S8-35		S8-36		S8-37		S8-38		S8-39		S8-40		S8-41		S8-42		S8-43		S8-44		S8-45		S8-46		S8-47		S8-48		S8-49		S8-50		S8-51		S8-52		S8-53		S8-54		S8-55		S8-56		S8-57		S8-58		S8-59		S8-60		S8-61		S8-62		S8-63		S8-64		S8-65		S8-66		S8-67		S8-68		S8-69		S8-70		S8-71		S8-72		S8-73		S8-74		S8-75		S8-76		S8-77		S8-78		S8-79		S8-80		S8-81		S8-82		S8-83		S8-84		S8-85		S8-86		S8-87		S8-88		S8-89		S8-90		S8-91		S8-92		S8-93		S8-94		S8-95		S8-96		S8-97		S8-98		S8-99		S8-100		S8-101		S8-102		S8-103		S8-104		S8-105		S8-106		S8-107		S8-108		S8-109		S8-110		S8-111		S8-112		S8-113		S8-114		S8-115		S8-116		S8-117		S8-118		S8-119		S8-120		S8-121		S8-122		S8-123		S8-124		S8-125		S8-126		S8-127		S8-128		S8-129		S8-130		S8-131		S8-132		S8-133		S8-134		S8-135		S8-136		S8-137		S8-138		S8-139		S8-140		S8-141		S8-142		S8-143		S8-144		S8-145		S8-146		S8-147		S8-148		S8-149		S8-150		S8-151		S8-152		S8-153		S8-154		S8-155		S8-156		S8-157		S8-158		S8-159		S8-160		S8-161		S8-162		S8-163		S8-164		S8-165		S8-166		S8-167		S8-168		S8-169		S8-170		S8-171		S8-172		S8-173		S8-174		S8-175		S8-176		S8-177		S8-178		S8-179		S8-180		S8-181		S8-182		S8-183		S8-184		S8-185		S8-186		S8-187		S8-188		S8-189		S8-190		S8-191		S8-192		S8-193		S8-194		S8-195		S8-196		S8-197		S8-198		S8-199		S8-200		S8-201		S8-202		S8-203		S8-204		S8-205		S8-206		S8-207		S8-208		S8-209		S8-210		S8-211		S8-212		S8-213		S8-214		S8-215		S8-216		S8-217		S8-218		S8-219		S8-220		S8-221		S8-222		S8-223		S8-224		S8-225		S8-226		S8-227		S8-228		S8-229		S8-230		S8-231		S8-232		S8-233		S8-234		S8-235		S8-236		S8-237		S8-238		S8-239		S8-240		S8-241		S8-242		S8-243		S8-244		S8-245		S8-246		S8-247		S8-248		S8-249		S8-250		S8-251		S8-252		S8-253		S8-254		S8-255		S8-256		S8-257		S8-258		S8-259		S8-260		S8-261		S8-262		S8-263		S8-264		S8-265		S8-266		S8-267		S8-268		S8-269		S8-270		S8-271		S8-272		S8-273		S8-274		S8-275		S8-276		S8-277		S8-278		S8-279		S8-280		S8-281		S8-282		S8-283		S8-284		S8-285		S8-286		S8-287		S8-288		S8-289		S8-290		S8-291		S8-292		S8-293		S8-294		S8-295		S8-296		S8-297		S8-298		S8-299		S8-300		S8-301		S8-302		S8-303		S8-304		S8-305		S8-306		S8-307		S8-308		S8-309		S8-310		S8-311		S8-312		S8-313		S8-314		S8-315		S8-316		S8-317		S8-318		S8-319		S8-320		S8-321		S8-322		S8-323		S8-324		S8-325		S8-326		S8-327		S8-328		S8-329		S8-330		S8-331		S8-332		S8-333		S8-334		S8-335		S8-336		S8-337		S8-338		S8-339		S8-340		S8-341		S8-342		S8-343		S8-344		S8-345		S8-346		S8-347		S8-348		S8-349		S8-350		S8-351		S8-352		S8-353		S8-354		S8-355		S8-356		S8-357		S8-358		S8-359		S8-360		S8-361		S8-362		S8-363		S8-364		S8-365		S8-366		S8-367		S8-368		S8-369		S8-370		S8-371		S8-372		S8-373		S8-374		S8-375		S8-376		S8-377		S8-378		S8-379		S8-380		S8-381		S8-382		S8-383		S8-384		S8-385		S8-386		S8-387		S8-388		S8-389		S8-390		S8-391		S8-392		S8-393		S8-394		S8-395		S8-396		S8-397		S8-398		S8-399		S8-400		S8-401		S8-402		S8-403		S8-404		S8-405		S8-406		S8-407		S8-408		S8-409		S8-410		S8-411		S8-412		S8-413		S8-414		S8-415		S8-416		S8-417		S8-418		S8-419		S8-420		S8-421		S8-422		S8-423		S8-424		S8-425		S8-426		S8-427		S8-428		S8-429		S8-430		S8-431		S8-432		S8-433		S8-434		S8-435		S8-436		S8-437		S8-438		S8-439		S8-440		S8-441		S8-442		S8-443		S8-444		S8-445		S8-446		S8-447		S8-448		S8-449		S8-450		S8-451		S8-452		S8-453		S8-454		S8-455		S8-456		S8-457		S8-458		S8-459		S8-460		S8-461		S8-462		S8-463		S8-464		S8-465		S8-466		S8-467		S8-468		S8-469		S8-470		S8-471		S8-472		S8-473		S8-474		S8-475		S8-476		S8-477		S8-478		S8-479		S8-480		S8-481		S8-482		S8-483		S8-484		S8-485		S8-486		S8-487		S8-488		S8-489		S8-490		S8-491		S8-492		S8-493		S8-494		S8-495		S8-496		S8-497		S8-498		S8-499		S8-500		S8-501		S8-502		S8-503		S8-504		S8-505		S8-506		S8-507		S8-508		S8-509		S8-510		S8-511		S8-512		S8-513		S8-514		S8-515		S8-516		S8-517		S8-518		S8-519		S8-520		S8-521		S8-522		S8-523		S8-524		S8-525		S8-526		S8-527		S8-528		S8-529		S8-530		S8-531		S8-532		S8-533		S8-534		S8-535		S8-536		S8-537		S8-538		S8-539		S8-540		S8-541		S8-542		S8-543		S8-544		S8-545		S8-546		S8-547		S8-548		S8-549		S8-550		S8-551		S8-552		S8-553		S8-554		S8-555		S8-556		S8-557		S8-558		S8-559		S8-560		S8-561		S8-562		S8-563		S8-564		S8-565		S8-566		S8-567		S8-568		S8-569		S8-570		S8-571		S8-572		S8-573		S8-574		S8-575		S8-576		S8-577		S8-578		S8-579		S8-580		S8-581		S8-582		S8-583		S8-584		S8-585		S8-586		S8-587		S8-588		S8-589		S8-590		S8-591		S8-592		S8-593		S8-594		S8-595		S8-596		S8-597		S8-598		S8-599		S8-600		S8-601		S8-602		S8-603		S8-604		S8-605		S8-606		S8-607		S8-608		S8-609		S8-610		S8-611		S8-612		S8-613		S8-614		S8-615		S8-616		S8-617		S8-618		S8-619		S8-620		S8-621		S8-622		S8-623		S8-624		S8-625		S8-626		S8-627		S8-628		S8-629		S8-630		S8-631		S8-632		S8-633		S8-634		S8-635		S8-636		S8-637		S8-638		S8-639		S8-640		S8-641		S8-642		S8-643		S8-644		S8-645		S8-646		S8-647		S8-648		S8-649		S8-650		S8-651		S8-652		S8-653		S8-654		S8-655		S8-656		S8-657		S8-658		S8-659		S8-660		S8-661		S8-662		S8-663		S8-664		S8-665		S8-666		S8-667		S8-668		S8-669		S8-670		S8-671		S8-672		S8-673		S8-674		S8-675		S8-676		S8-677		S8-678		S8-679		S8-680		S8-681		S8-682		S8-683		S8-684		S8-685		S8-686		S8-687		S8-688		S8-689		S8-690		S8-691		S8-692		S8-693		S8-694		S8-695		S8-696		S8-697		S8-698		S8-699		S8-700		S8-701		S8-702		S8-703		S8-704		S8-705		S8-706		S8-707		S8-708		S8-709		S8-710		S8-711		S8-712		S8-713		S8-714		S8-715		S8-716		S8-717		S8-718		S8-719		S8-720		S8-721		S8-722		S8-723		S8-724		S8-725		S8-726		S8-727		S8-728		S8-729		S8-730		S8-731		S8-732		S8-733		S8-734		S8-735		S8-736		S8-737		S8-738		S8-739		S8-740		S8-741		S8-742		S8-743		S8-744		S8-745		S8-746		S8-747		S8-748		S8-749		S8-750		S8-751		S8-752		S8-753		S8-754		S8-755		S8-756		S8-757		S8-758		S8-759		S8-760		S8-761		S8-762		S8-763		S8-764		S8-765		S8-766		S8-767		S8-768		S8-769		S8-770		S8-771		S8-772		S8-773		S8-774		S8-775		S8-776		S8-777		S8-778		S8-779		S8-780		S8-781		S8-782		S8-783		S8-784		S8-785		S8-786		S8-787		S8-788		S8-789		S8-790		S8-791		S8-792		S8-793		S8-794		S8-795		S8-796		S8-797		S8-798		S8-799		S8-800		S8-801		S8-802		S8-803		S8-804		S8-805		S8-806		S8-807		S8-808		S8-809		S8-810		S8-811		S8-812		S8-813		S8-814		S8-815		S8-816		S8-817		S8-818		S8-819		S8-820		S8-821		S8-822		S8-823		S8-824		S8-825		S8-826		S8-827		S8-828		S8-829		S8-830		S8-831		S8-832		S8-833		S8-834		S8-835		S8-836		S8-837		S8-838		S8-839		S8-840		S8-841		S8-842		S8-843		S8-844		S8-845		S8-846		S8-847		S8-848		S8-849		S8-850		S8-851		S8-852		S8-853		S8-854		S8-855		S8-856		S8-857		S8-858		S8-859		S8-860		S8-861		S8-862		S8-863		S8-864		S8-865		S8-866		S8-867		S8-868		S8-869		S8-870		S8-871		S8-872		S8-873		S8-874		S8-875		S8-876		S8-877		S8-878		S8-879		S8-880		S8-881		S8-882		S8-883		S8-884		S8-885		S8-886	

Notes

(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

b - For constituents where the calculated SCO was lower than the contract required quantitation limit (CROL), the CROL is used as the Track 1 SCO value.

c - For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the department and department of health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site.

f- protection of ecological resources SCOs were not developed for contaminants identified in Table 375-6.8(b) with "NS". Where such contaminants appear in Table 375-6.8(a), the applicant may be required by the Department to calculate a protection of ecological resources SCO according to the TSD

(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restricted Use of Soil Cleanup Objective Table 375-6.8b 12/06

a - The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 ppm. See TSD section 9.3.

c - The SCOs for industrial use and protection of groundwater were capped at a maximum value of 1,000 ppm. See TSD section 9.3.

e - For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the SCO value

f - For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the department and dep

NS - No Standard

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported

3 - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Highlighted text denotes concentrations exceeding NYSDEC Restricted-Residential

Highlighted text denotes concentrations exceeding NYSDEC Protection of Groundwater SCO

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Table 7
Soil Sample Analytical Data Summary
Total Metals
EPA Method 6010

Client Sample ID:	NYSDEC ⁽¹⁾				NYSDEC ⁽²⁾				NYSDEC ⁽³⁾				FD005		FD016		SB009		SB010		SB011		SB012		SB013		SB014		SB015		SB016		SB017		SB018		SB019		SB020		SB021		SB022		SB023																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Sample Depth:	Soil Cleanup Objectives				Soil Cleanup Objectives				Soil Cleanup Objectives				2-2.5'		7-7.5'		(4-6)		(8-10')		(0-2')		(14-16')		(8-10')		(0-2')		(6-8')		(0-2)		(6-8)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12)		(0-2)		(6-8)		(10-12	

Notes:

(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

c - For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the department and department of health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site.

e - The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.

(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restrictd Use of Soil Cleanup Objective Table 375-6.8b 12/06

d - The SCOs for metals were capped at a maximum value of 10,000 ppm. See TSD section 9.3.

f - For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the department and department of health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

j - The SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts). See TSD Table 5.6-1.

NS - No Standard

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Highlighted text denotes concentrations exceeding NYSDEC Restricted-Residential Use SCO

Table 8
Soil Sample Analytical Data Summary
Pesticides
EPA Method 8081 / PCBs EPA Method 8082

Client Sample ID:	NYSDEC ⁽¹⁾	NYSDEC ⁽¹⁾	NYSDEC ⁽¹⁾	FD006	FD016	SB009	SB010	SB011	SB012	SB013	SB014	SB015	SB016	SB017	SB018	SB019	SB020	SB021	SB022	SB023															
Sample Depth:	Soil Cleanup Objectives	Soil Cleanup Objectives	Soil Cleanup Objectives	2-2'5'	7-7'5'	(4-6')	(8-10')	(0-2')	(14-16')	(8-10')	(8-10')	(8-10')	(2-4')	(6-8')	(10-12')	(0-2')	(6-8')	(10-12')	(0-2')	(6-8')	(10-12')														
Laboratory ID:	Unrestricted Use	Restricted-Residential Use	Protection of Groundwater	L1315565-02	L1315565-01	L1223077-05	L1222284-05	L1223077-06	L1222284-01	L1222284-02	L1222284-03	L1222284-04 R1	L1222284-08	L1222284-07	L1223077-07	L1222284-06	L1313126-01	L1313126-02	L1313126-03	L1313126-04	L1313126-05	L1313126-06	L1313126-07	L1313126-08	L1313126-09	L1313126-10	L1313126-11	L1313126-12	L1313126-13	L1313126-14	L1313126-15	L1313126-16	L1313126-17	L1313126-27	
Sampling Date:	8/12/2013	8/12/2013	12/19/2012	12/7/2012	12/19/2012	12/7/2012	12/7/2012	12/7/2012	12/7/2012	12/7/2012	12/7/2012	12/7/2012	12/19/2012	12/7/2012	7/11/2013	7/11/2013	7/11/2013	7/11/2013	7/11/2013	7/11/2013	7/11/2013	7/11/2013	7/11/2013	7/11/2013	7/11/2013	7/11/2013	7/11/2013	7/11/2013	7/11/2013	7/11/2013	7/11/2013	7/11/2013	7/11/2013		
Organochlorine Pesticides (mg/kg)																																			
4,4'-DDD	0.0033 ^b	8.9	14	0.0027 U	0.0116 U	0.0184 U	0.0898 U	0.00179 U	0.00184 U	0.00176 U	0.00181 U	0.00177 UJ	0.00197 U	0.00196 U	0.00872 U	0.0897 U	0.00842 U	0.00173 U	0.0196 U	0.00176 U	0.00184 U	0.00182 U	0.00179 U	0.0019 U	0.0353 U	0.0348 U	0.00836 U	0.0387 U	0.00869 U	0.013 U	0.178 U	0.00853 U	0.00898 U	0.00199 U	0.00934 U
4,4'-DDE	0.0033 ^b	13	17	0.0027 U	0.0116 U	0.00776 J	0.0898 U	0.00179 U	0.00184 U	0.00176 U	0.00181 U	0.00177 UJ	0.00197 U	0.00196 U	0.00872 U	0.0897 U	0.00758 J	0.00173 U	0.0196 U	0.00479 J	0.00184 U	0.00182 U	0.00328 U	0.0019 U	0.0353 U	0.0348 U	0.00836 U	0.0387 U	0.003 J	0.013 U	0.178 U	0.0032 J	0.00603 J	0.00199 U	0.00934 U
4,4'-DDT	0.0033 ^b	7.9	136	0.00421 J	0.0123 J	0.0346 U	0.168 U	0.00336 U	0.00344 U	0.00329 U	0.00339 U	0.00331 UJ	0.0196 J	0.00367 U	0.0163 U	0.168 U	0.0158 U	0.00325 U	0.0368 U	0.00329 U	0.00346 U	0.00342 U	0.00336 U	0.00356 U	0.0662 U	0.0653 U	0.0157 U	0.0726 U	0.0163 U	0.0244 U	0.334 U	0.016 U	0.0168 U	0.00372 U	0.0175 U
Aldrin	0.005 ^c	0.097	0.19	0.0027 U	0.0116 U	0.0184 U	0.0898 U	0.00179 U	0.00184 U	0.00176 U	0.00181 U	0.00177 UJ	0.00197 U	0.00196 U	0.00872 U	0.0897 U	0.00842 U	0.00173 U	0.0196 U	0.00176 U	0.00184 U	0.00182 U	0.00179 U	0.0019 U	0.0353 U	0.0348 U	0.00836 U	0.0387 U	0.00869 U	0.013 U	0.178 U	0.00853 U	0.00898 U	0.00199 U	0.00934 U
Alpha-BHC	0.02	0.48	0.02	0.00112 U	0.00486 U	0.00768 U	0.0419 U	0.000747 U	0.000765 U	0.000732 U	0.000754 U	0.000736 UJ	0.000822 U	0.000815 U	0.00363 U	0.0299 J	0.00351 U	0.000722 U	0.00818 U	0.000512 J	0.000768 U	0.000759 U	0.000747 U	0.000792 U	0.0147 U	0.0145 U	0.00348 U	0.0161 U	0.00362 U	0.00541 U	0.0742 U	0.00355 U	0.00374 U	0.000828 U	0.00389 U
Beta-BHC	0.036	0.36	0.09	0.0027 U	0.0116 U	0.0184 U	0.0898 U	0.00179 U	0.00184 U	0.00176 U	0.00181 U	0.00177 UJ	0.00197 U	0.00196 U	0.00872 U	0.0897 U	0.00842 U	0.00173 U	0.0196 U	0.00176 U	0.00184 U	0.00182 U	0.00179 U	0.0019 U	0.0353 U	0.0348 U	0.00836 U	0.0387 U	0.00869 U	0.013 U	0.178 U	0.00853 U	0.00898 U	0.00199 U	0.00934 U
Chlordane	0.094	4.2	2.9	0.0219 U	0.0947 U	0.15 U	0.73 U	0.0146 U	0.0149 U	0.0143 U	0.0147 U	0.0144 UJ	0.016 U	0.0159 U	0.0708 U	0.729 U	0.0684 U	0.0141 U	0.159 U	0.0143 U	0.015 U	0.0148 U	0.0146 U	0.0154 U	0.287 U	0.283 U	0.0679 U	0.314 U	0.0706 U	0.106 U	1.45 U	0.0693 U	0.073 U	0.0161 U	0.0758 U
cis-Chlordane	0.094	4.2	2.9	0.00338 U	0.0146 U	0.023 U	0.112 U	0.00224 U	0.0023 U	0.0022 U	0.00226 U	0.00221 UJ	0.00247 U	0.00244 U	0.0109 U	0.112 U	0.0105 U	0.00216 U	0.00221 U	0.00224 U	0.00228 U	0.00224 U	0.00238 U	0.0442 U	0.0436 U	0.0104 U	0.0484 U	0.0109 U	0.0162 U	0.222 U	0.0107 U	0.0112 U	0.00248 U	0.0117 U	
Delta-BHC ^a	0.04	100 ^a	0.25	0.0027 U	0.0116 U	0.0184 U	0.0898 U	0.00179 U	0.00184 U	0.00176 U	0.00181 U	0.00657 J	0.00197 U	0.00196 U	0.00872 U	0.0897 U	0.00842 U	0.00173 U	0.0196 U	0.00176 U	0.00184 U	0.00182 U	0.00179 U	0.0019 U	0.0353 U	0.0348 U	0.00836 U	0.0387 U	0.00869 U	0.013 U	0.178 U	0.00853 U	0.00898 U	0.00199 U	0.00934 U
Dieldrin	0.005 ^c	0.2	0.1	0.00169 U	0.00728 U	0.0115 U	0.0561 U	0.00112 U	0.00115 U	0.0011 U	0.00113 U	0.0011 UJ	0.00123 U	0.00122 U	0.00545 U	0.0561 U	0.00526 U	0.00108 U	0.0123 U	0.00172 U	0.00115 U	0.00114 U	0.00112 U	0.00119 U	0.0221 U	0.0218 U	0.00522 U	0.0242 U	0.00543 U	0.00812 U	0.111 U	0.00533 U	0.00562 U	0.00124 U	0.00583 U
Endosulfan I ^(1,2)	2.4	24 ^a	102	0.0027 U	0.0116 U	0.0184 U	0.0898 U	0.00179 U	0.00184 U	0.00176 U	0.00181 U	0.00177 UJ	0.00197 U	0.00196 U	0.00872 U	0.0897 U	0.00842 U	0.00173 U	0.0196 U	0.00176 U	0.00184 U	0.00182 U	0.00179 U	0.0019 U	0.0353 U	0.0348 U	0.00836 U	0.0387 U	0.00869 U	0.013 U	0.178 U	0.00853 U	0.00898 U	0.00199 U	0.00934 U
Endosulfan II ^(1,2)	2.4	24 ^a	102	0.0027 U	0.0116 U	0.0184 U	0.0898 U	0.00179 U	0.00184 U	0.00176 U	0.00181 U	0.00177 UJ	0.00197 U	0.00196 U	0.00872 U	0.0897 U	0.00842 U	0.00173 U	0.0196 U	0.00176 U	0.00184 U	0.00182 U	0.00179 U	0.0019 U	0.0353 U	0.0348 U	0.00836 U	0.0387 U	0.00869 U	0.013 U	0.178 U	0.00853 U	0.00898 U	0.00199 U	0.00934 U
Endosulfan sulfate ^(1,2)	2.4	24 ^a	1,000 ^a	0.00112 U	0.00486 U	0.00768 U	0.0374 U	0.000747 U	0.000765 U	0.000732 U	0.000754 U	0.000736 UJ	0.000822 U	0.000815 U	0.00363 U	0.0374 U	0.00351 U	0.000722 U	0.00818 U	0.000732 U	0.000768 U	0.000759 U	0.000747 U	0.000792 U	0.0147 U	0.0145 U	0.00348 U	0.0161 U	0.00362 U	0.00541 U	0.0742 U	0.00355 U	0.00374 U	0.000828 U	0.00389 U
Endrin	0.014	11	0.06	0.00112 U	0.00486 U	0.00768 U	0.0374 U	0.000747 U	0.000765 U	0.000732 U	0.000754 U	0.000736 UJ	0.000822 U	0.000815 U	0.00363 U	0.0374 U	0.00351 U	0.000722 U	0.00818 U	0.000732 U	0.000768 U	0.000759 U	0.000747 U	0.000792 U	0.0147 U	0.0145 U	0.00348 U	0.0161 U	0.0029 J	0.00541 U	0.0742 U	0.00355 U	0.00374 U	0.000828 U	0.00389 U
Endrin ketone	NS	NS	NS	0.0027 U	0.0116 U	0.0184 U	0.0898 U	0.00179 U	0.00184 U	0.00176 U	0.00181 U	0.00177 UJ	0.00197 U	0.00196 U	0.00872 U	0.0897 U	0.00842 U	0.00173 U	0.0196 U	0.00176 U	0.00184 U	0.00182 U	0.00179 U	0.0019 U	0.0353 U	0.0348 U	0.00836 U	0.0387 U	0.00869 U	0.013 U	0.178 U	0.00853 U	0.00898 U	0.00199 U	0.00934 U
Heptachlor	0.042	2.1	0.38	0.00135 U	0.00583 U	0.00922 U	0.0449 U	0.000896 U	0.000918 U	0.000878 U	0.000905 U	0.000883 UJ	0.000987 U	0.000978 U	0.00436 U	0.0448 U	0.00421 U	0.000866 U	0.00981 U	0.000878 U	0.000922 U	0.000911 U	0.000896 U	0.000951 U	0.0177 U	0.0174 U	0.00418 U	0.0194 U	0.00435 U	0.00649 U	0.089 U	0.00426 U	0.00449 U	0.000993 U	0.00467 U
Heptachlor epoxide	NS	NS	0.02	0.00506 U	0.0218 U	0.0346 U	0.168 U	0.00336 U	0.00344 U	0.00329 U	0.00339 U	0.00331 UJ	0.0037 U	0.00367 U	0.0163 U	0.168 U	0.0158 U	0.00325 U	0.0368 U	0.00329 U	0.00346 U	0.00342 U	0.00336 U	0.00356 U	0.0662 U	0.0653 U	0.0157 U	0.0726 U	0.0163 U	0.0244 U	0.334 U	0.016 U	0.0168 U	0.00372 U	0.0175 U
Lindane	0.1	1.3	0.1	0.00112 U	0.00486 U	0.00768 U	0.0374 U	0.000747 U	0.000765 U	0.000732 U	0.000754 U	0.000736 UJ	0.000822 U	0.000815 U	0.00363 U	0.0374 U	0.00351 U	0.000722 U	0.00818 U	0.000732 U	0.000768 U	0.000759 U	0.000747 U	0.000792 U	0.0147 U	0.0145 U	0.00348 U	0.0161 U	0.00362 U	0.00541 U	0.0742 U	0.00355 U	0.00374 U	0.000828 U	0.00389 U
Methoxychlor	NS	NS	900	0.00506 U	0.0218 U	0.0346 U	0.168 U	0.00336 U	0.00344 U	0.00329 U	0.00339 U	0.00331 UJ	0.0037 U	0.00367 U	0.0163 U	0.168 U	0.0158 U	0.00325 U	0.0368 U	0.00329 U	0.00346 U	0.00342 U	0.00336 U	0.00356 U	0.0662 U	0.0653 U	0.0157 U	0.0726 U	0.0163 U	0.0244 U	0.334 U	0.016 U	0.0168 U	0.00372 U	0.0175 U
Toxaphene	NS	NS	NS	0.0506 U	0.218 U	0.346 U	1.68 U	0.0336 U	0.0344 U	0.0329 U	0.0339 U	0.0331 UJ	0.037 U	0.0367 U	0.163 U	1.68 U	0.158 U	0.0325 U	0.0368 U	0.0329 U	0.0346 U	0.0342 U	0.0336 U	0.0356 U	0.662 U	0.653 U	0.157 U	0.726 U	0.163 U	0.244 U	3.34 U	0.16 U	0.168 U	0.0372 U	0.175 U
trans-Chlordane	NS	NS	NS	0.00338 U	0.0146 U	0.023 U	0.112 U	0.00224 U	0.0023 U	0.0022 U	0.00226 U	0.00221 UJ	0.00247 U	0.00244 U	0.0109 U	0.112 U	0.0105 U	0.00216 U	0.00221 U	0.00224 U	0.00228 U	0.00224 U	0.00238 U	0.0442 U	0.0436 U	0.0104 U	0.0484 U	0.0109 U	0.0162 U	0.222 U	0.0107 U	0.0112 U	0.00248 U	0.0117 U	
Polychlorinated Biphenyls (mg/kg)																																			
Aroclor 1016	0.1	1	3.2	0.0557 U	0.047 U	0.0373 U	0.0394 U	0.0374 U	0.0387 U	0.0373 U	0.0376 U	0.0378 U	0.0427 U	0.0412 U	0.0358 U	0.0733 U	0.0349 U	0.0356 U	0.0386 U	0.037 U	0.0373 U	0.038 U	0.0372 U	0.0392 U	0.0364 U	0.0359 U	0.0345 U	0.0404 U	0.0371 U	0.0532 U	0.0376 U	0.0342 U	0.0363 U	0.0412 U	0.03.

Table 9
Groundwater Analytical Data Summary
Volatile Organic Compounds
EPA Method 8260

Client Sample ID:	NYSDEC ⁽¹⁾	GW-1	GW-2	GW-3	GW011	GW013	MW001	MW003	MW004	OB003	SB020 (GW)	SB021 (GW)	SB022 (GW)
Laboratory ID:	GQS	L265126-07	L265126-08	L265126-09	L1222284-09	L1222284-10	L1223077-01	L1223077-02	L1314810-02	L1314810-01	L1313126-21	L1313126-22	L1313126-23
Sampling Date:		12/28/2006	12/28/2006	12/28/2006	12/7/2012	12/7/2012	12/19/2012	12/19/2012	8/2/2013	8/2/2013	7/11/2013	7/11/2013	7/11/2013
Volatile Organic Compounds (µg/L)													
1,1,1,2-Tetrachloroethane	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5 ^a	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5 ^a	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5 ^a	1 U	1 U	1 U	2 U	2 U	7.4	3.8	2 UJ	1.6 J	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	-	-	-	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane	NS	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethylbenzene	NS	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,4-Dioxane	NS	-	-	-	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U
2,2-Dichloropropane	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
2-Butanone	50*	10 U	10 U	10 U	4.4 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50*	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Ethyltoluene	NS	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Methyl-2-pentanone	NS	-	-	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50*	10 U	52	19	31	3.4 J	2.2 J	1.3 J	5 U	5 U	5 U	11	26 J
Acrylonitrile	5 ^a	-	-	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	1 U	1 U	1 U	0.22 J	0.2 J	0.5 U	0.5 U	0.5 U	9.7	0.5 U	0.5 U	0.5 U
Bromobenzene	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50*	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50*	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
Carbon disulfide	60*	-	-	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	NS	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	0.4	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50*	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5 ^a	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5 ^a	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethyl ether	NS	-	-	-	2.5 U	2.5 U	1.6 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	3.4	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.8 J	2.5 U	2.5 U	2.5 U
Methyl tert butyl ether	10*	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylene chloride	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10*	1 U	1 U	7	5.1	30	0.76 J	2.2 J	2.5 U	2.5 U	0.9 J	2.5 UJ	2.5 U
n-Butylbenzene	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.72 J	2.5 U	2.5 U	2.5 U
n-Propylbenzene	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	3	2.5 U	2.5 U	2.5 U
o-Chlorotoluene	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.1 J	2.5 U	2.5 U	2.5 U
p/m-Xylene	5 ^a	2 U	2 U	2 U	2.5 U	2.5 U	0.88 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Chlorotoluene	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Isopropyltoluene	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5	2.5 U	2.5 U	2.5 U
sec-Butylbenzene	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	4	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.71 J	2.5 U	2.5 U	2.5 U
tert-Butylbenzene	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2 J	2.5 U	2.5 U	0.77 J	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5 ^a	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	4.2	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	0.4	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	NS	-	-	-	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethene	5 ^a	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.7 J
Trichlorofluoromethane	5 ^a	1 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate	NS	-	-	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:

(1) 6NYCRR Part 703.5 GA Groundwater Quality Standards and Guidance Values 6/1998

* Guidance Value

a - The principal organic contaminant standard for groundwater of 5 µg/L applies to this substance.

NS - No Standard

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

Highlighted values indicate exceedance of the NYSDEC GQS

Table 10
Groundwater Analytical Data Summary
Semi-Volatile Organic Compounds
EPA Method 8270

Client Sample ID:	NYSDEC ⁽¹⁾	GW-1	GW-2	GW-3	GW011	GW013	MW001	MW003	MW004	MW005	OB003	SB020 (GW)	SB021 (GW)	SB022 (GW)
Laboratory ID:	GQS	L265126-07	L265126-08	L265126-09	L1222284-09	L1222284-10	L1223077-01	L1223077-02	L1314810-02	L1318554-01	L1314810-01	L1313126-21	L1313126-22	L1313126-23
Sampling Date:		12/28/2006	12/28/2006	12/28/2006	12/7/2012	12/7/2012	12/19/2012	12/19/2012	8/2/2013	9/18/2013	8/2/2013	7/11/2013	7/11/2013	7/11/2013
Semi-Volatile Organic Compounds (µg/L)														
1,2,4,5-Tetrachlorobenzene	5 ^a	-	-	-	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5 ^a	1 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	100 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	3	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	40 U	2 U	2 U	2 U	2 U
1,3-Dichlorobenzene	3	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	40 U	2 U	2 U	2 U	2 U
1,4-Dichlorobenzene	3	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	40 U	2 U	2 U	2 U	2 U
2,4,5-Trichlorophenol	1	-	-	-	5 U	5 U	5 U	5 U	5 U	100 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	1	-	-	-	5 U	5 U	5 U	5 U	5 U	100 U	5 U	5 U	5 U	5 U
2,4-Dichlorophenol	1	-	-	-	5 U	5 U	5 U	5 U	5 U	100 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	50*	-	-	-	5 U	5 U	5 U	5 U	5 UJ	100 U	5 U	5 U	5 U	5 U
2,4-Dinitrophenol	10*	-	-	-	20 U	20 U	20 U	20 U	20 UJ	400 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	5 ^a	1 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	100 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	5 ^a	1 U	2 U	2 U	5 U	5 U	5 U	5 U	5 UJ	100 U	5 U	5 U	5 U	5 U
2-Chloronaphthalene	10*	1 U	2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	10 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	1	-	-	-	2 U	2 U	2 U	2 U	2 U	40 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene	NS	1 U	2 U	2 U	0.45	3.8	0.54	0.53	0.29	2,200	0.35	0.2 U	0.2 U	0.2 U
2-Methylphenol	1	-	-	-	5 U	0.56 J	5 U	5 U	5 U	100 U	5 U	5 U	5 U	5 U
2-Nitroaniline	5 ^a	1 U	2 U	2 U	5 U	5 U	5 U	5 U	5 UJ	100 U	5 U	5 U	5 U	5 U
2-Nitrophenol	1	-	-	-	10 U	10 U	10 U	10 U	10 UJ	200 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5 ^a	10 U	10 U	20 U	5 U	5 U	5 U	5 U	5 U	100 U	5 U	5 UJ	5 U	5 U
3-Methylphenol/4-Methylphenol	1	-	-	-	5 U	1.3 J	5 U	5 U	5 UJ	100 U	5 U	5 U	5 U	5 U
3-Nitroaniline	5 ^a	1 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	100 U	5 U	5 U	5 U	5 U
4,6-Dinitro- o- cresol	NS	-	-	-	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
4-Bromophenyl phenyl ether	NS	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	40 U	2 U	2 U	2 U	2 U
4-Chloroaniline	NS	1 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	100 U	5 U	5 U	5 U	5 U
4-Chlorophenyl phenyl ether	NS	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	40 U	2 U	2 U	2 U	2 U
4-Nitroaniline	5 ^a	1 U	2 U	2 U	5 U	5 U	5 U	5 U	5 UJ	100 U	5 U	5 U	5 U	5 U
4-Nitrophenol	1	-	-	-	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
Acenaphthene	20*	1 U	2 U	6.9	0.48	3.2	0.97	1.2	0.2 U	130	0.95	0.2 U	0.2 U	0.2 U
Acenaphthylene	NS	1 U	2 U	2 U	0.06 J	0.49	0.2 U	0.2 U	0.2 U	67	0.2 U	0.2 U	0.2 U	0.2 U
Acetophenone	NS	-	-	-	5 U	5 U	5 U	5 U	5 U	100 U	5 U	5 U	5 U	5 U
Anthracene	50*	1.8	2 U	12	0.17 J	1	0.5	0.36	0.07 J	50	0.16 J	0.2 U	0.2 U	0.26
Benzo(a)anthracene	0.002*	6.6	3.1	17	0.2	0.91	0.19 J	0.2 U	0.2 U	32	0.2 U	0.36	0.25	0.2 U
Benzo(a)pyrene	ND	7.1	1.3	14	0.13 J	0.76	0.08 J	0.2 U	0.2 U	23	0.2 U	0.71	0.61	0.2 U
Benzo(b)fluoranthene	0.002*	9.3	2.9	16	0.17 J	1.1	0.12 J	0.2 U	0.2 U	11	0.2 U	1.5	0.84	0.2 U
Benzo(ghi)perylene	NS	3.2	2 U	6.2 U	0.07 J	0.54	0.2 U	0.2 U	0.2 U	14	0.2 U	1.6	0.74	0.2 U
Benzo(k)fluoranthene	0.002*	3	2 U	6.7	0.09 J	0.49	0.2 U	0.2 U	0.2 U	10 U	0.2 U	0.51	0.34	0.2 U
Benzoic Acid	NS	-	-	-	50 U	12 J	12 J	50 U	50 U	1000 U	50 U	50 U	50 U	50 U
Benzyl Alcohol	NS	-	-	-	2 U	2 U	2 U	2 U	2 UJ	40 U	2 U	2 U	2 U	2 U
Biphenyl	5 ^a	-	-	-	2 U	2 U	2 U	2 U	2 U	40 U	2 U	2 U	2 U	2 U
Bis(2-chloroethoxy)methane	5 ^a	1 U	2 U	2 U	5 U	5 U	5 U	5 U	5 UJ	100 U	5 U	5 U	5 U	5 U
Bis(2-chloroethyl)ether	1	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	40 U	2 U	2 U	2 U	2 U
Bis(2-chloroisopropyl)ether	NS	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	40 U	2 U	2 U	2 U	2 U
Bis(2-Ethylhexyl)phthalate	5	1 U	2 U	2 U	3 U	3 U	3 U	3 U	3 U	60 U	3 U	3 U	3 U	3 U
Butyl benzyl phthalate	50*	1 U	2 U	2 U	5 U	5 U	5 U	5 U	5 UJ	100 U	5 U	5 U	5 U	5 U
Carbazole	NS	1 U	2 U	3.9	2 U	2.7	2 U	2 U	2 U	40 U	2 U	2 U	2 U	2 U
Chrysene	0.002*	6.5	3.2	17	0.17 J	1	0.21	0.06 J	0.2 U	49	0.2 U	0.39	0.28	0.2 U
Dibenzo(a,h)anthracene	NS	1 U	2 U	2	0.2 U	0.13 J	0.2 U	0.2 U	0.2 U	10 U	0.2 U	0.30	0.2 U	0.2 U
Dibenzofuran	NS	1 U	2 U	4.6	2 U	2.1	2 U	2 U	2 U	40 U	2 U	2 U	2 U	2 U
Diethyl phthalate	50*	1 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	100 U	5 U	5 U	5 U	5 U
Dimethyl phthalate	50*	1 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	100 U	5 U	5 U	5 U	5 U
Di-n-butylphthalate	50	1 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	100 U	5 U	5 U	5 U	5 U
Di-n-octylphthalate	50*	1 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	100 U	5 U	5 U	5 U	5 U
Fluoranthene	50*	9.7	4.9	33	0.48	2.7	0.87	0.44	0.2 U	50	0.2 U	0.5	0.32	0.2 U
Fluorene	50*	1 U	2 U	7.6	0.3	2.1	0.84	1.5	0.2 U	150	0.92	0.2 U	0.2 U	0.2 U
Hexachlorobenzene	0.04	1 U	2 U	2 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	40 U	0.8 U	0.8 U	0.8 U	0.8 U
Hexachlorobutadiene	0.5	1 U	2 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorocyclopentadiene	5 ^a	1 U	2 U	2 U	20 U	20 U	20 U	20 U	20 U	400 U	20 U	20 U	20 UJ	20 U
Hexachloroethane	5 ^a	1 U	2 U	2 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	40 U	0.8 U	0.8 U	0.8 U	0.8 U
Indeno(1,2,3-cd)Pyrene	0.002*	2.9	2 U	5.7	0.2 U	0.48	0.2 U	0.2 U	0.2 U	10 U	0.2 U	1.5	0.79	0.2 U
Isophorone	50*	1 U	2 U	2 U	5 U	5 U	5 U	5 U	5 UJ	100 U	5 U	5 U	5 U	5 U
Naphthalene	10*	1 U	2 U	4.8	2.4	20	1.3	0.97	0.2 U	170	1.2	0.26	0.34	0.2 U
Nitrobenzene	0.4	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	40 U	2 U	2 U	2 U	2 U
NitrosoDiPhenylAmine(NDPA)/DPA	50*	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	40 U	2 U	2 U	2 U	2 U
n-Nitrosodi-n-propylamine	NS	1 U	2 U	2 U	5 U	5 U	5 U	5 U	5 UJ	100 U	5 U	5 U	5 U	5 U
P-Chloro-M-Cresol	NS	-	-	-	2 U	2 U	2 U	2 U	2 U	40 U	2 U	2 U	2 U	2 U
Pentachlorophenol	1	-	-	-	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	40 U	0.8 U	0.8 U	0.8 UJ	0.8 U
Phenanthrene	50*	5.7	2.9	33	0.96	6.3	3	2.6	0.08 J	350	0.11 J	0.2 U	0.2 U	0.2 U
Phenol	1	-	-	-	5 U	5 U	5 U	5 U	5 U	100 U	5 U	5 U	5 U	5 U
Pyrene	50*	9.9	5.1	29	0.38	2.1	0.76	0.43	0.2 U	170	0.08 J	0.57	0.40	0.2 U

Notes:

(1) 6NYCRR Part 703.5 GA Groundwater Quality Standards and Guidance Values 6/1998

* Guidance Value

a - The principal organic contaminant standard for groundwater of 5 µg/L applies to this substance.

ND - Non-detect

NS - No Standard

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

Highlighted values indicate exceedance of the NYSDEC GQS

Table 11
Groundwater Analytical Data Summary
Metals (Total and Dissolved)
EPA Method 6010

Client Sample ID:	NYSDEC ⁽¹⁾	GW011		GW013		MW001		MW003		MW004		MW005		OB003		SB020 (GW)		SB021 (GW)		SB022 (GW)	
Laboratory ID:	AWQS	L1222284-09	L1222284-09	L1222284-10	L1222284-10	L1223077-01	L1223077-01	L1223077-02	L1223077-02	L1314810-02	L1314810-02	L1318554-01	L1318554-01	L1314810-01	L1314810-01	L1313126-21	L1313126-21	L1313126-22	L1313126-22	L1313126-23	L1313126-23
Sampling Date:		12/7/2012	12/7/2012	12/7/2012	12/7/2012	12/19/2012	12/19/2012	12/19/2012	12/19/2012	8/2/2013	8/2/2013	9/18/2013	9/18/2013	8/2/2013	8/2/2013	7/11/2013	7/11/2013	7/11/2013	7/11/2013	7/11/2013	7/11/2013
		TOTAL	DISSOLVED	TOTAL	DISSOLVED	TOTAL	DISSOLVED	TOTAL	DISSOLVED	TOTAL	DISSOLVED	TOTAL	DISSOLVED	TOTAL	DISSOLVED	TOTAL	DISSOLVED	TOTAL	DISSOLVED	TOTAL	DISSOLVED
Total Metals (µg/L)																					
Aluminum	NS	49,200	99 J	11,300	100 U	907	200 U	5,980	200 U	46.4	10 U	3,710	10 U	18,500	682	2,440 J	24.1	2,070	15.2 J	7,030	223
Antimony	3	5 U	4.4 JB	2.2 J	4.8 JB	10 U	30 U	3.1 J	3.4 J	6.79	8.68	0.54 J	0.72 J	1.53 U	0.5 U	16.26	15.08	10.06	8.49 J	7.48	3.78
Arsenic	25	11.1	4.5 J	47.3	2.1 J	6.9	10 U	8.4	5.7 J	1.5 U	1.5 U	9.26	1.17	8.93	3.26	16.24	5.46	52.25 J	5.35	15.31	1.16
Barium	1,000	2,140	293.7	1,279	165.5	165	70.6	577.8	296.2	82.55	74	208.7	142.5	276.6	133.4	126.9	83.80	147.0	112.7	178.6	45.72
Beryllium	3*	6.9	5 U	8.8	5 U	5 U	10 U	5 U	10 U	0.5 U	0.5 U	0.37 J	0.5 U	1.09	0.5 U	0.12 J	0.50 U	0.13 J	0.50 U	1.00 U	0.50 U
Cadmium	5	1.8 J	2 U	11.7	2 U	5 U	10 U	5 U	10 U	0.07 J	0.06 J	0.15 J	0.5 U	0.12 J	0.5 U	0.37	0.26	0.68	0.47	6.48	4.39
Calcium	NS	186,000	112,000	314,000	199,000	76,800	72,000	198,000	200,000	122,000	112,000	88,200	98,700	81,200	76,400	221,000 J	225,000 J	141,000	153,000	384,000	402,000
Chromium	50	84.9	2.7 J	294	10 U	6.1 J	20 U	17.3	20 U	1	0.41 J	12.46	1.45 J	60.91	2.1	7.01	2.79	7.65	1.84	53.00	2.41
Cobalt	NS	122.5	2.8 J	97.9	1.1 J	1.1 J	10 U	3.6 J	2.1 J	0.94	0.85	4.67	0.88	23.95	1.43	15.97	13.25	2.07	1.07	14.36	11.07
Copper	200	105	2.5 J	414.6	4.8 J	8 J	3.8 J	19.2	11.2 J	5.33	4.31	91.69	0.65 J	47.39	2.27	36.38	5.89	31.53 J	1.56	497.4	128.5
Iron	300	170,000	684	187,000	728	29,300	6,370	53,700	10,100	216	86.6	48,200	12,600	56,600	3,560	6,260 J	1,340	4,790 J	764	9,930	1,860
Lead	25	262.3	10 U	1,519	10 U	6.5 J	20 U	433.6	4.9 J	1.24	0.42 J	47.04	1 U	23.12	1.01	240.8	3.32	644.2 J	19.24 J	5,864	1,188
Magnesium	35,000*	39,400	23,900	42,500	5,650	25,300	24,000	55,000	54,600	7,640	6,720	25,400	30,600	8,830	4,940	17,300 J	18,200	7,340	6,980	16,600	15,000
Manganese	300	10,280	2,574	5,075	101.3	549	421.4	642.6	443	197.2	180.6	1,437	385.4	999	139.8	2,390	2,340	117.6 J	64.05 J	490.4	365.9
Mercury	0.7	124.6	0.1 J	107.4	0.2 U	0.2 U	0.2 U	0.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.09	0.20 U	3.38 J	0.20 U	163.7	1.92
Nickel	100	108.1	4.4 J	207.1	4.9 J	4.3 J	3.1 J	9.7	3 J	3.48	2.92	6.99	3.6	40.28	2.15	15.1	10.56	7.88	4.98	33.00	25.14
Potassium	NS	61,900	37,800	25,900	10,600	27,600	25,100	40,000	37,600	9,680	8,620	23,600	23,900	17,000	R	13,400	13,100	4,320	4,130	8,780	7,820
Selenium	10	7 J	12 J	27 J	14 J	50 U	100 U	50 U	100 U	1.22 J	5 U	0.91 J	0.32 J	0.66 J	5 U	8.64	9.05	3.99 J	3.57 J	10.4	7.30
Silver	50	2.3 J	4 U	1.5 J	4 U	5 U	10 U	5 U	18.1	0.5 U	0.5 U	0.25 J	0.5 U	0.5 U	0.5 U	0.43	0.40 U	0.40 U	0.40 U	1.51	0.40 U
Sodium	20,000	154,000	165,000	23,200	26,500	110,000	105,000	299,000	301,000	53,200	52,300	54,900	75,700	394,000	401,000	49,500 J	50,700 J	15,500	15,800	47,900	59,000
Thallium	0.5*	1 J	5 U	2.5 J	5 U	10 U	20 U	10 U	20 U	0.5 U	0.5 U	0.07 J	0.5 U	0.1 J	0.5 U	0.07 J	0.50 U	0.06 J	0.50 U	1.00 U	0.50 U
Vanadium	NS	123.2	2.3 J	285.2	1.6 J	50 U	100 U	16.2 J	5.4 J	1.59 J	5 U	29.28	0.17 J	70.94	5 U	7.69	5.00 U	5.88 J	0.92 J	15.28	0.50 U
Zinc	5,000*	448.6	20.1 J	39,180	25.3 J	15.3 J	200 U	33.5 J	200 U	29.55	24.41	105.9	30.58	54.69	10 U	945.8	691.2	1,124 J	908.6 J	2,434	1,346

Notes:
 (1) 6NYCRR Part 703.5 GA Groundwater Quality Standards and Guidance Values 6/1998
 * Guidance Value
 NS - No Standard
 U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 J - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
 J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
 R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.
 Highlighted values indicate exceedance of the NYSDEC GQS

Table 12
Groundwater Analytical Data Summary
Pesticides
EPA Method 8081 PCBs EPA Method 8082

Client Sample ID:	NYSDEC ⁽¹⁾	GW011	GW013	MW001	MW003	MW004	OB003	SB020 (GW)	SB021 (GW)	SB022 (GW)
Laboratory ID:	AWQS	L1222284-09	L1222284-10	L1223077-01	L1223077-02	L1314810-02	L1314810-01	L1313126-21	L1313126-22	L1313126-23
Sampling Date:		12/7/2012	12/7/2012	12/19/2012	12/19/2012	8/2/2013	8/2/2013	7/11/2013	7/11/2013	7/11/2013
Organochlorine Pesticides (µg/L)										
Delta-BHC	0.04	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Lindane	0.05	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Alpha-BHC	0.01	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Beta-BHC	0.04	0.02 U	0.02 U	0.01 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Heptachlor	0.04	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Aldrin	ND	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Heptachlor epoxide	0.03	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin	ND	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Endrin ketone	5 ^a	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Dieldrin	0.004	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
4,4'-DDE	0.2	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
4,4'-DDD	0.3	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
4,4'-DDT	0.2	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Endosulfan I	NS	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfan II	NS	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Endosulfan sulfate	NS	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Methoxychlor	35	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toxaphene	0.06	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-Chlordane	NS	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
trans-Chlordane	NS	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Chlordane	0.05	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Polychlorinated Biphenyls (µg/L)										
Aroclor 1016	0.09	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor 1221	0.09	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor 1232	0.09	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor 1242	0.09	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor 1248	0.09	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor 1254	0.09	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor 1260	0.09	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor 1262	0.09	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor 1264	0.09	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U

Notes:

(1) 6NYCRR Part 703.5 GA Groundwater Quality Standards and Guidance Values 6/1998

a - The principal organic contaminant standard for groundwater of 5 µg/L applies to this substance.

ND - Non-detect

NS - No Standard

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

Highlighted values indicate exceedance of the NYSDEC GQS

Table 13
Soil Vapor Sample Analytical Data Summary
Volatile Organic Compounds
EPA Method TO-15

Client Sample ID: Laboratory ID: Sampling Date:	USEPA Target Shallow Gas Concentrations ⁽¹⁾	NYSDOH Soil Vapor / Indoor Air Guidance Values ⁽²⁾	SV001 L1222366-02 12/10/2012	SV002 L1222366-01 12/10/2012	SV003 L1222366-03 12/10/2012	SV004 L1313032-02 7/11/2013	SV005 L1313032-01 7/11/2013	SV006 L1313032-04 7/11/2013	SV007 L1313032-03 7/11/2013
Volatile Organic Compounds (µg/m3)									
1,1,1-Trichloroethane	22,000	100	10.9 U	3.64 U	10.9 U	6.27 U	9.82 U	25.8 U	16.1 U
1,1,2,2-Tetrachloroethane	0.42	NS	13.7 U	4.58 U	13.7 U	7.90 U	12.4 U	32.5 U	20.3 U
1,1,2-Trichloroethane	1.5	NS	10.9 U	3.64 U	10.9 U	6.27 U	9.82 U	25.8 U	16.1 U
1,1-Dichloroethane	5,000	NS	8.09 U	2.7 U	8.09 U	4.65 U	7.29 U	19.1 U	12.0 U
1,1-Dichloroethene	NS	100	7.93 U	2.64 U	7.93 U	4.56 U	7.14 U	18.8 U	11.7 U
1,2,4-Trichlorobenzene	2,000	NS	14.8 U	4.95 U	14.8 U	8.54 U	13.4 U	35.1 U	22.0 U
1,2,4-Trimethylbenzene	60	NS	9.83 U	3.28 U	9.83 U	9.19	11.3	64.9	14.6 U
1,2-Dibromoethane	0.11	NS	15.4 U	5.13 U	15.4 U	8.84 U	13.8 U	36.4 U	22.7 U
1,2-Dichlorobenzene	2,000	NS	12 U	4.01 U	12 U	6.91 U	10.8 U	28.4 U	17.8 U
1,2-Dichloroethane	0.94	NS	8.09 U	2.7 U	8.09 U	4.65 U	7.29 U	19.1 U	12.0 U
1,2-Dichloropropane	40	NS	9.24 U	3.08 U	9.24 U	5.31 U	8.32 U	21.9 U	13.7 U
1,3,5-Trimethylbenzene	60	NS	9.83 U	3.28 U	9.83 U	5.65 U	8.85 U	23.3 U	14.6 U
1,3-Butadiene	0.087	NS	17.8	1.48 U	4.42 U	11.7 J	4.89 J	10.5 U	6.55 U
1,3-Dichlorobenzene	1,100	NS	12 U	4.01 U	12 U	6.91 U	10.8 U	28.4 U	17.8 U
1,4-Dichlorobenzene	8,000	NS	12 U	4.01 U	12 U	6.91 U	10.8 U	28.4 U	17.8 U
1,4-Dioxane	NS	NS	7.21 U	2.4 U	7.21 U	4.14 U	6.49 U	17.0 U	10.7 U
2,2,4-Trimethylpentane	NS	NS	9.34 U	3.5	9.34 U	R	R	22.1 U	13.8 U
2-Butanone	NS	NS	64	41	59.6	130	79.6	136	157 J
2-Hexanone	NS	NS	8.2 U	2.73 U	8.2 U	4.71 U	7.38 U	19.4 U	12.1 U
3-Chloropropene	NS	NS	6.26 U	2.09 U	6.26 U	3.60 U	5.63 U	14.8 U	9.26 U
4-Ethyltoluene	NS	NS	9.83 U	3.28 U	9.83 U	5.65 U	8.85 U	23.3 U	14.6 U
4-Methyl-2-pentanone	NS	NS	21.5	37.2	13.3	10.3	7.38 U	27.4	27.7
Acetone	3,500	NS	342	160	485	1,750	881 J	2,240	2,210
Benzene	3.1	NS	6.68	3.9	6.39 U	69.0	821	15.1 U	9.46 U
Benzyl chloride	0.5	NS	10.4 U	3.45 U	10.4 U	5.95 U	9.32 U	24.5 U	15.3 U
Bromodichloromethane	1.4	NS	13.4 U	4.47 U	13.4 U	7.70 U	12.1 U	31.7 U	19.8 U
Bromoform	22	NS	20.7 U	6.9 U	20.7 U	11.9 U	18.6 U	48.9 U	30.6 U
Bromomethane	NS	NS	7.77 U	2.59 U	7.77 U	4.47 U	6.99 U	18.4 U	11.5 U
Carbon disulfide	7,000	NS	13.6	2.08 U	6.23 U	24.4	29.3	14.7 U	9.22 U
Carbon tetrachloride	1.6	50	12.6 U	4.2 U	12.6 U	7.23 U	11.3 U	29.8 U	18.6 U
Chlorobenzene	600	NS	9.21 U	3.07 U	9.21 U	5.30 U	8.29 U	21.8 U	13.6 U
Chloroethane	100,000	NS	5.28 U	1.76 U	5.28 U	3.03 U	4.75	12.5 U	7.81 U
Chloroform	1.1	NS	9.77 U	3.26 U	9.77 U	24.5	16.1	23.1 U	14.5 U
Chloromethane	NS	NS	4.13 U	1.38 U	4.13 U	2.37 U	3.72 U	9.77 U	6.11 U
cis-1,2-Dichloroethene	350	100	7.93 U	2.64 U	7.93 U	4.56 U	7.14 U	18.8 U	11.7 U
cis-1,3-Dichloropropene	NS	NS	9.08 U	3.03 U	9.08 U	5.22 U	8.17 U	21.5 U	13.4 U
Cyclohexane	NS	NS	16.8	2.3 U	20.3	12.9	101	16.3 U	10.2 U
Dibromochloromethane	NS	NS	17 U	5.68 U	17 U	9.80 U	15.3 U	40.3 U	25.2 U
Dichlorodifluoromethane	2,000	NS	9.89 U	3.3 U	9.89 U	5.69 U	8.90 U	23.4 U	14.6 U
Ethanol	NS	NS	47.1 U	20.9	47.1 U	135	42.2 U	377	69.7 U
Ethyl Acetate	32,000	NS	110	6.02 U	86.8	10.3 U	16.2 U	42.5 U	26.7 U
Ethylbenzene	220	NS	10	2.98	10	9.64	11.2	20.5 U	12.9 U
Freon-113	NS	NS	15.3 U	5.11 U	15.3 U	8.81 U	13.8 U	36.3 U	22.7 U
Freon-114	NS	NS	14 U	4.66 U	14 U	8.04 U	12.6 U	33.1 U	20.7 U
Heptane	NS	NS	17.2	7.05	22.1	23.5	40.4	26.3	25.2
Hexachlorobutadiene	NS	NS	21.3 U	7.11 U	21.3 U	12.3 U	19.2 U	50.5 U	31.6 U
Isopropanol	NS	NS	14.1	4.82	18.1	88.2	11.0 U	79.9	40.8
Methyl tert butyl ether	30,000	NS	7.21 U	2.4 U	7.21 U	4.15 U	6.49 U	17.1 U	10.7 U
Methylene chloride	520	NS	34.7 U	11.6 U	34.7 U	20.0 U	35.4	82.0 U	51.4 U
n-Hexane	2,000	NS	12.8	4.76	7.05 U	38.1	159	36.3	20.8
o-Xylene	70,000	NS	12.9	2.9 U	10.4	12.6	15.2	21.3	15.4
p/m-Xylene	70,000	NS	25.8	7.34	20.5	35.4	40.5	50.8	41.4
Propylene	NS	NS	176 J	2.87 U	13.8 J	86.1	208	20.3 U	21.3
Styrene	10,000	NS	8.52 U	2.84 U	8.52 U	4.90 U	7.66 U	20.1 U	12.6 U
Tetrachloroethene	8.1	100	13.6 U	4.52 U	13.6 U	7.80 U	12.2 U	32.1 U	20.1 U
Tetrahydrofuran	NS	NS	5.9 U	1.97 U	5.9 U	3.39 U	5.31 U	14.0 U	12.5
Toluene	4,000	NS	30.6	12.4	37	93.8	227	201	153
trans-1,2-Dichloroethene	700	NS	7.93 U	2.64 U	7.93 U	4.56 U	7.14 U	18.8 U	11.7 U
trans-1,3-Dichloropropene	NS	NS	9.08 U	3.03 U	9.08 U	5.22 U	8.17 U	21.5 U	13.4 U
Trichloroethene	0.22	50	10.7 U	3.58 U	10.7 U	143	9.67 U	25.4 U	15.9 U
Trichlorofluoromethane	7,000	NS	11.2 U	3.75 U	11.2 U	6.46 U	10.1 U	26.6 U	16.6 U
Vinyl acetate	2,000	NS	7.04 U	2.35 U	7.04 U	4.05 U	6.34 U	16.7 U	10.4 U
Vinyl bromide	NS	NS	8.74 U	2.92 U	8.74 U	5.03 U	7.87 U	20.7 U	12.9 U
Vinyl chloride	28	50	5.11 U	1.71 U	5.11 U	2.94 U	4.60 U	12.1 U	7.57 U

Notes:

Units are in µg/m3 (ppb)

(1) - USEPA OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils

(Subsurface Vapor Intrusion Guidance) November 2002: Table 2c Target Shallow Soil Gas Concentration -

Corresponding to Target Indoor Air Concentration Where the Soil Gas to Indoor Air Attenuation Factor=0.1

(2) NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006) - Table 3.1 Air Guidance Values

NS - No Standard

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

Highlighted text denotes concentrations exceeding USEPA Target Shallow Soil Gas Concentrations.

Appendix A

Geophysical Investigation Report



GEOPHYSICAL INVESTIGATION REPORT

SITE LOCATION:

**74 Wallabout Street,
Brooklyn, NY**

PREPARED FOR:

**PW Grosser Consulting
630 Johnson Ave
Bohemia, NY 11716**

PREPARED BY:

Matthew DiIenno
Delta Geophysics Inc.
738 Front Street
Catasauqua, PA 18032

July 30, 2013

Delta Geophysics, Inc. (Delta) is pleased to provide the results of the geophysical survey conducted at 74 Wallabout Street, Brooklyn, NY.

1.0 INTRODUCTION

On July 9, 2013 Delta Geophysics personnel performed a limited geophysical investigation at 74 Wallabout Street, Brooklyn, NY. The areas of interest were all accessible areas within the subject site. Surface conditions at the time of survey consisted of vegetation over soils. Subsurface conditions were unknown at the time of survey.

2.0 SCOPE OF WORK

The survey was conducted to investigate subsurface for anomalies consistent with underground storage tanks and additional anomalous features.

3.0 METHODOLOGY

Selection of survey equipment is dependent site conditions and project objectives. For this project the technician utilized the following equipment to survey the area of concern:

- Geophysical Survey Systems Inc. SIR-3000 cart-mounted Ground Penetrating Radar (GPR) unit with a 400 Mhz antenna.
- Radiodetection RD7000 precision utility locator.
- Fisher M-Scope TW-6 pipe and cable locator.

Ground penetrating radar (commonly called GPR) is a geophysical method that has been developed over the past thirty years for shallow, high-resolution, subsurface investigations of the earth. GPR uses high frequency pulsed electromagnetic waves (generally 10 MHz to 1,000 MHz) to acquire subsurface information. Energy is propagated downward into the ground and is reflected back to the surface from boundaries at which there are electrical property contrasts. GPR is a method that is commonly used for environmental, engineering, archeological, and other shallow investigations.

The GSSI SIR-3000 GPR can accept a wide variety of antennas which provide various depths of penetration and levels of resolution. The 400 MHz antenna can achieve depths of penetration up to about 20 feet, but this depth may be greatly reduced due to site-specific conditions. Signal penetration decreases with increased soil conductivity. Conductive materials attenuate or absorb the GPR signal. As depth increases the return signal becomes weaker. Penetration is the greatest in unsaturated sands and fine gravels. Clayey, highly saline or saturated soils, areas covered by steel reinforced concrete, foundry slag, or other highly conductive materials significantly reduces GPR depth of penetration.

The GPR was configured to transmit to a depth of approximately 10 feet below the subsurface, but actual signal penetration was approximately 4-5 feet below ground surface (bgs). The limiting factor was signal attenuation from near surface soils.

The RD7000 precision utility locator uses radio emission to trace the location of metal bearing utilities. This radio emission can be active or passive. Active tracing requires the attachment of a radio

transmitter to the utility, passive tracing uses radio emissions that are present on the utility. Underground electrical utilities typically emit radio signals that this device can detect.

The TW-6 is designed to find pipes, cables and other metallic objects such as underground storage tanks. One surveyor can carry both the transmitter and receiver together, making it ideally suited for exploration type searches of ferrous metal masses. Metal detectors of this type operate by generating a magnetic field at the transmitter which causes metallic objects in the subsurface to generate a secondary magnetic field. The induced secondary field is detected by the receiver, which generates an audible tone equal to the strength of the secondary field.

4.0 SURVEY FINDINGS

All accessible areas within the subject site were surveyed with the TW-6 metallic locator. Grid spacing was approximately 3 ft.

An anomaly consistent with an underground storage tank was located in the North parking lot perpendicular to the sidewalk of Wallabout Street. The anomaly was detected with the TW-6 metallic locator then surveyed with the GPR for identification.

On the west exterior wall adjacent to the parking lot a vent and fill line were visible. These lines were visually followed east and into a interior wall. Delta personnel removed a panel on the wall and identified the end of the pipes, which were cut and capped.

Within the eastern interior portion of the building several fill ports were visible during the investigation. Due to reinforced concrete GPR depth of penetration was less than 1ft. The suspect tanks could not be imaged. No additional anomalies were detected.

5.0 SURVEY LIMITATIONS

GPR depth of penetration was limited to approximately 1-5 feet below ground surface. The limiting factor was due to conductive soils and reinforced concrete.

6.0 WARRANTIES AND DISCLAIMER

As with any geophysical method, it must be stressed that caution be used during any excavation or intrusive testing in proximity to any anomalies indicated in this report. In addition, the absence of detected signatures does not preclude the possibility that targets may exist. To the extent the client desires more definitive conclusions than are warranted by the currently available facts; it is specifically Delta's intent that the conclusions stated herein will be intended as guidance.

This report is based upon the application of scientific principles and professional judgment to certain facts with resultant subjective interpretations. Professional judgments expressed herein are based on the facts currently available within the limit or scope of work, budget and schedule. Delta represents that the services were performed in a manner consistent with currently accepted professional practices employed by geophysical/geological consultants under similar circumstances. No other representations to Client, express or implied, and no warranty or guarantee is included or intended in this agreement, or in any report, document, or otherwise.

This report was prepared pursuant to the contract Delta has with the Client. That contractual relationship included an exchange of information about the property that was unique and between Delta and its client and serves as the basis upon which this report was prepared. Because of the importance of the understandings between Delta and its client, reliance or any use of this report by anyone other than the Client, for whom it was prepared, is prohibited and therefore not foreseeable to Delta.

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Appendix B

Laboratory Analytical Data Reports



ANALYTICAL REPORT

Lab Number:	L1312727
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Derek Ersbak
Phone:	(631) 589-6353
Project Name:	RAB1203
Project Number:	RAB1203
Report Date:	07/16/13

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: RAB1203
Project Number: RAB1203

Lab Number: L1312727
Report Date: 07/16/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1312727-01	SUB-SURFACE VAULT	74 WALLABOUT ST., BK	07/09/13 13:00

Project Name: RAB1203**Lab Number:** L1312727**Project Number:** RAB1203**Report Date:** 07/16/13

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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: RAB1203**Lab Number:** L1312727**Project Number:** RAB1203**Report Date:** 07/16/13**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.

Total Metals

The WG620604-4 MS recovery, performed on L1312727-01, is above the acceptance criteria for Aluminum (122%). A post digestion spike was performed with an acceptable recovery of 119%.

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: 07/16/13

ORGANICS

VOLATILES

Project Name: RAB1203**Lab Number:** L1312727**Project Number:** RAB1203**Report Date:** 07/16/13**SAMPLE RESULTS**

Lab ID: L1312727-01
Client ID: SUB-SURFACE VAULT
Sample Location: 74 WALLABOUT ST., BK
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/15/13 13:32
Analyst: PD

Date Collected: 07/09/13 13:00
Date Received: 07/09/13
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	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	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	0.16	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
1,1-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	0.19	1
Benzene	ND		ug/l	0.50	0.19	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	0.18	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
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: RAB1203

Lab Number: L1312727

Project Number: RAB1203

Report Date: 07/16/13

SAMPLE RESULTS

Lab ID: L1312727-01

Date Collected: 07/09/13 13:00

Client ID: SUB-SURFACE VAULT

Date Received: 07/09/13

Sample Location: 74 WALLABOUT ST., BK

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	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	7.9		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	2.4	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
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	76.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: RAB1203

Lab Number: L1312727

Project Number: RAB1203

Report Date: 07/16/13

SAMPLE RESULTS

Lab ID: L1312727-01

Date Collected: 07/09/13 13:00

Client ID: SUB-SURFACE VAULT

Date Received: 07/09/13

Sample Location: 74 WALLABOUT ST., BK

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

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	99		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	95		70-130

Project Name: RAB1203

Lab Number: L1312727

Project Number: RAB1203

Report Date: 07/16/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/15/13 11:08
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG621672-3					
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	0.16
1,2-Dichloropropane	ND		ug/l	1.0	0.30
Dibromochloromethane	ND		ug/l	0.50	0.19
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	0.16
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
1,1-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	0.19
Benzene	ND		ug/l	0.50	0.19
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	0.18
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
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

Project Name: RAB1203

Lab Number: L1312727

Project Number: RAB1203

Report Date: 07/16/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/15/13 11:08
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG621672-3					
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
cis-1,2-Dichloroethene	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
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

Project Name: RAB1203

Lab Number: L1312727

Project Number: RAB1203

Report Date: 07/16/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/15/13 11:08
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG621672-3					
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	76.
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-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	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAB1203

Project Number: RAB1203

Lab Number: L1312727

Report Date: 07/16/13

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: WG621672-1 WG621672-2								
Methylene chloride	101		100		70-130	1		20
1,1-Dichloroethane	105		103		70-130	2		20
Chloroform	102		98		70-130	4		20
Carbon tetrachloride	94		93		63-132	1		20
1,2-Dichloropropane	105		104		70-130	1		20
Dibromochloromethane	94		94		63-130	0		20
1,1,2-Trichloroethane	100		102		70-130	2		20
Tetrachloroethene	106		99		70-130	7		20
Chlorobenzene	106		103		75-130	3		20
Trichlorofluoromethane	99		93		62-150	6		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	102		100		67-130	2		20
Bromodichloromethane	100		99		67-130	1		20
trans-1,3-Dichloropropene	99		99		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	108		106		70-130	2		20
Bromoform	98		100		54-136	2		20
1,1,2,2-Tetrachloroethane	97		102		67-130	5		20
Benzene	105		102		70-130	3		20
Toluene	107		103		70-130	4		20
Ethylbenzene	109		105		70-130	4		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAB1203

Project Number: RAB1203

Lab Number: L1312727

Report Date: 07/16/13

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: WG621672-1 WG621672-2								
Chloromethane	104		110		64-130	6		20
Bromomethane	110		101		39-139	9		20
Vinyl chloride	108		103		55-140	5		20
Chloroethane	102		98		55-138	4		20
1,1-Dichloroethene	107		104		61-145	3		20
trans-1,2-Dichloroethene	104		100		70-130	4		20
Trichloroethene	105		100		70-130	5		20
1,2-Dichlorobenzene	103		101		70-130	2		20
1,3-Dichlorobenzene	107		103		70-130	4		20
1,4-Dichlorobenzene	106		103		70-130	3		20
Methyl tert butyl ether	95		96		63-130	1		20
p/m-Xylene	109		105		70-130	4		20
o-Xylene	108		104		70-130	4		20
cis-1,2-Dichloroethene	103		100		70-130	3		20
Dibromomethane	103		102		70-130	1		20
1,2,3-Trichloropropane	103		107		64-130	4		20
Acrylonitrile	98		99		70-130	1		20
Styrene	110		107		70-130	3		20
Dichlorodifluoromethane	116		108		36-147	7		20
Acetone	72		72		58-148	0		20
Carbon disulfide	108		98		51-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAB1203

Project Number: RAB1203

Lab Number: L1312727

Report Date: 07/16/13

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: WG621672-1 WG621672-2								
2-Butanone	106		105		63-138	1		20
Vinyl acetate	87		95		70-130	9		20
4-Methyl-2-pentanone	86		91		59-130	6		20
2-Hexanone	88		95		57-130	8		20
Bromochloromethane	103		102		70-130	1		20
2,2-Dichloropropane	149	Q	143	Q	63-133	4		20
1,2-Dibromoethane	100		102		70-130	2		20
1,3-Dichloropropane	105		105		70-130	0		20
1,1,1,2-Tetrachloroethane	105		104		64-130	1		20
Bromobenzene	104		102		70-130	2		20
n-Butylbenzene	100		93		53-136	7		20
sec-Butylbenzene	110		104		70-130	6		20
tert-Butylbenzene	108		104		70-130	4		20
o-Chlorotoluene	111		108		70-130	3		20
p-Chlorotoluene	110		108		70-130	2		20
1,2-Dibromo-3-chloropropane	90		98		41-144	9		20
Hexachlorobutadiene	108		99		63-130	9		20
Isopropylbenzene	111		108		70-130	3		20
p-Isopropyltoluene	109		103		70-130	6		20
Naphthalene	103		103		70-130	0		20
n-Propylbenzene	112		108		69-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAB1203

Project Number: RAB1203

Lab Number: L1312727

Report Date: 07/16/13

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: WG621672-1 WG621672-2								
1,2,3-Trichlorobenzene	94		91		70-130	3		20
1,2,4-Trichlorobenzene	99		94		70-130	5		20
1,3,5-Trimethylbenzene	114		108		64-130	5		20
1,2,4-Trimethylbenzene	108		103		70-130	5		20
1,4-Dioxane	96		99		56-162	3		20
1,4-Diethylbenzene	110		104		70-130	6		20
4-Ethyltoluene	110		106		70-130	4		20
1,2,4,5-Tetramethylbenzene	115		111		70-130	4		20
Ethyl ether	100		102		59-134	2		20
trans-1,4-Dichloro-2-butene	108		114		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		98		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	103		105		70-130
Dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Project Name: RAB1203

Lab Number: L1312727

Project Number: RAB1203

Report Date: 07/16/13

SAMPLE RESULTS

Lab ID: L1312727-01
 Client ID: SUB-SURFACE VAULT
 Sample Location: 74 WALLABOUT ST., BK
 Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 07/15/13 10:33
 Analyst: RC

Date Collected: 07/09/13 13:00
 Date Received: 07/09/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/12/13 15:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: RAB1203

Lab Number: L1312727

Project Number: RAB1203

Report Date: 07/16/13

SAMPLE RESULTS

Lab ID: L1312727-01

Date Collected: 07/09/13 13:00

Client ID: SUB-SURFACE VAULT

Date Received: 07/09/13

Sample Location: 74 WALLABOUT ST., BK

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	1.9	J	ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	3.5		ug/l	2.0	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	70		41-149

Project Name: RAB1203**Lab Number:** L1312727**Project Number:** RAB1203**Report Date:** 07/16/13**SAMPLE RESULTS**

Lab ID: L1312727-01
Client ID: SUB-SURFACE VAULT
Sample Location: 74 WALLABOUT ST., BK
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 07/16/13 14:41
Analyst: AS

Date Collected: 07/09/13 13:00
Date Received: 07/09/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 07/12/13 18:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.77		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	3.6		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	1.9		ug/l	0.20	0.06	1
Benzo(a)anthracene	1.4		ug/l	0.20	0.06	1
Benzo(a)pyrene	1.1		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	1.6		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	0.61		ug/l	0.20	0.07	1
Chrysene	1.2		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	1.9		ug/l	0.20	0.06	1
Benzo(ghi)perylene	0.59		ug/l	0.20	0.07	1
Fluorene	0.66		ug/l	0.20	0.06	1
Phenanthrene	2.7		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	0.24		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	0.77		ug/l	0.20	0.08	1
Pyrene	2.5		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.18	J	ug/l	0.20	0.06	1
Pentachlorophenol	1.1		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	102		10-120
4-Terphenyl-d14	89		41-149

Project Name: RAB1203

Lab Number: L1312727

Project Number: RAB1203

Report Date: 07/16/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/15/13 08:50
 Analyst: RC

Extraction Method: EPA 3510C
 Extraction Date: 07/12/13 15:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG621356-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40
Hexachlorocyclopentadiene	ND		ug/l	20	2.1
Isophorone	ND		ug/l	5.0	0.35
Nitrobenzene	ND		ug/l	2.0	0.50
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	0.46
Di-n-butylphthalate	ND		ug/l	5.0	0.54
Di-n-octylphthalate	ND		ug/l	5.0	0.53
Diethyl phthalate	ND		ug/l	5.0	0.45
Dimethyl phthalate	ND		ug/l	5.0	0.45
Biphenyl	ND		ug/l	2.0	0.50
4-Chloroaniline	ND		ug/l	5.0	0.83
2-Nitroaniline	ND		ug/l	5.0	0.40
3-Nitroaniline	ND		ug/l	5.0	0.59
4-Nitroaniline	ND		ug/l	5.0	0.55
Dibenzofuran	ND		ug/l	2.0	0.47
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65
Acetophenone	ND		ug/l	5.0	0.55

Project Name: RAB1203

Lab Number: L1312727

Project Number: RAB1203

Report Date: 07/16/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/15/13 08:50
 Analyst: RC

Extraction Method: EPA 3510C
 Extraction Date: 07/12/13 15:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG621356-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50
2-Chlorophenol	ND		ug/l	2.0	0.34
2,4-Dichlorophenol	ND		ug/l	5.0	0.43
2,4-Dimethylphenol	ND		ug/l	5.0	1.2
2-Nitrophenol	ND		ug/l	10	0.48
4-Nitrophenol	ND		ug/l	10	1.2
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59
Phenol	ND		ug/l	5.0	0.26
2-Methylphenol	ND		ug/l	5.0	0.53
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.53

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	71		41-149

Project Name: RAB1203

Lab Number: L1312727

Project Number: RAB1203

Report Date: 07/16/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 07/15/13 10:21
 Analyst: AS

Extraction Method: EPA 3510C
 Extraction Date: 07/12/13 18:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG621362-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	0.11	J	ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	0.12	J	ug/l	0.80	0.07

Project Name: RAB1203

Lab Number: L1312727

Project Number: RAB1203

Report Date: 07/16/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 07/15/13 10:21
 Analyst: AS

Extraction Method: EPA 3510C
 Extraction Date: 07/12/13 18:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG621362-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	106		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	76		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAB1203

Project Number: RAB1203

Lab Number: L1312727

Report Date: 07/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG621356-2 WG621356-3								
1,2,4-Trichlorobenzene	80		85		39-98	6		30
Bis(2-chloroethyl)ether	86		82		40-140	5		30
1,2-Dichlorobenzene	78		80		40-140	3		30
1,3-Dichlorobenzene	74		78		40-140	5		30
1,4-Dichlorobenzene	74		78		36-97	5		30
3,3'-Dichlorobenzidine	70		68		40-140	3		30
2,4-Dinitrotoluene	107	Q	93		24-96	14		30
2,6-Dinitrotoluene	106		87		40-140	20		30
4-Chlorophenyl phenyl ether	98		92		40-140	6		30
4-Bromophenyl phenyl ether	104		93		40-140	11		30
Bis(2-chloroisopropyl)ether	74		71		40-140	4		30
Bis(2-chloroethoxy)methane	87		79		40-140	10		30
Hexachlorocyclopentadiene	46		45		40-140	2		30
Isophorone	86		77		40-140	11		30
Nitrobenzene	85		87		40-140	2		30
NitrosoDiPhenylAmine(NDPA)/DPA	100		89		40-140	12		30
n-Nitrosodi-n-propylamine	87		80		29-132	8		30
Bis(2-Ethylhexyl)phthalate	113		102		40-140	10		30
Butyl benzyl phthalate	97		85		40-140	13		30
Di-n-butylphthalate	98		91		40-140	7		30
Di-n-octylphthalate	108		100		40-140	8		30

Lab Control Sample Analysis Batch Quality Control

Project Name: RAB1203

Project Number: RAB1203

Lab Number: L1312727

Report Date: 07/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG621356-2 WG621356-3								
Diethyl phthalate	102		91		40-140	11		30
Dimethyl phthalate	102		95		40-140	7		30
Biphenyl	88		91			3		30
4-Chloroaniline	71		62		40-140	14		30
2-Nitroaniline	104		85		52-143	20		30
3-Nitroaniline	76		67		25-145	13		30
4-Nitroaniline	101		85		51-143	17		30
Dibenzofuran	97		91		40-140	6		30
1,2,4,5-Tetrachlorobenzene	85		91		2-134	7		30
Acetophenone	91		86		39-129	6		30
2,4,6-Trichlorophenol	100		88		30-130	13		30
P-Chloro-M-Cresol	101	Q	89		23-97	13		30
2-Chlorophenol	89		86		27-123	3		30
2,4-Dichlorophenol	99		96		30-130	3		30
2,4-Dimethylphenol	91		81		30-130	12		30
2-Nitrophenol	91		86		30-130	6		30
4-Nitrophenol	72		55		10-80	27		30
2,4-Dinitrophenol	89		75		20-130	17		30
4,6-Dinitro-o-cresol	104		85		20-164	20		30
Phenol	53		46		12-110	14		30
2-Methylphenol	87		79		30-130	10		30

Lab Control Sample Analysis Batch Quality Control

Project Name: RAB1203

Lab Number: L1312727

Project Number: RAB1203

Report Date: 07/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG621356-2 WG621356-3								
3-Methylphenol/4-Methylphenol	85		74		30-130	14		30
2,4,5-Trichlorophenol	108		92		30-130	16		30
Benzoic Acid	44		33			29		30
Benzyl Alcohol	85		77			10		30
Carbazole	97		92		55-144	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		65		21-120
Phenol-d6	51		43		10-120
Nitrobenzene-d5	86		79		23-120
2-Fluorobiphenyl	93		86		15-120
2,4,6-Tribromophenol	105		102		10-120
4-Terphenyl-d14	88		77		41-149

Lab Control Sample Analysis Batch Quality Control

Project Name: RAB1203

Project Number: RAB1203

Lab Number: L1312727

Report Date: 07/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG621362-2 WG621362-3								
Acenaphthene	88		88		37-111	0		40
2-Chloronaphthalene	88		90		40-140	2		40
Fluoranthene	102		106		40-140	4		40
Hexachlorobutadiene	78		79		40-140	1		40
Naphthalene	79		81		40-140	3		40
Benzo(a)anthracene	110		113		40-140	3		40
Benzo(a)pyrene	88		96		40-140	9		40
Benzo(b)fluoranthene	103		110		40-140	7		40
Benzo(k)fluoranthene	102		112		40-140	9		40
Chrysene	99		102		40-140	3		40
Acenaphthylene	90		92		40-140	2		40
Anthracene	93		97		40-140	4		40
Benzo(ghi)perylene	79		101		40-140	24		40
Fluorene	98		96		40-140	2		40
Phenanthrene	95		96		40-140	1		40
Dibenzo(a,h)anthracene	78		94		40-140	19		40
Indeno(1,2,3-cd)Pyrene	76		96		40-140	23		40
Pyrene	96		100		26-127	4		40
2-Methylnaphthalene	82		82		40-140	0		40
Pentachlorophenol	118	Q	124	Q	9-103	5		40
Hexachlorobenzene	82		84		40-140	2		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAB1203

Lab Number: L1312727

Project Number: RAB1203

Report Date: 07/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG621362-2 WG621362-3								
Hexachloroethane	83		85		40-140	2		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	60		60		21-120
Phenol-d6	43		44		10-120
Nitrobenzene-d5	98		96		23-120
2-Fluorobiphenyl	85		82		15-120
2,4,6-Tribromophenol	100		95		10-120
4-Terphenyl-d14	74		73		41-149

PCBS

Project Name: RAB1203**Lab Number:** L1312727**Project Number:** RAB1203**Report Date:** 07/16/13**SAMPLE RESULTS**

Lab ID: L1312727-01
Client ID: SUB-SURFACE VAULT
Sample Location: 74 WALLABOUT ST., BK
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 07/11/13 17:45
Analyst: KB

Date Collected: 07/09/13 13:00
Date Received: 07/09/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 07/10/13 18:07
Cleanup Method1: EPA 3665A
Cleanup Date1: 07/10/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 07/10/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1
Aroclor 1262	ND		ug/l	0.083	0.029	1
Aroclor 1268	ND		ug/l	0.083	0.038	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	79		30-150
Decachlorobiphenyl	106		30-150
2,4,5,6-Tetrachloro-m-xylene	77		30-150
Decachlorobiphenyl	105		30-150

Project Name: RAB1203

Lab Number: L1312727

Project Number: RAB1203

Report Date: 07/16/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 07/11/13 17:58
 Analyst: KB

Extraction Method: EPA 3510C
 Extraction Date: 07/10/13 18:07
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/10/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/10/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG620778-1					
Aroclor 1016	ND		ug/l	0.083	0.055
Aroclor 1221	ND		ug/l	0.083	0.053
Aroclor 1232	ND		ug/l	0.083	0.031
Aroclor 1242	ND		ug/l	0.083	0.060
Aroclor 1248	ND		ug/l	0.083	0.051
Aroclor 1254	ND		ug/l	0.083	0.034
Aroclor 1260	ND		ug/l	0.083	0.032
Aroclor 1262	ND		ug/l	0.083	0.029
Aroclor 1268	ND		ug/l	0.083	0.038

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	62		30-150
Decachlorobiphenyl	86		30-150
2,4,5,6-Tetrachloro-m-xylene	62		30-150
Decachlorobiphenyl	90		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAB1203

Lab Number: L1312727

Project Number: RAB1203

Report Date: 07/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG620778-2 WG620778-3								
Aroclor 1016	78		84		40-140	7		50
Aroclor 1260	78		81		40-140	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	84		83		30-150
Decachlorobiphenyl	113		115		30-150
2,4,5,6-Tetrachloro-m-xylene	83		82		30-150
Decachlorobiphenyl	116		117		30-150

PESTICIDES

Project Name: RAB1203**Lab Number:** L1312727**Project Number:** RAB1203**Report Date:** 07/16/13**SAMPLE RESULTS**

Lab ID: L1312727-01
Client ID: SUB-SURFACE VAULT
Sample Location: 74 WALLABOUT ST., BK
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 07/14/13 02:12
Analyst: BW

Date Collected: 07/09/13 13:00
Date Received: 07/09/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 07/10/13 18:05
Cleanup Method1: EPA 3620B
Cleanup Date1: 07/12/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Endosulfan II	0.011	J	ug/l	0.040	0.005	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	129		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: RAB1203**Lab Number:** L1312727**Project Number:** RAB1203**Report Date:** 07/16/13**SAMPLE RESULTS**

Lab ID: L1312727-01
Client ID: SUB-SURFACE VAULT
Sample Location: 74 WALLABOUT ST., BK
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 07/14/13 02:12
Analyst: BW

Date Collected: 07/09/13 13:00
Date Received: 07/09/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 07/10/13 18:05
Cleanup Method1: EPA 3620B
Cleanup Date1: 07/12/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.020	0.005	1
Lindane	ND		ug/l	0.020	0.004	1
Alpha-BHC	ND		ug/l	0.020	0.004	1
Beta-BHC	ND		ug/l	0.020	0.006	1
Heptachlor	ND		ug/l	0.020	0.003	1
Aldrin	ND		ug/l	0.020	0.002	1
Heptachlor epoxide	ND		ug/l	0.020	0.004	1
Endrin	ND		ug/l	0.040	0.004	1
Endrin ketone	ND		ug/l	0.040	0.005	1
Dieldrin	ND		ug/l	0.040	0.004	1
4,4'-DDE	ND		ug/l	0.040	0.004	1
4,4'-DDD	0.023	J	ug/l	0.040	0.005	1
4,4'-DDT	ND		ug/l	0.040	0.004	1
Endosulfan I	ND		ug/l	0.020	0.003	1
Endosulfan sulfate	ND		ug/l	0.040	0.005	1
Methoxychlor	ND		ug/l	0.200	0.007	1
Toxaphene	ND		ug/l	0.200	0.063	1
cis-Chlordane	ND		ug/l	0.020	0.007	1
trans-Chlordane	ND		ug/l	0.020	0.006	1
Chlordane	ND		ug/l	0.200	0.046	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	129		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: RAB1203

Lab Number: L1312727

Project Number: RAB1203

Report Date: 07/16/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 07/14/13 01:33
 Analyst: BW

Extraction Method: EPA 3510C
 Extraction Date: 07/10/13 18:05
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/12/13

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG620803-1					
Delta-BHC	ND		ug/l	0.020	0.005
Lindane	ND		ug/l	0.020	0.004
Alpha-BHC	ND		ug/l	0.020	0.004
Beta-BHC	ND		ug/l	0.020	0.006
Heptachlor	ND		ug/l	0.020	0.003
Aldrin	ND		ug/l	0.020	0.002
Heptachlor epoxide	ND		ug/l	0.020	0.004
Endrin	ND		ug/l	0.040	0.004
Endrin ketone	ND		ug/l	0.040	0.005
Dieldrin	ND		ug/l	0.040	0.004
4,4'-DDE	ND		ug/l	0.040	0.004
4,4'-DDD	ND		ug/l	0.040	0.005
4,4'-DDT	ND		ug/l	0.040	0.004
Endosulfan I	ND		ug/l	0.020	0.003
Endosulfan II	ND		ug/l	0.040	0.005
Endosulfan sulfate	ND		ug/l	0.040	0.005
Methoxychlor	ND		ug/l	0.200	0.007
Toxaphene	ND		ug/l	0.200	0.063
cis-Chlordane	ND		ug/l	0.020	0.007
trans-Chlordane	ND		ug/l	0.020	0.006
Chlordane	ND		ug/l	0.200	0.046

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	76		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: RAB1203

Project Number: RAB1203

Lab Number: L1312727

Report Date: 07/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG620803-2 WG620803-3								
Delta-BHC	118		115		30-150	3		20
Lindane	122		116		30-150	5		20
Alpha-BHC	122		117		30-150	4		20
Beta-BHC	124		116		30-150	7		20
Heptachlor	111		107		30-150	4		20
Aldrin	116		111		30-150	4		20
Heptachlor epoxide	119		112		30-150	6		20
Endrin	130		123		30-150	6		20
Endrin ketone	107		103		30-150	4		20
Dieldrin	120		113		30-150	6		20
4,4'-DDE	121		115		30-150	5		20
4,4'-DDD	110		105		30-150	5		20
4,4'-DDT	108		104		30-150	4		20
Endosulfan I	118		111		30-150	6		20
Endosulfan II	104		100		30-150	4		20
Endosulfan sulfate	103		100		30-150	3		20
Methoxychlor	121		117		30-150	3		20
cis-Chlordane	118		113		30-150	4		20
trans-Chlordane	110		106		30-150	4		20

Lab Control Sample Analysis Batch Quality Control

Project Name: RAB1203

Lab Number: L1312727

Project Number: RAB1203

Report Date: 07/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG620803-2 WG620803-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	123		116		30-150	A
Decachlorobiphenyl	64		47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		81		30-150	B
Decachlorobiphenyl	76		79		30-150	B

METALS

Project Name: RAB1203

Lab Number: L1312727

Project Number: RAB1203

Report Date: 07/16/13

SAMPLE RESULTS

Lab ID: L1312727-01
 Client ID: SUB-SURFACE VAULT
 Sample Location: 74 WALLABOUT ST., BK
 Matrix: Water

Date Collected: 07/09/13 13:00
 Date Received: 07/09/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.0684		mg/l	0.0100	0.00200	1	07/10/13 09:18	07/11/13 00:06	EPA 3005A	1,6020A	BM
Antimony, Total	0.00423		mg/l	0.00100	0.00010	1	07/10/13 09:18	07/11/13 00:06	EPA 3005A	1,6020A	BM
Arsenic, Total	0.00048	J	mg/l	0.00050	0.00020	1	07/10/13 09:18	07/11/13 00:06	EPA 3005A	1,6020A	BM
Barium, Total	0.01753		mg/l	0.00050	0.00010	1	07/10/13 09:18	07/11/13 00:06	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/10/13 09:18	07/11/13 00:06	EPA 3005A	1,6020A	BM
Cadmium, Total	0.00573		mg/l	0.00020	0.00005	1	07/10/13 09:18	07/11/13 00:06	EPA 3005A	1,6020A	BM
Calcium, Total	15.6		mg/l	0.100	0.0320	1	07/10/13 09:18	07/11/13 00:06	EPA 3005A	1,6020A	BM
Chromium, Total	0.00165		mg/l	0.00100	0.00020	1	07/10/13 09:18	07/11/13 00:06	EPA 3005A	1,6020A	BM
Cobalt, Total	0.00514		mg/l	0.00050	0.00010	1	07/10/13 09:18	07/11/13 00:06	EPA 3005A	1,6020A	BM
Copper, Total	0.01615		mg/l	0.00100	0.00010	1	07/10/13 09:18	07/11/13 00:06	EPA 3005A	1,6020A	BM
Iron, Total	0.328		mg/l	0.0500	0.0130	1	07/10/13 09:18	07/11/13 00:06	EPA 3005A	1,6020A	BM
Lead, Total	0.04590		mg/l	0.00100	0.00020	1	07/10/13 09:18	07/11/13 00:06	EPA 3005A	1,6020A	BM
Magnesium, Total	1.35		mg/l	0.0700	0.0230	1	07/10/13 09:18	07/11/13 00:06	EPA 3005A	1,6020A	BM
Manganese, Total	0.5756		mg/l	0.00500	0.00100	10	07/10/13 09:18	07/10/13 19:19	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	07/11/13 14:40	07/12/13 15:19	EPA 7470A	1,7470A	JH
Nickel, Total	0.00308		mg/l	0.00050	0.00010	1	07/10/13 09:18	07/11/13 00:06	EPA 3005A	1,6020A	BM
Potassium, Total	2.79		mg/l	0.100	0.0270	1	07/10/13 09:18	07/11/13 00:06	EPA 3005A	1,6020A	BM
Selenium, Total	0.00091	J	mg/l	0.00500	0.00030	1	07/10/13 09:18	07/11/13 00:06	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	07/10/13 09:18	07/11/13 00:06	EPA 3005A	1,6020A	BM
Sodium, Total	5.45		mg/l	0.100	0.0150	1	07/10/13 09:18	07/11/13 00:06	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	07/10/13 09:18	07/11/13 00:06	EPA 3005A	1,6020A	BM
Vanadium, Total	0.00207	J	mg/l	0.00500	0.00010	1	07/10/13 09:18	07/11/13 00:06	EPA 3005A	1,6020A	BM
Zinc, Total	0.5561		mg/l	0.1000	0.01200	10	07/10/13 09:18	07/10/13 19:19	EPA 3005A	1,6020A	BM



Project Name: RAB1203

Lab Number: L1312727

Project Number: RAB1203

Report Date: 07/16/13

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG620604-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	07/10/13 09:18	07/10/13 19:07	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	07/10/13 09:18	07/10/13 19:07	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	07/10/13 09:18	07/10/13 19:07	1,6020A	BM
Barium, Total	ND		mg/l	0.00050	0.00010	1	07/10/13 09:18	07/10/13 19:07	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/10/13 09:18	07/10/13 19:07	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	07/10/13 09:18	07/10/13 19:07	1,6020A	BM
Calcium, Total	ND		mg/l	0.100	0.0320	1	07/10/13 09:18	07/10/13 19:07	1,6020A	BM
Chromium, Total	0.00022	J	mg/l	0.00100	0.00020	1	07/10/13 09:18	07/10/13 19:07	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	07/10/13 09:18	07/10/13 19:07	1,6020A	BM
Copper, Total	ND		mg/l	0.00100	0.00010	1	07/10/13 09:18	07/10/13 19:07	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	07/10/13 09:18	07/10/13 19:07	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	07/10/13 09:18	07/10/13 19:07	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	07/10/13 09:18	07/10/13 19:07	1,6020A	BM
Manganese, Total	ND		mg/l	0.00050	0.00010	1	07/10/13 09:18	07/10/13 19:07	1,6020A	BM
Nickel, Total	0.00012	J	mg/l	0.00050	0.00010	1	07/10/13 09:18	07/10/13 19:07	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	07/10/13 09:18	07/10/13 19:07	1,6020A	BM
Selenium, Total	0.00043	J	mg/l	0.00500	0.00030	1	07/10/13 09:18	07/10/13 19:07	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	07/10/13 09:18	07/10/13 19:07	1,6020A	BM
Sodium, Total	0.0380	J	mg/l	0.100	0.0150	1	07/10/13 09:18	07/10/13 19:07	1,6020A	BM
Thallium, Total	0.00007	J	mg/l	0.00050	0.00003	1	07/10/13 09:18	07/10/13 19:07	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	07/10/13 09:18	07/10/13 19:07	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	07/10/13 09:18	07/10/13 19:07	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG620963-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	07/11/13 14:40	07/12/13 14:51	1,7470A	JH



Project Name: RAB1203

Lab Number: L1312727

Project Number: RAB1203

Report Date: 07/16/13

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAB1203

Project Number: RAB1203

Lab Number: L1312727

Report Date: 07/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG620604-2								
Aluminum, Total	108		-		80-120	-		
Antimony, Total	89		-		80-120	-		
Arsenic, Total	107		-		80-120	-		
Barium, Total	101		-		80-120	-		
Beryllium, Total	95		-		80-120	-		
Cadmium, Total	112		-		80-120	-		
Calcium, Total	107		-		80-120	-		
Chromium, Total	106		-		80-120	-		
Cobalt, Total	105		-		80-120	-		
Copper, Total	108		-		80-120	-		
Iron, Total	106		-		80-120	-		
Lead, Total	104		-		80-120	-		
Magnesium, Total	105		-		80-120	-		
Manganese, Total	103		-		80-120	-		
Nickel, Total	108		-		80-120	-		
Potassium, Total	102		-		80-120	-		
Selenium, Total	115		-		80-120	-		
Silver, Total	103		-		80-120	-		
Sodium, Total	114		-		80-120	-		
Thallium, Total	100		-		80-120	-		
Vanadium, Total	103		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAB1203

Project Number: RAB1203

Lab Number: L1312727

Report Date: 07/16/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG620604-2					
Zinc, Total	107	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG620963-2					
Mercury, Total	95	-	80-120	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: RAB1203

Project Number: RAB1203

Lab Number: L1312727

Report Date: 07/16/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG620604-4 QC Sample: L1312727-01 Client ID: SUB-SURFACE VAULT												
Aluminum, Total	0.0684	2	2.52	122	Q	-	-		80-120	-		20
Antimony, Total	0.00423	0.5	0.4592	91		-	-		80-120	-		20
Arsenic, Total	0.00048J	0.12	0.1283	107		-	-		80-120	-		20
Barium, Total	0.01753	2	2.005	99		-	-		80-120	-		20
Beryllium, Total	ND	0.05	0.04718	94		-	-		80-120	-		20
Cadmium, Total	0.00573	0.051	0.06285	112		-	-		80-120	-		20
Calcium, Total	15.6	10	26.0	104		-	-		80-120	-		20
Chromium, Total	0.00165	0.2	0.2078	103		-	-		80-120	-		20
Cobalt, Total	0.00514	0.5	0.5255	104		-	-		80-120	-		20
Copper, Total	0.01615	0.25	0.2862	108		-	-		80-120	-		20
Iron, Total	0.328	1	1.33	100		-	-		80-120	-		20
Lead, Total	0.04590	0.51	0.5869	106		-	-		80-120	-		20
Magnesium, Total	1.35	10	12.6	112		-	-		80-120	-		20
Manganese, Total	0.5756	0.5	1.137	112		-	-		80-120	-		20
Nickel, Total	0.00308	0.5	0.5415	108		-	-		80-120	-		20
Potassium, Total	2.79	10	13.8	110		-	-		80-120	-		20
Selenium, Total	0.00091J	0.12	0.136	113		-	-		80-120	-		20
Silver, Total	ND	0.05	0.05125	102		-	-		80-120	-		20
Sodium, Total	5.45	10	16.4	110		-	-		80-120	-		20
Thallium, Total	ND	0.12	0.1315	110		-	-		80-120	-		20
Vanadium, Total	0.00207J	0.5	0.5103	102		-	-		80-120	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: RAB1203

Project Number: RAB1203

Lab Number: L1312727

Report Date: 07/16/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG620604-4 QC Sample: L1312727-01 Client ID: SUB-SURFACE VAULT									
Zinc, Total	0.5561	0.5	1.117	112	-	-	80-120	-	20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG620963-4 QC Sample: L1312204-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00605	121	-	-	70-130	-	20

Project Name: RAB1203
Project Number: RAB1203

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1312727
Report Date: 07/16/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG620604-3 QC Sample: L1312727-01 Client ID: SUB-SURFACE VAULT						
Manganese, Total	0.5756	0.5720	mg/l	1		20
Zinc, Total	0.5561	0.5452	mg/l	2		20

Lab Duplicate Analysis Batch Quality Control

Project Name: RAB1203

Project Number: RAB1203

Lab Number: L1312727

Report Date: 07/16/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG620604-3 QC Sample: L1312727-01 Client ID: SUB-SURFACE VAULT					
Aluminum, Total	0.0684	0.0646	mg/l	6	20
Antimony, Total	0.00423	0.00407	mg/l	4	20
Arsenic, Total	0.00048J	0.00041J	mg/l	NC	20
Barium, Total	0.01753	0.01753	mg/l	0	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	0.00573	0.00556	mg/l	3	20
Calcium, Total	15.6	15.7	mg/l	1	20
Chromium, Total	0.00165	0.00158	mg/l	4	20
Cobalt, Total	0.00514	0.00498	mg/l	3	20
Copper, Total	0.01615	0.01583	mg/l	2	20
Iron, Total	0.328	0.334	mg/l	2	20
Lead, Total	0.04590	0.04423	mg/l	4	20
Magnesium, Total	1.35	1.34	mg/l	1	20
Nickel, Total	0.00308	0.00298	mg/l	3	20
Potassium, Total	2.79	2.68	mg/l	4	20
Selenium, Total	0.00091J	0.00094J	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	5.45	5.25	mg/l	4	20
Thallium, Total	ND	ND	mg/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: RAB1203

Project Number: RAB1203

Lab Number: L1312727

Report Date: 07/16/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG620604-3 QC Sample: L1312727-01 Client ID: SUB-SURFACE VAULT					
Vanadium, Total	0.00207J	0.00201J	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG620963-3 QC Sample: L1312204-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

Project Name: RAB1203

Lab Number: L1312727

Project Number: RAB1203

Report Date: 07/16/13

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(*)
L1312727-01A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1312727-01B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1312727-01C	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1312727-01D	Plastic 500ml HNO3 preserved	A	<2	3.3	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1312727-01E	Amber 1000ml unpreserved	A	7	3.3	Y	Absent	NYTCL-8081(7)
L1312727-01F	Amber 1000ml unpreserved	A	7	3.3	Y	Absent	NYTCL-8081(7)
L1312727-01G	Amber 1000ml unpreserved	A	7	3.3	Y	Absent	NYTCL-8082-1200ML(7)
L1312727-01H	Amber 1000ml unpreserved	A	7	3.3	Y	Absent	NYTCL-8082-1200ML(7)
L1312727-01I	Amber 1000ml unpreserved	A	7	3.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1312727-01J	Amber 1000ml unpreserved	A	7	3.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: RAB1203
Project Number: RAB1203

Lab Number: L1312727
Report Date: 07/16/13

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

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 five times (5x) 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.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers



Project Name: RAB1203**Lab Number:** L1312727**Project Number:** RAB1203**Report Date:** 07/16/13**Data Qualifiers**

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.
- 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: RAB1203
Project Number: RAB1203

Lab Number: L1312727
Report Date: 07/16/13

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.



Certificate/Approval Program Summary

Last revised July 2, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. NELAP Accredited Solid Waste/Soil.

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. *Organic Parameters:* ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. *Organic Parameters:* (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. *Microbiology Parameters:* SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters: (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. NELAP Accredited.

Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO₃-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH₃-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO₃-F, 4500-NO₂-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500CI-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO₃-F, 353.2, 4500P-E, 4500SO₄-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. NELAP Accredited.

Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO₃-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500CI-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH₃-H, 4500NO₂-B, 4500NO₃-F, 4500S-D, 4500SO₃-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH₃-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. NELAP Accredited via NJ-DEP.

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commissoon on Environmental Quality Certificate/Lab ID: T104704476. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH₃-H, 4500NO₂B, 4500P-E, 4500 S²⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. NELAP Accredited.

Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO₃-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500CI-E, 4500F-B, 4500F-C, 4500NH₃-H, 4500NO₂-B, 4500NO₃-F, 4500 SO₃-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

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

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 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnaphthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.



ANALYTICAL REPORT

Lab Number:	L1313032
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Derek Ersbak
Phone:	(631) 589-6353
Project Name:	RAB1301
Project Number:	Not Specified
Report Date:	07/19/13

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: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1313032-01	SV005	Not Specified	07/11/13 10:23
L1313032-02	SV004	Not Specified	07/11/13 12:30
L1313032-03	SV007	Not Specified	07/11/13 12:52
L1313032-04	SV006	Not Specified	07/11/13 13:15
L1313032-05	SV-DUP-001	Not Specified	07/11/13 00:00

Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on July 10, 2013. The canister certification results are provided as an addendum.

The field personnel were unable to record the final pressure for the sample designated SV-DUP-001 due to a dead battery in the associated pressure gauge.

Samples L1313032-01 through -05 have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

Samples L1313032-01 through -03 and -05 results for Propylene should be considered estimated due to co-elution with a non-target peak.

Samples L1313032-01, -02 and -05 results for 1,3-Butadiene should be considered estimated due to co-elution with a non-target peak.

Sample L1313032-01 results for Acetone should be considered estimated due to co-elution with a non-target peak.

Samples L1313032-01 and -02 The presence of 2,2,4-Trimethylpentane could not be determined in these samples due to a non-target compound interfering with the identification and quantification of this compound.

Sample L1313032-03 results for Tetrahydrofuran should be considered estimated due to co-elution with a non-target peak.

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: 07/19/13

AIR

Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

SAMPLE RESULTS

Lab ID: L1313032-01 D
 Client ID: SV005
 Sample Location:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 07/17/13 22:43
 Analyst: MB

Date Collected: 07/11/13 10:23
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Propylene	121	4.49	--	208	7.73	--		8.979
Dichlorodifluoromethane	ND	1.80	--	ND	8.90	--		8.979
Chloromethane	ND	1.80	--	ND	3.72	--		8.979
Freon-114	ND	1.80	--	ND	12.6	--		8.979
Vinyl chloride	ND	1.80	--	ND	4.60	--		8.979
1,3-Butadiene	2.21	1.80	--	4.89	3.98	--		8.979
Bromomethane	ND	1.80	--	ND	6.99	--		8.979
Chloroethane	ND	1.80	--	ND	4.75	--		8.979
Ethanol	ND	22.4	--	ND	42.2	--		8.979
Vinyl bromide	ND	1.80	--	ND	7.87	--		8.979
Acetone	371	8.98	--	881	21.3	--		8.979
Trichlorofluoromethane	ND	1.80	--	ND	10.1	--		8.979
Isopropanol	ND	4.49	--	ND	11.0	--		8.979
1,1-Dichloroethene	ND	1.80	--	ND	7.14	--		8.979
Methylene chloride	10.2	8.98	--	35.4	31.2	--		8.979
3-Chloropropene	ND	1.80	--	ND	5.63	--		8.979
Carbon disulfide	9.42	1.80	--	29.3	5.61	--		8.979
Freon-113	ND	1.80	--	ND	13.8	--		8.979
trans-1,2-Dichloroethene	ND	1.80	--	ND	7.14	--		8.979
1,1-Dichloroethane	ND	1.80	--	ND	7.29	--		8.979
Methyl tert butyl ether	ND	1.80	--	ND	6.49	--		8.979
Vinyl acetate	ND	1.80	--	ND	6.34	--		8.979
2-Butanone	27.0	1.80	--	79.6	5.31	--		8.979
cis-1,2-Dichloroethene	ND	1.80	--	ND	7.14	--		8.979



Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

SAMPLE RESULTS

Lab ID: L1313032-01 D
 Client ID: SV005
 Sample Location:

Date Collected: 07/11/13 10:23
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	4.49	--	ND	16.2	--		8.979
Chloroform	3.30	1.80	--	16.1	8.79	--		8.979
Tetrahydrofuran	ND	1.80	--	ND	5.31	--		8.979
1,2-Dichloroethane	ND	1.80	--	ND	7.29	--		8.979
n-Hexane	45.1	1.80	--	159	6.34	--		8.979
1,1,1-Trichloroethane	ND	1.80	--	ND	9.82	--		8.979
Benzene	257	1.80	--	821	5.75	--		8.979
Carbon tetrachloride	ND	1.80	--	ND	11.3	--		8.979
Cyclohexane	29.3	1.80	--	101	6.20	--		8.979
1,2-Dichloropropane	ND	1.80	--	ND	8.32	--		8.979
Bromodichloromethane	ND	1.80	--	ND	12.1	--		8.979
1,4-Dioxane	ND	1.80	--	ND	6.49	--		8.979
Trichloroethene	ND	1.80	--	ND	9.67	--		8.979
2,2,4-Trimethylpentane	ND	1.80	--	ND	8.41	--		8.979
Heptane	9.86	1.80	--	40.4	7.38	--		8.979
cis-1,3-Dichloropropene	ND	1.80	--	ND	8.17	--		8.979
4-Methyl-2-pentanone	ND	1.80	--	ND	7.38	--		8.979
trans-1,3-Dichloropropene	ND	1.80	--	ND	8.17	--		8.979
1,1,2-Trichloroethane	ND	1.80	--	ND	9.82	--		8.979
Toluene	60.3	1.80	--	227	6.78	--		8.979
2-Hexanone	ND	1.80	--	ND	7.38	--		8.979
Dibromochloromethane	ND	1.80	--	ND	15.3	--		8.979
1,2-Dibromoethane	ND	1.80	--	ND	13.8	--		8.979
Tetrachloroethene	ND	1.80	--	ND	12.2	--		8.979
Chlorobenzene	ND	1.80	--	ND	8.29	--		8.979
Ethylbenzene	2.58	1.80	--	11.2	7.82	--		8.979
p/m-Xylene	9.33	3.59	--	40.5	15.6	--		8.979
Bromoform	ND	1.80	--	ND	18.6	--		8.979



Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

SAMPLE RESULTS

Lab ID: L1313032-01 D
 Client ID: SV005
 Sample Location:

Date Collected: 07/11/13 10:23
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	1.80	--	ND	7.66	--		8.979
1,1,2,2-Tetrachloroethane	ND	1.80	--	ND	12.4	--		8.979
o-Xylene	3.51	1.80	--	15.2	7.82	--		8.979
4-Ethyltoluene	ND	1.80	--	ND	8.85	--		8.979
1,3,5-Trimethylbenzene	ND	1.80	--	ND	8.85	--		8.979
1,2,4-Trimethylbenzene	2.30	1.80	--	11.3	8.85	--		8.979
Benzyl chloride	ND	1.80	--	ND	9.32	--		8.979
1,3-Dichlorobenzene	ND	1.80	--	ND	10.8	--		8.979
1,4-Dichlorobenzene	ND	1.80	--	ND	10.8	--		8.979
1,2-Dichlorobenzene	ND	1.80	--	ND	10.8	--		8.979
1,2,4-Trichlorobenzene	ND	1.80	--	ND	13.4	--		8.979
Hexachlorobutadiene	ND	1.80	--	ND	19.2	--		8.979

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	128		60-140
Bromochloromethane	127		60-140
chlorobenzene-d5	122		60-140



Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

SAMPLE RESULTS

Lab ID: L1313032-02 D
 Client ID: SV004
 Sample Location:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 07/17/13 23:14
 Analyst: MB

Date Collected: 07/11/13 12:30
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Propylene	50.0	2.87	--	86.1	4.94	--		5.748
Dichlorodifluoromethane	ND	1.15	--	ND	5.69	--		5.748
Chloromethane	ND	1.15	--	ND	2.37	--		5.748
Freon-114	ND	1.15	--	ND	8.04	--		5.748
Vinyl chloride	ND	1.15	--	ND	2.94	--		5.748
1,3-Butadiene	5.27	1.15	--	11.7	2.54	--		5.748
Bromomethane	ND	1.15	--	ND	4.47	--		5.748
Chloroethane	ND	1.15	--	ND	3.03	--		5.748
Ethanol	71.5	14.4	--	135	27.1	--		5.748
Vinyl bromide	ND	1.15	--	ND	5.03	--		5.748
Acetone	736	5.75	--	1750	13.7	--		5.748
Trichlorofluoromethane	ND	1.15	--	ND	6.46	--		5.748
Isopropanol	35.9	2.87	--	88.2	7.05	--		5.748
1,1-Dichloroethene	ND	1.15	--	ND	4.56	--		5.748
Methylene chloride	ND	5.75	--	ND	20.0	--		5.748
3-Chloropropene	ND	1.15	--	ND	3.60	--		5.748
Carbon disulfide	7.83	1.15	--	24.4	3.58	--		5.748
Freon-113	ND	1.15	--	ND	8.81	--		5.748
trans-1,2-Dichloroethene	ND	1.15	--	ND	4.56	--		5.748
1,1-Dichloroethane	ND	1.15	--	ND	4.65	--		5.748
Methyl tert butyl ether	ND	1.15	--	ND	4.15	--		5.748
Vinyl acetate	ND	1.15	--	ND	4.05	--		5.748
2-Butanone	44.2	1.15	--	130	3.39	--		5.748
cis-1,2-Dichloroethene	ND	1.15	--	ND	4.56	--		5.748



Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

SAMPLE RESULTS

Lab ID: L1313032-02 D
 Client ID: SV004
 Sample Location:

Date Collected: 07/11/13 12:30
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	2.87	--	ND	10.3	--		5.748
Chloroform	5.02	1.15	--	24.5	5.62	--		5.748
Tetrahydrofuran	ND	1.15	--	ND	3.39	--		5.748
1,2-Dichloroethane	ND	1.15	--	ND	4.65	--		5.748
n-Hexane	10.8	1.15	--	38.1	4.05	--		5.748
1,1,1-Trichloroethane	ND	1.15	--	ND	6.27	--		5.748
Benzene	21.6	1.15	--	69.0	3.67	--		5.748
Carbon tetrachloride	ND	1.15	--	ND	7.23	--		5.748
Cyclohexane	3.76	1.15	--	12.9	3.96	--		5.748
1,2-Dichloropropane	ND	1.15	--	ND	5.31	--		5.748
Bromodichloromethane	ND	1.15	--	ND	7.70	--		5.748
1,4-Dioxane	ND	1.15	--	ND	4.14	--		5.748
Trichloroethene	26.7	1.15	--	143	6.18	--		5.748
2,2,4-Trimethylpentane	ND	1.15	--	ND	5.37	--		5.748
Heptane	5.73	1.15	--	23.5	4.71	--		5.748
cis-1,3-Dichloropropene	ND	1.15	--	ND	5.22	--		5.748
4-Methyl-2-pentanone	2.52	1.15	--	10.3	4.71	--		5.748
trans-1,3-Dichloropropene	ND	1.15	--	ND	5.22	--		5.748
1,1,2-Trichloroethane	ND	1.15	--	ND	6.27	--		5.748
Toluene	24.9	1.15	--	93.8	4.33	--		5.748
2-Hexanone	ND	1.15	--	ND	4.71	--		5.748
Dibromochloromethane	ND	1.15	--	ND	9.80	--		5.748
1,2-Dibromoethane	ND	1.15	--	ND	8.84	--		5.748
Tetrachloroethene	ND	1.15	--	ND	7.80	--		5.748
Chlorobenzene	ND	1.15	--	ND	5.30	--		5.748
Ethylbenzene	2.22	1.15	--	9.64	5.00	--		5.748
p/m-Xylene	8.16	2.30	--	35.4	9.99	--		5.748
Bromoform	ND	1.15	--	ND	11.9	--		5.748



Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

SAMPLE RESULTS

Lab ID: L1313032-02 D
 Client ID: SV004
 Sample Location:

Date Collected: 07/11/13 12:30
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	1.15	--	ND	4.90	--		5.748
1,1,2,2-Tetrachloroethane	ND	1.15	--	ND	7.90	--		5.748
o-Xylene	2.89	1.15	--	12.6	5.00	--		5.748
4-Ethyltoluene	ND	1.15	--	ND	5.65	--		5.748
1,3,5-Trimethylbenzene	ND	1.15	--	ND	5.65	--		5.748
1,2,4-Trimethylbenzene	1.87	1.15	--	9.19	5.65	--		5.748
Benzyl chloride	ND	1.15	--	ND	5.95	--		5.748
1,3-Dichlorobenzene	ND	1.15	--	ND	6.91	--		5.748
1,4-Dichlorobenzene	ND	1.15	--	ND	6.91	--		5.748
1,2-Dichlorobenzene	ND	1.15	--	ND	6.91	--		5.748
1,2,4-Trichlorobenzene	ND	1.15	--	ND	8.54	--		5.748
Hexachlorobutadiene	ND	1.15	--	ND	12.3	--		5.748

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	123		60-140
Bromochloromethane	125		60-140
chlorobenzene-d5	121		60-140



Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

SAMPLE RESULTS

Lab ID: L1313032-03 D
 Client ID: SV007
 Sample Location:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 07/17/13 23:44
 Analyst: MB

Date Collected: 07/11/13 12:52
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Propylene	12.4	7.40	--	21.3	12.7	--		14.8
Dichlorodifluoromethane	ND	2.96	--	ND	14.6	--		14.8
Chloromethane	ND	2.96	--	ND	6.11	--		14.8
Freon-114	ND	2.96	--	ND	20.7	--		14.8
Vinyl chloride	ND	2.96	--	ND	7.57	--		14.8
1,3-Butadiene	ND	2.96	--	ND	6.55	--		14.8
Bromomethane	ND	2.96	--	ND	11.5	--		14.8
Chloroethane	ND	2.96	--	ND	7.81	--		14.8
Ethanol	ND	37.0	--	ND	69.7	--		14.8
Vinyl bromide	ND	2.96	--	ND	12.9	--		14.8
Acetone	930	14.8	--	2210	35.2	--		14.8
Trichlorofluoromethane	ND	2.96	--	ND	16.6	--		14.8
Isopropanol	16.6	7.40	--	40.8	18.2	--		14.8
1,1-Dichloroethene	ND	2.96	--	ND	11.7	--		14.8
Methylene chloride	ND	14.8	--	ND	51.4	--		14.8
3-Chloropropene	ND	2.96	--	ND	9.26	--		14.8
Carbon disulfide	ND	2.96	--	ND	9.22	--		14.8
Freon-113	ND	2.96	--	ND	22.7	--		14.8
trans-1,2-Dichloroethene	ND	2.96	--	ND	11.7	--		14.8
1,1-Dichloroethane	ND	2.96	--	ND	12.0	--		14.8
Methyl tert butyl ether	ND	2.96	--	ND	10.7	--		14.8
Vinyl acetate	ND	2.96	--	ND	10.4	--		14.8
2-Butanone	53.2	2.96	--	157	8.73	--		14.8
cis-1,2-Dichloroethene	ND	2.96	--	ND	11.7	--		14.8



Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

SAMPLE RESULTS

Lab ID: L1313032-03 D
 Client ID: SV007
 Sample Location:

Date Collected: 07/11/13 12:52
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	7.40	--	ND	26.7	--		14.8
Chloroform	ND	2.96	--	ND	14.5	--		14.8
Tetrahydrofuran	4.23	2.96	--	12.5	8.73	--		14.8
1,2-Dichloroethane	ND	2.96	--	ND	12.0	--		14.8
n-Hexane	5.90	2.96	--	20.8	10.4	--		14.8
1,1,1-Trichloroethane	ND	2.96	--	ND	16.1	--		14.8
Benzene	ND	2.96	--	ND	9.46	--		14.8
Carbon tetrachloride	ND	2.96	--	ND	18.6	--		14.8
Cyclohexane	ND	2.96	--	ND	10.2	--		14.8
1,2-Dichloropropane	ND	2.96	--	ND	13.7	--		14.8
Bromodichloromethane	ND	2.96	--	ND	19.8	--		14.8
1,4-Dioxane	ND	2.96	--	ND	10.7	--		14.8
Trichloroethene	ND	2.96	--	ND	15.9	--		14.8
2,2,4-Trimethylpentane	ND	2.96	--	ND	13.8	--		14.8
Heptane	6.16	2.96	--	25.2	12.1	--		14.8
cis-1,3-Dichloropropene	ND	2.96	--	ND	13.4	--		14.8
4-Methyl-2-pentanone	6.75	2.96	--	27.7	12.1	--		14.8
trans-1,3-Dichloropropene	ND	2.96	--	ND	13.4	--		14.8
1,1,2-Trichloroethane	ND	2.96	--	ND	16.1	--		14.8
Toluene	40.6	2.96	--	153	11.2	--		14.8
2-Hexanone	ND	2.96	--	ND	12.1	--		14.8
Dibromochloromethane	ND	2.96	--	ND	25.2	--		14.8
1,2-Dibromoethane	ND	2.96	--	ND	22.7	--		14.8
Tetrachloroethene	ND	2.96	--	ND	20.1	--		14.8
Chlorobenzene	ND	2.96	--	ND	13.6	--		14.8
Ethylbenzene	ND	2.96	--	ND	12.9	--		14.8
p/m-Xylene	9.53	5.92	--	41.4	25.7	--		14.8
Bromoform	ND	2.96	--	ND	30.6	--		14.8



Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

SAMPLE RESULTS

Lab ID: L1313032-03 D
 Client ID: SV007
 Sample Location:

Date Collected: 07/11/13 12:52
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	2.96	--	ND	12.6	--		14.8
1,1,2,2-Tetrachloroethane	ND	2.96	--	ND	20.3	--		14.8
o-Xylene	3.55	2.96	--	15.4	12.9	--		14.8
4-Ethyltoluene	ND	2.96	--	ND	14.6	--		14.8
1,3,5-Trimethylbenzene	ND	2.96	--	ND	14.6	--		14.8
1,2,4-Trimethylbenzene	ND	2.96	--	ND	14.6	--		14.8
Benzyl chloride	ND	2.96	--	ND	15.3	--		14.8
1,3-Dichlorobenzene	ND	2.96	--	ND	17.8	--		14.8
1,4-Dichlorobenzene	ND	2.96	--	ND	17.8	--		14.8
1,2-Dichlorobenzene	ND	2.96	--	ND	17.8	--		14.8
1,2,4-Trichlorobenzene	ND	2.96	--	ND	22.0	--		14.8
Hexachlorobutadiene	ND	2.96	--	ND	31.6	--		14.8

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	119		60-140
Bromochloromethane	121		60-140
chlorobenzene-d5	116		60-140



Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

SAMPLE RESULTS

Lab ID: L1313032-04 D
 Client ID: SV006
 Sample Location:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 07/18/13 00:15
 Analyst: MB

Date Collected: 07/11/13 13:15
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Propylene	ND	11.8	--	ND	20.3	--		23.65
Dichlorodifluoromethane	ND	4.73	--	ND	23.4	--		23.65
Chloromethane	ND	4.73	--	ND	9.77	--		23.65
Freon-114	ND	4.73	--	ND	33.1	--		23.65
Vinyl chloride	ND	4.73	--	ND	12.1	--		23.65
1,3-Butadiene	ND	4.73	--	ND	10.5	--		23.65
Bromomethane	ND	4.73	--	ND	18.4	--		23.65
Chloroethane	ND	4.73	--	ND	12.5	--		23.65
Ethanol	200	59.1	--	377	111	--		23.65
Vinyl bromide	ND	4.73	--	ND	20.7	--		23.65
Acetone	944	23.6	--	2240	56.1	--		23.65
Trichlorofluoromethane	ND	4.73	--	ND	26.6	--		23.65
Isopropanol	32.5	11.8	--	79.9	29.0	--		23.65
1,1-Dichloroethene	ND	4.73	--	ND	18.8	--		23.65
Methylene chloride	ND	23.6	--	ND	82.0	--		23.65
3-Chloropropene	ND	4.73	--	ND	14.8	--		23.65
Carbon disulfide	ND	4.73	--	ND	14.7	--		23.65
Freon-113	ND	4.73	--	ND	36.3	--		23.65
trans-1,2-Dichloroethene	ND	4.73	--	ND	18.8	--		23.65
1,1-Dichloroethane	ND	4.73	--	ND	19.1	--		23.65
Methyl tert butyl ether	ND	4.73	--	ND	17.1	--		23.65
Vinyl acetate	ND	4.73	--	ND	16.7	--		23.65
2-Butanone	46.0	4.73	--	136	14.0	--		23.65
cis-1,2-Dichloroethene	ND	4.73	--	ND	18.8	--		23.65



Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

SAMPLE RESULTS

Lab ID: L1313032-04 D
 Client ID: SV006
 Sample Location:

Date Collected: 07/11/13 13:15
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	11.8	--	ND	42.5	--		23.65
Chloroform	ND	4.73	--	ND	23.1	--		23.65
Tetrahydrofuran	ND	4.73	--	ND	14.0	--		23.65
1,2-Dichloroethane	ND	4.73	--	ND	19.1	--		23.65
n-Hexane	10.3	4.73	--	36.3	16.7	--		23.65
1,1,1-Trichloroethane	ND	4.73	--	ND	25.8	--		23.65
Benzene	ND	4.73	--	ND	15.1	--		23.65
Carbon tetrachloride	ND	4.73	--	ND	29.8	--		23.65
Cyclohexane	ND	4.73	--	ND	16.3	--		23.65
1,2-Dichloropropane	ND	4.73	--	ND	21.9	--		23.65
Bromodichloromethane	ND	4.73	--	ND	31.7	--		23.65
1,4-Dioxane	ND	4.73	--	ND	17.0	--		23.65
Trichloroethene	ND	4.73	--	ND	25.4	--		23.65
2,2,4-Trimethylpentane	ND	4.73	--	ND	22.1	--		23.65
Heptane	6.41	4.73	--	26.3	19.4	--		23.65
cis-1,3-Dichloropropene	ND	4.73	--	ND	21.5	--		23.65
4-Methyl-2-pentanone	6.69	4.73	--	27.4	19.4	--		23.65
trans-1,3-Dichloropropene	ND	4.73	--	ND	21.5	--		23.65
1,1,2-Trichloroethane	ND	4.73	--	ND	25.8	--		23.65
Toluene	53.4	4.73	--	201	17.8	--		23.65
2-Hexanone	ND	4.73	--	ND	19.4	--		23.65
Dibromochloromethane	ND	4.73	--	ND	40.3	--		23.65
1,2-Dibromoethane	ND	4.73	--	ND	36.4	--		23.65
Tetrachloroethene	ND	4.73	--	ND	32.1	--		23.65
Chlorobenzene	ND	4.73	--	ND	21.8	--		23.65
Ethylbenzene	ND	4.73	--	ND	20.5	--		23.65
p/m-Xylene	11.7	9.46	--	50.8	41.1	--		23.65
Bromoform	ND	4.73	--	ND	48.9	--		23.65



Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

SAMPLE RESULTS

Lab ID: L1313032-04 D
 Client ID: SV006
 Sample Location:

Date Collected: 07/11/13 13:15
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	4.73	--	ND	20.1	--		23.65
1,1,2,2-Tetrachloroethane	ND	4.73	--	ND	32.5	--		23.65
o-Xylene	4.90	4.73	--	21.3	20.5	--		23.65
4-Ethyltoluene	ND	4.73	--	ND	23.3	--		23.65
1,3,5-Trimethylbenzene	ND	4.73	--	ND	23.3	--		23.65
1,2,4-Trimethylbenzene	13.2	4.73	--	64.9	23.3	--		23.65
Benzyl chloride	ND	4.73	--	ND	24.5	--		23.65
1,3-Dichlorobenzene	ND	4.73	--	ND	28.4	--		23.65
1,4-Dichlorobenzene	ND	4.73	--	ND	28.4	--		23.65
1,2-Dichlorobenzene	ND	4.73	--	ND	28.4	--		23.65
1,2,4-Trichlorobenzene	ND	4.73	--	ND	35.1	--		23.65
Hexachlorobutadiene	ND	4.73	--	ND	50.5	--		23.65

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	116		60-140
Bromochloromethane	121		60-140
chlorobenzene-d5	114		60-140



Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

SAMPLE RESULTS

Lab ID: L1313032-05 D
 Client ID: SV-DUP-001
 Sample Location:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 07/18/13 00:47
 Analyst: MB

Date Collected: 07/11/13 00:00
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Propylene	49.1	7.07	--	84.5	12.2	--		14.14
Dichlorodifluoromethane	ND	2.83	--	ND	14.0	--		14.14
Chloromethane	ND	2.83	--	ND	5.84	--		14.14
Freon-114	ND	2.83	--	ND	19.8	--		14.14
Vinyl chloride	ND	2.83	--	ND	7.23	--		14.14
1,3-Butadiene	4.72	2.83	--	10.4	6.26	--		14.14
Bromomethane	ND	2.83	--	ND	11.0	--		14.14
Chloroethane	ND	2.83	--	ND	7.47	--		14.14
Ethanol	86.5	35.4	--	163	66.7	--		14.14
Vinyl bromide	ND	2.83	--	ND	12.4	--		14.14
Acetone	799	14.1	--	1900	33.5	--		14.14
Trichlorofluoromethane	ND	2.83	--	ND	15.9	--		14.14
Isopropanol	36.4	7.07	--	89.5	17.4	--		14.14
1,1-Dichloroethene	ND	2.83	--	ND	11.2	--		14.14
Methylene chloride	ND	14.1	--	ND	49.0	--		14.14
3-Chloropropene	ND	2.83	--	ND	8.86	--		14.14
Carbon disulfide	9.60	2.83	--	29.9	8.81	--		14.14
Freon-113	ND	2.83	--	ND	21.7	--		14.14
trans-1,2-Dichloroethene	ND	2.83	--	ND	11.2	--		14.14
1,1-Dichloroethane	ND	2.83	--	ND	11.5	--		14.14
Methyl tert butyl ether	ND	2.83	--	ND	10.2	--		14.14
Vinyl acetate	ND	2.83	--	ND	9.96	--		14.14
2-Butanone	50.2	2.83	--	148	8.35	--		14.14
cis-1,2-Dichloroethene	ND	2.83	--	ND	11.2	--		14.14



Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

SAMPLE RESULTS

Lab ID: L1313032-05 D
 Client ID: SV-DUP-001
 Sample Location:

Date Collected: 07/11/13 00:00
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	7.07	--	ND	25.5	--		14.14
Chloroform	5.75	2.83	--	28.1	13.8	--		14.14
Tetrahydrofuran	ND	2.83	--	ND	8.35	--		14.14
1,2-Dichloroethane	ND	2.83	--	ND	11.5	--		14.14
n-Hexane	11.0	2.83	--	38.8	9.97	--		14.14
1,1,1-Trichloroethane	ND	2.83	--	ND	15.4	--		14.14
Benzene	27.5	2.83	--	87.9	9.04	--		14.14
Carbon tetrachloride	ND	2.83	--	ND	17.8	--		14.14
Cyclohexane	4.10	2.83	--	14.1	9.74	--		14.14
1,2-Dichloropropane	ND	2.83	--	ND	13.1	--		14.14
Bromodichloromethane	ND	2.83	--	ND	19.0	--		14.14
1,4-Dioxane	ND	2.83	--	ND	10.2	--		14.14
Trichloroethene	41.1	2.83	--	221	15.2	--		14.14
2,2,4-Trimethylpentane	ND	2.83	--	ND	13.2	--		14.14
Heptane	6.56	2.83	--	26.9	11.6	--		14.14
cis-1,3-Dichloropropene	ND	2.83	--	ND	12.8	--		14.14
4-Methyl-2-pentanone	ND	2.83	--	ND	11.6	--		14.14
trans-1,3-Dichloropropene	ND	2.83	--	ND	12.8	--		14.14
1,1,2-Trichloroethane	ND	2.83	--	ND	15.4	--		14.14
Toluene	34.3	2.83	--	129	10.7	--		14.14
2-Hexanone	ND	2.83	--	ND	11.6	--		14.14
Dibromochloromethane	ND	2.83	--	ND	24.1	--		14.14
1,2-Dibromoethane	ND	2.83	--	ND	21.7	--		14.14
Tetrachloroethene	ND	2.83	--	ND	19.2	--		14.14
Chlorobenzene	ND	2.83	--	ND	13.0	--		14.14
Ethylbenzene	ND	2.83	--	ND	12.3	--		14.14
p/m-Xylene	9.32	5.66	--	40.5	24.6	--		14.14
Bromoform	ND	2.83	--	ND	29.3	--		14.14



Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

SAMPLE RESULTS

Lab ID: L1313032-05 D
 Client ID: SV-DUP-001
 Sample Location:

Date Collected: 07/11/13 00:00
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	2.83	--	ND	12.0	--		14.14
1,1,2,2-Tetrachloroethane	ND	2.83	--	ND	19.4	--		14.14
o-Xylene	3.62	2.83	--	15.7	12.3	--		14.14
4-Ethyltoluene	ND	2.83	--	ND	13.9	--		14.14
1,3,5-Trimethylbenzene	ND	2.83	--	ND	13.9	--		14.14
1,2,4-Trimethylbenzene	ND	2.83	--	ND	13.9	--		14.14
Benzyl chloride	ND	2.83	--	ND	14.7	--		14.14
1,3-Dichlorobenzene	ND	2.83	--	ND	17.0	--		14.14
1,4-Dichlorobenzene	ND	2.83	--	ND	17.0	--		14.14
1,2-Dichlorobenzene	ND	2.83	--	ND	17.0	--		14.14
1,2,4-Trichlorobenzene	ND	2.83	--	ND	21.0	--		14.14
Hexachlorobutadiene	ND	2.83	--	ND	30.2	--		14.14

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	114		60-140
Bromochloromethane	121		60-140
chlorobenzene-d5	114		60-140



Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/17/13 14:39

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG622360-4								
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
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



Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/17/13 14:39

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG622360-4								
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
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/17/13 14:39

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG622360-4								
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: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG622360-3								
Chlorodifluoromethane	84		-		70-130	-		
Propylene	88		-		70-130	-		
Dichlorodifluoromethane	106		-		70-130	-		
Chloromethane	82		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	97		-		70-130	-		
Methanol	79		-		70-130	-		
Vinyl chloride	86		-		70-130	-		
1,3-Butadiene	86		-		70-130	-		
Butane	77		-		70-130	-		
Bromomethane	92		-		70-130	-		
Chloroethane	82		-		70-130	-		
Ethyl Alcohol	84		-		70-130	-		
Dichlorofluoromethane	89		-		70-130	-		
Vinyl bromide	95		-		70-130	-		
Acrolein	71		-		70-130	-		
Acetone	108		-		70-130	-		
Acetonitrile	81		-		70-130	-		
Trichlorofluoromethane	123		-		70-130	-		
iso-Propyl Alcohol	96		-		70-130	-		
Acrylonitrile	79		-		70-130	-		
Pentane	78		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG622360-3								
Ethyl ether	78		-		70-130	-		
1,1-Dichloroethene	101		-		70-130	-		
tert-Butyl Alcohol	90		-		70-130	-		
Methylene chloride	97		-		70-130	-		
3-Chloropropene	118		-		70-130	-		
Carbon disulfide	90		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	106		-		70-130	-		
trans-1,2-Dichloroethene	86		-		70-130	-		
1,1-Dichloroethane	95		-		70-130	-		
Methyl tert butyl ether	91		-		70-130	-		
Vinyl acetate	97		-		70-130	-		
2-Butanone	91		-		70-130	-		
cis-1,2-Dichloroethene	110		-		70-130	-		
Ethyl Acetate	86		-		70-130	-		
Chloroform	114		-		70-130	-		
Tetrahydrofuran	75		-		70-130	-		
2,2-Dichloropropane	100		-		70-130	-		
1,2-Dichloroethane	115		-		70-130	-		
n-Hexane	94		-		70-130	-		
Isopropyl Ether	88		-		70-130	-		
Ethyl-Tert-Butyl-Ether	94		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG622360-3								
1,1,1-Trichloroethane	116		-		70-130	-		
1,1-Dichloropropene	95		-		70-130	-		
Benzene	85		-		70-130	-		
Carbon tetrachloride	120		-		70-130	-		
Cyclohexane	80		-		70-130	-		
Tertiary-Amyl Methyl Ether	82		-		70-130	-		
Dibromomethane	98		-		70-130	-		
1,2-Dichloropropane	86		-		70-130	-		
Bromodichloromethane	105		-		70-130	-		
1,4-Dioxane	88		-		70-130	-		
Trichloroethene	101		-		70-130	-		
2,2,4-Trimethylpentane	86		-		70-130	-		
Methyl methacrylate	116		-		70-130	-		
Heptane	95		-		70-130	-		
cis-1,3-Dichloropropene	95		-		70-130	-		
4-Methyl-2-pentanone	88		-		70-130	-		
trans-1,3-Dichloropropene	87		-		70-130	-		
1,1,2-Trichloroethane	98		-		70-130	-		
Toluene	80		-		70-130	-		
1,3-Dichloropropane	78		-		70-130	-		
2-Hexanone	75		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG622360-3								
Dibromochloromethane	94		-		70-130	-		
1,2-Dibromoethane	96		-		70-130	-		
Octane	70		-		70-130	-		
Tetrachloroethene	94		-		70-130	-		
1,1,1,2-Tetrachloroethane	92		-		70-130	-		
Chlorobenzene	91		-		70-130	-		
Ethylbenzene	86		-		70-130	-		
p/m-Xylene	90		-		70-130	-		
Bromoform	91		-		70-130	-		
Styrene	84		-		70-130	-		
1,1,2,2-Tetrachloroethane	89		-		70-130	-		
o-Xylene	93		-		70-130	-		
1,2,3-Trichloropropane	80		-		70-130	-		
Nonane (C9)	81		-		70-130	-		
Isopropylbenzene	88		-		70-130	-		
Bromobenzene	83		-		70-130	-		
o-Chlorotoluene	88		-		70-130	-		
n-Propylbenzene	86		-		70-130	-		
p-Chlorotoluene	88		-		70-130	-		
4-Ethyltoluene	83		-		70-130	-		
1,3,5-Trimethylbenzene	94		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG622360-3								
tert-Butylbenzene	92		-		70-130	-		
1,2,4-Trimethylbenzene	99		-		70-130	-		
Decane (C10)	81		-		70-130	-		
Benzyl chloride	72		-		70-130	-		
1,3-Dichlorobenzene	96		-		70-130	-		
1,4-Dichlorobenzene	96		-		70-130	-		
sec-Butylbenzene	88		-		70-130	-		
p-Isopropyltoluene	87		-		70-130	-		
1,2-Dichlorobenzene	96		-		70-130	-		
n-Butylbenzene	93		-		70-130	-		
1,2-Dibromo-3-chloropropane	99		-		70-130	-		
Undecane	87		-		70-130	-		
1,2,4-Trichlorobenzene	101		-		70-130	-		
Naphthalene	94		-		70-130	-		
1,2,3-Trichlorobenzene	94		-		70-130	-		
Hexachlorobutadiene	101		-		70-130	-		

Lab Duplicate Analysis

Batch Quality Control

Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG622360-5 QC Sample: L1313177-01 Client ID: DUP Sample						
Propylene	117	106	ppbV	10		25
Dichlorodifluoromethane	0.734	0.678	ppbV	8		25
Chloromethane	ND	ND	ppbV	NC		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	12.7	12.3	ppbV	3		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	13.9	14.3	ppbV	3		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	323	301	ppbV	7		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
iso-Propyl Alcohol	2.20	1.79	ppbV	21		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	1.42	1.43	ppbV	1		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis Batch Quality Control

Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG622360-5 QC Sample: L1313177-01 Client ID: DUP Sample					
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
Vinyl acetate	ND	ND	ppbV	NC	25
2-Butanone	7.79	7.84	ppbV	1	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	20.5	19.6	ppbV	4	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	19.9	20.0	ppbV	1	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	8.02	8.18	ppbV	2	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	3.84	3.81	ppbV	1	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25

Lab Duplicate Analysis Batch Quality Control

Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG622360-5 QC Sample: L1313177-01 Client ID: DUP Sample					
Heptane	13.0	12.5	ppbV	4	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	28.4	29.6	ppbV	4	25
2-Hexanone	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	9.20	9.50	ppbV	3	25
p/m-Xylene	34.9	35.6	ppbV	2	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	0.533	0.544	ppbV	2	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	12.3	12.6	ppbV	2	25
4-Ethyltoluene	4.20	4.38	ppbV	4	25
1,3,5-Trimethylbenzene	4.00	4.00	ppbV	0	25

Lab Duplicate Analysis Batch Quality Control

Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG622360-5 QC Sample: L1313177-01 Client ID: DUP Sample					
1,2,4-Trimethylbenzene	15.0	15.1	ppbV	1	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

Project Name: RAB1301

Serial_No:07191315:19
Lab Number: L1313032

Project Number:

Report Date: 07/19/13

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
L1313032-01	SV005	0124	#20 SV	07/10/13	90605		-	-	-	Pass	6.7	6.9	3
L1313032-01	SV005	755	1.0L Can	07/10/13	90605	L1312473-02	Pass	-29.5	-6.5	-	-	-	-
L1313032-02	SV004	0544	#16 AMB	07/10/13	90605		-	-	-	Pass	6.7	6.7	0
L1313032-02	SV004	818	1.0L Can	07/10/13	90605	L1312473-02	Pass	-29.2	-7.9	-	-	-	-
L1313032-03	SV007	0158	#20 SV	07/10/13	90605		-	-	-	Pass	6.7	6.5	3
L1313032-03	SV007	875	1.0L Can	07/10/13	90605	L1312473-02	Pass	-29.5	-8.3	-	-	-	-
L1313032-04	SV006	0103	#16 AMB	07/10/13	90605		-	-	-	Pass	6.2	5.7	8
L1313032-04	SV006	799	1.0L Can	07/10/13	90605	L1312473-02	Pass	-29.6	-3.0	-	-	-	-
L1313032-05	SV-DUP-001	0019	#20 SV	07/10/13	90605		-	-	-	Pass	6.6	6.8	3
L1313032-05	SV-DUP-001	568	1.0L Can	07/10/13	90605	L1312473-02	Pass	-29.6	-7.6	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1312473**Project Number:** CANISTER QC BAT**Report Date:** 07/19/13**Air Canister Certification Results**

Lab ID: L1312473-02
Client ID: CAN 841 SHELF 7
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 07/05/13 17:25
Analyst: RY

Date Collected: 07/02/13 15:54
Date Received: 07/03/13
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	0.200	--	ND	0.361	--		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: L1312473
Report Date: 07/19/13

Air Canister Certification Results

Lab ID: L1312473-02
Client ID: CAN 841 SHELF 7
Sample Location:

Date Collected: 07/02/13 15:54
Date Received: 07/03/13
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**Lab Number:** L1312473**Project Number:** CANISTER QC BAT**Report Date:** 07/19/13**Air Canister Certification Results**

Lab ID: L1312473-02

Date Collected: 07/02/13 15:54

Client ID: CAN 841 SHELF 7

Date Received: 07/03/13

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								
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: L1312473
Report Date: 07/19/13

Air Canister Certification Results

Lab ID: L1312473-02
Client ID: CAN 841 SHELF 7
Sample Location:

Date Collected: 07/02/13 15:54
Date Received: 07/03/13
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:** L1312473**Project Number:** CANISTER QC BAT**Report Date:** 07/19/13**Air Canister Certification Results**

Lab ID: L1312473-02

Date Collected: 07/02/13 15:54

Client ID: CAN 841 SHELF 7

Date Received: 07/03/13

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	72		60-140
Bromochloromethane	71		60-140
chlorobenzene-d5	83		60-140

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

Lab Number: L1312473
Report Date: 07/19/13

Air Canister Certification Results

Lab ID: L1312473-02
Client ID: CAN 841 SHELF 7
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 07/05/13 17:25
Analyst: RY

Date Collected: 07/02/13 15:54
Date Received: 07/03/13
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: L1312473
Report Date: 07/19/13

Air Canister Certification Results

Lab ID: L1312473-02
Client ID: CAN 841 SHELF 7
Sample Location:

Date Collected: 07/02/13 15:54
Date Received: 07/03/13
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
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
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1312473**Project Number:** CANISTER QC BAT**Report Date:** 07/19/13**Air Canister Certification Results**

Lab ID: L1312473-02

Date Collected: 07/02/13 15:54

Client ID: CAN 841 SHELF 7

Date Received: 07/03/13

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								
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	75		60-140
bromochloromethane	72		60-140
chlorobenzene-d5	83		60-140

Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

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 Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1313032-01A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1313032-02A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1313032-03A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1313032-04A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1313032-05A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

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

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 five times (5x) 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.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: Data Usability Report



Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

Data Qualifiers

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.
- 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: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

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.



Certificate/Approval Program Summary

Last revised August 3, 2012 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held. For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable). Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Titanium, Vanadium, Zinc, Total Organic Carbon, Corrosivity, TCLP 1311, SPLP 1312. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020A, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050B, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 180.1, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B, 3020A, . Organic Parameters: EPA 3510C, 3630C, 3640A, 3660B, 8081B, 8082A, 8270C, 8270D, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 3050B, 3051A, 6020A, 7471B, 9040B, 9045C. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3020A, SM2320B, SM2540D, 2540G, 4500H-B, EPA 180.1, 1631E, SW-846 7470A, 9040C, 6020A, 9050A. Organic Parameters: SW-846 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 6020A, 7471B, 7474, 9040B, 9040C, 9045C, 9045D, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8081B, 8082A, 8270C, 8270D, 8015D.)

Atmospheric Organic Parameters (EPA 3C, TO-15, TO-10A, TO-13A-SIM.)

Biological Tissue (Inorganic Parameters: SW-846 6020A. Organic Parameters: SW-846 8270C, 8270D, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, 6020A, 1631E, 7470A, 9050A, EPA 180.1, 3020A. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 3510C.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474, 9040C, 9045D. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 1311, 3050B, 3580A, 3570, 3051A.)

Air & Emissions (EPA TO-15, TO-10A.)

Pennsylvania Certificate/Lab ID: 68-02089 **NELAP Accredited**

Non-Potable Water (Inorganic Parameters: 1312, 1631E, 180.1, 3020A, 6020A, 7470A, 9040B, 9050A, 2320B, 2540D, 2540G, SM4500H+-B. Organic Parameters: 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3051A, 6020A, 7471B, 7474 9040B, 9045C, 9060. Organic Parameters: EPA3050B, 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8270D, 8081B, 8015D, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. **NELAP Accredited via NJ-DEP.**

Refer to NJ-DEP Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. **NELAP Accredited.**

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:460194. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters:EPA 3020A, 6020A, 245.7, 9040B. Organic Parameters: EPA 3510C, 3640A, 3660B, 3665A, 8270C, 8270D, 8082A, 8081B, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020A,7470A,7471B,9040B,9045C,3050B,3051, 9060. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015, 8270.)

U.S. Army Corps of Engineers

Department of Defense, L-A-B Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH, 8082A, 8081B, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH 8082A, 8081B, 8015D-SHC, 8015D.)

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C**: Biphenyl. **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, 2-Methylnaphthalene, 1-Methylnaphthalene.



AIR ANALYSIS

CHAIN OF CUSTODY

PAGE _____ OF _____

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

Client Information

Client: PNGC
Address: 630 Johnson Ave.
Bohemia, NY 11716
Phone: 631.589.6353
Fax: 631.589.8705
Email: dereke@pngrosser.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project Information

Project Name:

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

Turn-Around Time

☐ Standard☐ RUSH (only confirmed if pre-approved!)

Date Due:

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 #: 41313032

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						Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14	TO-15	TO-15	APH	FIXED	TO-13	TO-4	Sample Comments (i.e. PID)
		Date	Start Time	End Time	Initial Vacuum	Final Vacuum														
41313032-1	SV005	7/11/13	0822	1023	-30.14	-6.31	SV	JCLAR			755	0124								
2	SV004	↓	1082	1230	-29.32	-7.77	↓	↓			818	0544								
3	SV007	↓	1048	1252	-30.20	-8.17	↓	↓			875	0158								
4	SV006	↓	1112	1315	-29.60	-2.60	↓	↓			799	0103								
5	SV-Dup-001	↓	XX	XX	-29.60	NA	↓	↓			568	0019								Flow controller, no battery.

*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:

Date/Time

Received By:

Date/Time:



ANALYTICAL REPORT

Lab Number:	L1313126
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Derek Ersbak
Phone:	(631) 589-6353
Project Name:	BCP PROJECT
Project Number:	RAB 1301
Report Date:	07/26/13

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: BCP PROJECT
Project Number: RAB 1301

Lab Number: L1313126
Report Date: 07/26/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1313126-01	SB017 (0-2')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 11:15
L1313126-02	SB017 (6-8')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 11:20
L1313126-03	SB017 (10-12')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 11:25
L1313126-04	SB018 (0-2')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 13:10
L1313126-05	SB018 (6-8')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 13:15
L1313126-06	SB018 (10-12')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 13:20
L1313126-07	SB019 (0-2')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 15:20
L1313126-08	SB019 (6-8')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 15:25
L1313126-09	SB019 (10-12')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 15:30
L1313126-10	SB020 (0-2')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 11:45
L1313126-11	SB020 (6-8')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 12:00
L1313126-12	SB020 (10-12')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 12:15
L1313126-13	SB021 (0-2')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 12:40
L1313126-14	SB021 (6-8')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 12:45
L1313126-15	SB021 (10-12')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 12:50
L1313126-16	SB022 (0-2')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 13:55
L1313126-17	SB022 (6-8')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 14:00
L1313126-18	SB022 (10-12')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 14:05
L1313126-19	SOIL_DUP_001	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 00:00
L1313126-20	EQUIP_BLANK_SOIL_001	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 09:25
L1313126-21	SB020 (GW)	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 12:20
L1313126-22	SB021 (GW)	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 13:00
L1313126-23	SB022 (GW)	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 14:40
L1313126-24	GW_DUP_001	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 00:00
L1313126-25	EQUIP_BLANK_GW_001	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 08:30
L1313126-26	TRIP BLANK	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 00:00
L1313126-27	SB023 (6-8')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 08:50
L1313126-28	FD002	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 09:40
L1313126-29	FD005	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 09:50
L1313126-30	FD007	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 09:20
L1313126-31	FD009	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 10:00

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1313126-32	FD015	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 09:00
L1313126-33	FD_DUP_001	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 00:00
L1313126-34	EQUIP_BLANK_FD_001	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 10:45
L1313126-35	TRIP BLANK	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 00:00

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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 free of charge for 30 days from the date the project is completed. After 30 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.

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

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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.

The element list for metals analysis was specified by the client.

At the client's request, the Equipment Blank samples were not analyzed for Dissolved Metals.

Volatile Organics

The surrogate recovery for L1313126-07 and -27 is below the acceptance criteria for Dibromofluoromethane (36% and 64%, respectively), due to a known matrix effect caused by the high pH of the sample (>10).

L1313126-09 and -15 have elevated detection limits due to the dilutions required by the elevated concentrations of non-target compounds in the sample.

The surrogate recovery for L1313126-20 and -21 is above the acceptance criteria for 4-Bromofluorobenzene (136% and 139%, respectively).

The surrogate recovery for L1313126-23 was outside the acceptance criteria for 4-Bromofluorobenzene (147%); however, re-analysis could not be performed due to lack of additional sample (there was excessive sediment in all 3 vials provided by the client). The results of the original analysis are reported.

The WG622928-4 MS recoveries, performed on L1313126-21, are below the acceptance criteria for Bromomethane (36%), 1,2,3-Trichlorobenzene (65%) and 1,2,4-Trichlorobenzene (66%); however, the associated LCS/LCSD recoveries are within overall method allowances.

The WG622928-4/-5 MS/MSD RPD, performed on L1313126-21, is above the acceptance criteria for Bromomethane (34%).

The WG623224-4/-5 MS/MSD recoveries, performed on L1313126-01, are outside the acceptance criteria for Dibromochloromethane (67%/59%), 1,1,2-Trichloroethane (MSD at 69%), Tetrachloroethene (MSD at 47%), Chlorobenzene (55%/42%), Bromodichloromethane (MSD at 66%), trans-1,3-Dichloropropene (46%/41%), cis-1,3-Dichloropropene (64%/54%), 1,1-Dichloropropene (MSD at 60%), Bromoform (60%/54%), 1,1,2,2-Tetrachloroethane (62%/57%), Toluene (MSD at 57%), Ethylbenzene (66%/44%), trans-1,2-Dichloroethene (MSD at 62%), Trichloroethene (MSD at 60%), 1,2-Dichlorobenzene (35%/25%), 1,3-Dichlorobenzene (34%/22%), 1,4-Dichlorobenzene (29%/20%), p/m-Xylene (63%/42%), o-Xylene (66%/48%), cis-1,2-

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Dichloroethene (MSD at 66%), Dibromomethane (69%/64%), Styrene (45%/35%), Acetone (226%/176%), Carbon disulfide (MSD at 57%), 2-Butanone (156%/141%), 1,2,3-Trichloropropane (MSD at 62%), 1,2-Dibromoethane (62%/58%), 1,3-Dichloropropane (68%/62%), 1,1,1,2-Tetrachloroethane (MSD at 60%), Bromobenzene (44%/33%), n-Butylbenzene (45%/22%), sec-Butylbenzene (62%/30%), tert-Butylbenzene (68%/35%), o-Chlorotoluene (53%/34%), p-Chlorotoluene (41%/26%), 1,2-Dibromo-3-chloropropane (55%/49%), Hexachlorobutadiene (44%/19%), Isopropylbenzene (66%/40%), p-Isopropyltoluene (58%/28%), Naphthalene (21%/21%), n-Propylbenzene (53%/34%), 1,2,3-Trichlorobenzene (21%/15%), 1,2,4-Trichlorobenzene (19%/13%), 1,3,5-Trimethylbenzene (60%/34%), 1,2,4-Trimethylbenzene (56%/34%), 1,4-Diethylbenzene (48%/24%), 4-Ethyltoluene (56%/31%), 1,2,4,5-Tetramethylbenzene (46%/24%) and trans-1,4-Dichloro-2-butene (36%/32%).

The WG623224-4/-5 MS/MSD RPDs, performed on L1313126-01, are above the acceptance criteria for Methylene chloride (49%), 1,1-Dichloroethane (49%), Chloroform (49%), Carbon tetrachloride (62%), 1,2-Dichloropropane (48%), Dibromochloromethane (47%), 1,1,2-Trichloroethane (43%), Tetrachloroethene (79%), Chlorobenzene (62%), Trichlorofluoromethane (54%), 1,2-Dichloroethane (43%), 1,1,1-Trichloroethane (55%), Bromodichloromethane (49%), trans-1,3-Dichloropropene (47%), cis-1,3-Dichloropropene (51%), 1,1-Dichloropropene (68%), Bromoform (46%), 1,1,2,2-Tetrachloroethane (45%), Benzene (51%), Toluene (59%), Ethylbenzene (73%), Chloromethane (48%), Bromomethane (47%), Vinyl chloride (54%), Chloroethane (50%), 1,1-Dichloroethene (57%), trans-1,2-Dichloroethene (61%), Trichloroethene (68%), 1,2-Dichlorobenzene (65%), 1,3-Dichlorobenzene (75%), 1,4-Dichlorobenzene (69%), Methyl tert butyl ether (42%), p/m-Xylene (72%), o-Xylene (67%), cis-1,2-Dichloroethene (51%), Dibromomethane (44%), Styrene (59%), Dichlorodifluoromethane (51%), Acetone (60%), Carbon disulfide (70%), 2-Butanone (45%), Vinyl acetate (45%), 4-Methyl-2-pentanone (40%), 1,2,3-Trichloropropane (45%), 2-Hexanone (44%), Bromochloromethane (46%), 2,2-Dichloropropane (55%), 1,2-Dibromoethane (42%), 1,3-Dichloropropane (44%), 1,1,1,2-Tetrachloroethane (56%), Bromobenzene (63%), n-Butylbenzene (100%), sec-Butylbenzene (100%), tert-Butylbenzene (96%), o-Chlorotoluene (78%), p-Chlorotoluene (78%), 1,2-Dibromo-3-chloropropane (46%), Hexachlorobutadiene (106%), Isopropylbenzene (82%), p-Isopropyltoluene (99%), Naphthalene (36%), Acrylonitrile (36%), n-Propylbenzene (78%), 1,2,3-Trichlorobenzene (67%), 1,2,4-Trichlorobenzene (67%), 1,3,5-Trimethylbenzene (87%), 1,2,4-Trimethylbenzene (82%), 1,4-Dioxane (45%),

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1,4-Diethylbenzene (97%), 4-Ethyltoluene (89%), 1,2,4,5-Tetramethylbenzene (94%), Ethyl ether (42%) and trans-1,4-Dichloro-2-butene (48%).

The WG623224-6/-7 MS/MSD recoveries, performed on L1313126-32, are below the acceptance criteria for Methylene chloride (MSD at 65%), 1,1-Dichloroethane (58%/57%), Chloroform (50%/51%), Carbon tetrachloride (20%/26%), 1,2-Dichloropropane (44%/46%), Dibromochloromethane (31%/33%), 1,1,2-Trichloroethane (45%/44%), Tetrachloroethene (11%/17%), Chlorobenzene (15%/19%), Trichlorofluoromethane (40%/46%), 1,2-Dichloroethane (57%/54%), 1,1,1-Trichloroethane (33%/38%), Bromodichloromethane (38%/40%), trans-1,3-Dichloropropene (26%/25%), cis-1,3-Dichloropropene (30%/31%), 1,1-Dichloropropene (22%/28%), Bromoform (28%/27%), 1,1,2,2-Tetrachloroethane (32%/31%), Benzene (41%/45%), Toluene (22%/27%), Ethylbenzene (12%/16%), Bromomethane (MSD at 51%), Vinyl chloride (64%/60%), 1,1-Dichloroethene (47%/50%), trans-1,2-Dichloroethene (38%/37%), Trichloroethene (21%/27%), 1,2-Dichlorobenzene (6%/9%), 1,3-Dichlorobenzene (6%/9%), 1,4-Dichlorobenzene (6%/9%), p/m-Xylene (13%/16%), o-Xylene (11%/16%), cis-1,2-Dichloroethene (46%/46%), Dibromomethane (48%/45%), Styrene (10%/14%), Acetone (6%/9%), Carbon disulfide (24%/26%), 2-Butanone (69%/58%), Vinyl acetate (62%/58%), 4-Methyl-2-pentanone (56%/51%), 1,2,3-Trichloropropane (43%/39%), 2-Hexanone (39%/35%), Bromochloromethane (56%/52%), 2,2-Dichloropropane (46%/48%), 1,2-Dibromoethane (39%/40%), 1,3-Dichloropropane (45%/44%), 1,1,1,2-Tetrachloroethane (20%/24%), Bromobenzene (12%/15%), n-Butylbenzene (3%/6%), sec-Butylbenzene (4%/8%), tert-Butylbenzene (6%/9%), o-Chlorotoluene (7%/11%), p-Chlorotoluene (7%/10%), 1,2-Dibromo-3-chloropropane (19%/20%), Hexachlorobutadiene (2%/4%), Isopropylbenzene (6%/10%), p-Isopropyltoluene (3%/7%), Naphthalene (8%/9%), Acrylonitrile (MSD at 57%), n-Propylbenzene (7%/11%), 1,2,3-Trichlorobenzene (2%/4%), 1,2,4-Trichlorobenzene (0%/0%), 1,3,5-Trimethylbenzene (6%/10%), 1,2,4-Trimethylbenzene (8%/11%), 1,4-Diethylbenzene (4%/7%), 4-Ethyltoluene (8%/10%), 1,2,4,5-Tetramethylbenzene (5%/7%) and trans-1,4-Dichloro-2-butene (13%/10%).

The WG623224-6/-7 MS/MSD RPDs, performed on L1313126-32, are above the acceptance criteria for 1,1-Dichloroethane (31%), Chloroform (34%), Carbon tetrachloride (100%), 1,2-Dichloropropane (45%), Dibromochloromethane (54%), 1,1,2-Trichloroethane (35%), Tetrachloroethene (117%), Chlorobenzene (83%), Trichlorofluoromethane (59%), 1,1,1-Trichloroethane (72%), Bromodichloromethane (46%), trans-1,3-

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Dichloropropene (44%), cis-1,3-Dichloropropene (55%), 1,1-Dichloropropene (87%), Bromoform (61%), 1,1,2,2-Tetrachloroethane (53%), Benzene (46%), Toluene (78%), Ethylbenzene (111%), Bromomethane (36%), 1,1-Dichloroethene (48%), trans-1,2-Dichloroethene (59%), Trichloroethene (69%), 1,2-Dichlorobenzene (105%), 1,3-Dichlorobenzene (106%), 1,4-Dichlorobenzene (90%), p/m-Xylene (108%), o-Xylene (113%), cis-1,2-Dichloroethene (36%), Styrene (94%), Acetone (39%), Carbon disulfide (91%), 2-Butanone (79%), 4-Methyl-2-pentanone (45%), 1,2,3-Trichloropropane (41%), 2-Hexanone (97%), 2,2-Dichloropropane (56%), 1,1,1,2-Tetrachloroethane (90%), Bromobenzene (83%), n-Butylbenzene (147%), sec-Butylbenzene (149%), tert-Butylbenzene (148%), o-Chlorotoluene (122%), p-Chlorotoluene (108%), 1,2-Dibromo-3-chloropropane (80%), Hexachlorobutadiene (161%), Isopropylbenzene (139%), p-Isopropyltoluene (150%), Naphthalene (66%), n-Propylbenzene (122%), 1,2,3-Trichlorobenzene (133%), 1,3,5-Trimethylbenzene (137%), 1,2,4-Trimethylbenzene (128%), 1,4-Diethylbenzene (142%), 4-Ethyltoluene (128%), 1,2,4,5-Tetramethylbenzene (138%) and trans-1,4-Dichloro-2-butene (105%).

Semivolatile Organics

L1313126-01, -16, -17 and -31 have elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples.

The surrogate recovery for L1313126-01 was below the acceptance criteria for 2-Fluorophenol (6%); however, the MS/MSD confirmed the surrogate non-conformance (2%/7%).

The surrogate recovery for L1313126-04 was outside the acceptance criteria for 2-Fluorophenol (1%); however, re-extraction achieved similar results for 2-Fluorophenol (2%) . The results of both extractions are reported.

L1313126-11 and -32 have elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the sample matrices.

The surrogate recoveries for L1313126-11, -14, -29, -30 and -33 are below the acceptance criteria for 2-Fluorophenol, Phenol-d6, Nitrobenzene-d5, 2-Fluorobiphenyl and 4-Terphenyl-d14 (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

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The surrogate recovery for L1313126-13 was outside the acceptance criteria for 2-Fluorophenol (5%); however, re-extraction achieved similar results for 2-Fluorophenol (1%) and Phenol-d6 (9%). The results of both extractions are reported.

The WG621521-2/-3 LCS/LCSD recoveries, associated with L1313126-20 through -25 and -34, are above the acceptance criteria for 1,2,4-Trichlorobenzene (106%/104%), 1,4-Dichlorobenzene (105%/103%), 2,4-Dinitrotoluene (145%/140%), 2,6-Dinitrotoluene (LCS at 145%), n-Nitrosodi-n-propylamine (LCS at 135%), Butyl benzyl phthalate (LCS at 142%), Di-n-octylphthalate (LCS at 141%), Acetophenone (146%/140%), 2,4,6-Trichlorophenol (139%/131%), P-Chloro-M-Cresol (151%/140%), 2-Chlorophenol (134%/128%), 2,4-Dichlorophenol (147%/138%), 2,4-Dimethylphenol (LCS at 136%), 2-Nitrophenol (142%/136%), 4-Nitrophenol (82%/86%) and 2,4,5-Trichlorophenol (154%/145%); however, the associated samples are non-detect for these target compounds. The results of the original analysis are reported.

The WG621521-4/-5 MS/MSD recoveries, performed on L1313126-21, are outside the acceptance criteria for 1,2,4-Trichlorobenzene (120%/110%), 1,4-Dichlorobenzene (MS at 110%), 3,3'-Dichlorobenzidine (10%/19%), 2,4-Dinitrotoluene (130%/120%), Bis(2-ethylhexyl)phthalate (MS at 150%), Di-n-octylphthalate (150%/150%), Acetophenone (140%/130%), 2,4,6-Trichlorophenol (MS at 140%), P-Chloro-M-Cresol (130%/130%), 2-Chlorophenol (MS at 130%), 2,4-Dichlorophenol (MS at 150%), 4-Nitrophenol (MS at 83%) and 2,4,5-Trichlorophenol (140%/140%).

The WG621521-4/-5 MS/MSD RPD, performed on L1313126-21, is above the acceptance criteria for 3,3'-Dichlorobenzidine (60%).

The WG621794-4/-5 MS/MSD recoveries, performed on L1313126-01, are outside the acceptance criteria for Fluoranthene (MSD at 160%), Bis(2-chloroisopropyl)ether (MS at 38%), Hexachlorocyclopentadiene (MSD at 21%), Pyrene (MSD at 170%), 4-Chloroaniline (MS at 32%), 4-Nitroaniline (MS at 34%), 2-Chlorophenol (MSD at 15%), 2,4-Dichlorophenol (MSD at 8%) and Phenol (MS at 21%).

The WG621794-4/-5 MS/MSD recoveries, performed on L1313126-01, are below the acceptance criteria for Hexachlorocyclopentadiene (MS at 0%), 2,4,6-Trichlorophenol (0%/0%), 2-Chlorophenol (MS at 0%), 2,4-Dichlorophenol (MS at 0%), 2-Nitrophenol (0%/0%), 4-Nitrophenol (0%/0%), 2,4-Dinitrophenol (0%/0%), 4,6-Dinitro-o-cresol (0%/0%), Pentachlorophenol (0%/0%), 2,4,5-Trichlorophenol (0%/0%) and Benzoic Acid (0%/0%), due to the concentrations of these compounds falling below the reported detection limits.

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The WG621794-4/-5 MS/MSD RPD, performed on L1313126-01, is above the acceptance criteria for P-Chloro-M-Cresol (57%).

The WG621800 MS/MSD, performed on L1313126-32, was not analyzed because the dilution required by the matrix of the sample to be utilized for the MS/MSD would have caused the spike compounds to be diluted below the range of calibration.

Semivolatile Organics-SIM

The WG621522-4 MS recovery, performed on L1313126-21, is above the acceptance criteria for Pentachlorophenol (120%).

PCBs

L1313126-20: The internal standard (IS) response for 1-Bromo-2-nitrobenzene was below the acceptance criteria; however, the criteria was achieved upon re-extraction outside of holding time. The results of both analyses are reported. Due to the low recovery of the internal standard, the surrogate recoveries for L1313126-20 are outside the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (1950%/1870%) and Decachlorobiphenyl (2680%/2760%).

L1313126-32 and -33 have elevated detection limits due to the dilutions required by the sample matrices. The surrogate recoveries for L1313126-32 and -33 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analysis are reported.

The WG622947-4/-5 MS/MSD, performed on L1313126-32, was not analyzed because the dilution required by the matrix of the sample to be utilized for the MS/MSD would have caused the spike compounds to be diluted below the range of calibration.

Pesticides

L1313126-01, -03, -09 through -17, -19, and -27 through -33 have elevated detection limits due to the dilutions required by the sample matrices.

The dual column RPDs for the following samples are above the acceptance criteria for the listed compounds;

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however, obvious column interferences are present. Due to these interferences, the lower of the two results are reported and qualified with a "P".

L1313126-01: 4,4'-DDE

L1313126-04: Alpha-BHC and 4,4'- DDE

L1313126-13: Endrin

L1313126-30: 4,4'-DDE

The surrogate recoveries for L1313126-09, -10, -12 and -15 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

The surrogate recovery for L1313126-16 is above the acceptance criteria for Decachlorobiphenyl (157%/242%). Since the sample was non-detect to the RL for all target analytes, re-analysis was not required.

The surrogate recovery for L1313126-17 is above the acceptance criteria for Decachlorobiphenyl (162%/229%). Since the sample was non-detect to the RL for all target analytes, re-analysis was not required.

The surrogate recoveries for the following samples are outside the acceptance criteria for Decachlorobiphenyl; however, the samples were not re-extracted due to coelution with obvious interferences. Copies of the chromatograms are included as an attachment to this report.

L1313126-29: 224%/858%

L1313126-30: 377%/1090%

Total Metals

L1313126-01 through -19, -23, and -27 through -33 have elevated detection limits for all elements, with the exception of Mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG621945-1 Method Blank, associated with L1313126-01 through -19, has concentrations above the reporting limits for Aluminum and Calcium. Since the associated sample concentrations are greater than 5x the blank concentration for these analytes, no qualification of the results was performed.

The WG621945-3/-4 MS recoveries for Aluminum (303%/61%), Calcium (606%/244%), Lead (262%/263%), Iron (0%/2440%), Magnesium (MS at 73%), Manganese (0%/0%) and Zinc (73%/73%), performed on L1313126-01, do not apply because the sample concentrations are greater than four times the spike amount

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Case Narrative (continued)

added.

The WG621945-3/-4 MS/MSD recoveries, performed on L1313126-01, are above the acceptance criteria for Chromium (MSD at 158%) and Copper (131%/127%). A post digestion spike was performed with acceptable recoveries for Chromium (92%) and Copper (103%).

The WG621975-3/-4 MS/MSD recoveries for Aluminum (680%/648%), Calcium (1190%/605%), Chromium (0%/0%), Copper (0%/0%), Iron (0%/0%), Lead (MS at 67%), Manganese (0%/0%) and Zinc (255%/346%), performed on L1313126-32, do not apply because the sample concentrations are greater than four times the spike amount added.

The WG621975-3/-4 MS/MSD recoveries, performed on L1313126-32, are outside the acceptance criteria for Antimony (MS at 170%), Arsenic (0%/0%), Cobalt (MSD at 71%) and Potassium (MS at 136%). A post digestion spike was performed with acceptable recoveries for Antimony (83%), Arsenic (86%), Cobalt (81%) and Potassium (95%).

The WG621975-3/-4 MS/MSD recoveries, performed on L1313126-32, are outside the acceptance criteria for Cadmium (MSD at 68%), Magnesium (153%/199%), Nickel (0%/0%) and Thallium (70%/71%). A post digestion spike was performed with unacceptable recoveries for Cadmium (68%), Magnesium (60%), Nickel (52%) and Thallium (70%). This has been attributed to sample matrix.

The WG621975-3/-4 MS/MSD RPDs, performed on L1313126-32, are above the acceptance criteria for Antimony (50%) and Iron (45%).

The WG622152-3/-4 MS/MSD recoveries, performed on L1313126-01, are below the acceptance criteria for Mercury (0%/66%). A post digestion spike was performed with an acceptable recovery of 95%.

The WG622275-8 MS recovery for Mercury (0%), performed on L1313126-17, does not apply because the sample concentration is greater than four times the spike amount added.

The WG622513-3/-4 MS/MSD recoveries, performed on L1313126-32, are above the acceptance criteria for Mercury (505%/263%). A post digestion spike was performed with an acceptable recovery of 104%.

The WG624316-3/-4 MS/MSD recoveries, performed on L1313126-21, are above the acceptance criteria for Aluminum (128%/122%), Calcium (190%/170%), Iron (140%/144%), Magnesium (142%/141%), Manganese (122%/122%) and Sodium (132%/128%). A post digestion spike was performed with acceptable recoveries for Calcium (106%), Iron (106%), Magnesium (105%), Manganese (117%) and Sodium (108%). A post digestion

Project Name: BCP PROJECT
Project Number: RAB 1301

Lab Number: L1313126
Report Date: 07/26/13

Case Narrative (continued)

spike was performed with an unacceptable recovery for Aluminum (128%). This has been attributed to sample matrix.

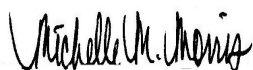
Dissolved Metals

The WG621721-1 Method Blank, associated with L1313126-21 through -24, has a concentration above the reporting limit for Sodium. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

The WG621721-4/-7 MS/MSD recoveries, performed on L1313126-21, are outside the acceptance criteria for Calcium (20%/10%) and Sodium (MS at 79%). A post digestion spike was performed with acceptable recoveries for Calcium (111%) and Sodium (111%).

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: 07/26/13

ORGANICS

VOLATILES

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-01
 Client ID: SB017 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/20/13 16:03
 Analyst: PP
 Percent Solids: 94%

Date Collected: 07/11/13 11:15
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	2.8	J	ug/kg	10	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.18	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.15	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.48	1
Bromoform	ND		ug/kg	4.2	0.43	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.18	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	0.22	J	ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.2	0.82	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.25	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-01

Date Collected: 07/11/13 11:15

Client ID: SB017 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.34	1
o-Xylene	ND		ug/kg	2.1	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.16	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.32	1
Dichlorodifluoromethane	ND		ug/kg	10	0.23	1
Acetone	8.2	J	ug/kg	10	3.2	1
Carbon disulfide	ND		ug/kg	10	2.1	1
2-Butanone	ND		ug/kg	10	0.37	1
Vinyl acetate	ND		ug/kg	10	0.50	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.23	1
2-Hexanone	ND		ug/kg	10	0.20	1
Bromochloromethane	ND		ug/kg	5.2	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.21	1
sec-Butylbenzene	ND		ug/kg	1.0	0.21	1
tert-Butylbenzene	ND		ug/kg	5.2	0.58	1
o-Chlorotoluene	ND		ug/kg	5.2	0.17	1
p-Chlorotoluene	ND		ug/kg	5.2	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.82	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.44	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.20	1
Naphthalene	ND		ug/kg	5.2	0.80	1
Acrylonitrile	ND		ug/kg	10	0.25	1
n-Propylbenzene	ND		ug/kg	1.0	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.82	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.60	1
1,4-Dioxane	ND		ug/kg	100	18.	1
1,4-Diethylbenzene	ND		ug/kg	4.2	0.17	1
4-Ethyltoluene	ND		ug/kg	4.2	0.12	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-01

Date Collected: 07/11/13 11:15

Client ID: SB017 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.2	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.47	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	94		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-02
 Client ID: SB017 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/18/13 15:05
 Analyst: BN
 Percent Solids: 91%

Date Collected: 07/11/13 11:20
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	2.5	J	ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.22	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	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.56	1
Bromoform	ND		ug/kg	4.9	0.51	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.21	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	0.29	J	ug/kg	1.8	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.1	0.96	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.30	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-02

Date Collected: 07/11/13 11:20

Client ID: SB017 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.13	1
p/m-Xylene	0.43	J	ug/kg	2.4	0.39	1
o-Xylene	ND		ug/kg	2.4	0.33	1
cis-1,2-Dichloroethene	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	0.27	1
Acetone	20		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	0.43	1
Vinyl acetate	ND		ug/kg	12	0.59	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.27	1
2-Hexanone	ND		ug/kg	12	0.23	1
Bromochloromethane	ND		ug/kg	6.1	0.24	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.28	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.21	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	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	6.1	0.68	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	0.96	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.52	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	6.1	0.94	1
Acrylonitrile	ND		ug/kg	12	0.29	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.96	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.70	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	ND		ug/kg	4.9	0.20	1
4-Ethyltoluene	0.29	J	ug/kg	4.9	0.14	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-02

Date Collected: 07/11/13 11:20

Client ID: SB017 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

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	0.55	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	107		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-03
 Client ID: SB017 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/18/13 15:41
 Analyst: BN
 Percent Solids: 81%

Date Collected: 07/11/13 11:25
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.20	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	3.9	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.34	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.26	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
1,1-Dichloropropene	ND		ug/kg	5.6	0.51	1
Bromoform	ND		ug/kg	4.5	0.46	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.19	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.6	0.88	1
Bromomethane	ND		ug/kg	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.16	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.27	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-03

Date Collected: 07/11/13 11:25

Client ID: SB017 (10-12')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.12	1
p/m-Xylene	ND		ug/kg	2.2	0.36	1
o-Xylene	ND		ug/kg	2.2	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.17	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.35	1
Dichlorodifluoromethane	ND		ug/kg	11	0.24	1
Acetone	31		ug/kg	11	3.5	1
Carbon disulfide	ND		ug/kg	11	2.2	1
2-Butanone	ND		ug/kg	11	0.40	1
Vinyl acetate	ND		ug/kg	11	0.54	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.25	1
2-Hexanone	ND		ug/kg	11	0.21	1
Bromochloromethane	ND		ug/kg	5.6	0.22	1
2,2-Dichloropropane	ND		ug/kg	5.6	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.6	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.6	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.22	1
sec-Butylbenzene	ND		ug/kg	1.1	0.23	1
tert-Butylbenzene	3.2	J	ug/kg	5.6	0.63	1
o-Chlorotoluene	ND		ug/kg	5.6	0.18	1
p-Chlorotoluene	ND		ug/kg	5.6	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.89	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.47	1
Isopropylbenzene	ND		ug/kg	1.1	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.21	1
Naphthalene	1.5	J	ug/kg	5.6	0.86	1
Acrylonitrile	ND		ug/kg	11	0.27	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.89	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	0.64	1
1,4-Dioxane	ND		ug/kg	110	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.5	0.18	1
4-Ethyltoluene	ND		ug/kg	4.5	0.13	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-03

Date Collected: 07/11/13 11:25

Client ID: SB017 (10-12')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.5	0.15	1
Ethyl ether	ND		ug/kg	5.6	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	103		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-04
 Client ID: SB018 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/18/13 16:18
 Analyst: BN
 Percent Solids: 88%

Date Collected: 07/11/13 13:10
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	3.4	J	ug/kg	9.3	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.16	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.93	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.93	0.28	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.28	1
Tetrachloroethene	ND		ug/kg	0.93	0.13	1
Chlorobenzene	ND		ug/kg	0.93	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.11	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.93	0.10	1
Bromodichloromethane	ND		ug/kg	0.93	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.93	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.6	0.42	1
Bromoform	ND		ug/kg	3.7	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.93	0.16	1
Benzene	ND		ug/kg	0.93	0.11	1
Toluene	ND		ug/kg	1.4	0.10	1
Ethylbenzene	ND		ug/kg	0.93	0.14	1
Chloromethane	ND		ug/kg	4.6	0.73	1
Bromomethane	ND		ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.13	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.93	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.22	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-04

Date Collected: 07/11/13 13:10

Client ID: SB018 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	0.10	1
p/m-Xylene	ND		ug/kg	1.8	0.30	1
o-Xylene	ND		ug/kg	1.8	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.14	1
Dibromomethane	ND		ug/kg	9.3	0.15	1
Styrene	ND		ug/kg	1.8	0.29	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.20	1
Acetone	9.6		ug/kg	9.3	2.9	1
Carbon disulfide	ND		ug/kg	9.3	1.8	1
2-Butanone	ND		ug/kg	9.3	0.33	1
Vinyl acetate	ND		ug/kg	9.3	0.44	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.3	0.21	1
2-Hexanone	ND		ug/kg	9.3	0.17	1
Bromochloromethane	ND		ug/kg	4.6	0.18	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.93	0.30	1
Bromobenzene	ND		ug/kg	4.6	0.19	1
n-Butylbenzene	ND		ug/kg	0.93	0.18	1
sec-Butylbenzene	ND		ug/kg	0.93	0.19	1
tert-Butylbenzene	ND		ug/kg	4.6	0.52	1
o-Chlorotoluene	ND		ug/kg	4.6	0.15	1
p-Chlorotoluene	ND		ug/kg	4.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.73	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.39	1
Isopropylbenzene	ND		ug/kg	0.93	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.18	1
Naphthalene	ND		ug/kg	4.6	0.71	1
Acrylonitrile	ND		ug/kg	9.3	0.22	1
n-Propylbenzene	ND		ug/kg	0.93	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.73	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.53	1
1,4-Dioxane	ND		ug/kg	93	16.	1
1,4-Diethylbenzene	ND		ug/kg	3.7	0.15	1
4-Ethyltoluene	ND		ug/kg	3.7	0.11	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-04

Date Collected: 07/11/13 13:10

Client ID: SB018 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.12	1
Ethyl ether	ND		ug/kg	4.6	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	0.42	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	99		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-05
 Client ID: SB018 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/18/13 16:55
 Analyst: BN
 Percent Solids: 85%

Date Collected: 07/11/13 13:15
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	3.7	J	ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.34	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.25	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.5	0.50	1
Bromoform	ND		ug/kg	4.4	0.45	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.19	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	0.32	J	ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.5	0.86	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.15	1
Chloroethane	ND		ug/kg	2.2	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.26	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-05

Date Collected: 07/11/13 13:15

Client ID: SB018 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.11	1
p/m-Xylene	ND		ug/kg	2.2	0.35	1
o-Xylene	ND		ug/kg	2.2	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.34	1
Dichlorodifluoromethane	ND		ug/kg	11	0.24	1
Acetone	19		ug/kg	11	3.4	1
Carbon disulfide	ND		ug/kg	11	2.2	1
2-Butanone	ND		ug/kg	11	0.39	1
Vinyl acetate	ND		ug/kg	11	0.52	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.24	1
2-Hexanone	ND		ug/kg	11	0.20	1
Bromochloromethane	ND		ug/kg	5.5	0.22	1
2,2-Dichloropropane	ND		ug/kg	5.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.5	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.5	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.22	1
sec-Butylbenzene	ND		ug/kg	1.1	0.22	1
tert-Butylbenzene	ND		ug/kg	5.5	0.61	1
o-Chlorotoluene	ND		ug/kg	5.5	0.17	1
p-Chlorotoluene	ND		ug/kg	5.5	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.86	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.46	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.21	1
Naphthalene	ND		ug/kg	5.5	0.84	1
Acrylonitrile	ND		ug/kg	11	0.26	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.86	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.63	1
1,4-Dioxane	ND		ug/kg	110	19.	1
1,4-Diethylbenzene	ND		ug/kg	4.4	0.17	1
4-Ethyltoluene	ND		ug/kg	4.4	0.13	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-05

Date Collected: 07/11/13 13:15

Client ID: SB018 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.14	1
Ethyl ether	ND		ug/kg	5.5	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-06
 Client ID: SB018 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/18/13 17:31
 Analyst: BN
 Percent Solids: 86%

Date Collected: 07/11/13 13:20
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	3.5	J	ug/kg	6.3	1.3	1
1,1-Dichloroethane	ND		ug/kg	0.95	0.11	1
Chloroform	ND		ug/kg	0.95	0.24	1
Carbon tetrachloride	ND		ug/kg	0.63	0.13	1
1,2-Dichloropropane	ND		ug/kg	2.2	0.14	1
Dibromochloromethane	ND		ug/kg	0.63	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	0.95	0.19	1
Tetrachloroethene	ND		ug/kg	0.63	0.09	1
Chlorobenzene	ND		ug/kg	0.63	0.22	1
Trichlorofluoromethane	ND		ug/kg	3.2	0.08	1
1,2-Dichloroethane	ND		ug/kg	0.63	0.09	1
1,1,1-Trichloroethane	ND		ug/kg	0.63	0.07	1
Bromodichloromethane	ND		ug/kg	0.63	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	0.63	0.08	1
cis-1,3-Dichloropropene	ND		ug/kg	0.63	0.08	1
1,1-Dichloropropene	ND		ug/kg	3.2	0.29	1
Bromoform	ND		ug/kg	2.5	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.63	0.11	1
Benzene	ND		ug/kg	0.63	0.08	1
Toluene	ND		ug/kg	0.95	0.07	1
Ethylbenzene	ND		ug/kg	0.63	0.09	1
Chloromethane	ND		ug/kg	3.2	0.50	1
Bromomethane	ND		ug/kg	1.3	0.21	1
Vinyl chloride	ND		ug/kg	1.3	0.09	1
Chloroethane	ND		ug/kg	1.3	0.20	1
1,1-Dichloroethene	ND		ug/kg	0.63	0.13	1
trans-1,2-Dichloroethene	ND		ug/kg	0.95	0.13	1
Trichloroethene	ND		ug/kg	0.63	0.10	1
1,2-Dichlorobenzene	ND		ug/kg	3.2	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	3.2	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	3.2	0.15	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-06

Date Collected: 07/11/13 13:20

Client ID: SB018 (10-12')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.3	0.07	1
p/m-Xylene	ND		ug/kg	1.3	0.20	1
o-Xylene	ND		ug/kg	1.3	0.17	1
cis-1,2-Dichloroethene	ND		ug/kg	0.63	0.10	1
Dibromomethane	ND		ug/kg	6.3	0.10	1
Styrene	ND		ug/kg	1.3	0.20	1
Dichlorodifluoromethane	ND		ug/kg	6.3	0.14	1
Acetone	6.6		ug/kg	6.3	2.0	1
Carbon disulfide	ND		ug/kg	6.3	1.3	1
2-Butanone	ND		ug/kg	6.3	0.22	1
Vinyl acetate	ND		ug/kg	6.3	0.30	1
4-Methyl-2-pentanone	ND		ug/kg	6.3	0.16	1
1,2,3-Trichloropropane	ND		ug/kg	6.3	0.14	1
2-Hexanone	ND		ug/kg	6.3	0.12	1
Bromochloromethane	ND		ug/kg	3.2	0.12	1
2,2-Dichloropropane	ND		ug/kg	3.2	0.14	1
1,2-Dibromoethane	ND		ug/kg	2.5	0.11	1
1,3-Dichloropropane	ND		ug/kg	3.2	0.11	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.63	0.20	1
Bromobenzene	ND		ug/kg	3.2	0.13	1
n-Butylbenzene	ND		ug/kg	0.63	0.12	1
sec-Butylbenzene	ND		ug/kg	0.63	0.13	1
tert-Butylbenzene	ND		ug/kg	3.2	0.36	1
o-Chlorotoluene	ND		ug/kg	3.2	0.10	1
p-Chlorotoluene	ND		ug/kg	3.2	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	0.50	1
Hexachlorobutadiene	ND		ug/kg	3.2	0.27	1
Isopropylbenzene	ND		ug/kg	0.63	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.63	0.12	1
Naphthalene	ND		ug/kg	3.2	0.49	1
Acrylonitrile	ND		ug/kg	6.3	0.15	1
n-Propylbenzene	ND		ug/kg	0.63	0.08	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.2	0.11	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.2	0.50	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.2	0.09	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.2	0.36	1
1,4-Dioxane	ND		ug/kg	63	11.	1
1,4-Diethylbenzene	ND		ug/kg	2.5	0.10	1
4-Ethyltoluene	ND		ug/kg	2.5	0.07	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-06

Date Collected: 07/11/13 13:20

Client ID: SB018 (10-12')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.5	0.08	1
Ethyl ether	ND		ug/kg	3.2	0.17	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	3.2	0.28	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	100		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-07
 Client ID: SB019 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/18/13 18:07
 Analyst: BN
 Percent Solids: 86%

Date Collected: 07/11/13 15:20
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	20	4.0	1
1,1-Dichloroethane	ND		ug/kg	3.0	0.35	1
Chloroform	ND		ug/kg	3.0	0.74	1
Carbon tetrachloride	ND		ug/kg	2.0	0.42	1
1,2-Dichloropropane	ND		ug/kg	7.0	0.46	1
Dibromochloromethane	ND		ug/kg	2.0	0.61	1
1,1,2-Trichloroethane	ND		ug/kg	3.0	0.61	1
Tetrachloroethene	ND		ug/kg	2.0	0.28	1
Chlorobenzene	ND		ug/kg	2.0	0.69	1
Trichlorofluoromethane	ND		ug/kg	10	0.24	1
1,2-Dichloroethane	ND		ug/kg	2.0	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	2.0	0.22	1
Bromodichloromethane	ND		ug/kg	2.0	0.46	1
trans-1,3-Dichloropropene	ND		ug/kg	2.0	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	2.0	0.25	1
1,1-Dichloropropene	ND		ug/kg	10	0.91	1
Bromoform	ND		ug/kg	8.0	0.83	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.0	0.34	1
Benzene	ND		ug/kg	2.0	0.24	1
Toluene	ND		ug/kg	3.0	0.22	1
Ethylbenzene	ND		ug/kg	2.0	0.29	1
Chloromethane	ND		ug/kg	10	1.6	1
Bromomethane	ND		ug/kg	4.0	0.68	1
Vinyl chloride	ND		ug/kg	4.0	0.28	1
Chloroethane	ND		ug/kg	4.0	0.63	1
1,1-Dichloroethene	ND		ug/kg	2.0	0.41	1
trans-1,2-Dichloroethene	ND		ug/kg	3.0	0.42	1
Trichloroethene	3.9		ug/kg	2.0	0.30	1
1,2-Dichlorobenzene	ND		ug/kg	10	0.37	1
1,3-Dichlorobenzene	ND		ug/kg	10	0.37	1
1,4-Dichlorobenzene	ND		ug/kg	10	0.48	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-07

Date Collected: 07/11/13 15:20

Client ID: SB019 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	4.0	0.21	1
p/m-Xylene	0.68	J	ug/kg	4.0	0.64	1
o-Xylene	ND		ug/kg	4.0	0.54	1
cis-1,2-Dichloroethene	ND		ug/kg	2.0	0.30	1
Dibromomethane	ND		ug/kg	20	0.33	1
Styrene	ND		ug/kg	4.0	0.62	1
Dichlorodifluoromethane	ND		ug/kg	20	0.44	1
Acetone	120		ug/kg	20	6.2	1
Carbon disulfide	ND		ug/kg	20	4.0	1
2-Butanone	ND		ug/kg	20	0.71	1
Vinyl acetate	ND		ug/kg	20	0.96	1
4-Methyl-2-pentanone	ND		ug/kg	20	0.49	1
1,2,3-Trichloropropane	ND		ug/kg	20	0.45	1
2-Hexanone	ND		ug/kg	20	0.38	1
Bromochloromethane	ND		ug/kg	10	0.39	1
2,2-Dichloropropane	ND		ug/kg	10	0.45	1
1,2-Dibromoethane	ND		ug/kg	8.0	0.36	1
1,3-Dichloropropane	ND		ug/kg	10	0.34	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.0	0.64	1
Bromobenzene	ND		ug/kg	10	0.42	1
n-Butylbenzene	ND		ug/kg	2.0	0.39	1
sec-Butylbenzene	ND		ug/kg	2.0	0.41	1
tert-Butylbenzene	ND		ug/kg	10	1.1	1
o-Chlorotoluene	ND		ug/kg	10	0.32	1
p-Chlorotoluene	ND		ug/kg	10	0.31	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	10	1.6	1
Hexachlorobutadiene	ND		ug/kg	10	0.84	1
Isopropylbenzene	ND		ug/kg	2.0	0.33	1
p-Isopropyltoluene	ND		ug/kg	2.0	0.38	1
Naphthalene	ND		ug/kg	10	1.5	1
Acrylonitrile	ND		ug/kg	20	0.48	1
n-Propylbenzene	ND		ug/kg	2.0	0.25	1
1,2,3-Trichlorobenzene	ND		ug/kg	10	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	10	1.6	1
1,3,5-Trimethylbenzene	ND		ug/kg	10	0.29	1
1,2,4-Trimethylbenzene	ND		ug/kg	10	1.1	1
1,4-Dioxane	ND		ug/kg	200	35.	1
1,4-Diethylbenzene	ND		ug/kg	8.0	0.32	1
4-Ethyltoluene	ND		ug/kg	8.0	0.23	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-07

Date Collected: 07/11/13 15:20

Client ID: SB019 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	8.0	0.26	1
Ethyl ether	ND		ug/kg	10	0.53	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	10	0.89	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	36	Q	70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-08
 Client ID: SB019 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/18/13 18:44
 Analyst: BN
 Percent Solids: 80%

Date Collected: 07/11/13 15:25
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	2.1	J	ug/kg	8.8	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.16	1
Chloroform	ND		ug/kg	1.3	0.32	1
Carbon tetrachloride	ND		ug/kg	0.88	0.18	1
1,2-Dichloropropane	ND		ug/kg	3.1	0.20	1
Dibromochloromethane	ND		ug/kg	0.88	0.27	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.27	1
Tetrachloroethene	ND		ug/kg	0.88	0.12	1
Chlorobenzene	ND		ug/kg	0.88	0.30	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.11	1
1,2-Dichloroethane	ND		ug/kg	0.88	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	0.88	0.10	1
Bromodichloromethane	ND		ug/kg	0.88	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	0.88	0.10	1
cis-1,3-Dichloropropene	ND		ug/kg	0.88	0.11	1
1,1-Dichloropropene	ND		ug/kg	4.4	0.40	1
Bromoform	ND		ug/kg	3.5	0.36	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.88	0.15	1
Benzene	ND		ug/kg	0.88	0.10	1
Toluene	0.31	J	ug/kg	1.3	0.10	1
Ethylbenzene	ND		ug/kg	0.88	0.13	1
Chloromethane	ND		ug/kg	4.4	0.69	1
Bromomethane	ND		ug/kg	1.8	0.30	1
Vinyl chloride	ND		ug/kg	1.8	0.12	1
Chloroethane	ND		ug/kg	1.8	0.28	1
1,1-Dichloroethene	ND		ug/kg	0.88	0.18	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.18	1
Trichloroethene	2.1		ug/kg	0.88	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	4.4	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	4.4	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	4.4	0.21	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-08

Date Collected: 07/11/13 15:25

Client ID: SB019 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	0.09	1
p/m-Xylene	ND		ug/kg	1.8	0.28	1
o-Xylene	ND		ug/kg	1.8	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.88	0.13	1
Dibromomethane	ND		ug/kg	8.8	0.14	1
Styrene	ND		ug/kg	1.8	0.27	1
Dichlorodifluoromethane	ND		ug/kg	8.8	0.19	1
Acetone	16		ug/kg	8.8	2.7	1
Carbon disulfide	ND		ug/kg	8.8	1.8	1
2-Butanone	ND		ug/kg	8.8	0.31	1
Vinyl acetate	ND		ug/kg	8.8	0.42	1
4-Methyl-2-pentanone	ND		ug/kg	8.8	0.21	1
1,2,3-Trichloropropane	ND		ug/kg	8.8	0.20	1
2-Hexanone	ND		ug/kg	8.8	0.16	1
Bromochloromethane	ND		ug/kg	4.4	0.17	1
2,2-Dichloropropane	ND		ug/kg	4.4	0.20	1
1,2-Dibromoethane	ND		ug/kg	3.5	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.4	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.88	0.28	1
Bromobenzene	ND		ug/kg	4.4	0.18	1
n-Butylbenzene	ND		ug/kg	0.88	0.17	1
sec-Butylbenzene	ND		ug/kg	0.88	0.18	1
tert-Butylbenzene	ND		ug/kg	4.4	0.49	1
o-Chlorotoluene	ND		ug/kg	4.4	0.14	1
p-Chlorotoluene	ND		ug/kg	4.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.4	0.69	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.37	1
Isopropylbenzene	ND		ug/kg	0.88	0.15	1
p-Isopropyltoluene	ND		ug/kg	0.88	0.17	1
Naphthalene	ND		ug/kg	4.4	0.67	1
Acrylonitrile	ND		ug/kg	8.8	0.21	1
n-Propylbenzene	ND		ug/kg	0.88	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.4	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.4	0.69	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.4	0.12	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.4	0.50	1
1,4-Dioxane	ND		ug/kg	88	15.	1
1,4-Diethylbenzene	ND		ug/kg	3.5	0.14	1
4-Ethyltoluene	ND		ug/kg	3.5	0.10	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-08

Date Collected: 07/11/13 15:25

Client ID: SB019 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.5	0.11	1
Ethyl ether	ND		ug/kg	4.4	0.23	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	0.39	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	99		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-09 D
 Client ID: SB019 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/20/13 12:18
 Analyst: PP
 Percent Solids: 86%

Date Collected: 07/11/13 15:30
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	960	190	2
1,1-Dichloroethane	ND		ug/kg	140	17.	2
Chloroform	ND		ug/kg	140	35.	2
Carbon tetrachloride	ND		ug/kg	96	20.	2
1,2-Dichloropropane	ND		ug/kg	330	22.	2
Dibromochloromethane	ND		ug/kg	96	29.	2
1,1,2-Trichloroethane	ND		ug/kg	140	29.	2
Tetrachloroethene	ND		ug/kg	96	13.	2
Chlorobenzene	ND		ug/kg	96	33.	2
Trichlorofluoromethane	ND		ug/kg	480	12.	2
1,2-Dichloroethane	ND		ug/kg	96	14.	2
1,1,1-Trichloroethane	ND		ug/kg	96	11.	2
Bromodichloromethane	ND		ug/kg	96	22.	2
trans-1,3-Dichloropropene	ND		ug/kg	96	12.	2
cis-1,3-Dichloropropene	ND		ug/kg	96	12.	2
1,1-Dichloropropene	ND		ug/kg	480	44.	2
Bromoform	ND		ug/kg	380	40.	2
1,1,2,2-Tetrachloroethane	ND		ug/kg	96	16.	2
Benzene	ND		ug/kg	96	11.	2
Toluene	ND		ug/kg	140	11.	2
Ethylbenzene	78	J	ug/kg	96	14.	2
Chloromethane	ND		ug/kg	480	75.	2
Bromomethane	ND		ug/kg	190	32.	2
Vinyl chloride	ND		ug/kg	190	14.	2
Chloroethane	ND		ug/kg	190	30.	2
1,1-Dichloroethene	ND		ug/kg	96	20.	2
trans-1,2-Dichloroethene	ND		ug/kg	140	20.	2
Trichloroethene	ND		ug/kg	96	14.	2
1,2-Dichlorobenzene	ND		ug/kg	480	18.	2
1,3-Dichlorobenzene	ND		ug/kg	480	18.	2
1,4-Dichlorobenzene	ND		ug/kg	480	23.	2

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-09 D
 Client ID: SB019 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Date Collected: 07/11/13 15:30
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	190	10.	2
p/m-Xylene	ND		ug/kg	190	31.	2
o-Xylene	ND		ug/kg	190	26.	2
cis-1,2-Dichloroethene	ND		ug/kg	96	14.	2
Dibromomethane	ND		ug/kg	960	16.	2
Styrene	ND		ug/kg	190	30.	2
Dichlorodifluoromethane	ND		ug/kg	960	21.	2
Acetone	ND		ug/kg	960	300	2
Carbon disulfide	ND		ug/kg	960	190	2
2-Butanone	ND		ug/kg	960	34.	2
Vinyl acetate	ND		ug/kg	960	46.	2
4-Methyl-2-pentanone	ND		ug/kg	960	23.	2
1,2,3-Trichloropropane	ND		ug/kg	960	22.	2
2-Hexanone	ND		ug/kg	960	18.	2
Bromochloromethane	ND		ug/kg	480	19.	2
2,2-Dichloropropane	ND		ug/kg	480	22.	2
1,2-Dibromoethane	ND		ug/kg	380	17.	2
1,3-Dichloropropane	ND		ug/kg	480	16.	2
1,1,1,2-Tetrachloroethane	ND		ug/kg	96	30.	2
Bromobenzene	ND		ug/kg	480	20.	2
n-Butylbenzene	540		ug/kg	96	19.	2
sec-Butylbenzene	260		ug/kg	96	20.	2
tert-Butylbenzene	ND		ug/kg	480	54.	2
o-Chlorotoluene	ND		ug/kg	480	15.	2
p-Chlorotoluene	ND		ug/kg	480	15.	2
1,2-Dibromo-3-chloropropane	ND		ug/kg	480	76.	2
Hexachlorobutadiene	ND		ug/kg	480	40.	2
Isopropylbenzene	ND		ug/kg	96	16.	2
p-Isopropyltoluene	ND		ug/kg	96	18.	2
Naphthalene	ND		ug/kg	480	74.	2
Acrylonitrile	ND		ug/kg	960	23.	2
n-Propylbenzene	310		ug/kg	96	12.	2
1,2,3-Trichlorobenzene	ND		ug/kg	480	16.	2
1,2,4-Trichlorobenzene	ND		ug/kg	480	76.	2
1,3,5-Trimethylbenzene	ND		ug/kg	480	14.	2
1,2,4-Trimethylbenzene	ND		ug/kg	480	55.	2
1,4-Dioxane	ND		ug/kg	9600	1700	2
1,4-Diethylbenzene	610		ug/kg	380	15.	2
4-Ethyltoluene	74	J	ug/kg	380	11.	2

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-09 D

Date Collected: 07/11/13 15:30

Client ID: SB019 (10-12')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	2300		ug/kg	380	12.	2
Ethyl ether	ND		ug/kg	480	25.	2
trans-1,4-Dichloro-2-butene	ND		ug/kg	480	43.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	103		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-10
 Client ID: SB020 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/21/13 17:33
 Analyst: BN
 Percent Solids: 90%

Date Collected: 07/11/13 11:45
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	18	3.7	1
1,1-Dichloroethane	ND		ug/kg	2.8	0.33	1
Chloroform	ND		ug/kg	2.8	0.68	1
Carbon tetrachloride	ND		ug/kg	1.8	0.39	1
1,2-Dichloropropane	ND		ug/kg	6.4	0.42	1
Dibromochloromethane	ND		ug/kg	1.8	0.57	1
1,1,2-Trichloroethane	ND		ug/kg	2.8	0.56	1
Tetrachloroethene	ND		ug/kg	1.8	0.26	1
Chlorobenzene	ND		ug/kg	1.8	0.64	1
Trichlorofluoromethane	ND		ug/kg	9.2	0.22	1
1,2-Dichloroethane	ND		ug/kg	1.8	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.8	0.20	1
Bromodichloromethane	ND		ug/kg	1.8	0.42	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	1.8	0.23	1
1,1-Dichloropropene	ND		ug/kg	9.2	0.84	1
Bromoform	ND		ug/kg	7.4	0.76	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.8	0.31	1
Benzene	ND		ug/kg	1.8	0.22	1
Toluene	ND		ug/kg	2.8	0.21	1
Ethylbenzene	ND		ug/kg	1.8	0.27	1
Chloromethane	ND		ug/kg	9.2	1.4	1
Bromomethane	ND		ug/kg	3.7	0.62	1
Vinyl chloride	ND		ug/kg	3.7	0.26	1
Chloroethane	ND		ug/kg	3.7	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.8	0.38	1
trans-1,2-Dichloroethene	ND		ug/kg	2.8	0.39	1
Trichloroethene	ND		ug/kg	1.8	0.28	1
1,2-Dichlorobenzene	ND		ug/kg	9.2	0.34	1
1,3-Dichlorobenzene	ND		ug/kg	9.2	0.34	1
1,4-Dichlorobenzene	ND		ug/kg	9.2	0.44	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-10

Date Collected: 07/11/13 11:45

Client ID: SB020 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.7	0.19	1
p/m-Xylene	ND		ug/kg	3.7	0.59	1
o-Xylene	ND		ug/kg	3.7	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	0.28	1
Dibromomethane	ND		ug/kg	18	0.30	1
Styrene	ND		ug/kg	3.7	0.57	1
Dichlorodifluoromethane	ND		ug/kg	18	0.40	1
Acetone	13	J	ug/kg	18	5.7	1
Carbon disulfide	ND		ug/kg	18	3.7	1
2-Butanone	ND		ug/kg	18	0.65	1
Vinyl acetate	ND		ug/kg	18	0.88	1
4-Methyl-2-pentanone	ND		ug/kg	18	0.45	1
1,2,3-Trichloropropane	ND		ug/kg	18	0.41	1
2-Hexanone	ND		ug/kg	18	0.35	1
Bromochloromethane	ND		ug/kg	9.2	0.36	1
2,2-Dichloropropane	ND		ug/kg	9.2	0.42	1
1,2-Dibromoethane	ND		ug/kg	7.4	0.33	1
1,3-Dichloropropane	ND		ug/kg	9.2	0.32	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.8	0.59	1
Bromobenzene	ND		ug/kg	9.2	0.38	1
n-Butylbenzene	ND		ug/kg	1.8	0.36	1
sec-Butylbenzene	ND		ug/kg	1.8	0.38	1
tert-Butylbenzene	ND		ug/kg	9.2	1.0	1
o-Chlorotoluene	ND		ug/kg	9.2	0.29	1
p-Chlorotoluene	ND		ug/kg	9.2	0.28	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	9.2	1.4	1
Hexachlorobutadiene	ND		ug/kg	9.2	0.78	1
Isopropylbenzene	ND		ug/kg	1.8	0.31	1
p-Isopropyltoluene	ND		ug/kg	1.8	0.35	1
Naphthalene	ND		ug/kg	9.2	1.4	1
Acrylonitrile	ND		ug/kg	18	0.44	1
n-Propylbenzene	ND		ug/kg	1.8	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	9.2	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	9.2	1.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	9.2	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	9.2	1.0	1
1,4-Dioxane	ND		ug/kg	180	32.	1
1,4-Diethylbenzene	ND		ug/kg	7.4	0.29	1
4-Ethyltoluene	ND		ug/kg	7.4	0.22	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-10

Date Collected: 07/11/13 11:45

Client ID: SB020 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	7.4	0.24	1
Ethyl ether	ND		ug/kg	9.2	0.49	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	9.2	0.82	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-11
 Client ID: SB020 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/18/13 19:20
 Analyst: BN
 Percent Solids: 94%

Date Collected: 07/11/13 12:00
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	1.7	J	ug/kg	8.4	1.7	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.15	1
Chloroform	ND		ug/kg	1.3	0.31	1
Carbon tetrachloride	ND		ug/kg	0.84	0.18	1
1,2-Dichloropropane	ND		ug/kg	3.0	0.19	1
Dibromochloromethane	ND		ug/kg	0.84	0.26	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.26	1
Tetrachloroethene	ND		ug/kg	0.84	0.12	1
Chlorobenzene	ND		ug/kg	0.84	0.29	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.10	1
1,2-Dichloroethane	ND		ug/kg	0.84	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	0.84	0.09	1
Bromodichloromethane	ND		ug/kg	0.84	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	0.84	0.10	1
cis-1,3-Dichloropropene	ND		ug/kg	0.84	0.11	1
1,1-Dichloropropene	ND		ug/kg	4.2	0.38	1
Bromoform	ND		ug/kg	3.4	0.35	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.84	0.14	1
Benzene	ND		ug/kg	0.84	0.10	1
Toluene	ND		ug/kg	1.3	0.10	1
Ethylbenzene	ND		ug/kg	0.84	0.12	1
Chloromethane	ND		ug/kg	4.2	0.66	1
Bromomethane	ND		ug/kg	1.7	0.28	1
Vinyl chloride	ND		ug/kg	1.7	0.12	1
Chloroethane	ND		ug/kg	1.7	0.27	1
1,1-Dichloroethene	ND		ug/kg	0.84	0.17	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.18	1
Trichloroethene	ND		ug/kg	0.84	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	4.2	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	4.2	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	4.2	0.20	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-11

Date Collected: 07/11/13 12:00

Client ID: SB020 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.7	0.09	1
p/m-Xylene	ND		ug/kg	1.7	0.27	1
o-Xylene	ND		ug/kg	1.7	0.23	1
cis-1,2-Dichloroethene	ND		ug/kg	0.84	0.13	1
Dibromomethane	ND		ug/kg	8.4	0.14	1
Styrene	ND		ug/kg	1.7	0.26	1
Dichlorodifluoromethane	ND		ug/kg	8.4	0.18	1
Acetone	9.7		ug/kg	8.4	2.6	1
Carbon disulfide	ND		ug/kg	8.4	1.7	1
2-Butanone	ND		ug/kg	8.4	0.30	1
Vinyl acetate	ND		ug/kg	8.4	0.40	1
4-Methyl-2-pentanone	ND		ug/kg	8.4	0.21	1
1,2,3-Trichloropropane	ND		ug/kg	8.4	0.19	1
2-Hexanone	ND		ug/kg	8.4	0.16	1
Bromochloromethane	ND		ug/kg	4.2	0.17	1
2,2-Dichloropropane	ND		ug/kg	4.2	0.19	1
1,2-Dibromoethane	ND		ug/kg	3.4	0.15	1
1,3-Dichloropropane	ND		ug/kg	4.2	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.84	0.27	1
Bromobenzene	ND		ug/kg	4.2	0.18	1
n-Butylbenzene	ND		ug/kg	0.84	0.17	1
sec-Butylbenzene	ND		ug/kg	0.84	0.17	1
tert-Butylbenzene	ND		ug/kg	4.2	0.47	1
o-Chlorotoluene	ND		ug/kg	4.2	0.14	1
p-Chlorotoluene	ND		ug/kg	4.2	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	0.67	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.36	1
Isopropylbenzene	ND		ug/kg	0.84	0.14	1
p-Isopropyltoluene	ND		ug/kg	0.84	0.16	1
Naphthalene	ND		ug/kg	4.2	0.65	1
Acrylonitrile	ND		ug/kg	8.4	0.20	1
n-Propylbenzene	ND		ug/kg	0.84	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.2	0.14	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.2	0.67	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.2	0.12	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.2	0.48	1
1,4-Dioxane	ND		ug/kg	84	15.	1
1,4-Diethylbenzene	ND		ug/kg	3.4	0.14	1
4-Ethyltoluene	ND		ug/kg	3.4	0.10	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-11

Date Collected: 07/11/13 12:00

Client ID: SB020 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.4	0.11	1
Ethyl ether	ND		ug/kg	4.2	0.22	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.2	0.38	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	100		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-12
 Client ID: SB020 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/21/13 18:08
 Analyst: BN
 Percent Solids: 81%

Date Collected: 07/11/13 12:15
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.8	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.17	1
Chloroform	ND		ug/kg	1.5	0.36	1
Carbon tetrachloride	ND		ug/kg	0.98	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.4	0.22	1
Dibromochloromethane	ND		ug/kg	0.98	0.30	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30	1
Tetrachloroethene	ND		ug/kg	0.98	0.14	1
Chlorobenzene	ND		ug/kg	0.98	0.34	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.12	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.98	0.11	1
Bromodichloromethane	ND		ug/kg	0.98	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	0.98	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.9	0.44	1
Bromoform	ND		ug/kg	3.9	0.40	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.98	0.17	1
Benzene	ND		ug/kg	0.98	0.12	1
Toluene	0.32	J	ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	4.9	0.76	1
Bromomethane	ND		ug/kg	2.0	0.33	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
Chloroethane	ND		ug/kg	2.0	0.31	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	0.98	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	4.9	0.24	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-12

Date Collected: 07/11/13 12:15

Client ID: SB020 (10-12')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.10	1
p/m-Xylene	ND		ug/kg	2.0	0.32	1
o-Xylene	ND		ug/kg	2.0	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.15	1
Dibromomethane	ND		ug/kg	9.8	0.16	1
Styrene	ND		ug/kg	2.0	0.30	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.21	1
Acetone	36		ug/kg	9.8	3.0	1
Carbon disulfide	ND		ug/kg	9.8	2.0	1
2-Butanone	4.9	J	ug/kg	9.8	0.35	1
Vinyl acetate	ND		ug/kg	9.8	0.47	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	9.8	0.22	1
2-Hexanone	ND		ug/kg	9.8	0.18	1
Bromochloromethane	ND		ug/kg	4.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	4.9	0.22	1
1,2-Dibromoethane	ND		ug/kg	3.9	0.17	1
1,3-Dichloropropane	ND		ug/kg	4.9	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.98	0.31	1
Bromobenzene	ND		ug/kg	4.9	0.20	1
n-Butylbenzene	ND		ug/kg	0.98	0.19	1
sec-Butylbenzene	ND		ug/kg	0.98	0.20	1
tert-Butylbenzene	ND		ug/kg	4.9	0.55	1
o-Chlorotoluene	ND		ug/kg	4.9	0.16	1
p-Chlorotoluene	ND		ug/kg	4.9	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.9	0.77	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.41	1
Isopropylbenzene	ND		ug/kg	0.98	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.19	1
Naphthalene	ND		ug/kg	4.9	0.75	1
Acrylonitrile	ND		ug/kg	9.8	0.23	1
n-Propylbenzene	ND		ug/kg	0.98	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.9	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.9	0.77	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.9	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.9	0.56	1
1,4-Dioxane	ND		ug/kg	98	17.	1
1,4-Diethylbenzene	ND		ug/kg	3.9	0.16	1
4-Ethyltoluene	ND		ug/kg	3.9	0.11	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-12

Date Collected: 07/11/13 12:15

Client ID: SB020 (10-12')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.9	0.13	1
Ethyl ether	ND		ug/kg	4.9	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	0.44	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	100		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-13
 Client ID: SB021 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/20/13 13:43
 Analyst: PP
 Percent Solids: 88%

Date Collected: 07/11/13 12:40
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	730	150	1
1,1-Dichloroethane	ND		ug/kg	110	13.	1
Chloroform	ND		ug/kg	110	27.	1
Carbon tetrachloride	ND		ug/kg	73	15.	1
1,2-Dichloropropane	ND		ug/kg	260	17.	1
Dibromochloromethane	ND		ug/kg	73	23.	1
1,1,2-Trichloroethane	ND		ug/kg	110	22.	1
Tetrachloroethene	ND		ug/kg	73	10.	1
Chlorobenzene	ND		ug/kg	73	26.	1
Trichlorofluoromethane	ND		ug/kg	370	8.9	1
1,2-Dichloroethane	ND		ug/kg	73	11.	1
1,1,1-Trichloroethane	ND		ug/kg	73	8.1	1
Bromodichloromethane	ND		ug/kg	73	17.	1
trans-1,3-Dichloropropene	ND		ug/kg	73	8.9	1
cis-1,3-Dichloropropene	ND		ug/kg	73	9.3	1
1,1-Dichloropropene	ND		ug/kg	370	33.	1
Bromoform	ND		ug/kg	290	30.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	73	12.	1
Benzene	ND		ug/kg	73	8.7	1
Toluene	ND		ug/kg	110	8.2	1
Ethylbenzene	ND		ug/kg	73	11.	1
Chloromethane	ND		ug/kg	370	58.	1
Bromomethane	ND		ug/kg	150	25.	1
Vinyl chloride	ND		ug/kg	150	10.	1
Chloroethane	ND		ug/kg	150	23.	1
1,1-Dichloroethene	ND		ug/kg	73	15.	1
trans-1,2-Dichloroethene	ND		ug/kg	110	16.	1
Trichloroethene	ND		ug/kg	73	11.	1
1,2-Dichlorobenzene	ND		ug/kg	370	13.	1
1,3-Dichlorobenzene	ND		ug/kg	370	13.	1
1,4-Dichlorobenzene	ND		ug/kg	370	18.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-13

Date Collected: 07/11/13 12:40

Client ID: SB021 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	150	7.6	1
p/m-Xylene	120	J	ug/kg	150	24.	1
o-Xylene	ND		ug/kg	150	20.	1
cis-1,2-Dichloroethene	ND		ug/kg	73	11.	1
Dibromomethane	ND		ug/kg	730	12.	1
Styrene	ND		ug/kg	150	23.	1
Dichlorodifluoromethane	ND		ug/kg	730	16.	1
Acetone	ND		ug/kg	730	230	1
Carbon disulfide	ND		ug/kg	730	150	1
2-Butanone	ND		ug/kg	730	26.	1
Vinyl acetate	ND		ug/kg	730	35.	1
4-Methyl-2-pentanone	ND		ug/kg	730	18.	1
1,2,3-Trichloropropane	ND		ug/kg	730	16.	1
2-Hexanone	ND		ug/kg	730	14.	1
Bromochloromethane	ND		ug/kg	370	14.	1
2,2-Dichloropropane	ND		ug/kg	370	16.	1
1,2-Dibromoethane	ND		ug/kg	290	13.	1
1,3-Dichloropropane	ND		ug/kg	370	13.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	73	23.	1
Bromobenzene	ND		ug/kg	370	15.	1
n-Butylbenzene	ND		ug/kg	73	14.	1
sec-Butylbenzene	ND		ug/kg	73	15.	1
tert-Butylbenzene	ND		ug/kg	370	41.	1
o-Chlorotoluene	ND		ug/kg	370	12.	1
p-Chlorotoluene	ND		ug/kg	370	11.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	370	58.	1
Hexachlorobutadiene	ND		ug/kg	370	31.	1
Isopropylbenzene	ND		ug/kg	73	12.	1
p-Isopropyltoluene	100		ug/kg	73	14.	1
Naphthalene	380		ug/kg	370	56.	1
Acrylonitrile	ND		ug/kg	730	17.	1
n-Propylbenzene	45	J	ug/kg	73	9.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	370	12.	1
1,2,4-Trichlorobenzene	ND		ug/kg	370	58.	1
1,3,5-Trimethylbenzene	87	J	ug/kg	370	10.	1
1,2,4-Trimethylbenzene	280	J	ug/kg	370	42.	1
1,4-Dioxane	ND		ug/kg	7300	1300	1
1,4-Diethylbenzene	170	J	ug/kg	290	12.	1
4-Ethyltoluene	180	J	ug/kg	290	8.6	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-13

Date Collected: 07/11/13 12:40

Client ID: SB021 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	94	J	ug/kg	290	9.6	1
Ethyl ether	ND		ug/kg	370	20.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	370	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-14
 Client ID: SB021 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/21/13 16:44
 Analyst: BN
 Percent Solids: 60%

Date Collected: 07/11/13 12:45
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	1600	320	1
1,1-Dichloroethane	ND		ug/kg	240	28.	1
Chloroform	ND		ug/kg	240	60.	1
Carbon tetrachloride	ND		ug/kg	160	34.	1
1,2-Dichloropropane	ND		ug/kg	560	37.	1
Dibromochloromethane	ND		ug/kg	160	50.	1
1,1,2-Trichloroethane	ND		ug/kg	240	49.	1
Tetrachloroethene	ND		ug/kg	160	22.	1
Chlorobenzene	ND		ug/kg	160	56.	1
Trichlorofluoromethane	ND		ug/kg	800	20.	1
1,2-Dichloroethane	ND		ug/kg	160	24.	1
1,1,1-Trichloroethane	ND		ug/kg	160	18.	1
Bromodichloromethane	ND		ug/kg	160	37.	1
trans-1,3-Dichloropropene	ND		ug/kg	160	19.	1
cis-1,3-Dichloropropene	ND		ug/kg	160	20.	1
1,1-Dichloropropene	ND		ug/kg	800	73.	1
Bromoform	ND		ug/kg	640	67.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	160	27.	1
Benzene	ND		ug/kg	160	19.	1
Toluene	130	J	ug/kg	240	18.	1
Ethylbenzene	140	J	ug/kg	160	24.	1
Chloromethane	ND		ug/kg	800	130	1
Bromomethane	ND		ug/kg	320	54.	1
Vinyl chloride	ND		ug/kg	320	23.	1
Chloroethane	ND		ug/kg	320	51.	1
1,1-Dichloroethene	ND		ug/kg	160	33.	1
trans-1,2-Dichloroethene	ND		ug/kg	240	34.	1
Trichloroethene	ND		ug/kg	160	24.	1
1,2-Dichlorobenzene	ND		ug/kg	800	29.	1
1,3-Dichlorobenzene	ND		ug/kg	800	29.	1
1,4-Dichlorobenzene	ND		ug/kg	800	39.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-14

Date Collected: 07/11/13 12:45

Client ID: SB021 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	320	17.	1
p/m-Xylene	680		ug/kg	320	52.	1
o-Xylene	120	J	ug/kg	320	44.	1
cis-1,2-Dichloroethene	ND		ug/kg	160	24.	1
Dibromomethane	ND		ug/kg	1600	26.	1
Styrene	ND		ug/kg	320	50.	1
Dichlorodifluoromethane	ND		ug/kg	1600	35.	1
Acetone	ND		ug/kg	1600	500	1
Carbon disulfide	ND		ug/kg	1600	320	1
2-Butanone	ND		ug/kg	1600	57.	1
Vinyl acetate	ND		ug/kg	1600	77.	1
4-Methyl-2-pentanone	ND		ug/kg	1600	39.	1
1,2,3-Trichloropropane	ND		ug/kg	1600	36.	1
2-Hexanone	ND		ug/kg	1600	30.	1
Bromochloromethane	ND		ug/kg	800	32.	1
2,2-Dichloropropane	ND		ug/kg	800	36.	1
1,2-Dibromoethane	ND		ug/kg	640	29.	1
1,3-Dichloropropane	ND		ug/kg	800	28.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	160	51.	1
Bromobenzene	ND		ug/kg	800	34.	1
n-Butylbenzene	210		ug/kg	160	32.	1
sec-Butylbenzene	ND		ug/kg	160	33.	1
tert-Butylbenzene	ND		ug/kg	800	90.	1
o-Chlorotoluene	ND		ug/kg	800	26.	1
p-Chlorotoluene	ND		ug/kg	800	25.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	800	130	1
Hexachlorobutadiene	ND		ug/kg	800	68.	1
Isopropylbenzene	ND		ug/kg	160	27.	1
p-Isopropyltoluene	140	J	ug/kg	160	31.	1
Naphthalene	1800		ug/kg	800	120	1
Acrylonitrile	ND		ug/kg	1600	38.	1
n-Propylbenzene	250		ug/kg	160	20.	1
1,2,3-Trichlorobenzene	ND		ug/kg	800	27.	1
1,2,4-Trichlorobenzene	ND		ug/kg	800	130	1
1,3,5-Trimethylbenzene	370	J	ug/kg	800	23.	1
1,2,4-Trimethylbenzene	1400		ug/kg	800	92.	1
1,4-Dioxane	ND		ug/kg	16000	2800	1
1,4-Diethylbenzene	710		ug/kg	640	26.	1
4-Ethyltoluene	1100		ug/kg	640	19.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-14

Date Collected: 07/11/13 12:45

Client ID: SB021 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	640	21.	1
Ethyl ether	ND		ug/kg	800	43.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	800	72.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	96		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-15 D
 Client ID: SB021 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/21/13 17:12
 Analyst: BN
 Percent Solids: 86%

Date Collected: 07/11/13 12:50
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4800	970	10
1,1-Dichloroethane	ND		ug/kg	730	86.	10
Chloroform	ND		ug/kg	730	180	10
Carbon tetrachloride	ND		ug/kg	480	100	10
1,2-Dichloropropane	ND		ug/kg	1700	110	10
Dibromochloromethane	ND		ug/kg	480	150	10
1,1,2-Trichloroethane	ND		ug/kg	730	150	10
Tetrachloroethene	ND		ug/kg	480	68.	10
Chlorobenzene	ND		ug/kg	480	170	10
Trichlorofluoromethane	ND		ug/kg	2400	59.	10
1,2-Dichloroethane	ND		ug/kg	480	71.	10
1,1,1-Trichloroethane	ND		ug/kg	480	54.	10
Bromodichloromethane	ND		ug/kg	480	110	10
trans-1,3-Dichloropropene	ND		ug/kg	480	58.	10
cis-1,3-Dichloropropene	ND		ug/kg	480	62.	10
1,1-Dichloropropene	ND		ug/kg	2400	220	10
Bromoform	ND		ug/kg	1900	200	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	480	83.	10
Benzene	ND		ug/kg	480	57.	10
Toluene	ND		ug/kg	730	54.	10
Ethylbenzene	ND		ug/kg	480	71.	10
Chloromethane	ND		ug/kg	2400	380	10
Bromomethane	ND		ug/kg	970	160	10
Vinyl chloride	ND		ug/kg	970	68.	10
Chloroethane	ND		ug/kg	970	150	10
1,1-Dichloroethene	ND		ug/kg	480	100	10
trans-1,2-Dichloroethene	ND		ug/kg	730	100	10
Trichloroethene	ND		ug/kg	480	74.	10
1,2-Dichlorobenzene	ND		ug/kg	2400	89.	10
1,3-Dichlorobenzene	ND		ug/kg	2400	89.	10
1,4-Dichlorobenzene	ND		ug/kg	2400	120	10

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-15 D
 Client ID: SB021 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Date Collected: 07/11/13 12:50
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	970	50.	10
p/m-Xylene	ND		ug/kg	970	160	10
o-Xylene	ND		ug/kg	970	130	10
cis-1,2-Dichloroethene	ND		ug/kg	480	72.	10
Dibromomethane	ND		ug/kg	4800	79.	10
Styrene	ND		ug/kg	970	150	10
Dichlorodifluoromethane	ND		ug/kg	4800	100	10
Acetone	ND		ug/kg	4800	1500	10
Carbon disulfide	ND		ug/kg	4800	970	10
2-Butanone	ND		ug/kg	4800	170	10
Vinyl acetate	ND		ug/kg	4800	230	10
4-Methyl-2-pentanone	ND		ug/kg	4800	120	10
1,2,3-Trichloropropane	ND		ug/kg	4800	110	10
2-Hexanone	ND		ug/kg	4800	91.	10
Bromochloromethane	ND		ug/kg	2400	95.	10
2,2-Dichloropropane	ND		ug/kg	2400	110	10
1,2-Dibromoethane	ND		ug/kg	1900	86.	10
1,3-Dichloropropane	ND		ug/kg	2400	84.	10
1,1,1,2-Tetrachloroethane	ND		ug/kg	480	150	10
Bromobenzene	ND		ug/kg	2400	100	10
n-Butylbenzene	ND		ug/kg	480	96.	10
sec-Butylbenzene	ND		ug/kg	480	100	10
tert-Butylbenzene	ND		ug/kg	2400	270	10
o-Chlorotoluene	ND		ug/kg	2400	77.	10
p-Chlorotoluene	ND		ug/kg	2400	74.	10
1,2-Dibromo-3-chloropropane	ND		ug/kg	2400	380	10
Hexachlorobutadiene	ND		ug/kg	2400	200	10
Isopropylbenzene	ND		ug/kg	480	81.	10
p-Isopropyltoluene	ND		ug/kg	480	92.	10
Naphthalene	ND		ug/kg	2400	370	10
Acrylonitrile	ND		ug/kg	4800	120	10
n-Propylbenzene	ND		ug/kg	480	61.	10
1,2,3-Trichlorobenzene	ND		ug/kg	2400	81.	10
1,2,4-Trichlorobenzene	ND		ug/kg	2400	380	10
1,3,5-Trimethylbenzene	ND		ug/kg	2400	69.	10
1,2,4-Trimethylbenzene	ND		ug/kg	2400	280	10
1,4-Dioxane	ND		ug/kg	48000	8400	10
1,4-Diethylbenzene	ND		ug/kg	1900	77.	10
4-Ethyltoluene	ND		ug/kg	1900	57.	10

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-15 D
 Client ID: SB021 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Date Collected: 07/11/13 12:50
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	1900	63.	10
Ethyl ether	ND		ug/kg	2400	130	10
trans-1,4-Dichloro-2-butene	ND		ug/kg	2400	220	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	97		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-16
 Client ID: SB022 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/20/13 15:08
 Analyst: PP
 Percent Solids: 92%

Date Collected: 07/11/13 13:55
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	1000	210	1
1,1-Dichloroethane	ND		ug/kg	160	19.	1
Chloroform	ND		ug/kg	160	39.	1
Carbon tetrachloride	ND		ug/kg	100	22.	1
1,2-Dichloropropane	ND		ug/kg	370	24.	1
Dibromochloromethane	ND		ug/kg	100	32.	1
1,1,2-Trichloroethane	ND		ug/kg	160	32.	1
Tetrachloroethene	ND		ug/kg	100	15.	1
Chlorobenzene	ND		ug/kg	100	37.	1
Trichlorofluoromethane	ND		ug/kg	530	13.	1
1,2-Dichloroethane	ND		ug/kg	100	15.	1
1,1,1-Trichloroethane	ND		ug/kg	100	12.	1
Bromodichloromethane	ND		ug/kg	100	24.	1
trans-1,3-Dichloropropene	ND		ug/kg	100	13.	1
cis-1,3-Dichloropropene	ND		ug/kg	100	13.	1
1,1-Dichloropropene	ND		ug/kg	530	48.	1
Bromoform	ND		ug/kg	420	44.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	100	18.	1
Benzene	67	J	ug/kg	100	12.	1
Toluene	97	J	ug/kg	160	12.	1
Ethylbenzene	170		ug/kg	100	16.	1
Chloromethane	ND		ug/kg	530	83.	1
Bromomethane	ND		ug/kg	210	36.	1
Vinyl chloride	ND		ug/kg	210	15.	1
Chloroethane	ND		ug/kg	210	33.	1
1,1-Dichloroethene	ND		ug/kg	100	22.	1
trans-1,2-Dichloroethene	ND		ug/kg	160	22.	1
Trichloroethene	2100		ug/kg	100	16.	1
1,2-Dichlorobenzene	ND		ug/kg	530	19.	1
1,3-Dichlorobenzene	ND		ug/kg	530	19.	1
1,4-Dichlorobenzene	ND		ug/kg	530	26.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-16

Date Collected: 07/11/13 13:55

Client ID: SB022 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	210	11.	1
p/m-Xylene	220		ug/kg	210	34.	1
o-Xylene	96	J	ug/kg	210	29.	1
cis-1,2-Dichloroethene	ND		ug/kg	100	16.	1
Dibromomethane	ND		ug/kg	1000	17.	1
Styrene	ND		ug/kg	210	33.	1
Dichlorodifluoromethane	ND		ug/kg	1000	23.	1
Acetone	ND		ug/kg	1000	330	1
Carbon disulfide	ND		ug/kg	1000	210	1
2-Butanone	ND		ug/kg	1000	38.	1
Vinyl acetate	ND		ug/kg	1000	51.	1
4-Methyl-2-pentanone	ND		ug/kg	1000	26.	1
1,2,3-Trichloropropane	ND		ug/kg	1000	24.	1
2-Hexanone	ND		ug/kg	1000	20.	1
Bromochloromethane	ND		ug/kg	530	21.	1
2,2-Dichloropropane	ND		ug/kg	530	24.	1
1,2-Dibromoethane	ND		ug/kg	420	19.	1
1,3-Dichloropropane	ND		ug/kg	530	18.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	100	34.	1
Bromobenzene	ND		ug/kg	530	22.	1
n-Butylbenzene	ND		ug/kg	100	21.	1
sec-Butylbenzene	ND		ug/kg	100	22.	1
tert-Butylbenzene	ND		ug/kg	530	59.	1
o-Chlorotoluene	ND		ug/kg	530	17.	1
p-Chlorotoluene	ND		ug/kg	530	16.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	530	83.	1
Hexachlorobutadiene	ND		ug/kg	530	45.	1
Isopropylbenzene	ND		ug/kg	100	18.	1
p-Isopropyltoluene	ND		ug/kg	100	20.	1
Naphthalene	600		ug/kg	530	81.	1
Acrylonitrile	ND		ug/kg	1000	25.	1
n-Propylbenzene	ND		ug/kg	100	13.	1
1,2,3-Trichlorobenzene	ND		ug/kg	530	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	530	83.	1
1,3,5-Trimethylbenzene	82	J	ug/kg	530	15.	1
1,2,4-Trimethylbenzene	230	J	ug/kg	530	60.	1
1,4-Dioxane	ND		ug/kg	10000	1800	1
1,4-Diethylbenzene	ND		ug/kg	420	17.	1
4-Ethyltoluene	160	J	ug/kg	420	12.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-16

Date Collected: 07/11/13 13:55

Client ID: SB022 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	420	14.	1
Ethyl ether	ND		ug/kg	530	28.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	530	47.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-17
 Client ID: SB022 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/20/13 15:37
 Analyst: PP
 Percent Solids: 88%

Date Collected: 07/11/13 14:00
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	930	190	1
1,1-Dichloroethane	ND		ug/kg	140	16.	1
Chloroform	88	J	ug/kg	140	34.	1
Carbon tetrachloride	ND		ug/kg	93	20.	1
1,2-Dichloropropane	ND		ug/kg	330	21.	1
Dibromochloromethane	ND		ug/kg	93	29.	1
1,1,2-Trichloroethane	ND		ug/kg	140	28.	1
Tetrachloroethene	ND		ug/kg	93	13.	1
Chlorobenzene	ND		ug/kg	93	32.	1
Trichlorofluoromethane	ND		ug/kg	470	11.	1
1,2-Dichloroethane	ND		ug/kg	93	14.	1
1,1,1-Trichloroethane	ND		ug/kg	93	10.	1
Bromodichloromethane	ND		ug/kg	93	21.	1
trans-1,3-Dichloropropene	ND		ug/kg	93	11.	1
cis-1,3-Dichloropropene	ND		ug/kg	93	12.	1
1,1-Dichloropropene	ND		ug/kg	470	42.	1
Bromoform	ND		ug/kg	370	39.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	93	16.	1
Benzene	77	J	ug/kg	93	11.	1
Toluene	130	J	ug/kg	140	10.	1
Ethylbenzene	ND		ug/kg	93	14.	1
Chloromethane	ND		ug/kg	470	73.	1
Bromomethane	ND		ug/kg	190	32.	1
Vinyl chloride	ND		ug/kg	190	13.	1
Chloroethane	ND		ug/kg	190	29.	1
1,1-Dichloroethene	ND		ug/kg	93	19.	1
trans-1,2-Dichloroethene	ND		ug/kg	140	20.	1
Trichloroethene	4500		ug/kg	93	14.	1
1,2-Dichlorobenzene	ND		ug/kg	470	17.	1
1,3-Dichlorobenzene	ND		ug/kg	470	17.	1
1,4-Dichlorobenzene	ND		ug/kg	470	22.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-17

Date Collected: 07/11/13 14:00

Client ID: SB022 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	190	9.7	1
p/m-Xylene	350		ug/kg	190	30.	1
o-Xylene	130	J	ug/kg	190	25.	1
cis-1,2-Dichloroethene	ND		ug/kg	93	14.	1
Dibromomethane	ND		ug/kg	930	15.	1
Styrene	ND		ug/kg	190	29.	1
Dichlorodifluoromethane	ND		ug/kg	930	20.	1
Acetone	630	J	ug/kg	930	290	1
Carbon disulfide	ND		ug/kg	930	190	1
2-Butanone	ND		ug/kg	930	33.	1
Vinyl acetate	ND		ug/kg	930	45.	1
4-Methyl-2-pentanone	ND		ug/kg	930	23.	1
1,2,3-Trichloropropane	ND		ug/kg	930	21.	1
2-Hexanone	ND		ug/kg	930	18.	1
Bromochloromethane	ND		ug/kg	470	18.	1
2,2-Dichloropropane	ND		ug/kg	470	21.	1
1,2-Dibromoethane	ND		ug/kg	370	16.	1
1,3-Dichloropropane	ND		ug/kg	470	16.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	93	30.	1
Bromobenzene	ND		ug/kg	470	19.	1
n-Butylbenzene	ND		ug/kg	93	18.	1
sec-Butylbenzene	ND		ug/kg	93	19.	1
tert-Butylbenzene	ND		ug/kg	470	52.	1
o-Chlorotoluene	ND		ug/kg	470	15.	1
p-Chlorotoluene	ND		ug/kg	470	14.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	470	74.	1
Hexachlorobutadiene	ND		ug/kg	470	39.	1
Isopropylbenzene	ND		ug/kg	93	16.	1
p-Isopropyltoluene	ND		ug/kg	93	18.	1
Naphthalene	310	J	ug/kg	470	72.	1
Acrylonitrile	ND		ug/kg	930	22.	1
n-Propylbenzene	71	J	ug/kg	93	12.	1
1,2,3-Trichlorobenzene	ND		ug/kg	470	16.	1
1,2,4-Trichlorobenzene	ND		ug/kg	470	74.	1
1,3,5-Trimethylbenzene	91	J	ug/kg	470	13.	1
1,2,4-Trimethylbenzene	210	J	ug/kg	470	53.	1
1,4-Dioxane	ND		ug/kg	9300	1600	1
1,4-Diethylbenzene	110	J	ug/kg	370	15.	1
4-Ethyltoluene	130	J	ug/kg	370	11.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-17

Date Collected: 07/11/13 14:00

Client ID: SB022 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	91	J	ug/kg	370	12.	1
Ethyl ether	ND		ug/kg	470	25.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	470	42.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-18
 Client ID: SB022 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/20/13 17:51
 Analyst: PP
 Percent Solids: 78%

Date Collected: 07/11/13 14:05
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.6	1.7	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.15	1
Chloroform	ND		ug/kg	1.3	0.32	1
Carbon tetrachloride	ND		ug/kg	0.86	0.18	1
1,2-Dichloropropane	ND		ug/kg	3.0	0.20	1
Dibromochloromethane	ND		ug/kg	0.86	0.26	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.26	1
Tetrachloroethene	ND		ug/kg	0.86	0.12	1
Chlorobenzene	ND		ug/kg	0.86	0.30	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.10	1
1,2-Dichloroethane	ND		ug/kg	0.86	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	0.86	0.10	1
Bromodichloromethane	ND		ug/kg	0.86	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	0.86	0.10	1
cis-1,3-Dichloropropene	ND		ug/kg	0.86	0.11	1
1,1-Dichloropropene	ND		ug/kg	4.3	0.39	1
Bromoform	ND		ug/kg	3.4	0.36	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.86	0.15	1
Benzene	0.17	J	ug/kg	0.86	0.10	1
Toluene	0.40	J	ug/kg	1.3	0.10	1
Ethylbenzene	ND		ug/kg	0.86	0.13	1
Chloromethane	ND		ug/kg	4.3	0.67	1
Bromomethane	ND		ug/kg	1.7	0.29	1
Vinyl chloride	ND		ug/kg	1.7	0.12	1
Chloroethane	ND		ug/kg	1.7	0.27	1
1,1-Dichloroethene	ND		ug/kg	0.86	0.18	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.18	1
Trichloroethene	ND		ug/kg	0.86	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	4.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	4.3	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	4.3	0.21	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-18

Date Collected: 07/11/13 14:05

Client ID: SB022 (10-12')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.7	0.09	1
p/m-Xylene	ND		ug/kg	1.7	0.28	1
o-Xylene	ND		ug/kg	1.7	0.23	1
cis-1,2-Dichloroethene	ND		ug/kg	0.86	0.13	1
Dibromomethane	ND		ug/kg	8.6	0.14	1
Styrene	ND		ug/kg	1.7	0.27	1
Dichlorodifluoromethane	ND		ug/kg	8.6	0.19	1
Acetone	26		ug/kg	8.6	2.7	1
Carbon disulfide	7.8	J	ug/kg	8.6	1.7	1
2-Butanone	ND		ug/kg	8.6	0.30	1
Vinyl acetate	ND		ug/kg	8.6	0.41	1
4-Methyl-2-pentanone	ND		ug/kg	8.6	0.21	1
1,2,3-Trichloropropane	ND		ug/kg	8.6	0.19	1
2-Hexanone	ND		ug/kg	8.6	0.16	1
Bromochloromethane	ND		ug/kg	4.3	0.17	1
2,2-Dichloropropane	ND		ug/kg	4.3	0.19	1
1,2-Dibromoethane	ND		ug/kg	3.4	0.15	1
1,3-Dichloropropane	ND		ug/kg	4.3	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.86	0.27	1
Bromobenzene	ND		ug/kg	4.3	0.18	1
n-Butylbenzene	ND		ug/kg	0.86	0.17	1
sec-Butylbenzene	ND		ug/kg	0.86	0.18	1
tert-Butylbenzene	ND		ug/kg	4.3	0.48	1
o-Chlorotoluene	ND		ug/kg	4.3	0.14	1
p-Chlorotoluene	ND		ug/kg	4.3	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.3	0.68	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.36	1
Isopropylbenzene	ND		ug/kg	0.86	0.14	1
p-Isopropyltoluene	ND		ug/kg	0.86	0.16	1
Naphthalene	ND		ug/kg	4.3	0.66	1
Acrylonitrile	ND		ug/kg	8.6	0.20	1
n-Propylbenzene	ND		ug/kg	0.86	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.3	0.14	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.3	0.68	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.3	0.12	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.3	0.49	1
1,4-Dioxane	ND		ug/kg	86	15.	1
1,4-Diethylbenzene	ND		ug/kg	3.4	0.14	1
4-Ethyltoluene	ND		ug/kg	3.4	0.10	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-18

Date Collected: 07/11/13 14:05

Client ID: SB022 (10-12')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.4	0.11	1
Ethyl ether	ND		ug/kg	4.3	0.23	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.3	0.38	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	96		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-19
 Client ID: SOIL_DUP_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/20/13 18:27
 Analyst: PP
 Percent Solids: 87%

Date Collected: 07/11/13 00:00
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	7.6	J	ug/kg	21	4.3	1
1,1-Dichloroethane	ND		ug/kg	3.2	0.38	1
Chloroform	ND		ug/kg	3.2	0.79	1
Carbon tetrachloride	ND		ug/kg	2.1	0.45	1
1,2-Dichloropropane	ND		ug/kg	7.5	0.49	1
Dibromochloromethane	ND		ug/kg	2.1	0.66	1
1,1,2-Trichloroethane	ND		ug/kg	3.2	0.65	1
Tetrachloroethene	ND		ug/kg	2.1	0.30	1
Chlorobenzene	ND		ug/kg	2.1	0.74	1
Trichlorofluoromethane	ND		ug/kg	11	0.26	1
1,2-Dichloroethane	ND		ug/kg	2.1	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	2.1	0.24	1
Bromodichloromethane	ND		ug/kg	2.1	0.49	1
trans-1,3-Dichloropropene	ND		ug/kg	2.1	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	2.1	0.27	1
1,1-Dichloropropene	ND		ug/kg	11	0.97	1
Bromoform	ND		ug/kg	8.5	0.88	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.1	0.36	1
Benzene	ND		ug/kg	2.1	0.25	1
Toluene	0.75	J	ug/kg	3.2	0.24	1
Ethylbenzene	ND		ug/kg	2.1	0.31	1
Chloromethane	ND		ug/kg	11	1.7	1
Bromomethane	ND		ug/kg	4.3	0.72	1
Vinyl chloride	ND		ug/kg	4.3	0.30	1
Chloroethane	ND		ug/kg	4.3	0.67	1
1,1-Dichloroethene	ND		ug/kg	2.1	0.44	1
trans-1,2-Dichloroethene	ND		ug/kg	3.2	0.45	1
Trichloroethene	ND		ug/kg	2.1	0.32	1
1,2-Dichlorobenzene	ND		ug/kg	11	0.39	1
1,3-Dichlorobenzene	ND		ug/kg	11	0.39	1
1,4-Dichlorobenzene	ND		ug/kg	11	0.52	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-19

Date Collected: 07/11/13 00:00

Client ID: SOIL_DUP_001

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	4.3	0.22	1
p/m-Xylene	ND		ug/kg	4.3	0.69	1
o-Xylene	ND		ug/kg	4.3	0.58	1
cis-1,2-Dichloroethene	ND		ug/kg	2.1	0.32	1
Dibromomethane	ND		ug/kg	21	0.35	1
Styrene	ND		ug/kg	4.3	0.66	1
Dichlorodifluoromethane	ND		ug/kg	21	0.46	1
Acetone	66		ug/kg	21	6.6	1
Carbon disulfide	ND		ug/kg	21	4.3	1
2-Butanone	ND		ug/kg	21	0.76	1
Vinyl acetate	ND		ug/kg	21	1.0	1
4-Methyl-2-pentanone	ND		ug/kg	21	0.52	1
1,2,3-Trichloropropane	ND		ug/kg	21	0.48	1
2-Hexanone	ND		ug/kg	21	0.40	1
Bromochloromethane	ND		ug/kg	11	0.42	1
2,2-Dichloropropane	ND		ug/kg	11	0.48	1
1,2-Dibromoethane	ND		ug/kg	8.5	0.38	1
1,3-Dichloropropane	ND		ug/kg	11	0.37	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.1	0.68	1
Bromobenzene	ND		ug/kg	11	0.44	1
n-Butylbenzene	ND		ug/kg	2.1	0.42	1
sec-Butylbenzene	ND		ug/kg	2.1	0.44	1
tert-Butylbenzene	ND		ug/kg	11	1.2	1
o-Chlorotoluene	ND		ug/kg	11	0.34	1
p-Chlorotoluene	ND		ug/kg	11	0.33	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	11	1.7	1
Hexachlorobutadiene	ND		ug/kg	11	0.90	1
Isopropylbenzene	ND		ug/kg	2.1	0.36	1
p-Isopropyltoluene	ND		ug/kg	2.1	0.41	1
Naphthalene	ND		ug/kg	11	1.6	1
Acrylonitrile	ND		ug/kg	21	0.51	1
n-Propylbenzene	ND		ug/kg	2.1	0.27	1
1,2,3-Trichlorobenzene	ND		ug/kg	11	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	11	1.7	1
1,3,5-Trimethylbenzene	ND		ug/kg	11	0.30	1
1,2,4-Trimethylbenzene	ND		ug/kg	11	1.2	1
1,4-Dioxane	ND		ug/kg	210	37.	1
1,4-Diethylbenzene	ND		ug/kg	8.5	0.34	1
4-Ethyltoluene	ND		ug/kg	8.5	0.25	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-19

Date Collected: 07/11/13 00:00

Client ID: SOIL_DUP_001

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	8.5	0.28	1
Ethyl ether	ND		ug/kg	11	0.57	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	11	0.96	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	102		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-20
 Client ID: EQUIP_BLANK_SOIL_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 07/18/13 16:57
 Analyst: PD

Date Collected: 07/11/13 09:25
 Date Received: 07/12/13
 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	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	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	0.16	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
1,1-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	0.19	1
Benzene	ND		ug/l	0.50	0.19	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	0.18	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
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-20
 Client ID: EQUIP_BLANK_SOIL_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Date Collected: 07/11/13 09:25
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	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	3.1	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
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	76.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-20

Date Collected: 07/11/13 09:25

Client ID: EQUIP_BLANK_SOIL_001

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

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	96		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	136	Q	70-130
Dibromofluoromethane	98		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-21
 Client ID: SB020 (GW)
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 07/18/13 17:34
 Analyst: PD

Date Collected: 07/11/13 12:20
 Date Received: 07/12/13
 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	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	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	0.16	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
1,1-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	0.19	1
Benzene	ND		ug/l	0.50	0.19	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	0.18	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
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-21

Date Collected: 07/11/13 12:20

Client ID: SB020 (GW)

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	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	ND		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	0.90	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
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	76.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-21

Date Collected: 07/11/13 12:20

Client ID: SB020 (GW)

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

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	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	139	Q	70-130
Dibromofluoromethane	98		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-22
 Client ID: SB021 (GW)
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 07/22/13 14:12
 Analyst: PD

Date Collected: 07/11/13 13:00
 Date Received: 07/12/13
 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	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	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	0.16	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
1,1-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	0.19	1
Benzene	ND		ug/l	0.50	0.19	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	0.18	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
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-22

Date Collected: 07/11/13 13:00

Client ID: SB021 (GW)

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	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	11		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	1.1	J	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	0.82	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	0.81	J	ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	1.5	J	ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	76.	1
1,4-Diethylbenzene	1.3	J	ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-22

Date Collected: 07/11/13 13:00

Client ID: SB021 (GW)

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

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	103		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	98		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-23
 Client ID: SB022 (GW)
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 07/18/13 18:47
 Analyst: PD

Date Collected: 07/11/13 14:40
 Date Received: 07/12/13
 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	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	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	0.16	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
1,1-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	0.19	1
Benzene	ND		ug/l	0.50	0.19	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	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	1.7		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-23

Date Collected: 07/11/13 14:40

Client ID: SB022 (GW)

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	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	26		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
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	76.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-23

Date Collected: 07/11/13 14:40

Client ID: SB022 (GW)

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

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	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	147	Q	70-130
Dibromofluoromethane	98		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-24
 Client ID: GW_DUP_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 07/22/13 14:47
 Analyst: PD

Date Collected: 07/11/13 00:00
 Date Received: 07/12/13
 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	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	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	0.16	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
1,1-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	0.19	1
Benzene	ND		ug/l	0.50	0.19	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	0.18	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
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-24

Date Collected: 07/11/13 00:00

Client ID: GW_DUP_001

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	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	13		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	1.1	J	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	0.96	J	ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	1.7	J	ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	76.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-24

Date Collected: 07/11/13 00:00

Client ID: GW_DUP_001

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	0.73	J	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	103		70-130
4-Bromofluorobenzene	119		70-130
Dibromofluoromethane	98		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-25
 Client ID: EQUIP_BLANK_GW_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 07/22/13 15:22
 Analyst: PD

Date Collected: 07/11/13 08:30
 Date Received: 07/12/13
 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	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	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	0.16	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
1,1-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	0.19	1
Benzene	ND		ug/l	0.50	0.19	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	0.18	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
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-25

Date Collected: 07/11/13 08:30

Client ID: EQUIP_BLANK_GW_001

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	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	ND		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
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	76.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-25

Date Collected: 07/11/13 08:30

Client ID: EQUIP_BLANK_GW_001

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

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	105		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	95		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-26
 Client ID: TRIP BLANK
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 07/22/13 15:57
 Analyst: PD

Date Collected: 07/11/13 00:00
 Date Received: 07/12/13
 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	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	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	0.16	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
1,1-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	0.19	1
Benzene	ND		ug/l	0.50	0.19	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	0.18	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
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-26

Date Collected: 07/11/13 00:00

Client ID: TRIP BLANK

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	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	1.0	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	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
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	76.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-26

Date Collected: 07/11/13 00:00

Client ID: TRIP BLANK

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

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	96		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	96		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-27
 Client ID: SB023 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/20/13 19:03
 Analyst: PP
 Percent Solids: 81%

Date Collected: 07/11/13 08:50
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	3.5	J	ug/kg	14	2.7	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.24	1
Chloroform	ND		ug/kg	2.0	0.51	1
Carbon tetrachloride	ND		ug/kg	1.4	0.29	1
1,2-Dichloropropane	ND		ug/kg	4.8	0.31	1
Dibromochloromethane	ND		ug/kg	1.4	0.42	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.42	1
Tetrachloroethene	ND		ug/kg	1.4	0.19	1
Chlorobenzene	ND		ug/kg	1.4	0.48	1
Trichlorofluoromethane	ND		ug/kg	6.8	0.17	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.15	1
Bromodichloromethane	ND		ug/kg	1.4	0.31	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
1,1-Dichloropropene	ND		ug/kg	6.8	0.62	1
Bromoform	ND		ug/kg	5.5	0.57	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.23	1
Benzene	0.28	J	ug/kg	1.4	0.16	1
Toluene	0.67	J	ug/kg	2.0	0.15	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	6.8	1.1	1
Bromomethane	ND		ug/kg	2.7	0.46	1
Vinyl chloride	ND		ug/kg	2.7	0.19	1
Chloroethane	ND		ug/kg	2.7	0.43	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.29	1
Trichloroethene	ND		ug/kg	1.4	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	6.8	0.25	1
1,3-Dichlorobenzene	ND		ug/kg	6.8	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	6.8	0.33	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-27

Date Collected: 07/11/13 08:50

Client ID: SB023 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.7	0.14	1
p/m-Xylene	ND		ug/kg	2.7	0.44	1
o-Xylene	ND		ug/kg	2.7	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Dibromomethane	ND		ug/kg	14	0.22	1
Styrene	ND		ug/kg	2.7	0.42	1
Dichlorodifluoromethane	ND		ug/kg	14	0.30	1
Acetone	91		ug/kg	14	4.2	1
Carbon disulfide	ND		ug/kg	14	2.7	1
2-Butanone	ND		ug/kg	14	0.49	1
Vinyl acetate	ND		ug/kg	14	0.66	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.33	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.31	1
2-Hexanone	ND		ug/kg	14	0.26	1
Bromochloromethane	ND		ug/kg	6.8	0.27	1
2,2-Dichloropropane	ND		ug/kg	6.8	0.31	1
1,2-Dibromoethane	ND		ug/kg	5.5	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.8	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.44	1
Bromobenzene	ND		ug/kg	6.8	0.28	1
n-Butylbenzene	ND		ug/kg	1.4	0.27	1
sec-Butylbenzene	ND		ug/kg	1.4	0.28	1
tert-Butylbenzene	ND		ug/kg	6.8	0.77	1
o-Chlorotoluene	ND		ug/kg	6.8	0.22	1
p-Chlorotoluene	ND		ug/kg	6.8	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.8	1.1	1
Hexachlorobutadiene	ND		ug/kg	6.8	0.58	1
Isopropylbenzene	ND		ug/kg	1.4	0.23	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.26	1
Naphthalene	1.8	J	ug/kg	6.8	1.0	1
Acrylonitrile	ND		ug/kg	14	0.32	1
n-Propylbenzene	ND		ug/kg	1.4	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.8	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.8	1.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.8	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.8	0.78	1
1,4-Dioxane	ND		ug/kg	140	24.	1
1,4-Diethylbenzene	ND		ug/kg	5.5	0.22	1
4-Ethyltoluene	ND		ug/kg	5.5	0.16	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-27

Date Collected: 07/11/13 08:50

Client ID: SB023 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.5	0.18	1
Ethyl ether	ND		ug/kg	6.8	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.8	0.61	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	64	Q	70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-28
 Client ID: FD002
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/20/13 16:05
 Analyst: PP
 Percent Solids: 80%

Date Collected: 07/11/13 09:40
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	1000	200	1
1,1-Dichloroethane	ND		ug/kg	150	18.	1
Chloroform	ND		ug/kg	150	37.	1
Carbon tetrachloride	ND		ug/kg	100	21.	1
1,2-Dichloropropane	ND		ug/kg	350	23.	1
Dibromochloromethane	ND		ug/kg	100	31.	1
1,1,2-Trichloroethane	ND		ug/kg	150	31.	1
Tetrachloroethene	ND		ug/kg	100	14.	1
Chlorobenzene	ND		ug/kg	100	35.	1
Trichlorofluoromethane	ND		ug/kg	510	12.	1
1,2-Dichloroethane	ND		ug/kg	100	15.	1
1,1,1-Trichloroethane	ND		ug/kg	100	11.	1
Bromodichloromethane	ND		ug/kg	100	23.	1
trans-1,3-Dichloropropene	ND		ug/kg	100	12.	1
cis-1,3-Dichloropropene	ND		ug/kg	100	13.	1
1,1-Dichloropropene	ND		ug/kg	510	46.	1
Bromoform	ND		ug/kg	400	42.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	100	17.	1
Benzene	ND		ug/kg	100	12.	1
Toluene	220		ug/kg	150	11.	1
Ethylbenzene	ND		ug/kg	100	15.	1
Chloromethane	ND		ug/kg	510	79.	1
Bromomethane	ND		ug/kg	200	34.	1
Vinyl chloride	ND		ug/kg	200	14.	1
Chloroethane	ND		ug/kg	200	32.	1
1,1-Dichloroethene	ND		ug/kg	100	21.	1
trans-1,2-Dichloroethene	ND		ug/kg	150	21.	1
Trichloroethene	ND		ug/kg	100	15.	1
1,2-Dichlorobenzene	ND		ug/kg	510	18.	1
1,3-Dichlorobenzene	ND		ug/kg	510	18.	1
1,4-Dichlorobenzene	ND		ug/kg	510	24.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-28

Date Collected: 07/11/13 09:40

Client ID: FD002

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	200	10.	1
p/m-Xylene	ND		ug/kg	200	33.	1
o-Xylene	ND		ug/kg	200	27.	1
cis-1,2-Dichloroethene	ND		ug/kg	100	15.	1
Dibromomethane	ND		ug/kg	1000	16.	1
Styrene	ND		ug/kg	200	31.	1
Dichlorodifluoromethane	ND		ug/kg	1000	22.	1
Acetone	3000		ug/kg	1000	310	1
Carbon disulfide	ND		ug/kg	1000	200	1
2-Butanone	ND		ug/kg	1000	36.	1
Vinyl acetate	ND		ug/kg	1000	48.	1
4-Methyl-2-pentanone	ND		ug/kg	1000	25.	1
1,2,3-Trichloropropane	ND		ug/kg	1000	23.	1
2-Hexanone	ND		ug/kg	1000	19.	1
Bromochloromethane	ND		ug/kg	510	20.	1
2,2-Dichloropropane	ND		ug/kg	510	23.	1
1,2-Dibromoethane	ND		ug/kg	400	18.	1
1,3-Dichloropropane	ND		ug/kg	510	18.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	100	32.	1
Bromobenzene	ND		ug/kg	510	21.	1
n-Butylbenzene	ND		ug/kg	100	20.	1
sec-Butylbenzene	ND		ug/kg	100	21.	1
tert-Butylbenzene	ND		ug/kg	510	57.	1
o-Chlorotoluene	ND		ug/kg	510	16.	1
p-Chlorotoluene	ND		ug/kg	510	16.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	510	80.	1
Hexachlorobutadiene	ND		ug/kg	510	43.	1
Isopropylbenzene	ND		ug/kg	100	17.	1
p-Isopropyltoluene	910		ug/kg	100	19.	1
Naphthalene	1400		ug/kg	510	78.	1
Acrylonitrile	ND		ug/kg	1000	24.	1
n-Propylbenzene	ND		ug/kg	100	13.	1
1,2,3-Trichlorobenzene	ND		ug/kg	510	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	510	80.	1
1,3,5-Trimethylbenzene	ND		ug/kg	510	14.	1
1,2,4-Trimethylbenzene	ND		ug/kg	510	58.	1
1,4-Dioxane	ND		ug/kg	10000	1800	1
1,4-Diethylbenzene	ND		ug/kg	400	16.	1
4-Ethyltoluene	ND		ug/kg	400	12.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-28

Date Collected: 07/11/13 09:40

Client ID: FD002

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	400	13.	1
Ethyl ether	ND		ug/kg	510	27.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	510	45.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-29
 Client ID: FD005
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/20/13 16:34
 Analyst: PP
 Percent Solids: 87%

Date Collected: 07/11/13 09:50
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	870	170	1
1,1-Dichloroethane	ND		ug/kg	130	15.	1
Chloroform	ND		ug/kg	130	32.	1
Carbon tetrachloride	ND		ug/kg	87	18.	1
1,2-Dichloropropane	ND		ug/kg	300	20.	1
Dibromochloromethane	ND		ug/kg	87	27.	1
1,1,2-Trichloroethane	ND		ug/kg	130	26.	1
Tetrachloroethene	ND		ug/kg	87	12.	1
Chlorobenzene	ND		ug/kg	87	30.	1
Trichlorofluoromethane	ND		ug/kg	440	10.	1
1,2-Dichloroethane	ND		ug/kg	87	13.	1
1,1,1-Trichloroethane	ND		ug/kg	87	9.6	1
Bromodichloromethane	ND		ug/kg	87	20.	1
trans-1,3-Dichloropropene	ND		ug/kg	87	10.	1
cis-1,3-Dichloropropene	ND		ug/kg	87	11.	1
1,1-Dichloropropene	ND		ug/kg	440	40.	1
Bromoform	ND		ug/kg	350	36.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	87	15.	1
Benzene	ND		ug/kg	87	10.	1
Toluene	ND		ug/kg	130	9.8	1
Ethylbenzene	ND		ug/kg	87	13.	1
Chloromethane	ND		ug/kg	440	68.	1
Bromomethane	ND		ug/kg	170	29.	1
Vinyl chloride	ND		ug/kg	170	12.	1
Chloroethane	ND		ug/kg	170	28.	1
1,1-Dichloroethene	ND		ug/kg	87	18.	1
trans-1,2-Dichloroethene	ND		ug/kg	130	18.	1
Trichloroethene	ND		ug/kg	87	13.	1
1,2-Dichlorobenzene	ND		ug/kg	440	16.	1
1,3-Dichlorobenzene	ND		ug/kg	440	16.	1
1,4-Dichlorobenzene	ND		ug/kg	440	21.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-29

Date Collected: 07/11/13 09:50

Client ID: FD005

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	170	9.1	1
p/m-Xylene	ND		ug/kg	170	28.	1
o-Xylene	ND		ug/kg	170	24.	1
cis-1,2-Dichloroethene	ND		ug/kg	87	13.	1
Dibromomethane	ND		ug/kg	870	14.	1
Styrene	ND		ug/kg	170	27.	1
Dichlorodifluoromethane	ND		ug/kg	870	19.	1
Acetone	ND		ug/kg	870	270	1
Carbon disulfide	ND		ug/kg	870	170	1
2-Butanone	ND		ug/kg	870	31.	1
Vinyl acetate	ND		ug/kg	870	42.	1
4-Methyl-2-pentanone	ND		ug/kg	870	21.	1
1,2,3-Trichloropropane	ND		ug/kg	870	20.	1
2-Hexanone	ND		ug/kg	870	16.	1
Bromochloromethane	ND		ug/kg	440	17.	1
2,2-Dichloropropane	ND		ug/kg	440	20.	1
1,2-Dibromoethane	ND		ug/kg	350	15.	1
1,3-Dichloropropane	ND		ug/kg	440	15.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	87	28.	1
Bromobenzene	ND		ug/kg	440	18.	1
n-Butylbenzene	ND		ug/kg	87	17.	1
sec-Butylbenzene	ND		ug/kg	87	18.	1
tert-Butylbenzene	ND		ug/kg	440	49.	1
o-Chlorotoluene	ND		ug/kg	440	14.	1
p-Chlorotoluene	ND		ug/kg	440	13.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	440	69.	1
Hexachlorobutadiene	ND		ug/kg	440	37.	1
Isopropylbenzene	ND		ug/kg	87	15.	1
p-Isopropyltoluene	ND		ug/kg	87	17.	1
Naphthalene	8700		ug/kg	440	67.	1
Acrylonitrile	ND		ug/kg	870	21.	1
n-Propylbenzene	ND		ug/kg	87	11.	1
1,2,3-Trichlorobenzene	ND		ug/kg	440	15.	1
1,2,4-Trichlorobenzene	ND		ug/kg	440	69.	1
1,3,5-Trimethylbenzene	ND		ug/kg	440	12.	1
1,2,4-Trimethylbenzene	ND		ug/kg	440	50.	1
1,4-Dioxane	ND		ug/kg	8700	1500	1
1,4-Diethylbenzene	ND		ug/kg	350	14.	1
4-Ethyltoluene	ND		ug/kg	350	10.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-29

Date Collected: 07/11/13 09:50

Client ID: FD005

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	350	11.	1
Ethyl ether	ND		ug/kg	440	23.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	440	39.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-30
 Client ID: FD007
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/20/13 17:02
 Analyst: PP
 Percent Solids: 84%

Date Collected: 07/11/13 09:20
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	1500	300	1
1,1-Dichloroethane	ND		ug/kg	220	27.	1
Chloroform	ND		ug/kg	220	56.	1
Carbon tetrachloride	ND		ug/kg	150	32.	1
1,2-Dichloropropane	ND		ug/kg	530	34.	1
Dibromochloromethane	ND		ug/kg	150	46.	1
1,1,2-Trichloroethane	ND		ug/kg	220	46.	1
Tetrachloroethene	ND		ug/kg	150	21.	1
Chlorobenzene	ND		ug/kg	150	52.	1
Trichlorofluoromethane	ND		ug/kg	750	18.	1
1,2-Dichloroethane	ND		ug/kg	150	22.	1
1,1,1-Trichloroethane	ND		ug/kg	150	17.	1
Bromodichloromethane	ND		ug/kg	150	34.	1
trans-1,3-Dichloropropene	ND		ug/kg	150	18.	1
cis-1,3-Dichloropropene	ND		ug/kg	150	19.	1
1,1-Dichloropropene	ND		ug/kg	750	68.	1
Bromoform	ND		ug/kg	600	62.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	150	26.	1
Benzene	ND		ug/kg	150	18.	1
Toluene	ND		ug/kg	220	17.	1
Ethylbenzene	ND		ug/kg	150	22.	1
Chloromethane	ND		ug/kg	750	120	1
Bromomethane	ND		ug/kg	300	51.	1
Vinyl chloride	ND		ug/kg	300	21.	1
Chloroethane	ND		ug/kg	300	47.	1
1,1-Dichloroethene	ND		ug/kg	150	31.	1
trans-1,2-Dichloroethene	ND		ug/kg	220	32.	1
Trichloroethene	ND		ug/kg	150	23.	1
1,2-Dichlorobenzene	ND		ug/kg	750	28.	1
1,3-Dichlorobenzene	ND		ug/kg	750	28.	1
1,4-Dichlorobenzene	ND		ug/kg	750	36.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-30

Date Collected: 07/11/13 09:20

Client ID: FD007

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	300	16.	1
p/m-Xylene	ND		ug/kg	300	48.	1
o-Xylene	ND		ug/kg	300	41.	1
cis-1,2-Dichloroethene	ND		ug/kg	150	22.	1
Dibromomethane	ND		ug/kg	1500	24.	1
Styrene	ND		ug/kg	300	46.	1
Dichlorodifluoromethane	ND		ug/kg	1500	33.	1
Acetone	ND		ug/kg	1500	470	1
Carbon disulfide	ND		ug/kg	1500	300	1
2-Butanone	ND		ug/kg	1500	53.	1
Vinyl acetate	ND		ug/kg	1500	72.	1
4-Methyl-2-pentanone	ND		ug/kg	1500	37.	1
1,2,3-Trichloropropane	ND		ug/kg	1500	34.	1
2-Hexanone	ND		ug/kg	1500	28.	1
Bromochloromethane	ND		ug/kg	750	30.	1
2,2-Dichloropropane	ND		ug/kg	750	34.	1
1,2-Dibromoethane	ND		ug/kg	600	27.	1
1,3-Dichloropropane	ND		ug/kg	750	26.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	150	48.	1
Bromobenzene	ND		ug/kg	750	31.	1
n-Butylbenzene	ND		ug/kg	150	30.	1
sec-Butylbenzene	ND		ug/kg	150	31.	1
tert-Butylbenzene	ND		ug/kg	750	84.	1
o-Chlorotoluene	ND		ug/kg	750	24.	1
p-Chlorotoluene	ND		ug/kg	750	23.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	750	120	1
Hexachlorobutadiene	ND		ug/kg	750	63.	1
Isopropylbenzene	ND		ug/kg	150	25.	1
p-Isopropyltoluene	ND		ug/kg	150	29.	1
Naphthalene	2900		ug/kg	750	120	1
Acrylonitrile	ND		ug/kg	1500	36.	1
n-Propylbenzene	ND		ug/kg	150	19.	1
1,2,3-Trichlorobenzene	ND		ug/kg	750	25.	1
1,2,4-Trichlorobenzene	ND		ug/kg	750	120	1
1,3,5-Trimethylbenzene	ND		ug/kg	750	22.	1
1,2,4-Trimethylbenzene	ND		ug/kg	750	86.	1
1,4-Dioxane	ND		ug/kg	15000	2600	1
1,4-Diethylbenzene	ND		ug/kg	600	24.	1
4-Ethyltoluene	ND		ug/kg	600	18.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-30

Date Collected: 07/11/13 09:20

Client ID: FD007

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	600	20.	1
Ethyl ether	ND		ug/kg	750	40.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	750	67.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	107		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-31
 Client ID: FD009
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/21/13 18:42
 Analyst: BN
 Percent Solids: 54%

Date Collected: 07/11/13 10:00
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	19	3.9	1
1,1-Dichloroethane	ND		ug/kg	2.9	0.34	1
Chloroform	ND		ug/kg	2.9	0.72	1
Carbon tetrachloride	ND		ug/kg	1.9	0.41	1
1,2-Dichloropropane	ND		ug/kg	6.8	0.44	1
Dibromochloromethane	ND		ug/kg	1.9	0.60	1
1,1,2-Trichloroethane	ND		ug/kg	2.9	0.59	1
Tetrachloroethene	ND		ug/kg	1.9	0.27	1
Chlorobenzene	ND		ug/kg	1.9	0.68	1
Trichlorofluoromethane	ND		ug/kg	9.7	0.24	1
1,2-Dichloroethane	ND		ug/kg	1.9	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	1.9	0.22	1
Bromodichloromethane	ND		ug/kg	1.9	0.44	1
trans-1,3-Dichloropropene	ND		ug/kg	1.9	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	1.9	0.25	1
1,1-Dichloropropene	ND		ug/kg	9.7	0.89	1
Bromoform	ND		ug/kg	7.8	0.81	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.9	0.33	1
Benzene	ND		ug/kg	1.9	0.23	1
Toluene	ND		ug/kg	2.9	0.22	1
Ethylbenzene	ND		ug/kg	1.9	0.29	1
Chloromethane	ND		ug/kg	9.7	1.5	1
Bromomethane	ND		ug/kg	3.9	0.66	1
Vinyl chloride	ND		ug/kg	3.9	0.27	1
Chloroethane	ND		ug/kg	3.9	0.62	1
1,1-Dichloroethene	ND		ug/kg	1.9	0.40	1
trans-1,2-Dichloroethene	ND		ug/kg	2.9	0.41	1
Trichloroethene	ND		ug/kg	1.9	0.30	1
1,2-Dichlorobenzene	ND		ug/kg	9.7	0.36	1
1,3-Dichlorobenzene	ND		ug/kg	9.7	0.36	1
1,4-Dichlorobenzene	ND		ug/kg	9.7	0.47	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-31

Date Collected: 07/11/13 10:00

Client ID: FD009

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.9	0.20	1
p/m-Xylene	ND		ug/kg	3.9	0.63	1
o-Xylene	ND		ug/kg	3.9	0.53	1
cis-1,2-Dichloroethene	ND		ug/kg	1.9	0.29	1
Dibromomethane	ND		ug/kg	19	0.32	1
Styrene	ND		ug/kg	3.9	0.60	1
Dichlorodifluoromethane	ND		ug/kg	19	0.42	1
Acetone	ND		ug/kg	19	6.0	1
Carbon disulfide	ND		ug/kg	19	3.9	1
2-Butanone	ND		ug/kg	19	0.69	1
Vinyl acetate	ND		ug/kg	19	0.93	1
4-Methyl-2-pentanone	ND		ug/kg	19	0.48	1
1,2,3-Trichloropropane	ND		ug/kg	19	0.44	1
2-Hexanone	ND		ug/kg	19	0.37	1
Bromochloromethane	ND		ug/kg	9.7	0.38	1
2,2-Dichloropropane	ND		ug/kg	9.7	0.44	1
1,2-Dibromoethane	ND		ug/kg	7.8	0.35	1
1,3-Dichloropropane	ND		ug/kg	9.7	0.34	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.9	0.62	1
Bromobenzene	ND		ug/kg	9.7	0.40	1
n-Butylbenzene	ND		ug/kg	1.9	0.38	1
sec-Butylbenzene	ND		ug/kg	1.9	0.40	1
tert-Butylbenzene	ND		ug/kg	9.7	1.1	1
o-Chlorotoluene	ND		ug/kg	9.7	0.31	1
p-Chlorotoluene	ND		ug/kg	9.7	0.30	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	9.7	1.5	1
Hexachlorobutadiene	ND		ug/kg	9.7	0.82	1
Isopropylbenzene	ND		ug/kg	1.9	0.33	1
p-Isopropyltoluene	ND		ug/kg	1.9	0.37	1
Naphthalene	ND		ug/kg	9.7	1.5	1
Acrylonitrile	ND		ug/kg	19	0.46	1
n-Propylbenzene	ND		ug/kg	1.9	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	9.7	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	9.7	1.5	1
1,3,5-Trimethylbenzene	ND		ug/kg	9.7	0.28	1
1,2,4-Trimethylbenzene	ND		ug/kg	9.7	1.1	1
1,4-Dioxane	ND		ug/kg	190	34.	1
1,4-Diethylbenzene	ND		ug/kg	7.8	0.31	1
4-Ethyltoluene	ND		ug/kg	7.8	0.23	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-31

Date Collected: 07/11/13 10:00

Client ID: FD009

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	7.8	0.25	1
Ethyl ether	ND		ug/kg	9.7	0.52	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	9.7	0.87	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	103		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-32
 Client ID: FD015
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/20/13 19:39
 Analyst: PP
 Percent Solids: 66%

Date Collected: 07/11/13 09:00
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	23	4.6	1
1,1-Dichloroethane	ND		ug/kg	3.5	0.41	1
Chloroform	ND		ug/kg	3.5	0.86	1
Carbon tetrachloride	ND		ug/kg	2.3	0.49	1
1,2-Dichloropropane	ND		ug/kg	8.1	0.53	1
Dibromochloromethane	ND		ug/kg	2.3	0.71	1
1,1,2-Trichloroethane	ND		ug/kg	3.5	0.70	1
Tetrachloroethene	ND		ug/kg	2.3	0.32	1
Chlorobenzene	ND		ug/kg	2.3	0.80	1
Trichlorofluoromethane	ND		ug/kg	12	0.28	1
1,2-Dichloroethane	ND		ug/kg	2.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	2.3	0.26	1
Bromodichloromethane	ND		ug/kg	2.3	0.53	1
trans-1,3-Dichloropropene	ND		ug/kg	2.3	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	2.3	0.29	1
1,1-Dichloropropene	ND		ug/kg	12	1.0	1
Bromoform	ND		ug/kg	9.2	0.96	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.3	0.39	1
Benzene	ND		ug/kg	2.3	0.27	1
Toluene	ND		ug/kg	3.5	0.26	1
Ethylbenzene	ND		ug/kg	2.3	0.34	1
Chloromethane	ND		ug/kg	12	1.8	1
Bromomethane	ND		ug/kg	4.6	0.78	1
Vinyl chloride	ND		ug/kg	4.6	0.33	1
Chloroethane	ND		ug/kg	4.6	0.73	1
1,1-Dichloroethene	ND		ug/kg	2.3	0.48	1
trans-1,2-Dichloroethene	ND		ug/kg	3.5	0.49	1
Trichloroethene	3.4		ug/kg	2.3	0.35	1
1,2-Dichlorobenzene	ND		ug/kg	12	0.42	1
1,3-Dichlorobenzene	ND		ug/kg	12	0.42	1
1,4-Dichlorobenzene	ND		ug/kg	12	0.56	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-32

Date Collected: 07/11/13 09:00

Client ID: FD015

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	4.6	0.24	1
p/m-Xylene	1.0	J	ug/kg	4.6	0.75	1
o-Xylene	ND		ug/kg	4.6	0.63	1
cis-1,2-Dichloroethene	ND		ug/kg	2.3	0.34	1
Dibromomethane	ND		ug/kg	23	0.38	1
Styrene	ND		ug/kg	4.6	0.72	1
Dichlorodifluoromethane	ND		ug/kg	23	0.50	1
Acetone	47		ug/kg	23	7.2	1
Carbon disulfide	ND		ug/kg	23	4.6	1
2-Butanone	ND		ug/kg	23	0.82	1
Vinyl acetate	ND		ug/kg	23	1.1	1
4-Methyl-2-pentanone	ND		ug/kg	23	0.56	1
1,2,3-Trichloropropane	ND		ug/kg	23	0.52	1
2-Hexanone	ND		ug/kg	23	0.44	1
Bromochloromethane	ND		ug/kg	12	0.46	1
2,2-Dichloropropane	ND		ug/kg	12	0.52	1
1,2-Dibromoethane	ND		ug/kg	9.2	0.41	1
1,3-Dichloropropane	ND		ug/kg	12	0.40	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.3	0.74	1
Bromobenzene	ND		ug/kg	12	0.48	1
n-Butylbenzene	ND		ug/kg	2.3	0.46	1
sec-Butylbenzene	ND		ug/kg	2.3	0.48	1
tert-Butylbenzene	ND		ug/kg	12	1.3	1
o-Chlorotoluene	ND		ug/kg	12	0.37	1
p-Chlorotoluene	ND		ug/kg	12	0.36	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	1.8	1
Hexachlorobutadiene	ND		ug/kg	12	0.98	1
Isopropylbenzene	ND		ug/kg	2.3	0.39	1
p-Isopropyltoluene	ND		ug/kg	2.3	0.44	1
Naphthalene	ND		ug/kg	12	1.8	1
Acrylonitrile	ND		ug/kg	23	0.55	1
n-Propylbenzene	ND		ug/kg	2.3	0.29	1
1,2,3-Trichlorobenzene	ND		ug/kg	12	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	12	1.8	1
1,3,5-Trimethylbenzene	ND		ug/kg	12	0.33	1
1,2,4-Trimethylbenzene	ND		ug/kg	12	1.3	1
1,4-Dioxane	ND		ug/kg	230	40.	1
1,4-Diethylbenzene	ND		ug/kg	9.2	0.37	1
4-Ethyltoluene	ND		ug/kg	9.2	0.27	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-32

Date Collected: 07/11/13 09:00

Client ID: FD015

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	9.2	0.30	1
Ethyl ether	ND		ug/kg	12	0.61	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	1.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-33
 Client ID: FD_DUP_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/20/13 17:59
 Analyst: PP
 Percent Solids: 82%

Date Collected: 07/11/13 00:00
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	1700	340	1
1,1-Dichloroethane	ND		ug/kg	260	31.	1
Chloroform	ND		ug/kg	260	64.	1
Carbon tetrachloride	ND		ug/kg	170	36.	1
1,2-Dichloropropane	ND		ug/kg	600	39.	1
Dibromochloromethane	ND		ug/kg	170	53.	1
1,1,2-Trichloroethane	ND		ug/kg	260	52.	1
Tetrachloroethene	ND		ug/kg	170	24.	1
Chlorobenzene	ND		ug/kg	170	60.	1
Trichlorofluoromethane	ND		ug/kg	860	21.	1
1,2-Dichloroethane	ND		ug/kg	170	25.	1
1,1,1-Trichloroethane	ND		ug/kg	170	19.	1
Bromodichloromethane	ND		ug/kg	170	40.	1
trans-1,3-Dichloropropene	ND		ug/kg	170	21.	1
cis-1,3-Dichloropropene	ND		ug/kg	170	22.	1
1,1-Dichloropropene	ND		ug/kg	860	79.	1
Bromoform	ND		ug/kg	690	72.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	170	29.	1
Benzene	ND		ug/kg	170	20.	1
Toluene	ND		ug/kg	260	19.	1
Ethylbenzene	ND		ug/kg	170	25.	1
Chloromethane	ND		ug/kg	860	140	1
Bromomethane	ND		ug/kg	340	58.	1
Vinyl chloride	ND		ug/kg	340	24.	1
Chloroethane	ND		ug/kg	340	55.	1
1,1-Dichloroethene	ND		ug/kg	170	36.	1
trans-1,2-Dichloroethene	ND		ug/kg	260	36.	1
Trichloroethene	ND		ug/kg	170	26.	1
1,2-Dichlorobenzene	ND		ug/kg	860	32.	1
1,3-Dichlorobenzene	ND		ug/kg	860	32.	1
1,4-Dichlorobenzene	ND		ug/kg	860	42.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-33

Date Collected: 07/11/13 00:00

Client ID: FD_DUP_001

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	340	18.	1
p/m-Xylene	ND		ug/kg	340	56.	1
o-Xylene	ND		ug/kg	340	47.	1
cis-1,2-Dichloroethene	ND		ug/kg	170	26.	1
Dibromomethane	ND		ug/kg	1700	28.	1
Styrene	ND		ug/kg	340	53.	1
Dichlorodifluoromethane	ND		ug/kg	1700	38.	1
Acetone	ND		ug/kg	1700	540	1
Carbon disulfide	ND		ug/kg	1700	340	1
2-Butanone	ND		ug/kg	1700	61.	1
Vinyl acetate	ND		ug/kg	1700	83.	1
4-Methyl-2-pentanone	ND		ug/kg	1700	42.	1
1,2,3-Trichloropropane	ND		ug/kg	1700	39.	1
2-Hexanone	ND		ug/kg	1700	32.	1
Bromochloromethane	ND		ug/kg	860	34.	1
2,2-Dichloropropane	ND		ug/kg	860	39.	1
1,2-Dibromoethane	ND		ug/kg	690	31.	1
1,3-Dichloropropane	ND		ug/kg	860	30.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	170	55.	1
Bromobenzene	ND		ug/kg	860	36.	1
n-Butylbenzene	ND		ug/kg	170	34.	1
sec-Butylbenzene	ND		ug/kg	170	36.	1
tert-Butylbenzene	ND		ug/kg	860	97.	1
o-Chlorotoluene	ND		ug/kg	860	28.	1
p-Chlorotoluene	ND		ug/kg	860	26.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	860	140	1
Hexachlorobutadiene	ND		ug/kg	860	73.	1
Isopropylbenzene	ND		ug/kg	170	29.	1
p-Isopropyltoluene	ND		ug/kg	170	33.	1
Naphthalene	2400		ug/kg	860	130	1
Acrylonitrile	ND		ug/kg	1700	41.	1
n-Propylbenzene	ND		ug/kg	170	22.	1
1,2,3-Trichlorobenzene	ND		ug/kg	860	29.	1
1,2,4-Trichlorobenzene	ND		ug/kg	860	140	1
1,3,5-Trimethylbenzene	ND		ug/kg	860	25.	1
1,2,4-Trimethylbenzene	ND		ug/kg	860	99.	1
1,4-Dioxane	ND		ug/kg	17000	3000	1
1,4-Diethylbenzene	ND		ug/kg	690	28.	1
4-Ethyltoluene	ND		ug/kg	690	20.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-33

Date Collected: 07/11/13 00:00

Client ID: FD_DUP_001

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	690	22.	1
Ethyl ether	ND		ug/kg	860	46.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	860	77.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-34
 Client ID: EQUIP_BLANK_FD_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 07/22/13 16:33
 Analyst: PD

Date Collected: 07/11/13 10:45
 Date Received: 07/12/13
 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	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	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	0.16	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
1,1-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	0.19	1
Benzene	ND		ug/l	0.50	0.19	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	0.18	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
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-34
 Client ID: EQUIP_BLANK_FD_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Date Collected: 07/11/13 10:45
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	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	5.4		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
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	76.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-34

Date Collected: 07/11/13 10:45

Client ID: EQUIP_BLANK_FD_001

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

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	107		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	93		70-130

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-35
 Client ID: TRIP BLANK
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 07/22/13 17:08
 Analyst: PD

Date Collected: 07/11/13 00:00
 Date Received: 07/12/13
 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	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	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	0.16	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
1,1-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	0.19	1
Benzene	ND		ug/l	0.50	0.19	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	0.18	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
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-35

Date Collected: 07/11/13 00:00

Client ID: TRIP BLANK

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	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	ND		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
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	76.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-35

Date Collected: 07/11/13 00:00

Client ID: TRIP BLANK

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

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	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	95		70-130

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/18/13 09:03
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-08,11 Batch: WG622804-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.24	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/18/13 09:03
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-08,11 Batch: WG622804-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
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	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/18/13 09:03
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-08,11 Batch: WG622804-3					
Acrylonitrile	ND		ug/kg	10	0.24
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	0.91
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Ethyl Acetate	ND		ug/kg	20	0.82
Acrolein	ND		ug/kg	25	9.2
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-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	0.38
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.42
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.58

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 07/18/13 09:03

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-08,11 Batch: WG622804-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	101		70-130

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/18/13 10:13
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 20-21,23 Batch: WG622928-3					
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	0.16
1,2-Dichloropropane	ND		ug/l	1.0	0.30
Dibromochloromethane	ND		ug/l	0.50	0.19
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	0.16
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
1,1-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	0.19
Benzene	ND		ug/l	0.50	0.19
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	0.18
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
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



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/18/13 10:13
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 20-21,23 Batch: WG622928-3					
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
cis-1,2-Dichloroethene	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
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

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/18/13 10:13
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 20-21,23 Batch: WG622928-3					
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	76.
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-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	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	135	Q	70-130
Dibromofluoromethane	98		70-130

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/20/13 10:35
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,18-19,27,32 Batch: WG623224-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.26	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/20/13 10:35
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,18-19,27,32 Batch: WG623224-3					
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
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	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/20/13 10:35
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,18-19,27,32 Batch: WG623224-3					
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	0.91
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Ethyl Acetate	ND		ug/kg	20	0.82
Acrolein	ND		ug/kg	25	9.2
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-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	0.38
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.42
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.58

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 07/20/13 10:35

Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,18-19,27,32 Batch: WG623224-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	98		70-130

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/21/13 11:53
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 10,12,31 Batch: WG623226-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.23	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/21/13 11:53
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 10,12,31 Batch: WG623226-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
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	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/21/13 11:53
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 10,12,31 Batch: WG623226-3					
Acrylonitrile	ND		ug/kg	10	0.24
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	0.91
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Ethyl Acetate	ND		ug/kg	20	0.82
Acrolein	ND		ug/kg	25	9.2
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-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	0.38
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.42
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.58

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 07/21/13 11:53

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 10,12,31 Batch: WG623226-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	106		70-130

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/20/13 09:56
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 09,13,16-17,28-30,33 Batch: WG623242-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
2-Chloroethylvinyl ether	ND		ug/kg	1000	31.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/20/13 09:56
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 09,13,16-17,28-30,33 Batch: WG623242-3					
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/20/13 09:56
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 09,13,16-17,28-30,33 Batch: WG623242-3					
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.
Isopropyl Ether	ND		ug/kg	200	7.0
tert-Butyl Alcohol	ND		ug/kg	3000	45.
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Ethyl Acetate	ND		ug/kg	1000	41.
Acrolein	ND		ug/kg	1200	460
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	1000	14.
1,4-Diethylbenzene	ND		ug/kg	200	8.0
4-Ethyltoluene	ND		ug/kg	200	5.8
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Tetrahydrofuran	ND		ug/kg	1000	19.
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.
Methyl cyclohexane	ND		ug/kg	200	63.
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	21.
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	29.

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 07/20/13 09:56

Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 09,13,16-17,28-30,33 Batch: WG623242-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	103		70-130

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/21/13 10:48
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 14-15 Batch: WG623282-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
2-Chloroethylvinyl ether	ND		ug/kg	1000	31.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/21/13 10:48
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 14-15 Batch: WG623282-3					
1,4-Dichlorobenzene	ND		ug/kg	250	12.
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/21/13 10:48
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 14-15 Batch: WG623282-3					
Acrylonitrile	ND		ug/kg	500	12.
Isopropyl Ether	ND		ug/kg	200	7.0
tert-Butyl Alcohol	ND		ug/kg	3000	45.
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Ethyl Acetate	ND		ug/kg	1000	41.
Acrolein	ND		ug/kg	1200	460
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	1000	14.
1,4-Diethylbenzene	ND		ug/kg	200	8.0
4-Ethyltoluene	ND		ug/kg	200	5.8
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Tetrahydrofuran	ND		ug/kg	1000	19.
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.
Methyl cyclohexane	ND		ug/kg	200	63.
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	21.
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	29.

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 07/21/13 10:48

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 14-15 Batch: WG623282-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/22/13 11:17
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 22,24-26,34-35 Batch: WG623359-3					
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
2-Chloroethylvinyl ether	ND		ug/l	10	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.16
1,2-Dichloropropane	ND		ug/l	1.0	0.30
Dibromochloromethane	ND		ug/l	0.50	0.19
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	0.16
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
1,1-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	0.19
Benzene	ND		ug/l	0.50	0.19
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	0.18
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/22/13 11:17
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 22,24-26,34-35 Batch: WG623359-3					
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
cis-1,2-Dichloroethene	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
Isopropyl Ether	ND		ug/l	2.0	0.65
tert-Butyl Alcohol	ND		ug/l	10	0.90
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	1.1	J	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
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/22/13 11:17
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 22,24-26,34-35 Batch: WG623359-3					
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
Methyl Acetate	ND		ug/l	2.0	0.38
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.54
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.38
1,4-Dioxane	ND		ug/l	250	76.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.70
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.63

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 07/22/13 11:17

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 22,24-26,34-35 Batch: WG623359-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-08,11 Batch: WG622804-1 WG622804-2								
Methylene chloride	95		96		70-130	1		30
1,1-Dichloroethane	85		84		70-130	1		30
Chloroform	92		92		70-130	0		30
Carbon tetrachloride	98		92		70-130	6		30
1,2-Dichloropropane	83		86		70-130	4		30
Dibromochloromethane	94		96		70-130	2		30
2-Chloroethylvinyl ether	86		82			5		30
1,1,2-Trichloroethane	88		89		70-130	1		30
Tetrachloroethene	101		97		70-130	4		30
Chlorobenzene	92		93		70-130	1		30
Trichlorofluoromethane	101		95		70-139	6		30
1,2-Dichloroethane	92		92		70-130	0		30
1,1,1-Trichloroethane	90		89		70-130	1		30
Bromodichloromethane	91		93		70-130	2		30
trans-1,3-Dichloropropene	75		76		70-130	1		30
cis-1,3-Dichloropropene	86		88		70-130	2		30
1,1-Dichloropropene	92		89		70-130	3		30
Bromoform	92		91		70-130	1		30
1,1,1,2,2-Tetrachloroethane	85		84		70-130	1		30
Benzene	88		88		70-130	0		30
Toluene	89		90		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-08,11 Batch: WG622804-1 WG622804-2								
Ethylbenzene	94		94		70-130	0		30
Chloromethane	73		70		52-130	4		30
Bromomethane	93		95		57-147	2		30
Vinyl chloride	82		79		67-130	4		30
Chloroethane	86		80		50-151	7		30
1,1-Dichloroethene	93		89		65-135	4		30
trans-1,2-Dichloroethene	92		89		70-130	3		30
Trichloroethene	93		92		70-130	1		30
1,2-Dichlorobenzene	92		94		70-130	2		30
1,3-Dichlorobenzene	93		94		70-130	1		30
1,4-Dichlorobenzene	92		93		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	96		95		70-130	1		30
o-Xylene	97		99		70-130	2		30
cis-1,2-Dichloroethene	89		93		70-130	4		30
Dibromomethane	94		91		70-130	3		30
Styrene	96		98		70-130	2		30
Dichlorodifluoromethane	84		80		30-146	5		30
Acetone	143	Q	123		54-140	15		30
Carbon disulfide	86		82		59-130	5		30
2-Butanone	112		99		70-130	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-08,11 Batch: WG622804-1 WG622804-2								
Vinyl acetate	78		78		70-130	0		30
4-Methyl-2-pentanone	90		82		70-130	9		30
1,2,3-Trichloropropane	85		83		68-130	2		30
2-Hexanone	101		93		70-130	8		30
Bromochloromethane	95		93		70-130	2		30
2,2-Dichloropropane	83		82		70-130	1		30
1,2-Dibromoethane	95		92		70-130	3		30
1,3-Dichloropropane	87		88		69-130	1		30
1,1,1,2-Tetrachloroethane	96		98		70-130	2		30
Bromobenzene	90		93		70-130	3		30
n-Butylbenzene	92		92		70-130	0		30
sec-Butylbenzene	93		92		70-130	1		30
tert-Butylbenzene	95		95		70-130	0		30
o-Chlorotoluene	87		87		70-130	0		30
p-Chlorotoluene	88		88		70-130	0		30
1,2-Dibromo-3-chloropropane	89		81		68-130	9		30
Hexachlorobutadiene	105		103		67-130	2		30
Isopropylbenzene	99		99		70-130	0		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	83		84		70-130	1		30
Acrylonitrile	87		79		70-130	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-08,11 Batch: WG622804-1 WG622804-2								
Isopropyl Ether	80		83		66-130	4		30
tert-Butyl Alcohol	85		86		70-130	1		30
n-Propylbenzene	87		87		70-130	0		30
1,2,3-Trichlorobenzene	102		105		70-130	3		30
1,2,4-Trichlorobenzene	103		107		70-130	4		30
1,3,5-Trimethylbenzene	90		90		70-130	0		30
1,2,4-Trimethylbenzene	92		93		70-130	1		30
Methyl Acetate	81		83		51-146	2		30
Ethyl Acetate	85		81		70-130	5		30
Acrolein	94		88		70-130	7		30
Cyclohexane	93		90		59-142	3		30
1,4-Dioxane	105		94		65-136	11		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	101		97		50-139	4		30
1,4-Diethylbenzene	94		94		70-130	0		30
4-Ethyltoluene	91		91		70-130	0		30
1,2,4,5-Tetramethylbenzene	91		93		70-130	2		30
Tetrahydrofuran	80		75		66-130	6		30
Ethyl ether	85		86		67-130	1		30
trans-1,4-Dichloro-2-butene	82		78		70-130	5		30
Methyl cyclohexane	100		96		70-130	4		30
Ethyl-Tert-Butyl-Ether	75		79		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-08,11 Batch: WG622804-1 WG622804-2								
Tertiary-Amyl Methyl Ether	76		79		70-130	4		30

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

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20-21,23 Batch: WG622928-1 WG622928-2								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	95		96		70-130	1		20
Carbon tetrachloride	88		90		63-132	2		20
1,2-Dichloropropane	99		101		70-130	2		20
Dibromochloromethane	88		90		63-130	2		20
1,1,2-Trichloroethane	97		101		70-130	4		20
Tetrachloroethene	100		98		70-130	2		20
Chlorobenzene	100		100		75-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20-21,23 Batch: WG622928-1 WG622928-2								
Trichlorofluoromethane	101		101		62-150	0		20
1,2-Dichloroethane	96		98		70-130	2		20
1,1,1-Trichloroethane	96		96		67-130	0		20
Bromodichloromethane	94		97		67-130	3		20
trans-1,3-Dichloropropene	82		86		70-130	5		20
cis-1,3-Dichloropropene	83		86		70-130	4		20
1,1-Dichloropropene	101		101		70-130	0		20
Bromoform	96		102		54-136	6		20
1,1,2,2-Tetrachloroethane	105		112		67-130	6		20
Benzene	99		100		70-130	1		20
Toluene	102		101		70-130	1		20
Ethylbenzene	103		103		70-130	0		20
Chloromethane	87		84		64-130	4		20
Bromomethane	73		83		39-139	13		20
Vinyl chloride	103		102		55-140	1		20
Chloroethane	107		104		55-138	3		20
1,1-Dichloroethene	102		101		61-145	1		20
trans-1,2-Dichloroethene	98		96		70-130	2		20
Trichloroethene	98		98		70-130	0		20
1,2-Dichlorobenzene	99		101		70-130	2		20
1,3-Dichlorobenzene	102		102		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20-21,23 Batch: WG622928-1 WG622928-2								
1,4-Dichlorobenzene	99		100		70-130	1		20
Methyl tert butyl ether	88		94		63-130	7		20
p/m-Xylene	102		101		70-130	1		20
o-Xylene	101		101		70-130	0		20
cis-1,2-Dichloroethene	96		97		70-130	1		20
Dibromomethane	97		100		70-130	3		20
1,2,3-Trichloropropane	103		113		64-130	9		20
Acrylonitrile	90		96		70-130	6		20
Styrene	102		101		70-130	1		20
Dichlorodifluoromethane	104		106		36-147	2		20
Acetone	97		70		58-148	32	Q	20
Carbon disulfide	103		97		51-130	6		20
2-Butanone	118		106		63-138	11		20
Vinyl acetate	78		96		70-130	21	Q	20
4-Methyl-2-pentanone	82		89		59-130	8		20
2-Hexanone	101		97		57-130	4		20
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	139	Q	142	Q	63-133	2		20
1,2-Dibromoethane	93		98		70-130	5		20
1,3-Dichloropropane	99		103		70-130	4		20
1,1,1,2-Tetrachloroethane	100		102		64-130	2		20

Lab Control Sample Analysis Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20-21,23 Batch: WG622928-1 WG622928-2								
Bromobenzene	103		106		70-130	3		20
n-Butylbenzene	85		84		53-136	1		20
sec-Butylbenzene	99		97		70-130	2		20
tert-Butylbenzene	100		98		70-130	2		20
o-Chlorotoluene	108		108		70-130	0		20
p-Chlorotoluene	106		105		70-130	1		20
1,2-Dibromo-3-chloropropane	93		100		41-144	7		20
Hexachlorobutadiene	102		99		63-130	3		20
Isopropylbenzene	108		110		70-130	2		20
p-Isopropyltoluene	94		91		70-130	3		20
Naphthalene	91		103		70-130	12		20
n-Propylbenzene	104		102		69-130	2		20
1,2,3-Trichlorobenzene	84		86		70-130	2		20
1,2,4-Trichlorobenzene	89		91		70-130	2		20
1,3,5-Trimethylbenzene	100		99		64-130	1		20
1,2,4-Trimethylbenzene	93		92		70-130	1		20
1,4-Dioxane	87		92		56-162	6		20
1,4-Diethylbenzene	94		91		70-130	3		20
4-Ethyltoluene	98		98		70-130	0		20
1,2,4,5-Tetramethylbenzene	108		108		70-130	0		20
Ethyl ether	98		99		59-134	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20-21,23 Batch: WG622928-1 WG622928-2								
trans-1,4-Dichloro-2-butene	99		106		70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		99		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	113		114		70-130
Dibromofluoromethane	98		98		70-130

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,18-19,27,32 Batch: WG623224-1 WG623224-2								
Methylene chloride	100		92		70-130	8		30
1,1-Dichloroethane	95		82		70-130	15		30
Chloroform	93		83		70-130	11		30
Carbon tetrachloride	90		72		70-130	22		30
1,2-Dichloropropane	91		83		70-130	9		30
Dibromochloromethane	86		83		70-130	4		30
2-Chloroethylvinyl ether	66		55			18		30
1,1,2-Trichloroethane	88		83		70-130	6		30
Tetrachloroethene	101		84		70-130	18		30

Lab Control Sample Analysis Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,18-19,27,32 Batch: WG623224-1 WG623224-2								
Chlorobenzene	92		84		70-130	9		30
Trichlorofluoromethane	93		76		70-139	20		30
1,2-Dichloroethane	92		86		70-130	7		30
1,1,1-Trichloroethane	98		81		70-130	19		30
Bromodichloromethane	89		83		70-130	7		30
trans-1,3-Dichloropropene	76		71		70-130	7		30
cis-1,3-Dichloropropene	90		82		70-130	9		30
1,1-Dichloropropene	97		80		70-130	19		30
Bromoform	82		79		70-130	4		30
1,1,2,2-Tetrachloroethane	83		80		70-130	4		30
Benzene	96		83		70-130	15		30
Toluene	94		82		70-130	14		30
Ethylbenzene	96		84		70-130	13		30
Chloromethane	86		71		52-130	19		30
Bromomethane	98		87		57-147	12		30
Vinyl chloride	94		74		67-130	24		30
Chloroethane	92		76		50-151	19		30
1,1-Dichloroethene	101		82		65-135	21		30
trans-1,2-Dichloroethene	99		83		70-130	18		30
Trichloroethene	97		83		70-130	16		30
1,2-Dichlorobenzene	90		84		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

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Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,18-19,27,32 Batch: WG623224-1 WG623224-2								
1,3-Dichlorobenzene	91		84		70-130	8		30
1,4-Dichlorobenzene	90		82		70-130	9		30
Methyl tert butyl ether	94		89		66-130	5		30
p/m-Xylene	98		86		70-130	13		30
o-Xylene	98		89		70-130	10		30
cis-1,2-Dichloroethene	97		85		70-130	13		30
Dibromomethane	93		91		70-130	2		30
Styrene	96		88		70-130	9		30
Dichlorodifluoromethane	82		64		30-146	25		30
Acetone	106		85		54-140	22		30
Carbon disulfide	95		78		59-130	20		30
2-Butanone	104		92		70-130	12		30
Vinyl acetate	85		81		70-130	5		30
4-Methyl-2-pentanone	94		90		70-130	4		30
1,2,3-Trichloropropane	84		81		68-130	4		30
2-Hexanone	90		84		70-130	7		30
Bromochloromethane	96		88		70-130	9		30
2,2-Dichloropropane	89		75		70-130	17		30
1,2-Dibromoethane	98		91		70-130	7		30
1,3-Dichloropropane	89		84		69-130	6		30
1,1,1,2-Tetrachloroethane	90		83		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

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Lab Number: L1313126

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,18-19,27,32 Batch: WG623224-1 WG623224-2								
Bromobenzene	90		84		70-130	7		30
n-Butylbenzene	94		80		70-130	16		30
sec-Butylbenzene	94		80		70-130	16		30
tert-Butylbenzene	96		83		70-130	15		30
o-Chlorotoluene	88		78		70-130	12		30
p-Chlorotoluene	88		79		70-130	11		30
1,2-Dibromo-3-chloropropane	86		83		68-130	4		30
Hexachlorobutadiene	99		83		67-130	18		30
Isopropylbenzene	99		86		70-130	14		30
p-Isopropyltoluene	97		84		70-130	14		30
Naphthalene	84		81		70-130	4		30
Acrylonitrile	93		88		70-130	6		30
Isopropyl Ether	95		87		66-130	9		30
tert-Butyl Alcohol	95		88		70-130	8		30
n-Propylbenzene	88		78		70-130	12		30
1,2,3-Trichlorobenzene	100		94		70-130	6		30
1,2,4-Trichlorobenzene	104		94		70-130	10		30
1,3,5-Trimethylbenzene	92		80		70-130	14		30
1,2,4-Trimethylbenzene	94		83		70-130	12		30
Methyl Acetate	91		87		51-146	4		30
Ethyl Acetate	92		90		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,18-19,27,32 Batch: WG623224-1 WG623224-2								
Acrolein	98		95		70-130	3		30
Cyclohexane	93		74		59-142	23		30
1,4-Dioxane	105		106		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	95		75		50-139	24		30
1,4-Diethylbenzene	97		83		70-130	16		30
4-Ethyltoluene	94		82		70-130	14		30
1,2,4,5-Tetramethylbenzene	94		84		70-130	11		30
Tetrahydrofuran	93		90		66-130	3		30
Ethyl ether	96		90		67-130	6		30
trans-1,4-Dichloro-2-butene	73		65	Q	70-130	12		30
Methyl cyclohexane	94		75		70-130	22		30
Ethyl-Tert-Butyl-Ether	94		87		70-130	8		30
Tertiary-Amyl Methyl Ether	91		85		70-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		96		70-130
Toluene-d8	100		97		70-130
4-Bromofluorobenzene	91		90		70-130
Dibromofluoromethane	103		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10,12,31 Batch: WG623226-1 WG623226-2								
Methylene chloride	89		90		70-130	1		30
1,1-Dichloroethane	87		85		70-130	2		30
Chloroform	88		88		70-130	0		30
Carbon tetrachloride	86		82		70-130	5		30
1,2-Dichloropropane	87		87		70-130	0		30
Dibromochloromethane	86		87		70-130	1		30
2-Chloroethylvinyl ether	0		190			NC		30
1,1,2-Trichloroethane	85		87		70-130	2		30
Tetrachloroethene	94		90		70-130	4		30
Chlorobenzene	90		89		70-130	1		30
Trichlorofluoromethane	96		91		70-139	5		30
1,2-Dichloroethane	87		90		70-130	3		30
1,1,1-Trichloroethane	93		90		70-130	3		30
Bromodichloromethane	86		88		70-130	2		30
trans-1,3-Dichloropropene	73		74		70-130	1		30
cis-1,3-Dichloropropene	86		88		70-130	2		30
1,1-Dichloropropene	90		87		70-130	3		30
Bromoform	82		88		70-130	7		30
1,1,2,2-Tetrachloroethane	80		86		70-130	7		30
Benzene	88		87		70-130	1		30
Toluene	88		86		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10,12,31 Batch: WG623226-1 WG623226-2								
Ethylbenzene	92		90		70-130	2		30
Chloromethane	82		76		52-130	8		30
Bromomethane	100		100		57-147	0		30
Vinyl chloride	90		81		67-130	11		30
Chloroethane	89		86		50-151	3		30
1,1-Dichloroethene	93		89		65-135	4		30
trans-1,2-Dichloroethene	91		87		70-130	4		30
Trichloroethene	90		88		70-130	2		30
1,2-Dichlorobenzene	88		89		70-130	1		30
1,3-Dichlorobenzene	88		88		70-130	0		30
1,4-Dichlorobenzene	87		87		70-130	0		30
Methyl tert butyl ether	92		96		66-130	4		30
p/m-Xylene	94		91		70-130	3		30
o-Xylene	96		94		70-130	2		30
cis-1,2-Dichloroethene	91		89		70-130	2		30
Dibromomethane	87		90		70-130	3		30
Styrene	96		94		70-130	2		30
Dichlorodifluoromethane	98		90		30-146	9		30
Acetone	100		106		54-140	6		30
Carbon disulfide	90		86		59-130	5		30
2-Butanone	87		96		70-130	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10,12,31 Batch: WG623226-1 WG623226-2								
Vinyl acetate	69	Q	74		70-130	7		30
4-Methyl-2-pentanone	89		101		70-130	13		30
1,2,3-Trichloropropane	78		85		68-130	9		30
2-Hexanone	87		96		70-130	10		30
Bromochloromethane	90		92		70-130	2		30
2,2-Dichloropropane	84		83		70-130	1		30
1,2-Dibromoethane	88		91		70-130	3		30
1,3-Dichloropropane	83		87		69-130	5		30
1,1,1,2-Tetrachloroethane	90		89		70-130	1		30
Bromobenzene	88		90		70-130	2		30
n-Butylbenzene	89		86		70-130	3		30
sec-Butylbenzene	90		86		70-130	5		30
tert-Butylbenzene	92		89		70-130	3		30
o-Chlorotoluene	84		83		70-130	1		30
p-Chlorotoluene	84		84		70-130	0		30
1,2-Dibromo-3-chloropropane	80		93		68-130	15		30
Hexachlorobutadiene	96		91		67-130	5		30
Isopropylbenzene	96		93		70-130	3		30
p-Isopropyltoluene	92		90		70-130	2		30
Naphthalene	78		81		70-130	4		30
Acrylonitrile	84		92		70-130	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10,12,31 Batch: WG623226-1 WG623226-2								
Isopropyl Ether	90		90		66-130	0		30
tert-Butyl Alcohol	87		90		70-130	3		30
n-Propylbenzene	84		83		70-130	1		30
1,2,3-Trichlorobenzene	96		97		70-130	1		30
1,2,4-Trichlorobenzene	97		97		70-130	0		30
1,3,5-Trimethylbenzene	87		85		70-130	2		30
1,2,4-Trimethylbenzene	88		88		70-130	0		30
Methyl Acetate	88		96		51-146	9		30
Ethyl Acetate	86		94		70-130	9		30
Acrolein	94		101		70-130	7		30
Cyclohexane	96		89		59-142	8		30
1,4-Dioxane	91		101		65-136	10		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	100		94		50-139	6		30
1,4-Diethylbenzene	91		88		70-130	3		30
4-Ethyltoluene	89		87		70-130	2		30
1,2,4,5-Tetramethylbenzene	88		85		70-130	3		30
Tetrahydrofuran	82		92		66-130	11		30
Ethyl ether	87		90		67-130	3		30
trans-1,4-Dichloro-2-butene	61	Q	66	Q	70-130	8		30
Methyl cyclohexane	100		94		70-130	6		30
Ethyl-Tert-Butyl-Ether	93		94		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10,12,31 Batch: WG623226-1 WG623226-2								
Tertiary-Amyl Methyl Ether	93		96		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		102		70-130
Toluene-d8	97		96		70-130
4-Bromofluorobenzene	90		91		70-130
Dibromofluoromethane	110		105		70-130

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09,13,16-17,28-30,33 Batch: WG623242-1 WG623242-2								
Methylene chloride	100		102		70-130	2		30
1,1-Dichloroethane	101		108		70-130	7		30
Chloroform	102		107		70-130	5		30
Carbon tetrachloride	96		108		70-130	12		30
1,2-Dichloropropane	103		108		70-130	5		30
Dibromochloromethane	89		91		70-130	2		30
2-Chloroethylvinyl ether	103		108			5		30
1,1,2-Trichloroethane	90		92		70-130	2		30
Tetrachloroethene	86		94		70-130	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09,13,16-17,28-30,33 Batch: WG623242-1 WG623242-2								
Chlorobenzene	88		93		70-130	6		30
Trichlorofluoromethane	89		102		70-139	14		30
1,2-Dichloroethane	100		103		70-130	3		30
1,1,1-Trichloroethane	97		107		70-130	10		30
Bromodichloromethane	101		104		70-130	3		30
trans-1,3-Dichloropropene	89		92		70-130	3		30
cis-1,3-Dichloropropene	103		105		70-130	2		30
1,1-Dichloropropene	97		109		70-130	12		30
Bromoform	83		84		70-130	1		30
1,1,2,2-Tetrachloroethane	83		84		70-130	1		30
Benzene	101		108		70-130	7		30
Toluene	87		91		70-130	4		30
Ethylbenzene	88		95		70-130	8		30
Chloromethane	97		104		52-130	7		30
Bromomethane	105		111		57-147	6		30
Vinyl chloride	95		105		67-130	10		30
Chloroethane	101		112		50-151	10		30
1,1-Dichloroethene	97		107		65-135	10		30
trans-1,2-Dichloroethene	100		109		70-130	9		30
Trichloroethene	100		110		70-130	10		30
1,2-Dichlorobenzene	83		85		70-130	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09,13,16-17,28-30,33 Batch: WG623242-1 WG623242-2								
1,3-Dichlorobenzene	83		86		70-130	4		30
1,4-Dichlorobenzene	83		84		70-130	1		30
Methyl tert butyl ether	104		108		66-130	4		30
p/m-Xylene	91		97		70-130	6		30
o-Xylene	91		98		70-130	7		30
cis-1,2-Dichloroethene	103		107		70-130	4		30
Dibromomethane	104		108		70-130	4		30
Styrene	93		97		70-130	4		30
Dichlorodifluoromethane	74		84		30-146	13		30
Acetone	70		64		54-140	9		30
Carbon disulfide	97		106		59-130	9		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	104		107		70-130	3		30
4-Methyl-2-pentanone	98		103		70-130	5		30
1,2,3-Trichloropropane	85		83		68-130	2		30
2-Hexanone	75		78		70-130	4		30
Bromochloromethane	108		109		70-130	1		30
2,2-Dichloropropane	101		109		70-130	8		30
1,2-Dibromoethane	90		94		70-130	4		30
1,3-Dichloropropane	90		92		69-130	2		30
1,1,1,2-Tetrachloroethane	89		93		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09,13,16-17,28-30,33 Batch: WG623242-1 WG623242-2								
Bromobenzene	81		82		70-130	1		30
n-Butylbenzene	83		89		70-130	7		30
sec-Butylbenzene	82		89		70-130	8		30
tert-Butylbenzene	82		89		70-130	8		30
o-Chlorotoluene	84		88		70-130	5		30
p-Chlorotoluene	83		87		70-130	5		30
1,2-Dibromo-3-chloropropane	87		89		68-130	2		30
Hexachlorobutadiene	80		86		67-130	7		30
Isopropylbenzene	81		87		70-130	7		30
p-Isopropyltoluene	84		90		70-130	7		30
Naphthalene	85		89		70-130	5		30
Acrylonitrile	109		113		70-130	4		30
Isopropyl Ether	103		107		66-130	4		30
tert-Butyl Alcohol	133	Q	137	Q	70-130	3		30
n-Propylbenzene	81		87		70-130	7		30
1,2,3-Trichlorobenzene	85		87		70-130	2		30
1,2,4-Trichlorobenzene	84		88		70-130	5		30
1,3,5-Trimethylbenzene	84		89		70-130	6		30
1,2,4-Trimethylbenzene	86		90		70-130	5		30
Methyl Acetate	103		106		51-146	3		30
Ethyl Acetate	107		109		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09,13,16-17,28-30,33 Batch: WG623242-1 WG623242-2								
Acrolein	107		108		70-130	1		30
Cyclohexane	89		102		59-142	14		30
1,4-Dioxane	110		112		65-136	2		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	87		100		50-139	14		30
1,4-Diethylbenzene	84		90		70-130	7		30
4-Ethyltoluene	83		88		70-130	6		30
1,2,4,5-Tetramethylbenzene	78		82		70-130	5		30
Tetrahydrofuran	107		110		66-130	3		30
Ethyl ether	103		104		67-130	1		30
trans-1,4-Dichloro-2-butene	85		86		70-130	1		30
Methyl cyclohexane	87		99		70-130	13		30
Ethyl-Tert-Butyl-Ether	104		108		70-130	4		30
Tertiary-Amyl Methyl Ether	104		108		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		94		70-130
Toluene-d8	92		91		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 14-15 Batch: WG623282-1 WG623282-2								
Methylene chloride	105		94		70-130	11		30
1,1-Dichloroethane	104		93		70-130	11		30
Chloroform	104		93		70-130	11		30
Carbon tetrachloride	110		95		70-130	15		30
1,2-Dichloropropane	104		94		70-130	10		30
Dibromochloromethane	99		89		70-130	11		30
2-Chloroethylvinyl ether	0		0			NC		30
1,1,2-Trichloroethane	100		88		70-130	13		30
Tetrachloroethene	106		90		70-130	16		30
Chlorobenzene	100		88		70-130	13		30
Trichlorofluoromethane	110		93		70-139	17		30
1,2-Dichloroethane	102		92		70-130	10		30
1,1,1-Trichloroethane	107		93		70-130	14		30
Bromodichloromethane	102		93		70-130	9		30
trans-1,3-Dichloropropene	100		89		70-130	12		30
cis-1,3-Dichloropropene	105		94		70-130	11		30
1,1-Dichloropropene	107		93		70-130	14		30
Bromoform	91		83		70-130	9		30
1,1,2,2-Tetrachloroethane	92		83		70-130	10		30
Benzene	105		93		70-130	12		30
Toluene	97		85		70-130	13		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 14-15 Batch: WG623282-1 WG623282-2								
Ethylbenzene	101		88		70-130	14		30
Chloromethane	103		90		52-130	13		30
Bromomethane	113		103		57-147	9		30
Vinyl chloride	98		85		67-130	14		30
Chloroethane	98		86		50-151	13		30
1,1-Dichloroethene	108		91		65-135	17		30
trans-1,2-Dichloroethene	105		92		70-130	13		30
Trichloroethene	105		93		70-130	12		30
1,2-Dichlorobenzene	97		88		70-130	10		30
1,3-Dichlorobenzene	99		88		70-130	12		30
1,4-Dichlorobenzene	99		89		70-130	11		30
Methyl tert butyl ether	99		90		66-130	10		30
p/m-Xylene	103		90		70-130	13		30
o-Xylene	102		89		70-130	14		30
cis-1,2-Dichloroethene	105		92		70-130	13		30
Dibromomethane	104		95		70-130	9		30
Styrene	101		90		70-130	12		30
Dichlorodifluoromethane	119		102		30-146	15		30
Acetone	150	Q	131		54-140	14		30
Carbon disulfide	106		90		59-130	16		30
2-Butanone	120		106		70-130	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 14-15 Batch: WG623282-1 WG623282-2								
Vinyl acetate	102		91		70-130	11		30
4-Methyl-2-pentanone	105		96		70-130	9		30
1,2,3-Trichloropropane	93		85		68-130	9		30
2-Hexanone	98		88		70-130	11		30
Bromochloromethane	106		96		70-130	10		30
2,2-Dichloropropane	109		94		70-130	15		30
1,2-Dibromoethane	97		88		70-130	10		30
1,3-Dichloropropane	100		89		69-130	12		30
1,1,1,2-Tetrachloroethane	102		90		70-130	13		30
Bromobenzene	95		85		70-130	11		30
n-Butylbenzene	102		88		70-130	15		30
sec-Butylbenzene	102		89		70-130	14		30
tert-Butylbenzene	102		89		70-130	14		30
o-Chlorotoluene	99		87		70-130	13		30
p-Chlorotoluene	100		89		70-130	12		30
1,2-Dibromo-3-chloropropane	99		90		68-130	10		30
Hexachlorobutadiene	101		87		67-130	15		30
Isopropylbenzene	103		90		70-130	13		30
p-Isopropyltoluene	101		89		70-130	13		30
Naphthalene	91		83		70-130	9		30
Acrylonitrile	105		98		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 14-15 Batch: WG623282-1 WG623282-2								
Isopropyl Ether	103		92		66-130	11		30
tert-Butyl Alcohol	92		84		70-130	9		30
n-Propylbenzene	99		87		70-130	13		30
1,2,3-Trichlorobenzene	93		85		70-130	9		30
1,2,4-Trichlorobenzene	97		87		70-130	11		30
1,3,5-Trimethylbenzene	100		88		70-130	13		30
1,2,4-Trimethylbenzene	100		89		70-130	12		30
Methyl Acetate	96		89		51-146	8		30
Ethyl Acetate	103		96		70-130	7		30
Acrolein	77		72		70-130	7		30
Cyclohexane	120		102		59-142	16		30
1,4-Dioxane	102		95		65-136	7		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	119		101		50-139	16		30
1,4-Diethylbenzene	112		98		70-130	13		30
4-Ethyltoluene	111		97		70-130	13		30
1,2,4,5-Tetramethylbenzene	109		98		70-130	11		30
Tetrahydrofuran	102		92		66-130	10		30
Ethyl ether	92		83		67-130	10		30
trans-1,4-Dichloro-2-butene	94		86		70-130	9		30
Methyl cyclohexane	122		104		70-130	16		30
Ethyl-Tert-Butyl-Ether	101		91		70-130	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 14-15 Batch: WG623282-1 WG623282-2								
Tertiary-Amyl Methyl Ether	102		93		70-130	9		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	100		100		70-130

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 22,24-26,34-35 Batch: WG623359-1 WG623359-2								
Methylene chloride	95		98		70-130	3		20
1,1-Dichloroethane	97		100		70-130	3		20
Chloroform	93		98		70-130	5		20
2-Chloroethylvinyl ether	97		99		70-130	2		20
Carbon tetrachloride	90		94		63-132	4		20
1,2-Dichloropropane	97		98		70-130	1		20
Dibromochloromethane	88		90		63-130	2		20
1,1,2-Trichloroethane	98		98		70-130	0		20
Tetrachloroethene	99		104		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 22,24-26,34-35 Batch: WG623359-1 WG623359-2								
Chlorobenzene	99		102		75-130	3		20
Trichlorofluoromethane	105		116		62-150	10		20
1,2-Dichloroethane	91		93		70-130	2		20
1,1,1-Trichloroethane	95		98		67-130	3		20
Bromodichloromethane	94		96		67-130	2		20
trans-1,3-Dichloropropene	97		98		70-130	1		20
cis-1,3-Dichloropropene	97		99		70-130	2		20
1,1-Dichloropropene	96		100		70-130	4		20
Bromoform	92		91		54-136	1		20
1,1,2,2-Tetrachloroethane	95		98		67-130	3		20
Benzene	96		100		70-130	4		20
Toluene	101		105		70-130	4		20
Ethylbenzene	103		107		70-130	4		20
Chloromethane	117		124		64-130	6		20
Bromomethane	105		101		39-139	4		20
Vinyl chloride	96		100		55-140	4		20
Chloroethane	100		109		55-138	9		20
1,1-Dichloroethene	96		103		61-145	7		20
trans-1,2-Dichloroethene	90		95		70-130	5		20
Trichloroethene	93		96		70-130	3		20
1,2-Dichlorobenzene	99		100		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 22,24-26,34-35 Batch: WG623359-1 WG623359-2								
1,3-Dichlorobenzene	102		104		70-130	2		20
1,4-Dichlorobenzene	100		103		70-130	3		20
Methyl tert butyl ether	89		89		63-130	0		20
p/m-Xylene	103		107		70-130	4		20
o-Xylene	103		107		70-130	4		20
cis-1,2-Dichloroethene	91		95		70-130	4		20
Dibromomethane	88		85		70-130	3		20
1,2,3-Trichloropropane	96		96		64-130	0		20
Acrylonitrile	75		74		70-130	1		20
Isopropyl Ether	96		99		70-130	3		20
tert-Butyl Alcohol	77		76		70-130	1		20
Styrene	104		109		70-130	5		20
Dichlorodifluoromethane	112		119		36-147	6		20
Acetone	81		99		58-148	20		20
Carbon disulfide	90		97		51-130	7		20
2-Butanone	102		99		63-138	3		20
Vinyl acetate	102		97		70-130	5		20
4-Methyl-2-pentanone	78		77		59-130	1		20
2-Hexanone	85		84		57-130	1		20
Bromochloromethane	90		92		70-130	2		20
2,2-Dichloropropane	153	Q	163	Q	63-133	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 22,24-26,34-35 Batch: WG623359-1 WG623359-2								
1,2-Dibromoethane	91		90		70-130	1		20
1,3-Dichloropropane	97		98		70-130	1		20
1,1,1,2-Tetrachloroethane	103		106		64-130	3		20
Bromobenzene	100		102		70-130	2		20
n-Butylbenzene	108		111		53-136	3		20
sec-Butylbenzene	112		117		70-130	4		20
tert-Butylbenzene	108		113		70-130	5		20
o-Chlorotoluene	112		113		70-130	1		20
p-Chlorotoluene	109		113		70-130	4		20
1,2-Dibromo-3-chloropropane	83		82		41-144	1		20
Hexachlorobutadiene	98		102		63-130	4		20
Isopropylbenzene	111		115		70-130	4		20
p-Isopropyltoluene	112		115		70-130	3		20
Naphthalene	63	Q	62	Q	70-130	2		20
n-Propylbenzene	114		116		69-130	2		20
1,2,3-Trichlorobenzene	72		73		70-130	1		20
1,2,4-Trichlorobenzene	78		78		70-130	0		20
1,3,5-Trimethylbenzene	111		113		64-130	2		20
1,2,4-Trimethylbenzene	107		109		70-130	2		20
Methyl Acetate	93		93		70-130	0		20
Ethyl Acetate	92		93		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 22,24-26,34-35 Batch: WG623359-1 WG623359-2								
Cyclohexane	96		101		70-130	5		20
Ethyl-Tert-Butyl-Ether	97		98		70-130	1		20
Tertiary-Amyl Methyl Ether	100		101		66-130	1		20
1,4-Dioxane	99		102		56-162	3		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	106		115		70-130	8		20
1,4-Diethylbenzene	115		118		70-130	3		20
4-Ethyltoluene	110		113		70-130	3		20
1,2,4,5-Tetramethylbenzene	83		82		70-130	1		20
Ethyl ether	92		93		59-134	1		20
trans-1,4-Dichloro-2-butene	129		127		70-130	2		20
Methyl cyclohexane	101		107		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	105		106		70-130
4-Bromofluorobenzene	108		104		70-130
Dibromofluoromethane	95		96		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20-21,23 QC Batch ID: WG622928-4 WG622928-5 QC Sample: L1313126-21 Client ID: SB020 (GW)												
Methylene chloride	ND	10	10	100		10	100		70-130	0		20
1,1-Dichloroethane	ND	10	11	106		10	105		70-130	10		20
Chloroform	ND	10	10	102		10	103		70-130	0		20
Carbon tetrachloride	ND	10	9.7	97		9.3	93		63-132	4		20
1,2-Dichloropropane	ND	10	10	105		10	105		70-130	0		20
Dibromochloromethane	ND	10	9.4	94		9.5	95		63-130	1		20
1,1,2-Trichloroethane	ND	10	10	101		10	104		70-130	0		20
Tetrachloroethene	ND	10	9.3	93		9.2	92		70-130	1		20
Chlorobenzene	ND	10	9.6	96		9.9	99		75-130	3		20
Trichlorofluoromethane	ND	10	9.0	90		8.5	85		62-150	6		20
1,2-Dichloroethane	ND	10	10	101		10	101		70-130	0		20
1,1,1-Trichloroethane	ND	10	10	104		10	100		67-130	0		20
Bromodichloromethane	ND	10	10	100		10	100		67-130	0		20
trans-1,3-Dichloropropene	ND	10	7.8	78		8.0	80		70-130	3		20
cis-1,3-Dichloropropene	ND	10	8.2	82		8.2	82		70-130	0		20
1,1-Dichloropropene	ND	10	10	101		10	100		70-130	0		20
Bromoform	ND	10	11	112		12	116		54-136	9		20
1,1,2,2-Tetrachloroethane	ND	10	12	125		13	129		67-130	8		20
Benzene	ND	10	10	103		10	102		70-130	0		20
Toluene	ND	10	10	102		10	101		70-130	0		20
Ethylbenzene	ND	10	9.9	99		9.8	98		70-130	1		20

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20-21,23 QC Batch ID: WG622928-4 WG622928-5 QC Sample: L1313126-21 Client ID: SB020 (GW)												
Chloromethane	ND	10	6.9	69		7.3	73		64-130	6		20
Bromomethane	ND	10	3.6	36	Q	5.1	51		39-139	34	Q	20
Vinyl chloride	ND	10	9.1	91		9.0	90		55-140	1		20
Chloroethane	ND	10	9.5	95		9.4	94		55-138	1		20
1,1-Dichloroethene	ND	10	11	109		10	106		61-145	10		20
trans-1,2-Dichloroethene	ND	10	9.8	98		10	100		70-130	2		20
Trichloroethene	ND	10	9.7	97		9.7	97		70-130	0		20
1,2-Dichlorobenzene	ND	10	9.3	93		9.8	98		70-130	5		20
1,3-Dichlorobenzene	ND	10	9.3	93		9.6	96		70-130	3		20
1,4-Dichlorobenzene	ND	10	8.8	88		9.3	93		70-130	6		20
Methyl tert butyl ether	ND	10	10	101		10	100		63-130	0		20
p/m-Xylene	ND	20	19	94		19	94		70-130	0		20
o-Xylene	ND	20	19	94		19	94		70-130	0		20
cis-1,2-Dichloroethene	ND	10	10	100		10	101		70-130	0		20
Dibromomethane	ND	10	10	100		10	102		70-130	0		20
1,2,3-Trichloropropane	ND	10	12	125		12	125		64-130	0		20
Acrylonitrile	ND	10	10	103		10	104		70-130	0		20
Styrene	ND	20	17	88		18	90		70-130	6		20
Dichlorodifluoromethane	ND	10	9.7	97		9.2	92		36-147	5		20
Acetone	ND	10	8.4	84		8.0	80		58-148	5		20
Carbon disulfide	ND	10	11	107		10	100		51-130	10		20

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20-21,23 QC Batch ID: WG622928-4 WG622928-5 QC Sample: L1313126-21 Client ID: SB020 (GW)												
2-Butanone	ND	10	9.8	98		9.5	95		63-138	3		20
Vinyl acetate	ND	10	9.8	98		8.9	89		70-130	10		20
4-Methyl-2-pentanone	ND	10	10	102		10	100		59-130	0		20
2-Hexanone	ND	10	10	101		10	103		57-130	0		20
Bromochloromethane	ND	10	10	104		10	104		70-130	0		20
2,2-Dichloropropane	ND	10	9.6	96		9.1	91		63-133	5		20
1,2-Dibromoethane	ND	10	9.9	99		10	101		70-130	1		20
1,3-Dichloropropane	ND	10	10	105		11	106		70-130	10		20
1,1,1,2-Tetrachloroethane	ND	10	10	102		10	104		64-130	0		20
Bromobenzene	ND	10	10	105		11	109		70-130	10		20
n-Butylbenzene	ND	10	6.8	68		7.0	70		53-136	3		20
sec-Butylbenzene	ND	10	8.9	89		8.8	88		70-130	1		20
tert-Butylbenzene	ND	10	9.4	94		9.2	92		70-130	2		20
o-Chlorotoluene	ND	10	10	105		11	107		70-130	10		20
p-Chlorotoluene	ND	10	9.4	94		9.9	99		70-130	5		20
1,2-Dibromo-3-chloropropane	ND	10	10	105		11	108		41-144	10		20
Hexachlorobutadiene	ND	10	7.4	75		8.0	80		63-130	8		20
Isopropylbenzene	ND	10	11	112		11	110		70-130	0		20
p-Isopropyltoluene	ND	10	8.1	81		8.1	81		70-130	0		20
Naphthalene	0.90J	10	9.0	90		10	104		70-130	11		20
n-Propylbenzene	ND	10	9.6	96		9.7	97		69-130	1		20

Matrix Spike Analysis Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20-21,23 QC Batch ID: WG622928-4 WG622928-5 QC Sample: L1313126-21
Client ID: SB020 (GW)

1,2,3-Trichlorobenzene	ND	10	6.5	65	Q	7.3	73		70-130	12		20
1,2,4-Trichlorobenzene	ND	10	6.6	66	Q	7.3	73		70-130	10		20
1,3,5-Trimethylbenzene	ND	10	9.2	92		9.2	92		64-130	0		20
1,2,4-Trimethylbenzene	ND	10	8.4	84		8.5	85		70-130	1		20
1,4-Dioxane	ND	1000	910	92		1000	101		56-162	9		20
1,4-Diethylbenzene	ND	10	7.6	76		7.9	79		70-130	4		20
4-Ethyltoluene	ND	10	9.0	90		9.0	90		70-130	0		20
1,2,4,5-Tetramethylbenzene	ND	10	9.9	99		10	104		70-130	1		20
Ethyl ether	ND	10	10	104		10	103		59-134	0		20
trans-1,4-Dichloro-2-butene	ND	10	10	100		10	104		70-130	0		20

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1,2-Dichloroethane-d4	99		98		70-130
4-Bromofluorobenzene	124		123		70-130
Dibromofluoromethane	98		99		70-130
Toluene-d8	103		103		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,18-19,27,32 QC Batch ID: WG623224-4 WG623224-5 QC Sample: L1313126-01 Client ID: SB017 (0-2')

Methylene chloride	2.8J	33.3	31	93		19	82		70-130	49	Q	30
1,1-Dichloroethane	ND	33.3	31	92		18	80		70-130	49	Q	30
Chloroform	ND	33.3	28	84		17	73		70-130	49	Q	30
Carbon tetrachloride	ND	33.3	31	92		16	70		70-130	62	Q	30
1,2-Dichloropropane	ND	33.3	28	85		17	75		70-130	48	Q	30
Dibromochloromethane	ND	33.3	22	67	Q	14	59	Q	70-130	47	Q	30
1,1,2-Trichloroethane	ND	33.3	25	74		16	69	Q	70-130	43	Q	30
Tetrachloroethene	ND	33.3	25	75		11	47	Q	70-130	79	Q	30
Chlorobenzene	ND	33.3	18	55	Q	9.7	42	Q	70-130	62	Q	30
Trichlorofluoromethane	ND	33.3	33	100		19	83		70-139	54	Q	30
1,2-Dichloroethane	ND	33.3	25	76		16	70		70-130	43	Q	30
1,1,1-Trichloroethane	ND	33.3	32	96		18	79		70-130	55	Q	30
Bromodichloromethane	ND	33.3	25	75		15	66	Q	70-130	49	Q	30
trans-1,3-Dichloropropene	ND	33.3	15	46	Q	9.4	41	Q	70-130	47	Q	30
cis-1,3-Dichloropropene	ND	33.3	21	64	Q	13	54	Q	70-130	51	Q	30
1,1-Dichloropropene	ND	33.3	28	85		14	60	Q	70-130	68	Q	30
Bromoform	ND	33.3	20	60	Q	12	54	Q	70-130	46	Q	30
1,1,2,2-Tetrachloroethane	ND	33.3	21	62	Q	13	57	Q	70-130	45	Q	30
Benzene	ND	33.3	28	84		17	72		70-130	51	Q	30
Toluene	0.22J	33.3	24	73		13	57	Q	70-130	59	Q	30
Ethylbenzene	ND	33.3	22	66	Q	10	44	Q	70-130	73	Q	30

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,18-19,27,32 QC Batch ID: WG623224-4 WG623224-5 QC Sample: L1313126-01 Client ID: SB017 (0-2')

Chloromethane	ND	33.3	27	82		17	73		52-130	48	Q	30
Bromomethane	ND	33.3	29	86		18	76		57-147	47	Q	30
Vinyl chloride	ND	33.3	32	95		18	78		67-130	54	Q	30
Chloroethane	ND	33.3	29	88		18	76		50-151	50	Q	30
1,1-Dichloroethene	ND	33.3	32	96		18	77		65-135	57	Q	30
trans-1,2-Dichloroethene	ND	33.3	27	81		14	62	Q	70-130	61	Q	30
Trichloroethene	ND	33.3	28	85		14	60	Q	70-130	68	Q	30
1,2-Dichlorobenzene	ND	33.3	12	35	Q	5.9	25	Q	70-130	65	Q	30
1,3-Dichlorobenzene	ND	33.3	11	34	Q	5.2J	22	Q	70-130	75	Q	30
1,4-Dichlorobenzene	ND	33.3	9.5	29	Q	4.7J	20	Q	70-130	69	Q	30
Methyl tert butyl ether	ND	33.3	37	112		24	104		66-130	42	Q	30
p/m-Xylene	ND	66.6	42	63	Q	20	42	Q	70-130	72	Q	30
o-Xylene	ND	66.6	44	66	Q	22	48	Q	70-130	67	Q	30
cis-1,2-Dichloroethene	ND	33.3	26	77		15	66	Q	70-130	51	Q	30
Dibromomethane	ND	33.3	23	69	Q	15	64	Q	70-130	44	Q	30
Styrene	ND	66.6	30	45	Q	16	35	Q	70-130	59	Q	30
Dichlorodifluoromethane	ND	33.3	30	90		18	77		30-146	51	Q	30
Acetone	8.2J	33.3	75	226	Q	41	176	Q	54-140	60	Q	30
Carbon disulfide	ND	33.3	27	82		13	57	Q	59-130	70	Q	30
2-Butanone	ND	33.3	52	156	Q	33	141	Q	70-130	45	Q	30
Vinyl acetate	ND	33.3	28	83		17	75		70-130	45	Q	30

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,18-19,27,32 QC Batch ID: WG623224-4 WG623224-5 QC Sample: L1313126-01 Client ID: SB017 (0-2')

4-Methyl-2-pentanone	ND	33.3	32	95		21	91		70-130	40	Q	30
1,2,3-Trichloropropane	ND	33.3	23	68		14	62	Q	68-130	45	Q	30
2-Hexanone	ND	33.3	39	118		25	108		70-130	44	Q	30
Bromochloromethane	ND	33.3	26	78		16	71		70-130	46	Q	30
2,2-Dichloropropane	ND	33.3	34	101		19	83		70-130	55	Q	30
1,2-Dibromoethane	ND	33.3	21	62	Q	14	58	Q	70-130	42	Q	30
1,3-Dichloropropane	ND	33.3	23	68	Q	14	62	Q	69-130	44	Q	30
1,1,1,2-Tetrachloroethane	ND	33.3	25	75		14	60	Q	70-130	56	Q	30
Bromobenzene	ND	33.3	15	44	Q	7.7	33	Q	70-130	63	Q	30
n-Butylbenzene	ND	33.3	15	45	Q	5.1	22	Q	70-130	100	Q	30
sec-Butylbenzene	ND	33.3	21	62	Q	7.0	30	Q	70-130	100	Q	30
tert-Butylbenzene	ND	33.3	23	68	Q	8.0	35	Q	70-130	96	Q	30
o-Chlorotoluene	ND	33.3	18	53	Q	7.8	34	Q	70-130	78	Q	30
p-Chlorotoluene	ND	33.3	14	41	Q	6.0	26	Q	70-130	78	Q	30
1,2-Dibromo-3-chloropropane	ND	33.3	18	55	Q	11	49	Q	68-130	46	Q	30
Hexachlorobutadiene	ND	33.3	15	44	Q	4.5J	19	Q	67-130	106	Q	30
Isopropylbenzene	ND	33.3	22	66	Q	9.3	40	Q	70-130	82	Q	30
p-Isopropyltoluene	ND	33.3	19	58	Q	6.5	28	Q	70-130	99	Q	30
Naphthalene	ND	33.3	6.9J	21	Q	4.8J	21	Q	70-130	36	Q	30
Acrylonitrile	ND	33.3	27	80		18	80		70-130	36	Q	30
n-Propylbenzene	ND	33.3	18	53	Q	7.8	34	Q	70-130	78	Q	30

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT
Project Number: RAB 1301

Lab Number: L1313126
Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,18-19,27,32 QC Batch ID: WG623224-4 WG623224-5 QC Sample: L1313126-01 Client ID: SB017 (0-2')

1,2,3-Trichlorobenzene	ND	33.3	7.0J	21	Q	3.5J	15	Q	70-130	67	Q	30
1,2,4-Trichlorobenzene	ND	33.3	6.2J	19	Q	3.1J	13	Q	70-130	67	Q	30
1,3,5-Trimethylbenzene	ND	33.3	20	60	Q	7.9	34	Q	70-130	87	Q	30
1,2,4-Trimethylbenzene	ND	33.3	19	56	Q	7.8	34	Q	70-130	82	Q	30
1,4-Dioxane	ND	1660	1800	110		1200	101		65-136	45	Q	30
1,4-Diethylbenzene	ND	33.3	16	48	Q	5.5	24	Q	70-130	97	Q	30
4-Ethyltoluene	ND	33.3	19	56	Q	7.2	31	Q	70-130	89	Q	30
1,2,4,5-Tetramethylbenzene	ND	33.3	15	46	Q	5.5	24	Q	70-130	94	Q	30
Ethyl ether	ND	33.3	31	92		20	86		67-130	42	Q	30
trans-1,4-Dichloro-2-butene	ND	33.3	12	36	Q	7.4	32	Q	70-130	48	Q	30

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1,2-Dichloroethane-d4	99		97		70-130
4-Bromofluorobenzene	100		94		70-130
Dibromofluoromethane	100		98		70-130
Toluene-d8	103		99		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT
Project Number: RAB 1301

Lab Number: L1313126
Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,18-19,27,32 QC Batch ID: WG623224-6 WG623224-7 QC Sample: L1313126-32 Client ID: FD015

Methylene chloride	ND	31.2	23	72		25	65	Q	70-130	20		30
1,1-Dichloroethane	ND	31.2	18	58	Q	22	57	Q	70-130	31	Q	30
Chloroform	ND	31.2	16	50	Q	20	51	Q	70-130	34	Q	30
Carbon tetrachloride	ND	31.2	6.2	20	Q	10	26	Q	70-130	100	Q	30
1,2-Dichloropropane	ND	31.2	14	44	Q	18	46	Q	70-130	45	Q	30
Dibromochloromethane	ND	31.2	9.8	31	Q	13	33	Q	70-130	54	Q	30
1,1,2-Trichloroethane	ND	31.2	14	45	Q	17	44	Q	70-130	35	Q	30
Tetrachloroethene	ND	31.2	3.6	11	Q	6.6	17	Q	70-130	117	Q	30
Chlorobenzene	ND	31.2	4.6	15	Q	7.6	19	Q	70-130	83	Q	30
Trichlorofluoromethane	ND	31.2	13	40	Q	18	46	Q	70-139	59	Q	30
1,2-Dichloroethane	ND	31.2	18	57	Q	21	54	Q	70-130	17		30
1,1,1-Trichloroethane	ND	31.2	10	33	Q	15	38	Q	70-130	72	Q	30
Bromodichloromethane	ND	31.2	12	38	Q	16	40	Q	70-130	46	Q	30
trans-1,3-Dichloropropene	ND	31.2	8.2	26	Q	9.7	25	Q	70-130	44	Q	30
cis-1,3-Dichloropropene	ND	31.2	9.3	30	Q	12	31	Q	70-130	55	Q	30
1,1-Dichloropropene	ND	31.2	6.8J	22	Q	11	28	Q	70-130	87	Q	30
Bromoform	ND	31.2	8.7	28	Q	11	27	Q	70-130	61	Q	30
1,1,2,2-Tetrachloroethane	ND	31.2	10	32	Q	12	31	Q	70-130	53	Q	30
Benzene	ND	31.2	13	41	Q	18	45	Q	70-130	46	Q	30
Toluene	ND	31.2	7.0	22	Q	11	27	Q	70-130	78	Q	30
Ethylbenzene	ND	31.2	3.6	12	Q	6.3	16	Q	70-130	111	Q	30

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,18-19,27,32 QC Batch ID: WG623224-6 WG623224-7 QC Sample: L1313126-32 Client ID: FD015

Chloromethane	ND	31.2	21	68		24	61		52-130	13		30
Bromomethane	ND	31.2	19	60		20	51	Q	57-147	36	Q	30
Vinyl chloride	ND	31.2	20	64	Q	24	60	Q	67-130	29		30
Chloroethane	ND	31.2	21	66		25	63		50-151	17		30
1,1-Dichloroethene	ND	31.2	15	47	Q	20	50	Q	65-135	48	Q	30
trans-1,2-Dichloroethene	ND	31.2	12	38	Q	15	37	Q	70-130	59	Q	30
Trichloroethene	3.4	31.2	10	21	Q	14	27	Q	70-130	69	Q	30
1,2-Dichlorobenzene	ND	31.2	1.9J	6	Q	3.6J	9	Q	70-130	105	Q	30
1,3-Dichlorobenzene	ND	31.2	1.8J	6	Q	3.5J	9	Q	70-130	106	Q	30
1,4-Dichlorobenzene	ND	31.2	1.9J	6	Q	3.6J	9	Q	70-130	90	Q	30
Methyl tert butyl ether	ND	31.2	27	88		31	80		66-130	18		30
p/m-Xylene	1.0J	62.3	8.2	13	Q	13	16	Q	70-130	108	Q	30
o-Xylene	ND	62.3	7.0	11	Q	12	16	Q	70-130	113	Q	30
cis-1,2-Dichloroethene	ND	31.2	15	46	Q	18	46	Q	70-130	36	Q	30
Dibromomethane	ND	31.2	15.J	48	Q	18.J	45	Q	70-130	26		30
Styrene	ND	62.3	6.3	10	Q	11	14	Q	70-130	94	Q	30
Dichlorodifluoromethane	ND	31.2	17	53		22	57		30-146	29		30
Acetone	47.	31.2	49	6	Q	51	9	Q	54-140	39	Q	30
Carbon disulfide	ND	31.2	7.4J	24	Q	10.J	26	Q	59-130	91	Q	30
2-Butanone	ND	31.2	22	69	Q	23	58	Q	70-130	79	Q	30
Vinyl acetate	ND	31.2	19	62	Q	23	58	Q	70-130	18		30

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,18-19,27,32 QC Batch ID: WG623224-6 WG623224-7 QC Sample: L1313126-32 Client ID: FD015

4-Methyl-2-pentanone	ND	31.2	18	56	Q	20	51	Q	70-130	45	Q	30
1,2,3-Trichloropropane	ND	31.2	13.J	43	Q	15.J	39	Q	68-130	41	Q	30
2-Hexanone	ND	31.2	12.J	39	Q	14.J	35	Q	70-130	97	Q	30
Bromochloromethane	ND	31.2	17	56	Q	20	52	Q	70-130	25		30
2,2-Dichloropropane	ND	31.2	14	46	Q	19	48	Q	70-130	56	Q	30
1,2-Dibromoethane	ND	31.2	12	39	Q	16	40	Q	70-130	28		30
1,3-Dichloropropane	ND	31.2	14	45	Q	17	44	Q	69-130	28		30
1,1,1,2-Tetrachloroethane	ND	31.2	6.3	20	Q	9.5	24	Q	70-130	90	Q	30
Bromobenzene	ND	31.2	3.8J	12	Q	6.1J	15	Q	70-130	83	Q	30
n-Butylbenzene	ND	31.2	0.99J	3	Q	2.3	6	Q	70-130	147	Q	30
sec-Butylbenzene	ND	31.2	1.3J	4	Q	3.0	8	Q	70-130	149	Q	30
tert-Butylbenzene	ND	31.2	1.8J	6	Q	3.4J	9	Q	70-130	148	Q	30
o-Chlorotoluene	ND	31.2	2.3J	7	Q	4.3J	11	Q	70-130	122	Q	30
p-Chlorotoluene	ND	31.2	2.2J	7	Q	4.1J	10	Q	70-130	108	Q	30
1,2-Dibromo-3-chloropropane	ND	31.2	5.9J	19	Q	7.8J	20	Q	68-130	80	Q	30
Hexachlorobutadiene	ND	31.2	0.74J	2	Q	1.6J	4	Q	67-130	161	Q	30
Isopropylbenzene	ND	31.2	1.8	6	Q	4.0	10	Q	70-130	139	Q	30
p-Isopropyltoluene	ND	31.2	1.1J	3	Q	2.8	7	Q	70-130	150	Q	30
Naphthalene	ND	31.2	2.6J	8	Q	3.5J	9	Q	70-130	66	Q	30
Acrylonitrile	ND	31.2	22	70		22	57	Q	70-130	18		30
n-Propylbenzene	ND	31.2	2.3	7	Q	4.3	11	Q	70-130	122	Q	30

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,18-19,27,32 QC Batch ID: WG623224-6 WG623224-7 QC Sample: L1313126-32 Client ID: FD015

1,2,3-Trichlorobenzene	ND	31.2	0.56J	2	Q	1.4J	4	Q	70-130	133	Q	30
1,2,4-Trichlorobenzene	ND	31.2	ND	0	Q	ND	0	Q	70-130	NC		30
1,3,5-Trimethylbenzene	ND	31.2	2.0J	6	Q	3.8J	10	Q	70-130	137	Q	30
1,2,4-Trimethylbenzene	ND	31.2	2.5J	8	Q	4.1J	11	Q	70-130	128	Q	30
1,4-Dioxane	ND	1560	1700	110		1700	87		65-136	8		30
1,4-Diethylbenzene	ND	31.2	1.2J	4	Q	2.7J	7	Q	70-130	142	Q	30
4-Ethyltoluene	ND	31.2	2.4J	8	Q	4.1J	10	Q	70-130	128	Q	30
1,2,4,5-Tetramethylbenzene	ND	31.2	1.7J	5	Q	2.8J	7	Q	70-130	138	Q	30
Ethyl ether	ND	31.2	25	82		29	75		67-130	4		30
trans-1,4-Dichloro-2-butene	ND	31.2	4.0J	13	Q	3.8J	10	Q	70-130	105	Q	30

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1,2-Dichloroethane-d4	102		103		70-130
4-Bromofluorobenzene	108		105		70-130
Dibromofluoromethane	101		104		70-130
Toluene-d8	103		103		70-130

SEMIVOLATILES

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-01
 Client ID: SB017 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/21/13 22:22
 Analyst: JB
 Percent Solids: 94%

Date Collected: 07/11/13 11:15
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 23:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	160	J	ug/kg	280	73.	2
1,2,4-Trichlorobenzene	ND		ug/kg	350	120	2
Hexachlorobenzene	ND		ug/kg	210	66.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	99.	2
2-Chloronaphthalene	ND		ug/kg	350	120	2
1,2-Dichlorobenzene	ND		ug/kg	350	120	2
1,3-Dichlorobenzene	ND		ug/kg	350	110	2
1,4-Dichlorobenzene	ND		ug/kg	350	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	350	94.	2
2,4-Dinitrotoluene	ND		ug/kg	350	76.	2
2,6-Dinitrotoluene	ND		ug/kg	350	90.	2
Fluoranthene	1900		ug/kg	210	65.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	350	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	350	81.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	420	120	2
Bis(2-chloroethoxy)methane	ND		ug/kg	380	110	2
Hexachlorobutadiene	ND		ug/kg	350	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	280	64.	2
Isophorone	ND		ug/kg	320	94.	2
Naphthalene	ND		ug/kg	350	120	2
Nitrobenzene	ND		ug/kg	320	84.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	280	74.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	350	100	2
Bis(2-Ethylhexyl)phthalate	350		ug/kg	350	93.	2
Butyl benzyl phthalate	ND		ug/kg	350	69.	2
Di-n-butylphthalate	ND		ug/kg	350	68.	2
Di-n-octylphthalate	ND		ug/kg	350	87.	2
Diethyl phthalate	ND		ug/kg	350	75.	2
Dimethyl phthalate	ND		ug/kg	350	90.	2
Benzo(a)anthracene	960		ug/kg	210	69.	2

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-01

Date Collected: 07/11/13 11:15

Client ID: SB017 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	840		ug/kg	280	86.	2
Benzo(b)fluoranthene	980		ug/kg	210	71.	2
Benzo(k)fluoranthene	330		ug/kg	210	67.	2
Chrysene	1200		ug/kg	210	69.	2
Acenaphthylene	87	J	ug/kg	280	66.	2
Anthracene	250		ug/kg	210	59.	2
Benzo(ghi)perylene	560		ug/kg	280	74.	2
Fluorene	120	J	ug/kg	350	100	2
Phenanthrene	1700		ug/kg	210	69.	2
Dibenzo(a,h)anthracene	200	J	ug/kg	210	68.	2
Indeno(1,2,3-cd)Pyrene	590		ug/kg	280	78.	2
Pyrene	2000		ug/kg	210	69.	2
Biphenyl	ND		ug/kg	810	120	2
4-Chloroaniline	ND		ug/kg	350	93.	2
2-Nitroaniline	ND		ug/kg	350	100	2
3-Nitroaniline	ND		ug/kg	350	98.	2
4-Nitroaniline	ND		ug/kg	350	95.	2
Dibenzofuran	ND		ug/kg	350	120	2
2-Methylnaphthalene	ND		ug/kg	420	110	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	350	110	2
Acetophenone	ND		ug/kg	350	110	2
2,4,6-Trichlorophenol	ND		ug/kg	210	67.	2
P-Chloro-M-Cresol	ND		ug/kg	350	100	2
2-Chlorophenol	ND		ug/kg	350	110	2
2,4-Dichlorophenol	ND		ug/kg	320	110	2
2,4-Dimethylphenol	ND		ug/kg	350	100	2
2-Nitrophenol	ND		ug/kg	760	110	2
4-Nitrophenol	ND		ug/kg	500	110	2
2,4-Dinitrophenol	ND		ug/kg	1700	480	2
4,6-Dinitro-o-cresol	ND		ug/kg	920	130	2
Pentachlorophenol	ND		ug/kg	280	76.	2
Phenol	ND		ug/kg	350	100	2
2-Methylphenol	ND		ug/kg	350	110	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	510	120	2
2,4,5-Trichlorophenol	ND		ug/kg	350	110	2
Benzoic Acid	ND		ug/kg	1100	360	2
Benzyl Alcohol	ND		ug/kg	350	110	2
Carbazole	ND		ug/kg	350	76.	2

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-01

Date Collected: 07/11/13 11:15

Client ID: SB017 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	6	Q	25-120
Phenol-d6	29		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	0		0-136
4-Terphenyl-d14	66		18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-02
 Client ID: SB017 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/21/13 22:49
 Analyst: JB
 Percent Solids: 91%

Date Collected: 07/11/13 11:20
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 23:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	100	J	ug/kg	140	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	60.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	51.	1
2-Chloronaphthalene	ND		ug/kg	180	59.	1
1,2-Dichlorobenzene	ND		ug/kg	180	60.	1
1,3-Dichlorobenzene	ND		ug/kg	180	57.	1
1,4-Dichlorobenzene	ND		ug/kg	180	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	39.	1
2,6-Dinitrotoluene	ND		ug/kg	180	47.	1
Fluoranthene	1500		ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	55.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	64.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	55.	1
Hexachlorobutadiene	ND		ug/kg	180	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	120	1
Hexachloroethane	ND		ug/kg	140	33.	1
Isophorone	ND		ug/kg	160	48.	1
Naphthalene	190		ug/kg	180	60.	1
Nitrobenzene	ND		ug/kg	160	43.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	54.	1
Bis(2-Ethylhexyl)phthalate	81	J	ug/kg	180	48.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	45.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1
Benzo(a)anthracene	660		ug/kg	110	36.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-02

Date Collected: 07/11/13 11:20

Client ID: SB017 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	530		ug/kg	140	44.	1
Benzo(b)fluoranthene	780		ug/kg	110	37.	1
Benzo(k)fluoranthene	330		ug/kg	110	35.	1
Chrysene	690		ug/kg	110	36.	1
Acenaphthylene	63	J	ug/kg	140	34.	1
Anthracene	200		ug/kg	110	30.	1
Benzo(ghi)perylene	370		ug/kg	140	38.	1
Fluorene	85	J	ug/kg	180	52.	1
Phenanthrene	1100		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	120		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	440		ug/kg	140	40.	1
Pyrene	1300		ug/kg	110	35.	1
Biphenyl	ND		ug/kg	420	60.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	51.	1
3-Nitroaniline	ND		ug/kg	180	50.	1
4-Nitroaniline	ND		ug/kg	180	49.	1
Dibenzofuran	90	J	ug/kg	180	61.	1
2-Methylnaphthalene	ND		ug/kg	220	58.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	56.	1
Acetophenone	ND		ug/kg	180	56.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	53.	1
2-Chlorophenol	ND		ug/kg	180	55.	1
2,4-Dichlorophenol	ND		ug/kg	160	59.	1
2,4-Dimethylphenol	ND		ug/kg	180	54.	1
2-Nitrophenol	ND		ug/kg	390	57.	1
4-Nitrophenol	ND		ug/kg	260	59.	1
2,4-Dinitrophenol	ND		ug/kg	880	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	67.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	54.	1
2-Methylphenol	ND		ug/kg	180	59.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	60.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	59.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	110	J	ug/kg	180	39.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-02

Date Collected: 07/11/13 11:20

Client ID: SB017 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	66		0-136
4-Terphenyl-d14	85		18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-03
 Client ID: SB017 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/21/13 23:17
 Analyst: JB
 Percent Solids: 81%

Date Collected: 07/11/13 11:25
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 23:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	67.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	67.	1
1,2-Dichlorobenzene	ND		ug/kg	200	67.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	61	J	ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	72.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	200	58.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	ND		ug/kg	200	68.	1
Nitrobenzene	ND		ug/kg	180	49.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	61.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	54.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-03

Date Collected: 07/11/13 11:25

Client ID: SB017 (10-12')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	67	J	ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	41.	1
Benzo(k)fluoranthene	ND		ug/kg	120	39.	1
Chrysene	ND		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	59.	1
Phenanthrene	45	J	ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	63	J	ug/kg	160	45.	1
Pyrene	49	J	ug/kg	120	40.	1
Biphenyl	ND		ug/kg	470	67.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	58.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	ND		ug/kg	200	68.	1
2-Methylnaphthalene	ND		ug/kg	240	65.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	61.	1
2-Nitrophenol	ND		ug/kg	440	64.	1
4-Nitrophenol	ND		ug/kg	290	66.	1
2,4-Dinitrophenol	ND		ug/kg	980	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	75.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Benzoic Acid	ND		ug/kg	660	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	ND		ug/kg	200	44.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-03

Date Collected: 07/11/13 11:25

Client ID: SB017 (10-12')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	54		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	72		0-136
4-Terphenyl-d14	80		18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-04
 Client ID: SB018 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/21/13 23:44
 Analyst: JB
 Percent Solids: 88%

Date Collected: 07/11/13 13:10
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 23:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	160		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	60.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	52.	1
2-Chloronaphthalene	ND		ug/kg	180	60.	1
1,2-Dichlorobenzene	ND		ug/kg	180	60.	1
1,3-Dichlorobenzene	ND		ug/kg	180	58.	1
1,4-Dichlorobenzene	ND		ug/kg	180	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	40.	1
2,6-Dinitrotoluene	ND		ug/kg	180	47.	1
Fluoranthene	3600		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	56.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	65.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	180	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	120	1
Hexachloroethane	ND		ug/kg	150	33.	1
Isophorone	130	J	ug/kg	160	49.	1
Naphthalene	180		ug/kg	180	61.	1
Nitrobenzene	ND		ug/kg	160	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	55.	1
Bis(2-Ethylhexyl)phthalate	330		ug/kg	180	48.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	36.	1
Di-n-octylphthalate	ND		ug/kg	180	45.	1
Diethyl phthalate	ND		ug/kg	180	39.	1
Dimethyl phthalate	ND		ug/kg	180	47.	1
Benzo(a)anthracene	1500		ug/kg	110	36.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-04

Date Collected: 07/11/13 13:10

Client ID: SB018 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	1300		ug/kg	150	45.	1
Benzo(b)fluoranthene	1800		ug/kg	110	37.	1
Benzo(k)fluoranthene	690		ug/kg	110	35.	1
Chrysene	1700		ug/kg	110	36.	1
Acenaphthylene	140	J	ug/kg	150	34.	1
Anthracene	450		ug/kg	110	31.	1
Benzo(ghi)perylene	900		ug/kg	150	38.	1
Fluorene	140	J	ug/kg	180	53.	1
Phenanthrene	2600		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	260		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	1000		ug/kg	150	41.	1
Pyrene	3000		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	420	61.	1
4-Chloroaniline	ND		ug/kg	180	49.	1
2-Nitroaniline	ND		ug/kg	180	52.	1
3-Nitroaniline	ND		ug/kg	180	51.	1
4-Nitroaniline	ND		ug/kg	180	50.	1
Dibenzofuran	180		ug/kg	180	61.	1
2-Methylnaphthalene	120	J	ug/kg	220	59.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	57.	1
Acetophenone	ND		ug/kg	180	57.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	180	53.	1
2-Chlorophenol	ND		ug/kg	180	56.	1
2,4-Dichlorophenol	ND		ug/kg	160	60.	1
2,4-Dimethylphenol	ND		ug/kg	180	55.	1
2-Nitrophenol	ND		ug/kg	400	57.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	880	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	67.	1
Pentachlorophenol	ND		ug/kg	150	39.	1
Phenol	ND		ug/kg	180	54.	1
2-Methylphenol	ND		ug/kg	180	59.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	60.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	180		ug/kg	180	40.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-04

Date Collected: 07/11/13 13:10

Client ID: SB018 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	1	Q	25-120
Phenol-d6	16		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	7		0-136
4-Terphenyl-d14	88		18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-04 **RE**
Client ID: SB018 (0-2')
Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/23/13 01:10
Analyst: JB
Percent Solids: 88%

Date Collected: 07/11/13 13:10
Date Received: 07/12/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/13 08:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	290		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	100	J	ug/kg	190	61.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
1,2-Dichlorobenzene	110	J	ug/kg	190	61.	1
1,3-Dichlorobenzene	120	J	ug/kg	190	59.	1
1,4-Dichlorobenzene	82	J	ug/kg	190	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	49.	1
2,4-Dinitrotoluene	ND		ug/kg	190	40.	1
2,6-Dinitrotoluene	590		ug/kg	190	48.	1
Fluoranthene	5900		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	190	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	49.	1
Naphthalene	540		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	55.	1
Bis(2-Ethylhexyl)phthalate	250		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	36.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	39.	1
Dimethyl phthalate	ND		ug/kg	190	47.	1
Benzo(a)anthracene	2300		ug/kg	110	36.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-04 RE
 Client ID: SB018 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Date Collected: 07/11/13 13:10
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	1700		ug/kg	150	46.	1
Benzo(b)fluoranthene	2200		ug/kg	110	38.	1
Benzo(k)fluoranthene	1000		ug/kg	110	36.	1
Chrysene	2600		ug/kg	110	36.	1
Acenaphthylene	260		ug/kg	150	35.	1
Anthracene	720		ug/kg	110	31.	1
Benzo(ghi)perylene	1000		ug/kg	150	39.	1
Fluorene	ND		ug/kg	190	53.	1
Phenanthrene	4200		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	250		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	1100		ug/kg	150	41.	1
Pyrene	5400		ug/kg	110	36.	1
Biphenyl	68	J	ug/kg	420	61.	1
4-Chloroaniline	ND		ug/kg	190	49.	1
2-Nitroaniline	ND		ug/kg	190	52.	1
3-Nitroaniline	ND		ug/kg	190	51.	1
4-Nitroaniline	ND		ug/kg	190	50.	1
Dibenzofuran	300		ug/kg	190	62.	1
2-Methylnaphthalene	230		ug/kg	220	59.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	54.	1
2-Chlorophenol	ND		ug/kg	190	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	60.	1
2,4-Dimethylphenol	ND		ug/kg	190	55.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	890	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	55.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	270		ug/kg	190	40.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-04 RE

Date Collected: 07/11/13 13:10

Client ID: SB018 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	2	Q	25-120
Phenol-d6	27		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	0		0-136
4-Terphenyl-d14	103		18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-05 D2
 Client ID: SB018 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/23/13 14:12
 Analyst: JB
 Percent Solids: 85%

Date Collected: 07/11/13 13:15
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/22/13 08:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	24000		ug/kg	1200	360	10
Pyrene	22000		ug/kg	1200	380	10

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-05 D
 Client ID: SB018 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/23/13 01:37
 Analyst: JB
 Percent Solids: 85%

Date Collected: 07/11/13 13:15
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/22/13 08:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1200		ug/kg	310	80.	2
1,2,4-Trichlorobenzene	ND		ug/kg	390	130	2
Hexachlorobenzene	ND		ug/kg	230	72.	2
Bis(2-chloroethyl)ether	ND		ug/kg	350	110	2
2-Chloronaphthalene	ND		ug/kg	390	130	2
1,2-Dichlorobenzene	ND		ug/kg	390	130	2
1,3-Dichlorobenzene	ND		ug/kg	390	120	2
1,4-Dichlorobenzene	ND		ug/kg	390	120	2
3,3'-Dichlorobenzidine	ND		ug/kg	390	100	2
2,4-Dinitrotoluene	ND		ug/kg	390	84.	2
2,6-Dinitrotoluene	ND		ug/kg	390	99.	2
Fluoranthene	23000	E	ug/kg	230	71.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	390	120	2
4-Bromophenyl phenyl ether	ND		ug/kg	390	89.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	470	140	2
Bis(2-chloroethoxy)methane	ND		ug/kg	420	120	2
Hexachlorobutadiene	ND		ug/kg	390	110	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	250	2
Hexachloroethane	ND		ug/kg	310	71.	2
Isophorone	ND		ug/kg	350	100	2
Naphthalene	990		ug/kg	390	130	2
Nitrobenzene	ND		ug/kg	350	92.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	310	82.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	390	120	2
Bis(2-Ethylhexyl)phthalate	150	J	ug/kg	390	100	2
Butyl benzyl phthalate	ND		ug/kg	390	76.	2
Di-n-butylphthalate	ND		ug/kg	390	75.	2
Di-n-octylphthalate	ND		ug/kg	390	96.	2
Diethyl phthalate	ND		ug/kg	390	82.	2
Dimethyl phthalate	ND		ug/kg	390	99.	2
Benzo(a)anthracene	10000		ug/kg	230	76.	2

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-05 D
 Client ID: SB018 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Date Collected: 07/11/13 13:15
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	10000		ug/kg	310	95.	2
Benzo(b)fluoranthene	10000		ug/kg	230	78.	2
Benzo(k)fluoranthene	5300		ug/kg	230	74.	2
Chrysene	11000		ug/kg	230	76.	2
Acenaphthylene	1200		ug/kg	310	73.	2
Anthracene	3200		ug/kg	230	65.	2
Benzo(ghi)perylene	6900		ug/kg	310	81.	2
Fluorene	1000		ug/kg	390	110	2
Phenanthrene	15000		ug/kg	230	76.	2
Dibenzo(a,h)anthracene	1600		ug/kg	230	75.	2
Indeno(1,2,3-cd)Pyrene	6400		ug/kg	310	86.	2
Pyrene	21000	E	ug/kg	230	76.	2
Biphenyl	ND		ug/kg	890	130	2
4-Chloroaniline	ND		ug/kg	390	100	2
2-Nitroaniline	ND		ug/kg	390	110	2
3-Nitroaniline	ND		ug/kg	390	110	2
4-Nitroaniline	ND		ug/kg	390	100	2
Dibenzofuran	900		ug/kg	390	130	2
2-Methylnaphthalene	350	J	ug/kg	470	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	390	120	2
Acetophenone	ND		ug/kg	390	120	2
2,4,6-Trichlorophenol	ND		ug/kg	230	73.	2
P-Chloro-M-Cresol	ND		ug/kg	390	110	2
2-Chlorophenol	ND		ug/kg	390	120	2
2,4-Dichlorophenol	ND		ug/kg	350	120	2
2,4-Dimethylphenol	ND		ug/kg	390	120	2
2-Nitrophenol	ND		ug/kg	840	120	2
4-Nitrophenol	ND		ug/kg	540	120	2
2,4-Dinitrophenol	ND		ug/kg	1900	530	2
4,6-Dinitro-o-cresol	ND		ug/kg	1000	140	2
Pentachlorophenol	ND		ug/kg	310	83.	2
Phenol	ND		ug/kg	390	120	2
2-Methylphenol	ND		ug/kg	390	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	560	130	2
2,4,5-Trichlorophenol	ND		ug/kg	390	120	2
Benzoic Acid	ND		ug/kg	1200	390	2
Benzyl Alcohol	ND		ug/kg	390	120	2
Carbazole	1200		ug/kg	390	84.	2

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-05 D

Date Collected: 07/11/13 13:15

Client ID: SB018 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	56		0-136
4-Terphenyl-d14	77		18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-06
 Client ID: SB018 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/22/13 00:38
 Analyst: JB
 Percent Solids: 86%

Date Collected: 07/11/13 13:20
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 23:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	35	J	ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	ND		ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	82	J	ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	ND		ug/kg	110	37.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-06

Date Collected: 07/11/13 13:20

Client ID: SB018 (10-12')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1
Chrysene	ND		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	31.	1
Benzo(ghi)perylene	ND		ug/kg	150	39.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	ND		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	42.	1
Pyrene	ND		ug/kg	110	37.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	63.	1
2-Methylnaphthalene	ND		ug/kg	230	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	55.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	900	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	69.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	40.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-06

Date Collected: 07/11/13 13:20

Client ID: SB018 (10-12')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	62		0-136
4-Terphenyl-d14	74		18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-07
 Client ID: SB019 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/23/13 02:05
 Analyst: JB
 Percent Solids: 86%

Date Collected: 07/11/13 15:20
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/22/13 08:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	59	J	ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	110	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	580		ug/kg	190	49.	1
Fluoranthene	1100		ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	170	J	ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	3600		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	460		ug/kg	110	37.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-07

Date Collected: 07/11/13 15:20

Client ID: SB019 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	490		ug/kg	150	47.	1
Benzo(b)fluoranthene	600		ug/kg	110	39.	1
Benzo(k)fluoranthene	300		ug/kg	110	36.	1
Chrysene	620		ug/kg	110	38.	1
Acenaphthylene	72	J	ug/kg	150	36.	1
Anthracene	160		ug/kg	110	32.	1
Benzo(ghi)perylene	390		ug/kg	150	40.	1
Fluorene	55	J	ug/kg	190	55.	1
Phenanthrene	790		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	120		ug/kg	110	37.	1
Indeno(1,2,3-cd)Pyrene	410		ug/kg	150	42.	1
Pyrene	1000		ug/kg	110	37.	1
Biphenyl	ND		ug/kg	440	63.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	73	J	ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	410	60.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	75	J	ug/kg	190	41.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-07

Date Collected: 07/11/13 15:20

Client ID: SB019 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	11	Q	25-120
Phenol-d6	43		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	1		0-136
4-Terphenyl-d14	101		18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-08
 Client ID: SB019 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/22/13 01:32
 Analyst: JB
 Percent Solids: 80%

Date Collected: 07/11/13 15:25
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 23:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	67.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	66.	1
1,2-Dichlorobenzene	ND		ug/kg	200	67.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	ND		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	72.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	200	57.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	ND		ug/kg	200	68.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	61.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-08

Date Collected: 07/11/13 15:25

Client ID: SB019 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	41.	1
Benzo(k)fluoranthene	ND		ug/kg	120	39.	1
Chrysene	ND		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	58.	1
Phenanthrene	ND		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	45.	1
Pyrene	ND		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	460	67.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	57.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	ND		ug/kg	200	68.	1
2-Methylnaphthalene	ND		ug/kg	240	65.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	61.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	61.	1
2-Nitrophenol	ND		ug/kg	440	63.	1
4-Nitrophenol	ND		ug/kg	280	66.	1
2,4-Dinitrophenol	ND		ug/kg	980	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	74.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Benzoic Acid	ND		ug/kg	660	200	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	ND		ug/kg	200	44.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-08

Date Collected: 07/11/13 15:25

Client ID: SB019 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	65		0-136
4-Terphenyl-d14	83		18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-09 D2
Client ID: SB019 (10-12')
Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/23/13 14:38
Analyst: JB
Percent Solids: 86%

Date Collected: 07/11/13 15:30
Date Received: 07/12/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/13 08:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Methylnaphthalene	31000		ug/kg	2300	610	10

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-09 D
 Client ID: SB019 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/23/13 02:33
 Analyst: JB
 Percent Solids: 86%

Date Collected: 07/11/13 15:30
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/22/13 08:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1300		ug/kg	310	79.	2
1,2,4-Trichlorobenzene	ND		ug/kg	380	120	2
Hexachlorobenzene	ND		ug/kg	230	71.	2
Bis(2-chloroethyl)ether	ND		ug/kg	340	110	2
2-Chloronaphthalene	ND		ug/kg	380	120	2
1,2-Dichlorobenzene	ND		ug/kg	380	120	2
1,3-Dichlorobenzene	ND		ug/kg	380	120	2
1,4-Dichlorobenzene	ND		ug/kg	380	120	2
3,3'-Dichlorobenzidine	ND		ug/kg	380	100	2
2,4-Dinitrotoluene	ND		ug/kg	380	82.	2
2,6-Dinitrotoluene	ND		ug/kg	380	98.	2
Fluoranthene	ND		ug/kg	230	70.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	380	120	2
4-Bromophenyl phenyl ether	ND		ug/kg	380	88.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	460	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	410	120	2
Hexachlorobutadiene	ND		ug/kg	380	110	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	240	2
Hexachloroethane	ND		ug/kg	310	70.	2
Isophorone	ND		ug/kg	340	100	2
Naphthalene	2800		ug/kg	380	130	2
Nitrobenzene	ND		ug/kg	340	91.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	310	80.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	380	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	380	100	2
Butyl benzyl phthalate	ND		ug/kg	380	75.	2
Di-n-butylphthalate	ND		ug/kg	380	74.	2
Di-n-octylphthalate	ND		ug/kg	380	94.	2
Diethyl phthalate	ND		ug/kg	380	81.	2
Dimethyl phthalate	ND		ug/kg	380	97.	2
Benzo(a)anthracene	320		ug/kg	230	75.	2

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-09 D
 Client ID: SB019 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Date Collected: 07/11/13 15:30
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	160	J	ug/kg	310	94.	2
Benzo(b)fluoranthene	ND		ug/kg	230	77.	2
Benzo(k)fluoranthene	ND		ug/kg	230	73.	2
Chrysene	470		ug/kg	230	75.	2
Acenaphthylene	ND		ug/kg	310	72.	2
Anthracene	680		ug/kg	230	64.	2
Benzo(ghi)perylene	ND		ug/kg	310	80.	2
Fluorene	2300		ug/kg	380	110	2
Phenanthrene	4900		ug/kg	230	75.	2
Dibenzo(a,h)anthracene	ND		ug/kg	230	74.	2
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	310	85.	2
Pyrene	1200		ug/kg	230	74.	2
Biphenyl	ND		ug/kg	870	130	2
4-Chloroaniline	ND		ug/kg	380	100	2
2-Nitroaniline	ND		ug/kg	380	110	2
3-Nitroaniline	ND		ug/kg	380	100	2
4-Nitroaniline	ND		ug/kg	380	100	2
Dibenzofuran	ND		ug/kg	380	130	2
2-Methylnaphthalene	30000	E	ug/kg	460	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	380	120	2
Acetophenone	ND		ug/kg	380	120	2
2,4,6-Trichlorophenol	ND		ug/kg	230	72.	2
P-Chloro-M-Cresol	ND		ug/kg	380	110	2
2-Chlorophenol	ND		ug/kg	380	120	2
2,4-Dichlorophenol	ND		ug/kg	340	120	2
2,4-Dimethylphenol	ND		ug/kg	380	110	2
2-Nitrophenol	ND		ug/kg	830	120	2
4-Nitrophenol	ND		ug/kg	540	120	2
2,4-Dinitrophenol	ND		ug/kg	1800	520	2
4,6-Dinitro-o-cresol	ND		ug/kg	990	140	2
Pentachlorophenol	ND		ug/kg	310	82.	2
Phenol	ND		ug/kg	380	110	2
2-Methylphenol	ND		ug/kg	380	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	550	120	2
2,4,5-Trichlorophenol	ND		ug/kg	380	120	2
Benzoic Acid	ND		ug/kg	1200	390	2
Benzyl Alcohol	ND		ug/kg	380	120	2
Carbazole	ND		ug/kg	380	82.	2

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-09 D

Date Collected: 07/11/13 15:30

Client ID: SB019 (10-12')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	95		30-120
2,4,6-Tribromophenol	95		0-136
4-Terphenyl-d14	81		18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-10
 Client ID: SB020 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/22/13 02:26
 Analyst: JB
 Percent Solids: 90%

Date Collected: 07/11/13 11:45
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 23:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	72	J	ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	60.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	51.	1
2-Chloronaphthalene	ND		ug/kg	180	60.	1
1,2-Dichlorobenzene	ND		ug/kg	180	60.	1
1,3-Dichlorobenzene	ND		ug/kg	180	58.	1
1,4-Dichlorobenzene	ND		ug/kg	180	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	39.	1
2,6-Dinitrotoluene	ND		ug/kg	180	47.	1
Fluoranthene	850		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	56.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	64.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	55.	1
Hexachlorobutadiene	ND		ug/kg	180	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	120	1
Hexachloroethane	ND		ug/kg	150	33.	1
Isophorone	ND		ug/kg	160	49.	1
Naphthalene	66	J	ug/kg	180	61.	1
Nitrobenzene	ND		ug/kg	160	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	54.	1
Bis(2-Ethylhexyl)phthalate	150	J	ug/kg	180	48.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	45.	1
Diethyl phthalate	ND		ug/kg	180	39.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1
Benzo(a)anthracene	380		ug/kg	110	36.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-10

Date Collected: 07/11/13 11:45

Client ID: SB020 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	350		ug/kg	150	45.	1
Benzo(b)fluoranthene	470		ug/kg	110	37.	1
Benzo(k)fluoranthene	150		ug/kg	110	35.	1
Chrysene	440		ug/kg	110	36.	1
Acenaphthylene	40	J	ug/kg	150	34.	1
Anthracene	150		ug/kg	110	30.	1
Benzo(ghi)perylene	200		ug/kg	150	38.	1
Fluorene	65	J	ug/kg	180	52.	1
Phenanthrene	700		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	89	J	ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	260		ug/kg	150	40.	1
Pyrene	710		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	420	60.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	52.	1
3-Nitroaniline	ND		ug/kg	180	50.	1
4-Nitroaniline	ND		ug/kg	180	49.	1
Dibenzofuran	70	J	ug/kg	180	61.	1
2-Methylnaphthalene	72	J	ug/kg	220	58.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	57.	1
Acetophenone	ND		ug/kg	180	57.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	53.	1
2-Chlorophenol	ND		ug/kg	180	55.	1
2,4-Dichlorophenol	ND		ug/kg	160	59.	1
2,4-Dimethylphenol	ND		ug/kg	180	54.	1
2-Nitrophenol	ND		ug/kg	390	57.	1
4-Nitrophenol	ND		ug/kg	260	59.	1
2,4-Dinitrophenol	ND		ug/kg	880	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	67.	1
Pentachlorophenol	ND		ug/kg	150	39.	1
Phenol	ND		ug/kg	180	54.	1
2-Methylphenol	ND		ug/kg	180	59.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	60.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	59.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	72	J	ug/kg	180	39.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-10

Date Collected: 07/11/13 11:45

Client ID: SB020 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	15	Q	25-120
Phenol-d6	40		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	8		0-136
4-Terphenyl-d14	76		18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-11 D
 Client ID: SB020 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/22/13 02:53
 Analyst: JB
 Percent Solids: 94%

Date Collected: 07/11/13 12:00
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 23:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	2800	720	20
1,2,4-Trichlorobenzene	ND		ug/kg	3500	1100	20
Hexachlorobenzene	ND		ug/kg	2100	650	20
Bis(2-chloroethyl)ether	ND		ug/kg	3100	980	20
2-Chloronaphthalene	ND		ug/kg	3500	1100	20
1,2-Dichlorobenzene	ND		ug/kg	3500	1100	20
1,3-Dichlorobenzene	ND		ug/kg	3500	1100	20
1,4-Dichlorobenzene	ND		ug/kg	3500	1100	20
3,3'-Dichlorobenzidine	ND		ug/kg	3500	930	20
2,4-Dinitrotoluene	ND		ug/kg	3500	760	20
2,6-Dinitrotoluene	ND		ug/kg	3500	900	20
Fluoranthene	ND		ug/kg	2100	640	20
4-Chlorophenyl phenyl ether	ND		ug/kg	3500	1100	20
4-Bromophenyl phenyl ether	ND		ug/kg	3500	800	20
Bis(2-chloroisopropyl)ether	ND		ug/kg	4200	1200	20
Bis(2-chloroethoxy)methane	ND		ug/kg	3800	1000	20
Hexachlorobutadiene	ND		ug/kg	3500	990	20
Hexachlorocyclopentadiene	ND		ug/kg	10000	2200	20
Hexachloroethane	ND		ug/kg	2800	640	20
Isophorone	ND		ug/kg	3100	930	20
Naphthalene	ND		ug/kg	3500	1200	20
Nitrobenzene	ND		ug/kg	3100	830	20
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	2800	730	20
n-Nitrosodi-n-propylamine	ND		ug/kg	3500	1000	20
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	3500	920	20
Butyl benzyl phthalate	ND		ug/kg	3500	680	20
Di-n-butylphthalate	ND		ug/kg	3500	680	20
Di-n-octylphthalate	ND		ug/kg	3500	860	20
Diethyl phthalate	ND		ug/kg	3500	740	20
Dimethyl phthalate	ND		ug/kg	3500	890	20
Benzo(a)anthracene	ND		ug/kg	2100	680	20

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-11 D
 Client ID: SB020 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Date Collected: 07/11/13 12:00
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	2800	860	20
Benzo(b)fluoranthene	ND		ug/kg	2100	710	20
Benzo(k)fluoranthene	ND		ug/kg	2100	670	20
Chrysene	ND		ug/kg	2100	690	20
Acenaphthylene	ND		ug/kg	2800	650	20
Anthracene	ND		ug/kg	2100	580	20
Benzo(ghi)perylene	ND		ug/kg	2800	730	20
Fluorene	ND		ug/kg	3500	1000	20
Phenanthrene	ND		ug/kg	2100	680	20
Dibenzo(a,h)anthracene	ND		ug/kg	2100	680	20
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	2800	780	20
Pyrene	ND		ug/kg	2100	680	20
Biphenyl	ND		ug/kg	8000	1200	20
4-Chloroaniline	ND		ug/kg	3500	920	20
2-Nitroaniline	ND		ug/kg	3500	990	20
3-Nitroaniline	ND		ug/kg	3500	960	20
4-Nitroaniline	ND		ug/kg	3500	940	20
Dibenzofuran	ND		ug/kg	3500	1200	20
2-Methylnaphthalene	ND		ug/kg	4200	1100	20
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	3500	1100	20
Acetophenone	ND		ug/kg	3500	1100	20
2,4,6-Trichlorophenol	ND		ug/kg	2100	660	20
P-Chloro-M-Cresol	ND		ug/kg	3500	1000	20
2-Chlorophenol	ND		ug/kg	3500	1000	20
2,4-Dichlorophenol	ND		ug/kg	3100	1100	20
2,4-Dimethylphenol	ND		ug/kg	3500	1000	20
2-Nitrophenol	ND		ug/kg	7600	1100	20
4-Nitrophenol	ND		ug/kg	4900	1100	20
2,4-Dinitrophenol	ND		ug/kg	17000	4800	20
4,6-Dinitro-o-cresol	ND		ug/kg	9100	1300	20
Pentachlorophenol	ND		ug/kg	2800	750	20
Phenol	ND		ug/kg	3500	1000	20
2-Methylphenol	ND		ug/kg	3500	1100	20
3-Methylphenol/4-Methylphenol	ND		ug/kg	5000	1100	20
2,4,5-Trichlorophenol	ND		ug/kg	3500	1100	20
Benzoic Acid	ND		ug/kg	11000	3500	20
Benzyl Alcohol	ND		ug/kg	3500	1100	20
Carbazole	ND		ug/kg	3500	750	20

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-11 D

Date Collected: 07/11/13 12:00

Client ID: SB020 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	25-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	30-120
2,4,6-Tribromophenol	0		0-136
4-Terphenyl-d14	0	Q	18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-12
 Client ID: SB020 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/22/13 03:20
 Analyst: JB
 Percent Solids: 81%

Date Collected: 07/11/13 12:15
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 23:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	65.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	56.	1
2-Chloronaphthalene	ND		ug/kg	200	65.	1
1,2-Dichlorobenzene	ND		ug/kg	200	65.	1
1,3-Dichlorobenzene	ND		ug/kg	200	63.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	51.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	70.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	60.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	53.	1
Naphthalene	ND		ug/kg	200	66.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	59.	1
Bis(2-Ethylhexyl)phthalate	97	J	ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	49.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	ND		ug/kg	120	39.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-12

Date Collected: 07/11/13 12:15

Client ID: SB020 (10-12')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	38.	1
Chrysene	ND		ug/kg	120	39.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	ND		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	57.	1
Phenanthrene	ND		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	44.	1
Pyrene	ND		ug/kg	120	39.	1
Biphenyl	ND		ug/kg	450	66.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	55.	1
4-Nitroaniline	ND		ug/kg	200	54.	1
Dibenzofuran	ND		ug/kg	200	66.	1
2-Methylnaphthalene	ND		ug/kg	240	63.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	62.	1
Acetophenone	ND		ug/kg	200	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	58.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	59.	1
2-Nitrophenol	ND		ug/kg	430	62.	1
4-Nitrophenol	ND		ug/kg	280	64.	1
2,4-Dinitrophenol	ND		ug/kg	950	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	73.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	59.	1
2-Methylphenol	ND		ug/kg	200	64.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	65.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	43.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-12

Date Collected: 07/11/13 12:15

Client ID: SB020 (10-12')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	72		0-136
4-Terphenyl-d14	75		18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-13
 Client ID: SB021 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/22/13 03:47
 Analyst: JB
 Percent Solids: 88%

Date Collected: 07/11/13 12:40
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 23:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	56	J	ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	61.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	180	60.	1
1,2-Dichlorobenzene	ND		ug/kg	180	61.	1
1,3-Dichlorobenzene	ND		ug/kg	180	58.	1
1,4-Dichlorobenzene	ND		ug/kg	180	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	40.	1
2,6-Dinitrotoluene	ND		ug/kg	180	47.	1
Fluoranthene	940		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	56.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	65.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	180	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	53	J	ug/kg	170	49.	1
Naphthalene	260		ug/kg	180	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	55.	1
Bis(2-Ethylhexyl)phthalate	480		ug/kg	180	48.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	36.	1
Di-n-octylphthalate	ND		ug/kg	180	46.	1
Diethyl phthalate	ND		ug/kg	180	39.	1
Dimethyl phthalate	ND		ug/kg	180	47.	1
Benzo(a)anthracene	510		ug/kg	110	36.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-13

Date Collected: 07/11/13 12:40

Client ID: SB021 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	530		ug/kg	150	45.	1
Benzo(b)fluoranthene	1100		ug/kg	110	37.	1
Benzo(k)fluoranthene	360		ug/kg	110	35.	1
Chrysene	1200		ug/kg	110	36.	1
Acenaphthylene	130	J	ug/kg	150	35.	1
Anthracene	1500		ug/kg	110	31.	1
Benzo(ghi)perylene	430		ug/kg	150	38.	1
Fluorene	130	J	ug/kg	180	53.	1
Phenanthrene	1100		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	190		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	510		ug/kg	150	41.	1
Pyrene	800		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	420	61.	1
4-Chloroaniline	ND		ug/kg	180	49.	1
2-Nitroaniline	ND		ug/kg	180	52.	1
3-Nitroaniline	ND		ug/kg	180	51.	1
4-Nitroaniline	ND		ug/kg	180	50.	1
Dibenzofuran	240		ug/kg	180	62.	1
2-Methylnaphthalene	190	J	ug/kg	220	59.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	57.	1
Acetophenone	67	J	ug/kg	180	57.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	180	54.	1
2-Chlorophenol	ND		ug/kg	180	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	60.	1
2,4-Dimethylphenol	ND		ug/kg	180	55.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	890	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	55.	1
2-Methylphenol	ND		ug/kg	180	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	150	J	ug/kg	180	40.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-13

Date Collected: 07/11/13 12:40

Client ID: SB021 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	5	Q	25-120
Phenol-d6	29		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	10		0-136
4-Terphenyl-d14	82		18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-13 RE/D
 Client ID: SB021 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/23/13 03:01
 Analyst: JB
 Percent Solids: 88%

Date Collected: 07/11/13 12:40
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/22/13 08:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	530		ug/kg	300	78.	2
1,2,4-Trichlorobenzene	ND		ug/kg	380	120	2
Hexachlorobenzene	ND		ug/kg	230	70.	2
Bis(2-chloroethyl)ether	ND		ug/kg	340	100	2
2-Chloronaphthalene	ND		ug/kg	380	120	2
1,2-Dichlorobenzene	ND		ug/kg	380	120	2
1,3-Dichlorobenzene	ND		ug/kg	380	120	2
1,4-Dichlorobenzene	ND		ug/kg	380	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	380	100	2
2,4-Dinitrotoluene	ND		ug/kg	380	81.	2
2,6-Dinitrotoluene	ND		ug/kg	380	96.	2
Fluoranthene	9600		ug/kg	230	69.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	380	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	380	87.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	450	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	410	110	2
Hexachlorobutadiene	ND		ug/kg	380	110	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	240	2
Hexachloroethane	ND		ug/kg	300	68.	2
Isophorone	ND		ug/kg	340	100	2
Naphthalene	830		ug/kg	380	120	2
Nitrobenzene	ND		ug/kg	340	90.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	300	79.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	380	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	380	99.	2
Butyl benzyl phthalate	ND		ug/kg	380	74.	2
Di-n-butylphthalate	ND		ug/kg	380	73.	2
Di-n-octylphthalate	ND		ug/kg	380	93.	2
Diethyl phthalate	ND		ug/kg	380	80.	2
Dimethyl phthalate	ND		ug/kg	380	96.	2
Benzo(a)anthracene	4300		ug/kg	230	74.	2

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-13 RE/D
 Client ID: SB021 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Date Collected: 07/11/13 12:40
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3800		ug/kg	300	92.	2
Benzo(b)fluoranthene	4900		ug/kg	230	76.	2
Benzo(k)fluoranthene	2500		ug/kg	230	72.	2
Chrysene	5000		ug/kg	230	74.	2
Acenaphthylene	380		ug/kg	300	70.	2
Anthracene	2200		ug/kg	230	63.	2
Benzo(ghi)perylene	2500		ug/kg	300	78.	2
Fluorene	750		ug/kg	380	110	2
Phenanthrene	7200		ug/kg	230	74.	2
Dibenzo(a,h)anthracene	530		ug/kg	230	73.	2
Indeno(1,2,3-cd)Pyrene	2600		ug/kg	300	84.	2
Pyrene	8100		ug/kg	230	73.	2
Biphenyl	150	J	ug/kg	860	120	2
4-Chloroaniline	ND		ug/kg	380	100	2
2-Nitroaniline	ND		ug/kg	380	110	2
3-Nitroaniline	ND		ug/kg	380	100	2
4-Nitroaniline	ND		ug/kg	380	100	2
Dibenzofuran	ND		ug/kg	380	120	2
2-Methylnaphthalene	470		ug/kg	450	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	380	120	2
Acetophenone	ND		ug/kg	380	120	2
2,4,6-Trichlorophenol	ND		ug/kg	230	71.	2
P-Chloro-M-Cresol	ND		ug/kg	380	110	2
2-Chlorophenol	ND		ug/kg	380	110	2
2,4-Dichlorophenol	ND		ug/kg	340	120	2
2,4-Dimethylphenol	ND		ug/kg	380	110	2
2-Nitrophenol	ND		ug/kg	810	120	2
4-Nitrophenol	ND		ug/kg	530	120	2
2,4-Dinitrophenol	ND		ug/kg	1800	520	2
4,6-Dinitro-o-cresol	ND		ug/kg	980	140	2
Pentachlorophenol	ND		ug/kg	300	81.	2
Phenol	ND		ug/kg	380	110	2
2-Methylphenol	ND		ug/kg	380	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	540	120	2
2,4,5-Trichlorophenol	ND		ug/kg	380	120	2
Benzoic Acid	ND		ug/kg	1200	380	2
Benzyl Alcohol	ND		ug/kg	380	120	2
Carbazole	620		ug/kg	380	81.	2

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-13 RE/D

Date Collected: 07/11/13 12:40

Client ID: SB021 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	1	Q	25-120
Phenol-d6	9	Q	10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	1		0-136
4-Terphenyl-d14	89		18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-14 D2
 Client ID: SB021 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/23/13 14:56
 Analyst: JB
 Percent Solids: 60%

Date Collected: 07/11/13 12:45
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/18/13 18:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	380000		ug/kg	16000	5000	100
Pyrene	350000		ug/kg	16000	5300	100

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-14 D
 Client ID: SB021 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/20/13 21:27
 Analyst: JB
 Percent Solids: 60%

Date Collected: 07/11/13 12:45
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/18/13 18:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	2800	J	ug/kg	4400	1100	20
1,2,4-Trichlorobenzene	ND		ug/kg	5500	1800	20
Hexachlorobenzene	ND		ug/kg	3300	1000	20
Bis(2-chloroethyl)ether	ND		ug/kg	4900	1500	20
2-Chloronaphthalene	ND		ug/kg	5500	1800	20
1,2-Dichlorobenzene	ND		ug/kg	5500	1800	20
1,3-Dichlorobenzene	ND		ug/kg	5500	1700	20
1,4-Dichlorobenzene	ND		ug/kg	5500	1700	20
3,3'-Dichlorobenzidine	ND		ug/kg	5500	1400	20
2,4-Dinitrotoluene	ND		ug/kg	5500	1200	20
2,6-Dinitrotoluene	ND		ug/kg	5500	1400	20
Fluoranthene	390000	E	ug/kg	3300	1000	20
4-Chlorophenyl phenyl ether	ND		ug/kg	5500	1700	20
4-Bromophenyl phenyl ether	ND		ug/kg	5500	1200	20
Bis(2-chloroisopropyl)ether	ND		ug/kg	6600	1900	20
Bis(2-chloroethoxy)methane	ND		ug/kg	5900	1600	20
Hexachlorobutadiene	ND		ug/kg	5500	1500	20
Hexachlorocyclopentadiene	ND		ug/kg	16000	3500	20
Hexachloroethane	ND		ug/kg	4400	1000	20
Isophorone	ND		ug/kg	4900	1400	20
Naphthalene	14000		ug/kg	5500	1800	20
Nitrobenzene	ND		ug/kg	4900	1300	20
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	4400	1100	20
n-Nitrosodi-n-propylamine	ND		ug/kg	5500	1600	20
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	5500	1400	20
Butyl benzyl phthalate	ND		ug/kg	5500	1100	20
Di-n-butylphthalate	ND		ug/kg	5500	1000	20
Di-n-octylphthalate	ND		ug/kg	5500	1300	20
Diethyl phthalate	ND		ug/kg	5500	1200	20
Dimethyl phthalate	ND		ug/kg	5500	1400	20
Benzo(a)anthracene	140000		ug/kg	3300	1100	20

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-14 D
 Client ID: SB021 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Date Collected: 07/11/13 12:45
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	150000		ug/kg	4400	1300	20
Benzo(b)fluoranthene	150000		ug/kg	3300	1100	20
Benzo(k)fluoranthene	58000		ug/kg	3300	1000	20
Chrysene	140000		ug/kg	3300	1100	20
Acenaphthylene	34000		ug/kg	4400	1000	20
Anthracene	56000		ug/kg	3300	910	20
Benzo(ghi)perylene	100000		ug/kg	4400	1100	20
Fluorene	7100		ug/kg	5500	1600	20
Phenanthrene	210000		ug/kg	3300	1100	20
Dibenzo(a,h)anthracene	21000		ug/kg	3300	1000	20
Indeno(1,2,3-cd)Pyrene	94000		ug/kg	4400	1200	20
Pyrene	350000	E	ug/kg	3300	1100	20
Biphenyl	ND		ug/kg	12000	1800	20
4-Chloroaniline	ND		ug/kg	5500	1400	20
2-Nitroaniline	ND		ug/kg	5500	1500	20
3-Nitroaniline	ND		ug/kg	5500	1500	20
4-Nitroaniline	ND		ug/kg	5500	1500	20
Dibenzofuran	8300		ug/kg	5500	1800	20
2-Methylnaphthalene	2100	J	ug/kg	6600	1700	20
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	5500	1700	20
Acetophenone	ND		ug/kg	5500	1700	20
2,4,6-Trichlorophenol	ND		ug/kg	3300	1000	20
P-Chloro-M-Cresol	ND		ug/kg	5500	1600	20
2-Chlorophenol	ND		ug/kg	5500	1600	20
2,4-Dichlorophenol	ND		ug/kg	4900	1800	20
2,4-Dimethylphenol	ND		ug/kg	5500	1600	20
2-Nitrophenol	ND		ug/kg	12000	1700	20
4-Nitrophenol	ND		ug/kg	7700	1800	20
2,4-Dinitrophenol	ND		ug/kg	26000	7500	20
4,6-Dinitro-o-cresol	ND		ug/kg	14000	2000	20
Pentachlorophenol	ND		ug/kg	4400	1200	20
Phenol	ND		ug/kg	5500	1600	20
2-Methylphenol	ND		ug/kg	5500	1800	20
3-Methylphenol/4-Methylphenol	ND		ug/kg	7900	1800	20
2,4,5-Trichlorophenol	ND		ug/kg	5500	1800	20
Benzoic Acid	ND		ug/kg	18000	5500	20
Benzyl Alcohol	ND		ug/kg	5500	1700	20
Carbazole	6600		ug/kg	5500	1200	20

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-14 D

Date Collected: 07/11/13 12:45

Client ID: SB021 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	25-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	30-120
2,4,6-Tribromophenol	0		0-136
4-Terphenyl-d14	0	Q	18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-15
 Client ID: SB021 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/22/13 04:41
 Analyst: JB
 Percent Solids: 86%

Date Collected: 07/11/13 12:50
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 23:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	59	J	ug/kg	150	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	ND		ug/kg	120	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	ND		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-15
 Client ID: SB021 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Date Collected: 07/11/13 12:50
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	ND		ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	55.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	37.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	43.	1
Pyrene	ND		ug/kg	120	37.	1
Biphenyl	ND		ug/kg	440	63.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	410	60.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	41.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-15

Date Collected: 07/11/13 12:50

Client ID: SB021 (10-12')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	54		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	70		0-136
4-Terphenyl-d14	76		18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-16
 Client ID: SB022 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/22/13 13:16
 Analyst: RC
 Percent Solids: 92%

Date Collected: 07/11/13 13:55
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/16/13 01:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	270	J	ug/kg	290	74.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	210	67.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	95.	2
2,4-Dinitrotoluene	ND		ug/kg	360	77.	2
2,6-Dinitrotoluene	ND		ug/kg	360	92.	2
Fluoranthene	3600		ug/kg	210	66.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	82.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	290	65.	2
Isophorone	ND		ug/kg	320	95.	2
Naphthalene	250	J	ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	320	85.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	75.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	360	94.	2
Butyl benzyl phthalate	ND		ug/kg	360	70.	2
Di-n-butylphthalate	ND		ug/kg	360	69.	2
Di-n-octylphthalate	ND		ug/kg	360	88.	2
Diethyl phthalate	ND		ug/kg	360	76.	2
Dimethyl phthalate	ND		ug/kg	360	91.	2
Benzo(a)anthracene	1600		ug/kg	210	70.	2

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-16

Date Collected: 07/11/13 13:55

Client ID: SB022 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	1400		ug/kg	290	88.	2
Benzo(b)fluoranthene	2100		ug/kg	210	72.	2
Benzo(k)fluoranthene	460		ug/kg	210	68.	2
Chrysene	2100		ug/kg	210	70.	2
Acenaphthylene	82	J	ug/kg	290	67.	2
Anthracene	510		ug/kg	210	60.	2
Benzo(ghi)perylene	1000		ug/kg	290	74.	2
Fluorene	180	J	ug/kg	360	100	2
Phenanthrene	3100		ug/kg	210	70.	2
Dibenzo(a,h)anthracene	300		ug/kg	210	69.	2
Indeno(1,2,3-cd)Pyrene	990		ug/kg	290	80.	2
Pyrene	3700		ug/kg	210	70.	2
Biphenyl	ND		ug/kg	820	120	2
4-Chloroaniline	ND		ug/kg	360	94.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	99.	2
4-Nitroaniline	ND		ug/kg	360	97.	2
Dibenzofuran	170	J	ug/kg	360	120	2
2-Methylnaphthalene	150	J	ug/kg	430	110	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	210	68.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	320	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	770	110	2
4-Nitrophenol	ND		ug/kg	500	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	490	2
4,6-Dinitro-o-cresol	ND		ug/kg	930	130	2
Pentachlorophenol	ND		ug/kg	290	77.	2
Phenol	ND		ug/kg	360	110	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	360	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	210	J	ug/kg	360	77.	2

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-16

Date Collected: 07/11/13 13:55

Client ID: SB022 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	12	Q	25-120
Phenol-d6	41		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	5		0-136
4-Terphenyl-d14	63		18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-17
 Client ID: SB022 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/22/13 13:44
 Analyst: RC
 Percent Solids: 88%

Date Collected: 07/11/13 14:00
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/16/13 01:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	300	77.	2
1,2,4-Trichlorobenzene	ND		ug/kg	370	120	2
Hexachlorobenzene	ND		ug/kg	220	70.	2
Bis(2-chloroethyl)ether	ND		ug/kg	340	100	2
2-Chloronaphthalene	ND		ug/kg	370	120	2
1,2-Dichlorobenzene	ND		ug/kg	370	120	2
1,3-Dichlorobenzene	140	J	ug/kg	370	120	2
1,4-Dichlorobenzene	ND		ug/kg	370	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	370	99.	2
2,4-Dinitrotoluene	ND		ug/kg	370	81.	2
2,6-Dinitrotoluene	ND		ug/kg	370	96.	2
Fluoranthene	980		ug/kg	220	69.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	370	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	370	86.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	450	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	400	110	2
Hexachlorobutadiene	ND		ug/kg	370	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	240	2
Hexachloroethane	ND		ug/kg	300	68.	2
Isophorone	ND		ug/kg	340	99.	2
Naphthalene	510		ug/kg	370	120	2
Nitrobenzene	ND		ug/kg	340	89.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	300	78.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	370	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	370	98.	2
Butyl benzyl phthalate	ND		ug/kg	370	73.	2
Di-n-butylphthalate	ND		ug/kg	370	72.	2
Di-n-octylphthalate	ND		ug/kg	370	92.	2
Diethyl phthalate	ND		ug/kg	370	79.	2
Dimethyl phthalate	ND		ug/kg	370	95.	2
Benzo(a)anthracene	540		ug/kg	220	73.	2

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-17

Date Collected: 07/11/13 14:00

Client ID: SB022 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	390		ug/kg	300	91.	2
Benzo(b)fluoranthene	800		ug/kg	220	75.	2
Benzo(k)fluoranthene	280		ug/kg	220	71.	2
Chrysene	980		ug/kg	220	73.	2
Acenaphthylene	ND		ug/kg	300	70.	2
Anthracene	130	J	ug/kg	220	62.	2
Benzo(ghi)perylene	380		ug/kg	300	78.	2
Fluorene	ND		ug/kg	370	110	2
Phenanthrene	660		ug/kg	220	73.	2
Dibenzo(a,h)anthracene	200	J	ug/kg	220	72.	2
Indeno(1,2,3-cd)Pyrene	440		ug/kg	300	83.	2
Pyrene	950		ug/kg	220	73.	2
Biphenyl	ND		ug/kg	850	120	2
4-Chloroaniline	ND		ug/kg	370	99.	2
2-Nitroaniline	ND		ug/kg	370	100	2
3-Nitroaniline	ND		ug/kg	370	100	2
4-Nitroaniline	ND		ug/kg	370	100	2
Dibenzofuran	ND		ug/kg	370	120	2
2-Methylnaphthalene	370	J	ug/kg	450	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	370	120	2
Acetophenone	ND		ug/kg	370	120	2
2,4,6-Trichlorophenol	ND		ug/kg	220	70.	2
P-Chloro-M-Cresol	ND		ug/kg	370	110	2
2-Chlorophenol	ND		ug/kg	370	110	2
2,4-Dichlorophenol	ND		ug/kg	340	120	2
2,4-Dimethylphenol	ND		ug/kg	370	110	2
2-Nitrophenol	ND		ug/kg	810	120	2
4-Nitrophenol	ND		ug/kg	520	120	2
2,4-Dinitrophenol	ND		ug/kg	1800	510	2
4,6-Dinitro-o-cresol	ND		ug/kg	970	140	2
Pentachlorophenol	ND		ug/kg	300	80.	2
Phenol	ND		ug/kg	370	110	2
2-Methylphenol	ND		ug/kg	370	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	540	120	2
2,4,5-Trichlorophenol	ND		ug/kg	370	120	2
Benzoic Acid	ND		ug/kg	1200	380	2
Benzyl Alcohol	ND		ug/kg	370	120	2
Carbazole	ND		ug/kg	370	80.	2

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-17

Date Collected: 07/11/13 14:00

Client ID: SB022 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	20	Q	25-120
Phenol-d6	43		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	9		0-136
4-Terphenyl-d14	70		18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-18
 Client ID: SB022 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/22/13 14:13
 Analyst: RC
 Percent Solids: 78%

Date Collected: 07/11/13 14:05
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/16/13 01:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	44.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	70.	1
Hexachlorobenzene	ND		ug/kg	130	40.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	60.	1
2-Chloronaphthalene	ND		ug/kg	210	70.	1
1,2-Dichlorobenzene	ND		ug/kg	210	70.	1
1,3-Dichlorobenzene	ND		ug/kg	210	67.	1
1,4-Dichlorobenzene	ND		ug/kg	210	65.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	57.	1
2,4-Dinitrotoluene	ND		ug/kg	210	46.	1
2,6-Dinitrotoluene	ND		ug/kg	210	55.	1
Fluoranthene	ND		ug/kg	130	39.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	65.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	49.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	75.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	65.	1
Hexachlorobutadiene	ND		ug/kg	210	60.	1
Hexachlorocyclopentadiene	ND		ug/kg	610	140	1
Hexachloroethane	ND		ug/kg	170	39.	1
Isophorone	ND		ug/kg	190	57.	1
Naphthalene	ND		ug/kg	210	71.	1
Nitrobenzene	ND		ug/kg	190	51.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	170	45.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	64.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	56.	1
Butyl benzyl phthalate	ND		ug/kg	210	42.	1
Di-n-butylphthalate	ND		ug/kg	210	41.	1
Di-n-octylphthalate	ND		ug/kg	210	52.	1
Diethyl phthalate	ND		ug/kg	210	45.	1
Dimethyl phthalate	ND		ug/kg	210	54.	1
Benzo(a)anthracene	ND		ug/kg	130	42.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-18

Date Collected: 07/11/13 14:05

Client ID: SB022 (10-12')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	170	52.	1
Benzo(b)fluoranthene	ND		ug/kg	130	43.	1
Benzo(k)fluoranthene	ND		ug/kg	130	41.	1
Chrysene	ND		ug/kg	130	42.	1
Acenaphthylene	ND		ug/kg	170	40.	1
Anthracene	ND		ug/kg	130	36.	1
Benzo(ghi)perylene	ND		ug/kg	170	44.	1
Fluorene	ND		ug/kg	210	61.	1
Phenanthrene	ND		ug/kg	130	42.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	41.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	170	47.	1
Pyrene	ND		ug/kg	130	42.	1
Biphenyl	ND		ug/kg	490	70.	1
4-Chloroaniline	ND		ug/kg	210	56.	1
2-Nitroaniline	ND		ug/kg	210	60.	1
3-Nitroaniline	ND		ug/kg	210	59.	1
4-Nitroaniline	ND		ug/kg	210	58.	1
Dibenzofuran	ND		ug/kg	210	71.	1
2-Methylnaphthalene	ND		ug/kg	260	68.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	66.	1
Acetophenone	ND		ug/kg	210	66.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
P-Chloro-M-Cresol	ND		ug/kg	210	62.	1
2-Chlorophenol	ND		ug/kg	210	64.	1
2,4-Dichlorophenol	ND		ug/kg	190	69.	1
2,4-Dimethylphenol	ND		ug/kg	210	64.	1
2-Nitrophenol	ND		ug/kg	460	67.	1
4-Nitrophenol	ND		ug/kg	300	69.	1
2,4-Dinitrophenol	ND		ug/kg	1000	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	78.	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	63.	1
2-Methylphenol	ND		ug/kg	210	69.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	70.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	69.	1
Benzoic Acid	ND		ug/kg	690	220	1
Benzyl Alcohol	ND		ug/kg	210	66.	1
Carbazole	ND		ug/kg	210	46.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-18

Date Collected: 07/11/13 14:05

Client ID: SB022 (10-12')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	75		0-136
4-Terphenyl-d14	57		18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-19
 Client ID: SOIL_DUP_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/22/13 14:40
 Analyst: RC
 Percent Solids: 87%

Date Collected: 07/11/13 00:00
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/16/13 01:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	92	J	ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	ND		ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	62	J	ug/kg	110	37.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-19

Date Collected: 07/11/13 00:00

Client ID: SOIL_DUP_001

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	53	J	ug/kg	150	47.	1
Benzo(b)fluoranthene	94	J	ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1
Chrysene	53	J	ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	ND		ug/kg	110	32.	1
Benzo(ghi)perylene	47	J	ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	55.	1
Phenanthrene	59	J	ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	37.	1
Indeno(1,2,3-cd)Pyrene	86	J	ug/kg	150	42.	1
Pyrene	86	J	ug/kg	110	37.	1
Biphenyl	ND		ug/kg	430	63.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	55.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	41.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-19

Date Collected: 07/11/13 00:00

Client ID: SOIL_DUP_001

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	76		0-136
4-Terphenyl-d14	44		18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-20
 Client ID: EQUIP_BLANK_SOIL_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 07/20/13 00:17
 Analyst: HL

Date Collected: 07/11/13 09:25
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/14/13 12:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	1.7	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-20
 Client ID: EQUIP_BLANK_SOIL_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Date Collected: 07/11/13 09:25
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	107		23-120
2-Fluorobiphenyl	106		15-120
2,4,6-Tribromophenol	112		10-120
4-Terphenyl-d14	107		41-149

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-20
 Client ID: EQUIP_BLANK_SOIL_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 07/17/13 02:40
 Analyst: HL

Date Collected: 07/11/13 09:25
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/14/13 12:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	90		41-149

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-21
 Client ID: SB020 (GW)
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 07/20/13 00:48
 Analyst: HL

Date Collected: 07/11/13 12:20
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/14/13 12:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-21

Date Collected: 07/11/13 12:20

Client ID: SB020 (GW)

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	113		23-120
2-Fluorobiphenyl	110		15-120
2,4,6-Tribromophenol	112		10-120
4-Terphenyl-d14	104		41-149

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-21
 Client ID: SB020 (GW)
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 07/17/13 03:09
 Analyst: HL

Date Collected: 07/11/13 12:20
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/14/13 12:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.50		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.26		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.36		ug/l	0.20	0.06	1
Benzo(a)pyrene	0.71		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	1.5		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	0.51		ug/l	0.20	0.07	1
Chrysene	0.39		ug/l	0.20	0.05	1
Acenaphthylene	0.18	J	ug/l	0.20	0.05	1
Anthracene	0.12	J	ug/l	0.20	0.06	1
Benzo(ghi)perylene	1.6		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	0.18	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	0.30		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	1.5		ug/l	0.20	0.08	1
Pyrene	0.57		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	95		41-149

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-22
Client ID: SB021 (GW)
Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/20/13 01:17
Analyst: HL

Date Collected: 07/11/13 13:00
Date Received: 07/12/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 07/14/13 12:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-22

Date Collected: 07/11/13 13:00

Client ID: SB021 (GW)

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	119		23-120
2-Fluorobiphenyl	115		15-120
2,4,6-Tribromophenol	112		10-120
4-Terphenyl-d14	111		41-149

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-22
 Client ID: SB021 (GW)
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 07/17/13 03:39
 Analyst: HL

Date Collected: 07/11/13 13:00
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/14/13 12:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.09	J	ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.32		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.34		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.25		ug/l	0.20	0.06	1
Benzo(a)pyrene	0.61		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	0.84		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	0.34		ug/l	0.20	0.07	1
Chrysene	0.28		ug/l	0.20	0.05	1
Acenaphthylene	0.10	J	ug/l	0.20	0.05	1
Anthracene	0.09	J	ug/l	0.20	0.06	1
Benzo(ghi)perylene	0.74		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	0.17	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	0.18	J	ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	0.79		ug/l	0.20	0.08	1
Pyrene	0.40		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.06	J	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	107		23-120
2-Fluorobiphenyl	93		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	98		41-149

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-23
 Client ID: SB022 (GW)
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 07/20/13 01:46
 Analyst: HL

Date Collected: 07/11/13 14:40
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/14/13 12:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-23

Date Collected: 07/11/13 14:40

Client ID: SB022 (GW)

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	106		15-120
2,4,6-Tribromophenol	122	Q	10-120
4-Terphenyl-d14	105		41-149

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-23
 Client ID: SB022 (GW)
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 07/17/13 04:08
 Analyst: HL

Date Collected: 07/11/13 14:40
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/14/13 12:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.06	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.09	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	0.26		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	0.07	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	95		41-149

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-24
 Client ID: GW_DUP_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 07/20/13 02:16
 Analyst: HL

Date Collected: 07/11/13 00:00
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/14/13 12:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-24

Date Collected: 07/11/13 00:00

Client ID: GW_DUP_001

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	111		23-120
2-Fluorobiphenyl	113		15-120
2,4,6-Tribromophenol	96		10-120
4-Terphenyl-d14	116		41-149

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-24
 Client ID: GW_DUP_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 07/17/13 04:38
 Analyst: HL

Date Collected: 07/11/13 00:00
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/14/13 12:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.08	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.22		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.06	J	ug/l	0.20	0.06	1
Benzo(a)pyrene	0.15	J	ug/l	0.20	0.07	1
Benzo(b)fluoranthene	0.16	J	ug/l	0.20	0.07	1
Benzo(k)fluoranthene	0.07	J	ug/l	0.20	0.07	1
Chrysene	0.06	J	ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	0.10	J	ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	0.21		ug/l	0.20	0.08	1
Pyrene	0.09	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	95		41-149

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-25
 Client ID: EQUIP_BLANK_GW_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 07/20/13 02:46
 Analyst: HL

Date Collected: 07/11/13 08:30
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/14/13 12:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-25

Date Collected: 07/11/13 08:30

Client ID: EQUIP_BLANK_GW_001

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	117		23-120
2-Fluorobiphenyl	113		15-120
2,4,6-Tribromophenol	114		10-120
4-Terphenyl-d14	110		41-149

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-25
 Client ID: EQUIP_BLANK_GW_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 07/17/13 05:08
 Analyst: HL

Date Collected: 07/11/13 08:30
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/14/13 12:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.07	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	90		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	87		41-149

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-27
 Client ID: SB023 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/22/13 15:08
 Analyst: RC
 Percent Solids: 81%

Date Collected: 07/11/13 08:50
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/16/13 01:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	67.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	66.	1
1,2-Dichlorobenzene	ND		ug/kg	200	67.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	250		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	72.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	200	57.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	ND		ug/kg	200	68.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	61.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1
Benzo(a)anthracene	130		ug/kg	120	40.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-27

Date Collected: 07/11/13 08:50

Client ID: SB023 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	110	J	ug/kg	160	50.	1
Benzo(b)fluoranthene	170		ug/kg	120	41.	1
Benzo(k)fluoranthene	50	J	ug/kg	120	39.	1
Chrysene	140		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	93	J	ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	58.	1
Phenanthrene	110	J	ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	130	J	ug/kg	160	45.	1
Pyrene	260		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	460	67.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	57.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	ND		ug/kg	200	68.	1
2-Methylnaphthalene	ND		ug/kg	240	65.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	61.	1
2-Nitrophenol	ND		ug/kg	440	64.	1
4-Nitrophenol	ND		ug/kg	280	66.	1
2,4-Dinitrophenol	ND		ug/kg	980	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	74.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Benzoic Acid	ND		ug/kg	660	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	ND		ug/kg	200	44.	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-27

Date Collected: 07/11/13 08:50

Client ID: SB023 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	11	Q	25-120
Phenol-d6	47		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	1		0-136
4-Terphenyl-d14	50		18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-28 D2
 Client ID: FD002
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/23/13 15:07
 Analyst: RC
 Percent Solids: 80%

Date Collected: 07/11/13 09:40
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/16/13 01:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	180000		ug/kg	6100	1900	50
Phenanthrene	160000		ug/kg	6100	2000	50
Pyrene	140000		ug/kg	6100	2000	50

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-28 D
 Client ID: FD002
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/22/13 13:01
 Analyst: RC
 Percent Solids: 80%

Date Collected: 07/11/13 09:40
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/16/13 01:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	23000		ug/kg	1600	420	10
1,2,4-Trichlorobenzene	ND		ug/kg	2000	660	10
Hexachlorobenzene	ND		ug/kg	1200	380	10
Bis(2-chloroethyl)ether	ND		ug/kg	1800	570	10
2-Chloronaphthalene	ND		ug/kg	2000	660	10
1,2-Dichlorobenzene	ND		ug/kg	2000	670	10
1,3-Dichlorobenzene	ND		ug/kg	2000	640	10
1,4-Dichlorobenzene	ND		ug/kg	2000	620	10
3,3'-Dichlorobenzidine	ND		ug/kg	2000	540	10
2,4-Dinitrotoluene	ND		ug/kg	2000	440	10
2,6-Dinitrotoluene	ND		ug/kg	2000	520	10
Fluoranthene	160000	E	ug/kg	1200	370	10
4-Chlorophenyl phenyl ether	ND		ug/kg	2000	620	10
4-Bromophenyl phenyl ether	ND		ug/kg	2000	470	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2400	720	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2200	620	10
Hexachlorobutadiene	ND		ug/kg	2000	570	10
Hexachlorocyclopentadiene	ND		ug/kg	5800	1300	10
Hexachloroethane	ND		ug/kg	1600	370	10
Isophorone	ND		ug/kg	1800	540	10
Naphthalene	16000		ug/kg	2000	670	10
Nitrobenzene	ND		ug/kg	1800	480	10
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1600	430	10
n-Nitrosodi-n-propylamine	ND		ug/kg	2000	600	10
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	2000	530	10
Butyl benzyl phthalate	ND		ug/kg	2000	400	10
Di-n-butylphthalate	ND		ug/kg	2000	390	10
Di-n-octylphthalate	ND		ug/kg	2000	500	10
Diethyl phthalate	ND		ug/kg	2000	430	10
Dimethyl phthalate	ND		ug/kg	2000	520	10
Benzo(a)anthracene	68000		ug/kg	1200	400	10

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-28 D
 Client ID: FD002
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Date Collected: 07/11/13 09:40
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	59000		ug/kg	1600	500	10
Benzo(b)fluoranthene	78000		ug/kg	1200	410	10
Benzo(k)fluoranthene	28000		ug/kg	1200	390	10
Chrysene	64000		ug/kg	1200	400	10
Acenaphthylene	1600		ug/kg	1600	380	10
Anthracene	41000		ug/kg	1200	340	10
Benzo(ghi)perylene	31000		ug/kg	1600	420	10
Fluorene	23000		ug/kg	2000	580	10
Phenanthrene	140000	E	ug/kg	1200	400	10
Dibenzo(a,h)anthracene	9000		ug/kg	1200	390	10
Indeno(1,2,3-cd)Pyrene	30000		ug/kg	1600	450	10
Pyrene	130000	E	ug/kg	1200	390	10
Biphenyl	1700	J	ug/kg	4600	670	10
4-Chloroaniline	ND		ug/kg	2000	540	10
2-Nitroaniline	ND		ug/kg	2000	570	10
3-Nitroaniline	ND		ug/kg	2000	560	10
4-Nitroaniline	ND		ug/kg	2000	550	10
Dibenzofuran	14000		ug/kg	2000	680	10
2-Methylnaphthalene	5700		ug/kg	2400	650	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	2000	630	10
Acetophenone	ND		ug/kg	2000	630	10
2,4,6-Trichlorophenol	ND		ug/kg	1200	380	10
P-Chloro-M-Cresol	ND		ug/kg	2000	590	10
2-Chlorophenol	ND		ug/kg	2000	610	10
2,4-Dichlorophenol	ND		ug/kg	1800	660	10
2,4-Dimethylphenol	ND		ug/kg	2000	600	10
2-Nitrophenol	ND		ug/kg	4400	630	10
4-Nitrophenol	ND		ug/kg	2800	660	10
2,4-Dinitrophenol	ND		ug/kg	9800	2800	10
4,6-Dinitro-o-cresol	ND		ug/kg	5300	740	10
Pentachlorophenol	ND		ug/kg	1600	430	10
Phenol	ND		ug/kg	2000	600	10
2-Methylphenol	ND		ug/kg	2000	650	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2900	670	10
2,4,5-Trichlorophenol	ND		ug/kg	2000	660	10
Benzoic Acid	ND		ug/kg	6600	2000	10
Benzyl Alcohol	ND		ug/kg	2000	620	10
Carbazole	21000		ug/kg	2000	440	10

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-28 D

Date Collected: 07/11/13 09:40

Client ID: FD002

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		25-120
Phenol-d6	43		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	58		0-136
4-Terphenyl-d14	59		18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-29 D
 Client ID: FD005
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/23/13 14:42
 Analyst: RC
 Percent Solids: 87%

Date Collected: 07/11/13 09:50
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/16/13 01:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	53000		ug/kg	15000	3800	100
1,2,4-Trichlorobenzene	ND		ug/kg	19000	6100	100
Hexachlorobenzene	ND		ug/kg	11000	3500	100
Bis(2-chloroethyl)ether	ND		ug/kg	17000	5200	100
2-Chloronaphthalene	ND		ug/kg	19000	6100	100
1,2-Dichlorobenzene	ND		ug/kg	19000	6100	100
1,3-Dichlorobenzene	ND		ug/kg	19000	5900	100
1,4-Dichlorobenzene	ND		ug/kg	19000	5700	100
3,3'-Dichlorobenzidine	ND		ug/kg	19000	5000	100
2,4-Dinitrotoluene	ND		ug/kg	19000	4000	100
2,6-Dinitrotoluene	ND		ug/kg	19000	4800	100
Fluoranthene	340000		ug/kg	11000	3400	100
4-Chlorophenyl phenyl ether	ND		ug/kg	19000	5700	100
4-Bromophenyl phenyl ether	ND		ug/kg	19000	4300	100
Bis(2-chloroisopropyl)ether	ND		ug/kg	22000	6600	100
Bis(2-chloroethoxy)methane	ND		ug/kg	20000	5600	100
Hexachlorobutadiene	ND		ug/kg	19000	5300	100
Hexachlorocyclopentadiene	ND		ug/kg	54000	12000	100
Hexachloroethane	ND		ug/kg	15000	3400	100
Isophorone	ND		ug/kg	17000	5000	100
Naphthalene	48000		ug/kg	19000	6200	100
Nitrobenzene	ND		ug/kg	17000	4400	100
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	15000	3900	100
n-Nitrosodi-n-propylamine	ND		ug/kg	19000	5600	100
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	19000	4900	100
Butyl benzyl phthalate	ND		ug/kg	19000	3600	100
Di-n-butylphthalate	ND		ug/kg	19000	3600	100
Di-n-octylphthalate	ND		ug/kg	19000	4600	100
Diethyl phthalate	ND		ug/kg	19000	3900	100
Dimethyl phthalate	ND		ug/kg	19000	4700	100
Benzo(a)anthracene	150000		ug/kg	11000	3600	100

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-29 D
 Client ID: FD005
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Date Collected: 07/11/13 09:50
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	130000		ug/kg	15000	4600	100
Benzo(b)fluoranthene	170000		ug/kg	11000	3800	100
Benzo(k)fluoranthene	64000		ug/kg	11000	3600	100
Chrysene	140000		ug/kg	11000	3700	100
Acenaphthylene	ND		ug/kg	15000	3500	100
Anthracene	89000		ug/kg	11000	3100	100
Benzo(ghi)perylene	67000		ug/kg	15000	3900	100
Fluorene	49000		ug/kg	19000	5300	100
Phenanthrene	320000		ug/kg	11000	3600	100
Dibenzo(a,h)anthracene	20000		ug/kg	11000	3600	100
Indeno(1,2,3-cd)Pyrene	62000		ug/kg	15000	4100	100
Pyrene	270000		ug/kg	11000	3600	100
Biphenyl	ND		ug/kg	42000	6200	100
4-Chloroaniline	ND		ug/kg	19000	4900	100
2-Nitroaniline	ND		ug/kg	19000	5300	100
3-Nitroaniline	ND		ug/kg	19000	5200	100
4-Nitroaniline	ND		ug/kg	19000	5000	100
Dibenzofuran	34000		ug/kg	19000	6200	100
2-Methylnaphthalene	18000	J	ug/kg	22000	6000	100
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	19000	5800	100
Acetophenone	ND		ug/kg	19000	5800	100
2,4,6-Trichlorophenol	ND		ug/kg	11000	3500	100
P-Chloro-M-Cresol	ND		ug/kg	19000	5400	100
2-Chlorophenol	ND		ug/kg	19000	5600	100
2,4-Dichlorophenol	ND		ug/kg	17000	6000	100
2,4-Dimethylphenol	ND		ug/kg	19000	5600	100
2-Nitrophenol	ND		ug/kg	40000	5800	100
4-Nitrophenol	ND		ug/kg	26000	6000	100
2,4-Dinitrophenol	ND		ug/kg	90000	26000	100
4,6-Dinitro-o-cresol	ND		ug/kg	48000	6800	100
Pentachlorophenol	ND		ug/kg	15000	4000	100
Phenol	ND		ug/kg	19000	5500	100
2-Methylphenol	ND		ug/kg	19000	6000	100
3-Methylphenol/4-Methylphenol	ND		ug/kg	27000	6100	100
2,4,5-Trichlorophenol	ND		ug/kg	19000	6000	100
Benzoic Acid	ND		ug/kg	60000	19000	100
Benzyl Alcohol	ND		ug/kg	19000	5700	100
Carbazole	ND		ug/kg	19000	4000	100

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-29 D

Date Collected: 07/11/13 09:50

Client ID: FD005

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	25-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	30-120
2,4,6-Tribromophenol	0		0-136
4-Terphenyl-d14	0	Q	18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-30 D
 Client ID: FD007
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/22/13 14:14
 Analyst: RC
 Percent Solids: 84%

Date Collected: 07/11/13 09:20
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/16/13 01:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	26000		ug/kg	6200	1600	40
1,2,4-Trichlorobenzene	ND		ug/kg	7700	2500	40
Hexachlorobenzene	ND		ug/kg	4600	1400	40
Bis(2-chloroethyl)ether	ND		ug/kg	6900	2200	40
2-Chloronaphthalene	ND		ug/kg	7700	2500	40
1,2-Dichlorobenzene	ND		ug/kg	7700	2500	40
1,3-Dichlorobenzene	ND		ug/kg	7700	2400	40
1,4-Dichlorobenzene	ND		ug/kg	7700	2300	40
3,3'-Dichlorobenzidine	ND		ug/kg	7700	2000	40
2,4-Dinitrotoluene	ND		ug/kg	7700	1600	40
2,6-Dinitrotoluene	ND		ug/kg	7700	2000	40
Fluoranthene	270000		ug/kg	4600	1400	40
4-Chlorophenyl phenyl ether	ND		ug/kg	7700	2300	40
4-Bromophenyl phenyl ether	ND		ug/kg	7700	1800	40
Bis(2-chloroisopropyl)ether	ND		ug/kg	9200	2700	40
Bis(2-chloroethoxy)methane	ND		ug/kg	8300	2300	40
Hexachlorobutadiene	ND		ug/kg	7700	2200	40
Hexachlorocyclopentadiene	ND		ug/kg	22000	4900	40
Hexachloroethane	ND		ug/kg	6200	1400	40
Isophorone	ND		ug/kg	6900	2000	40
Naphthalene	15000		ug/kg	7700	2600	40
Nitrobenzene	ND		ug/kg	6900	1800	40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	6200	1600	40
n-Nitrosodi-n-propylamine	ND		ug/kg	7700	2300	40
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	7700	2000	40
Butyl benzyl phthalate	ND		ug/kg	7700	1500	40
Di-n-butylphthalate	ND		ug/kg	7700	1500	40
Di-n-octylphthalate	ND		ug/kg	7700	1900	40
Diethyl phthalate	ND		ug/kg	7700	1600	40
Dimethyl phthalate	ND		ug/kg	7700	2000	40
Benzo(a)anthracene	120000		ug/kg	4600	1500	40

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-30 D
 Client ID: FD007
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Date Collected: 07/11/13 09:20
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	100000		ug/kg	6200	1900	40
Benzo(b)fluoranthene	130000		ug/kg	4600	1600	40
Benzo(k)fluoranthene	68000		ug/kg	4600	1500	40
Chrysene	110000		ug/kg	4600	1500	40
Acenaphthylene	8600		ug/kg	6200	1400	40
Anthracene	54000		ug/kg	4600	1300	40
Benzo(ghi)perylene	57000		ug/kg	6200	1600	40
Fluorene	26000		ug/kg	7700	2200	40
Phenanthrene	180000		ug/kg	4600	1500	40
Dibenzo(a,h)anthracene	16000		ug/kg	4600	1500	40
Indeno(1,2,3-cd)Pyrene	54000		ug/kg	6200	1700	40
Pyrene	220000		ug/kg	4600	1500	40
Biphenyl	ND		ug/kg	18000	2500	40
4-Chloroaniline	ND		ug/kg	7700	2000	40
2-Nitroaniline	ND		ug/kg	7700	2200	40
3-Nitroaniline	ND		ug/kg	7700	2100	40
4-Nitroaniline	ND		ug/kg	7700	2100	40
Dibenzofuran	16000		ug/kg	7700	2600	40
2-Methylnaphthalene	6300	J	ug/kg	9200	2400	40
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	7700	2400	40
Acetophenone	ND		ug/kg	7700	2400	40
2,4,6-Trichlorophenol	ND		ug/kg	4600	1400	40
P-Chloro-M-Cresol	ND		ug/kg	7700	2200	40
2-Chlorophenol	ND		ug/kg	7700	2300	40
2,4-Dichlorophenol	ND		ug/kg	6900	2500	40
2,4-Dimethylphenol	ND		ug/kg	7700	2300	40
2-Nitrophenol	ND		ug/kg	17000	2400	40
4-Nitrophenol	ND		ug/kg	11000	2500	40
2,4-Dinitrophenol	ND		ug/kg	37000	10000	40
4,6-Dinitro-o-cresol	ND		ug/kg	20000	2800	40
Pentachlorophenol	ND		ug/kg	6200	1600	40
Phenol	ND		ug/kg	7700	2300	40
2-Methylphenol	ND		ug/kg	7700	2500	40
3-Methylphenol/4-Methylphenol	ND		ug/kg	11000	2500	40
2,4,5-Trichlorophenol	ND		ug/kg	7700	2500	40
Benzoic Acid	ND		ug/kg	25000	7800	40
Benzyl Alcohol	ND		ug/kg	7700	2400	40
Carbazole	28000		ug/kg	7700	1600	40

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-30 D

Date Collected: 07/11/13 09:20

Client ID: FD007

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	25-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	30-120
2,4,6-Tribromophenol	0		0-136
4-Terphenyl-d14	0	Q	18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-31
 Client ID: FD009
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/22/13 14:40
 Analyst: RC
 Percent Solids: 54%

Date Collected: 07/11/13 10:00
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/16/13 01:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	790		ug/kg	490	130	2
1,2,4-Trichlorobenzene	ND		ug/kg	620	200	2
Hexachlorobenzene	ND		ug/kg	370	120	2
Bis(2-chloroethyl)ether	ND		ug/kg	560	170	2
2-Chloronaphthalene	ND		ug/kg	620	200	2
1,2-Dichlorobenzene	ND		ug/kg	620	200	2
1,3-Dichlorobenzene	ND		ug/kg	620	190	2
1,4-Dichlorobenzene	ND		ug/kg	620	190	2
3,3'-Dichlorobenzidine	ND		ug/kg	620	160	2
2,4-Dinitrotoluene	ND		ug/kg	620	130	2
2,6-Dinitrotoluene	ND		ug/kg	620	160	2
Fluoranthene	7300		ug/kg	370	110	2
4-Chlorophenyl phenyl ether	ND		ug/kg	620	190	2
4-Bromophenyl phenyl ether	ND		ug/kg	620	140	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	740	220	2
Bis(2-chloroethoxy)methane	ND		ug/kg	670	190	2
Hexachlorobutadiene	ND		ug/kg	620	170	2
Hexachlorocyclopentadiene	ND		ug/kg	1800	400	2
Hexachloroethane	ND		ug/kg	490	110	2
Isophorone	ND		ug/kg	560	160	2
Naphthalene	410	J	ug/kg	620	200	2
Nitrobenzene	ND		ug/kg	560	150	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	490	130	2
n-Nitrosodi-n-propylamine	ND		ug/kg	620	180	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	620	160	2
Butyl benzyl phthalate	ND		ug/kg	620	120	2
Di-n-butylphthalate	ND		ug/kg	620	120	2
Di-n-octylphthalate	ND		ug/kg	620	150	2
Diethyl phthalate	ND		ug/kg	620	130	2
Dimethyl phthalate	ND		ug/kg	620	160	2
Benzo(a)anthracene	3300		ug/kg	370	120	2

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-31

Date Collected: 07/11/13 10:00

Client ID: FD009

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	2900		ug/kg	490	150	2
Benzo(b)fluoranthene	3800		ug/kg	370	120	2
Benzo(k)fluoranthene	1700		ug/kg	370	120	2
Chrysene	3200		ug/kg	370	120	2
Acenaphthylene	140	J	ug/kg	490	120	2
Anthracene	1900		ug/kg	370	100	2
Benzo(ghi)perylene	1700		ug/kg	490	130	2
Fluorene	780		ug/kg	620	180	2
Phenanthrene	5600		ug/kg	370	120	2
Dibenzo(a,h)anthracene	500		ug/kg	370	120	2
Indeno(1,2,3-cd)Pyrene	1500		ug/kg	490	140	2
Pyrene	5900		ug/kg	370	120	2
Biphenyl	ND		ug/kg	1400	200	2
4-Chloroaniline	ND		ug/kg	620	160	2
2-Nitroaniline	ND		ug/kg	620	170	2
3-Nitroaniline	ND		ug/kg	620	170	2
4-Nitroaniline	ND		ug/kg	620	170	2
Dibenzofuran	440	J	ug/kg	620	200	2
2-Methylnaphthalene	ND		ug/kg	740	200	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	620	190	2
Acetophenone	ND		ug/kg	620	190	2
2,4,6-Trichlorophenol	ND		ug/kg	370	120	2
P-Chloro-M-Cresol	ND		ug/kg	620	180	2
2-Chlorophenol	ND		ug/kg	620	190	2
2,4-Dichlorophenol	ND		ug/kg	560	200	2
2,4-Dimethylphenol	ND		ug/kg	620	180	2
2-Nitrophenol	ND		ug/kg	1300	190	2
4-Nitrophenol	ND		ug/kg	860	200	2
2,4-Dinitrophenol	ND		ug/kg	3000	840	2
4,6-Dinitro-o-cresol	ND		ug/kg	1600	220	2
Pentachlorophenol	ND		ug/kg	490	130	2
Phenol	ND		ug/kg	620	180	2
2-Methylphenol	ND		ug/kg	620	200	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	890	200	2
2,4,5-Trichlorophenol	ND		ug/kg	620	200	2
Benzoic Acid	ND		ug/kg	2000	620	2
Benzyl Alcohol	ND		ug/kg	620	190	2
Carbazole	910		ug/kg	620	130	2

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-31

Date Collected: 07/11/13 10:00

Client ID: FD009

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	46		30-120
2,4,6-Tribromophenol	64		0-136
4-Terphenyl-d14	30		18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-32 D
 Client ID: FD015
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/22/13 15:04
 Analyst: RC
 Percent Solids: 66%

Date Collected: 07/11/13 09:00
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/16/13 01:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1600	J	ug/kg	2000	510	10
1,2,4-Trichlorobenzene	ND		ug/kg	2500	820	10
Hexachlorobenzene	ND		ug/kg	1500	460	10
Bis(2-chloroethyl)ether	ND		ug/kg	2200	700	10
2-Chloronaphthalene	ND		ug/kg	2500	810	10
1,2-Dichlorobenzene	ND		ug/kg	2500	820	10
1,3-Dichlorobenzene	ND		ug/kg	2500	780	10
1,4-Dichlorobenzene	ND		ug/kg	2500	760	10
3,3'-Dichlorobenzidine	ND		ug/kg	2500	660	10
2,4-Dinitrotoluene	ND		ug/kg	2500	540	10
2,6-Dinitrotoluene	ND		ug/kg	2500	640	10
Fluoranthene	12000		ug/kg	1500	460	10
4-Chlorophenyl phenyl ether	ND		ug/kg	2500	760	10
4-Bromophenyl phenyl ether	ND		ug/kg	2500	570	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	3000	880	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2700	750	10
Hexachlorobutadiene	ND		ug/kg	2500	700	10
Hexachlorocyclopentadiene	ND		ug/kg	7100	1600	10
Hexachloroethane	ND		ug/kg	2000	450	10
Isophorone	ND		ug/kg	2200	660	10
Naphthalene	1400	J	ug/kg	2500	830	10
Nitrobenzene	ND		ug/kg	2200	590	10
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	2000	520	10
n-Nitrosodi-n-propylamine	ND		ug/kg	2500	740	10
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	2500	650	10
Butyl benzyl phthalate	ND		ug/kg	2500	490	10
Di-n-butylphthalate	ND		ug/kg	2500	480	10
Di-n-octylphthalate	ND		ug/kg	2500	610	10
Diethyl phthalate	ND		ug/kg	2500	530	10
Dimethyl phthalate	ND		ug/kg	2500	630	10
Benzo(a)anthracene	5100		ug/kg	1500	490	10

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-32 D
 Client ID: FD015
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Date Collected: 07/11/13 09:00
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	4000		ug/kg	2000	610	10
Benzo(b)fluoranthene	5100		ug/kg	1500	500	10
Benzo(k)fluoranthene	2900		ug/kg	1500	480	10
Chrysene	4600		ug/kg	1500	490	10
Acenaphthylene	ND		ug/kg	2000	460	10
Anthracene	3100		ug/kg	1500	410	10
Benzo(ghi)perylene	2600		ug/kg	2000	520	10
Fluorene	1700	J	ug/kg	2500	710	10
Phenanthrene	11000		ug/kg	1500	490	10
Dibenzo(a,h)anthracene	630	J	ug/kg	1500	480	10
Indeno(1,2,3-cd)Pyrene	2200		ug/kg	2000	550	10
Pyrene	9200		ug/kg	1500	480	10
Biphenyl	ND		ug/kg	5700	820	10
4-Chloroaniline	ND		ug/kg	2500	660	10
2-Nitroaniline	ND		ug/kg	2500	700	10
3-Nitroaniline	ND		ug/kg	2500	690	10
4-Nitroaniline	ND		ug/kg	2500	670	10
Dibenzofuran	1100	J	ug/kg	2500	830	10
2-Methylnaphthalene	ND		ug/kg	3000	800	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	2500	770	10
Acetophenone	ND		ug/kg	2500	770	10
2,4,6-Trichlorophenol	ND		ug/kg	1500	470	10
P-Chloro-M-Cresol	ND		ug/kg	2500	720	10
2-Chlorophenol	ND		ug/kg	2500	750	10
2,4-Dichlorophenol	ND		ug/kg	2200	810	10
2,4-Dimethylphenol	ND		ug/kg	2500	740	10
2-Nitrophenol	ND		ug/kg	5400	780	10
4-Nitrophenol	ND		ug/kg	3500	810	10
2,4-Dinitrophenol	ND		ug/kg	12000	3400	10
4,6-Dinitro-o-cresol	ND		ug/kg	6500	910	10
Pentachlorophenol	ND		ug/kg	2000	530	10
Phenol	ND		ug/kg	2500	740	10
2-Methylphenol	ND		ug/kg	2500	800	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	3600	820	10
2,4,5-Trichlorophenol	ND		ug/kg	2500	810	10
Benzoic Acid	ND		ug/kg	8100	2500	10
Benzyl Alcohol	ND		ug/kg	2500	770	10
Carbazole	1600	J	ug/kg	2500	540	10

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-32 D

Date Collected: 07/11/13 09:00

Client ID: FD015

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		25-120
Phenol-d6	39		10-120
Nitrobenzene-d5	39		23-120
2-Fluorobiphenyl	41		30-120
2,4,6-Tribromophenol	40		0-136
4-Terphenyl-d14	36		18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-33 D
 Client ID: FD_DUP_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/22/13 15:29
 Analyst: RC
 Percent Solids: 82%

Date Collected: 07/11/13 00:00
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/16/13 02:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	29000		ug/kg	6500	1700	40
1,2,4-Trichlorobenzene	ND		ug/kg	8200	2700	40
Hexachlorobenzene	ND		ug/kg	4900	1500	40
Bis(2-chloroethyl)ether	ND		ug/kg	7300	2300	40
2-Chloronaphthalene	ND		ug/kg	8200	2600	40
1,2-Dichlorobenzene	ND		ug/kg	8200	2700	40
1,3-Dichlorobenzene	ND		ug/kg	8200	2600	40
1,4-Dichlorobenzene	ND		ug/kg	8200	2500	40
3,3'-Dichlorobenzidine	ND		ug/kg	8200	2200	40
2,4-Dinitrotoluene	ND		ug/kg	8200	1800	40
2,6-Dinitrotoluene	ND		ug/kg	8200	2100	40
Fluoranthene	320000		ug/kg	4900	1500	40
4-Chlorophenyl phenyl ether	ND		ug/kg	8200	2500	40
4-Bromophenyl phenyl ether	ND		ug/kg	8200	1900	40
Bis(2-chloroisopropyl)ether	ND		ug/kg	9800	2900	40
Bis(2-chloroethoxy)methane	ND		ug/kg	8800	2500	40
Hexachlorobutadiene	ND		ug/kg	8200	2300	40
Hexachlorocyclopentadiene	ND		ug/kg	23000	5200	40
Hexachloroethane	ND		ug/kg	6500	1500	40
Isophorone	ND		ug/kg	7300	2200	40
Naphthalene	16000		ug/kg	8200	2700	40
Nitrobenzene	ND		ug/kg	7300	1900	40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	6500	1700	40
n-Nitrosodi-n-propylamine	ND		ug/kg	8200	2400	40
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	8200	2100	40
Butyl benzyl phthalate	ND		ug/kg	8200	1600	40
Di-n-butylphthalate	ND		ug/kg	8200	1600	40
Di-n-octylphthalate	ND		ug/kg	8200	2000	40
Diethyl phthalate	ND		ug/kg	8200	1700	40
Dimethyl phthalate	ND		ug/kg	8200	2100	40
Benzo(a)anthracene	140000		ug/kg	4900	1600	40

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-33 D
 Client ID: FD_DUP_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Date Collected: 07/11/13 00:00
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	120000		ug/kg	6500	2000	40
Benzo(b)fluoranthene	160000		ug/kg	4900	1600	40
Benzo(k)fluoranthene	73000		ug/kg	4900	1600	40
Chrysene	140000		ug/kg	4900	1600	40
Acenaphthylene	8400		ug/kg	6500	1500	40
Anthracene	69000		ug/kg	4900	1400	40
Benzo(ghi)perylene	69000		ug/kg	6500	1700	40
Fluorene	28000		ug/kg	8200	2300	40
Phenanthrene	210000		ug/kg	4900	1600	40
Dibenzo(a,h)anthracene	18000		ug/kg	4900	1600	40
Indeno(1,2,3-cd)Pyrene	65000		ug/kg	6500	1800	40
Pyrene	270000		ug/kg	4900	1600	40
Biphenyl	ND		ug/kg	19000	2700	40
4-Chloroaniline	ND		ug/kg	8200	2200	40
2-Nitroaniline	ND		ug/kg	8200	2300	40
3-Nitroaniline	ND		ug/kg	8200	2200	40
4-Nitroaniline	ND		ug/kg	8200	2200	40
Dibenzofuran	18000		ug/kg	8200	2700	40
2-Methylnaphthalene	6200	J	ug/kg	9800	2600	40
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	8200	2500	40
Acetophenone	ND		ug/kg	8200	2500	40
2,4,6-Trichlorophenol	ND		ug/kg	4900	1500	40
P-Chloro-M-Cresol	ND		ug/kg	8200	2400	40
2-Chlorophenol	ND		ug/kg	8200	2500	40
2,4-Dichlorophenol	ND		ug/kg	7300	2600	40
2,4-Dimethylphenol	ND		ug/kg	8200	2400	40
2-Nitrophenol	ND		ug/kg	18000	2500	40
4-Nitrophenol	ND		ug/kg	11000	2600	40
2,4-Dinitrophenol	ND		ug/kg	39000	11000	40
4,6-Dinitro-o-cresol	ND		ug/kg	21000	3000	40
Pentachlorophenol	ND		ug/kg	6500	1700	40
Phenol	ND		ug/kg	8200	2400	40
2-Methylphenol	ND		ug/kg	8200	2600	40
3-Methylphenol/4-Methylphenol	ND		ug/kg	12000	2700	40
2,4,5-Trichlorophenol	ND		ug/kg	8200	2600	40
Benzoic Acid	ND		ug/kg	26000	8200	40
Benzyl Alcohol	ND		ug/kg	8200	2500	40
Carbazole	30000		ug/kg	8200	1800	40

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-33 D

Date Collected: 07/11/13 00:00

Client ID: FD_DUP_001

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	25-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	30-120
2,4,6-Tribromophenol	0		0-136
4-Terphenyl-d14	0	Q	18-120

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-34
Client ID: EQUIP_BLANK_FD_001
Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/20/13 03:17
Analyst: HL

Date Collected: 07/11/13 10:45
Date Received: 07/12/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 07/14/13 12:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-34

Date Collected: 07/11/13 10:45

Client ID: EQUIP_BLANK_FD_001

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	105		15-120
2,4,6-Tribromophenol	103		10-120
4-Terphenyl-d14	106		41-149

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-34
 Client ID: EQUIP_BLANK_FD_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 07/17/13 05:37
 Analyst: HL

Date Collected: 07/11/13 10:45
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/14/13 12:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	82		41-149

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/19/13 18:46
 Analyst: HL

Extraction Method: EPA 3510C
 Extraction Date: 07/14/13 12:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 20-25,34 Batch: WG621521-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40
Hexachlorocyclopentadiene	ND		ug/l	20	2.1
Isophorone	ND		ug/l	5.0	0.35
Nitrobenzene	ND		ug/l	2.0	0.50
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	0.46
Di-n-butylphthalate	ND		ug/l	5.0	0.54
Di-n-octylphthalate	ND		ug/l	5.0	0.53
Diethyl phthalate	ND		ug/l	5.0	0.45
Dimethyl phthalate	ND		ug/l	5.0	0.45
Biphenyl	ND		ug/l	2.0	0.50
4-Chloroaniline	ND		ug/l	5.0	0.83
2-Nitroaniline	ND		ug/l	5.0	0.40
3-Nitroaniline	ND		ug/l	5.0	0.59
4-Nitroaniline	ND		ug/l	5.0	0.55
Dibenzofuran	ND		ug/l	2.0	0.47
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65
Acetophenone	ND		ug/l	5.0	0.55



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/19/13 18:46
 Analyst: HL

Extraction Method: EPA 3510C
 Extraction Date: 07/14/13 12:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 20-25,34 Batch: WG621521-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50
2-Chlorophenol	ND		ug/l	2.0	0.34
2,4-Dichlorophenol	ND		ug/l	5.0	0.43
2,4-Dimethylphenol	ND		ug/l	5.0	1.2
2-Nitrophenol	ND		ug/l	10	0.48
4-Nitrophenol	ND		ug/l	10	1.2
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59
Phenol	ND		ug/l	5.0	0.26
2-Methylphenol	ND		ug/l	5.0	0.53
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.53

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		21-120
Phenol-d6	57		10-120
Nitrobenzene-d5	117		23-120
2-Fluorobiphenyl	118		15-120
2,4,6-Tribromophenol	124	Q	10-120
4-Terphenyl-d14	115		41-149

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 07/16/13 16:10
 Analyst: HL

Extraction Method: EPA 3510C
 Extraction Date: 07/14/13 12:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 20-25,34 Batch: WG621522-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	0.16	J	ug/l	0.50	0.07
Naphthalene	0.09	J	ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	0.08	J	ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	0.18	J	ug/l	0.80	0.07

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 07/16/13 16:10
 Analyst: HL

Extraction Method: EPA 3510C
 Extraction Date: 07/14/13 12:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 20-25,34 Batch: WG621522-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	118		23-120
2-Fluorobiphenyl	107		15-120
2,4,6-Tribromophenol	108		10-120
4-Terphenyl-d14	92		41-149

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/21/13 18:45
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 07/15/13 23:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,06,08,10-12,15 Batch: WG621794-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	100	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	100	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/21/13 18:45
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 07/15/13 23:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,06,08,10-12,15 Batch: WG621794-1					
Benzo(a)anthracene	ND		ug/kg	100	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	33.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	48.
Phenanthrene	ND		ug/kg	100	32.
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	100	32.
Biphenyl	ND		ug/kg	380	55.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	800	230

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/21/13 18:45
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 07/15/13 23:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,06,08,10-12,15 Batch: WG621794-1					
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	49		0-136
4-Terphenyl-d14	74		18-120

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/22/13 11:53
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 07/16/13 01:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 16-19,27-33 Batch: WG621800-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/22/13 11:53
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 07/16/13 01:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 16-19,27-33 Batch: WG621800-1					
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	31.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/22/13 11:53
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 07/16/13 01:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 16-19,27-33 Batch: WG621800-1					
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	57		0-136
4-Terphenyl-d14	65		18-120

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/20/13 12:09
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 07/18/13 18:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 14 Batch: WG622705-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	98	32.

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/20/13 12:09
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 07/18/13 18:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 14 Batch: WG622705-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/20/13 12:09
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 07/18/13 18:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 14 Batch: WG622705-1					
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	76		0-136
4-Terphenyl-d14	78		18-120

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/22/13 19:09
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 07/22/13 08:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05,07,09,13 Batch: WG623212-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/22/13 19:09
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 07/22/13 08:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05,07,09,13 Batch: WG623212-1					
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/22/13 19:09
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 07/22/13 08:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05,07,09,13 Batch: WG623212-1					
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	62		0-136
4-Terphenyl-d14	83		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 20-25,34 Batch: WG621521-2 WG621521-3								
1,2,4-Trichlorobenzene	106	Q	104	Q	39-98	2		30
Bis(2-chloroethyl)ether	122		120		40-140	2		30
1,2-Dichlorobenzene	110		104		40-140	6		30
1,3-Dichlorobenzene	105		102		40-140	3		30
1,4-Dichlorobenzene	105	Q	103	Q	36-97	2		30
3,3'-Dichlorobenzidine	111		98		40-140	12		30
2,4-Dinitrotoluene	145	Q	140	Q	24-96	4		30
2,6-Dinitrotoluene	145	Q	136		40-140	6		30
4-Chlorophenyl phenyl ether	128		122		40-140	5		30
4-Bromophenyl phenyl ether	132		126		40-140	5		30
Bis(2-chloroisopropyl)ether	112		110		40-140	2		30
Bis(2-chloroethoxy)methane	137		130		40-140	5		30
Hexachlorocyclopentadiene	65		65		40-140	0		30
Isophorone	137		133		40-140	3		30
Nitrobenzene	119		119		40-140	0		30
NitrosoDiPhenylAmine(NDPA)/DPA	133		126		40-140	5		30
n-Nitrosodi-n-propylamine	135	Q	129		29-132	5		30
Bis(2-Ethylhexyl)phthalate	137		131		40-140	4		30
Butyl benzyl phthalate	142	Q	134		40-140	6		30
Di-n-butylphthalate	136		127		40-140	7		30
Di-n-octylphthalate	141	Q	130		40-140	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 20-25,34 Batch: WG621521-2 WG621521-3								
Diethyl phthalate	135		129		40-140	5		30
Dimethyl phthalate	130		126		40-140	3		30
Biphenyl	115		112			3		30
4-Chloroaniline	95		86		40-140	10		30
2-Nitroaniline	142		134		52-143	6		30
3-Nitroaniline	118		111		25-145	6		30
4-Nitroaniline	138		125		51-143	10		30
Dibenzofuran	124		120		40-140	3		30
1,2,4,5-Tetrachlorobenzene	106		105		2-134	1		30
Acetophenone	146	Q	140	Q	39-129	4		30
2,4,6-Trichlorophenol	139	Q	131	Q	30-130	6		30
P-Chloro-M-Cresol	151	Q	140	Q	23-97	8		30
2-Chlorophenol	134	Q	128	Q	27-123	5		30
2,4-Dichlorophenol	147	Q	138	Q	30-130	6		30
2,4-Dimethylphenol	136	Q	106		30-130	25		30
2-Nitrophenol	142	Q	136	Q	30-130	4		30
4-Nitrophenol	82	Q	86	Q	10-80	5		30
2,4-Dinitrophenol	122		116		20-130	5		30
4,6-Dinitro-o-cresol	130		124		20-164	5		30
Phenol	74		70		12-110	6		30
2-Methylphenol	129		122		30-130	6		30

Lab Control Sample Analysis Batch Quality Control

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 20-25,34 Batch: WG621521-2 WG621521-3								
3-Methylphenol/4-Methylphenol	125		118		30-130	6		30
2,4,5-Trichlorophenol	154	Q	145	Q	30-130	6		30
Benzoic Acid	79		78			1		30
Benzyl Alcohol	129		124			4		30
Carbazole	132		126		55-144	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	92		92		21-120
Phenol-d6	70		68		10-120
Nitrobenzene-d5	130	Q	127	Q	23-120
2-Fluorobiphenyl	123	Q	121	Q	15-120
2,4,6-Tribromophenol	134	Q	125	Q	10-120
4-Terphenyl-d14	113		105		41-149

Lab Control Sample Analysis Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 20-25,34 Batch: WG621522-2 WG621522-3								
Acenaphthene	92		82		37-111	11		40
2-Chloronaphthalene	96		85		40-140	12		40
Fluoranthene	120		109		40-140	10		40
Hexachlorobutadiene	81		77		40-140	5		40
Naphthalene	92		79		40-140	15		40
Benzo(a)anthracene	125		113		40-140	10		40
Benzo(a)pyrene	108		102		40-140	6		40
Benzo(b)fluoranthene	119		109		40-140	9		40
Benzo(k)fluoranthene	113		108		40-140	5		40
Chrysene	101		91		40-140	10		40
Acenaphthylene	108		95		40-140	13		40
Anthracene	110		96		40-140	14		40
Benzo(ghi)perylene	95		99		40-140	4		40
Fluorene	112		100		40-140	11		40
Phenanthrene	107		99		40-140	8		40
Dibenzo(a,h)anthracene	98		96		40-140	2		40
Indeno(1,2,3-cd)Pyrene	100		101		40-140	1		40
Pyrene	118		105		26-127	12		40
2-Methylnaphthalene	93		85		40-140	9		40
Pentachlorophenol	115	Q	108	Q	9-103	6		40
Hexachlorobenzene	96		93		40-140	3		40

Lab Control Sample Analysis**Batch Quality Control****Project Name:** BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 20-25,34 Batch: WG621522-2 WG621522-3								
Hexachloroethane	92		83		40-140	10		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	64		72		21-120
Phenol-d6	51		78		10-120
Nitrobenzene-d5	120		96		23-120
2-Fluorobiphenyl	119		96		15-120
2,4,6-Tribromophenol	105		101		10-120
4-Terphenyl-d14	108		95		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06,08,10-12,15 Batch: WG621794-2 WG621794-3								
Acenaphthene	73		65		31-137	12		50
1,2,4-Trichlorobenzene	78		65		38-107	18		50
Hexachlorobenzene	90		81		40-140	11		50
Bis(2-chloroethyl)ether	53		47		40-140	12		50
2-Chloronaphthalene	85		74		40-140	14		50
1,2-Dichlorobenzene	71		62		40-140	14		50
1,3-Dichlorobenzene	68		59		40-140	14		50
1,4-Dichlorobenzene	69		58		28-104	17		50
3,3'-Dichlorobenzidine	53		50		40-140	6		50
2,4-Dinitrotoluene	90	Q	84		28-89	7		50
2,6-Dinitrotoluene	95		87		40-140	9		50
Fluoranthene	91		76		40-140	18		50
4-Chlorophenyl phenyl ether	84		75		40-140	11		50
4-Bromophenyl phenyl ether	93		82		40-140	13		50
Bis(2-chloroisopropyl)ether	47		41		40-140	14		50
Bis(2-chloroethoxy)methane	64		54		40-117	17		50
Hexachlorobutadiene	84		74		40-140	13		50
Hexachlorocyclopentadiene	41		37	Q	40-140	10		50
Hexachloroethane	66		56		40-140	16		50
Isophorone	66		57		40-140	15		50
Naphthalene	69		57		40-140	19		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06,08,10-12,15 Batch: WG621794-2 WG621794-3								
Nitrobenzene	59		52		40-140	13		50
NitrosoDiPhenylAmine(NDPA)/DPA	88		76			15		50
n-Nitrosodi-n-propylamine	59		50		32-121	17		50
Bis(2-Ethylhexyl)phthalate	79		68		40-140	15		50
Butyl benzyl phthalate	84		75		40-140	11		50
Di-n-butylphthalate	86		73		40-140	16		50
Di-n-octylphthalate	84		72		40-140	15		50
Diethyl phthalate	84		76		40-140	10		50
Dimethyl phthalate	82		73		40-140	12		50
Benzo(a)anthracene	82		70		40-140	16		50
Benzo(a)pyrene	79		67		40-140	16		50
Benzo(b)fluoranthene	82		69		40-140	17		50
Benzo(k)fluoranthene	84		71		40-140	17		50
Chrysene	79		68		40-140	15		50
Acenaphthylene	87		75		40-140	15		50
Anthracene	79		70		40-140	12		50
Benzo(ghi)perylene	84		67		40-140	23		50
Fluorene	80		71		40-140	12		50
Phenanthrene	76		64		40-140	17		50
Dibenzo(a,h)anthracene	85		69		40-140	21		50
Indeno(1,2,3-cd)Pyrene	84		68		40-140	21		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06,08,10-12,15 Batch: WG621794-2 WG621794-3								
Pyrene	88		76		35-142	15		50
Biphenyl	67		59			13		50
4-Chloroaniline	34	Q	34	Q	40-140	0		50
2-Nitroaniline	91		80		47-134	13		50
3-Nitroaniline	54		50		26-129	8		50
4-Nitroaniline	72		67		41-125	7		50
Dibenzofuran	79		70		40-140	12		50
2-Methylnaphthalene	72		63		40-140	13		50
1,2,4,5-Tetrachlorobenzene	72		64		40-117	12		50
Acetophenone	65		55		14-144	17		50
2,4,6-Trichlorophenol	95		79		30-130	18		50
P-Chloro-M-Cresol	87		73		26-103	18		50
2-Chlorophenol	78		68		25-102	14		50
2,4-Dichlorophenol	89		73		30-130	20		50
2,4-Dimethylphenol	75		64		30-130	16		50
2-Nitrophenol	84		70		30-130	18		50
4-Nitrophenol	57		49		11-114	15		50
2,4-Dinitrophenol	82		76		4-130	8		50
4,6-Dinitro-o-cresol	97		89		10-130	9		50
Pentachlorophenol	69		58		17-109	17		50
Phenol	60		53		26-90	12		50

Lab Control Sample Analysis Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06,08,10-12,15 Batch: WG621794-2 WG621794-3								
2-Methylphenol	73		63		30-130.	15		50
3-Methylphenol/4-Methylphenol	72		60		30-130	18		50
2,4,5-Trichlorophenol	101		86		30-130	16		50
Benzoic Acid	39		30			26		50
Benzyl Alcohol	60		52		40-140	14		50
Carbazole	78		70		54-128	11		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	63		60		25-120
Phenol-d6	64		59		10-120
Nitrobenzene-d5	64		60		23-120
2-Fluorobiphenyl	81		74		30-120
2,4,6-Tribromophenol	69		61		0-136
4-Terphenyl-d14	78		72		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-19,27-33 Batch: WG621800-2 WG621800-3								
Acenaphthene	85		77		31-137	10		50
1,2,4-Trichlorobenzene	84		74		38-107	13		50
Hexachlorobenzene	85		81		40-140	5		50
Bis(2-chloroethyl)ether	78		67		40-140	15		50
2-Chloronaphthalene	87		83		40-140	5		50
1,2-Dichlorobenzene	83		70		40-140	17		50
1,3-Dichlorobenzene	80		68		40-140	16		50
1,4-Dichlorobenzene	81		70		28-104	15		50
3,3'-Dichlorobenzidine	60		59		40-140	2		50
2,4-Dinitrotoluene	86		83		28-89	4		50
2,6-Dinitrotoluene	80		80		40-140	0		50
Fluoranthene	83		82		40-140	1		50
4-Chlorophenyl phenyl ether	85		80		40-140	6		50
4-Bromophenyl phenyl ether	84		79		40-140	6		50
Bis(2-chloroisopropyl)ether	82		70		40-140	16		50
Bis(2-chloroethoxy)methane	82		74		40-117	10		50
Hexachlorobutadiene	89		78		40-140	13		50
Hexachlorocyclopentadiene	57		49		40-140	15		50
Hexachloroethane	86		72		40-140	18		50
Isophorone	81		73		40-140	10		50
Naphthalene	83		74		40-140	11		50

Lab Control Sample Analysis Batch Quality Control

Project Name: BCP PROJECT

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Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-19,27-33 Batch: WG621800-2 WG621800-3								
Nitrobenzene	85		70		40-140	19		50
NitrosoDiPhenylAmine(NDPA)/DPA	85		82			4		50
n-Nitrosodi-n-propylamine	81		71		32-121	13		50
Bis(2-Ethylhexyl)phthalate	100		95		40-140	5		50
Butyl benzyl phthalate	85		83		40-140	2		50
Di-n-butylphthalate	91		89		40-140	2		50
Di-n-octylphthalate	104		101		40-140	3		50
Diethyl phthalate	86		83		40-140	4		50
Dimethyl phthalate	85		80		40-140	6		50
Benzo(a)anthracene	90		87		40-140	3		50
Benzo(a)pyrene	87		84		40-140	4		50
Benzo(b)fluoranthene	85		81		40-140	5		50
Benzo(k)fluoranthene	88		85		40-140	3		50
Chrysene	88		85		40-140	3		50
Acenaphthylene	83		79		40-140	5		50
Anthracene	87		86		40-140	1		50
Benzo(ghi)perylene	85		80		40-140	6		50
Fluorene	83		79		40-140	5		50
Phenanthrene	84		83		40-140	1		50
Dibenzo(a,h)anthracene	77		73		40-140	5		50
Indeno(1,2,3-cd)Pyrene	79		75		40-140	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-19,27-33 Batch: WG621800-2 WG621800-3								
Pyrene	82		80		35-142	2		50
Biphenyl	93		83			11		50
4-Chloroaniline	61		61		40-140	0		50
2-Nitroaniline	82		83		47-134	1		50
3-Nitroaniline	46		40		26-129	14		50
4-Nitroaniline	71		68		41-125	4		50
Dibenzofuran	86		79		40-140	8		50
2-Methylnaphthalene	82		74		40-140	10		50
1,2,4,5-Tetrachlorobenzene	89		76		40-117	16		50
Acetophenone	87		75		14-144	15		50
2,4,6-Trichlorophenol	80		77		30-130	4		50
P-Chloro-M-Cresol	82		80		26-103	2		50
2-Chlorophenol	83		71		25-102	16		50
2,4-Dichlorophenol	89		79		30-130	12		50
2,4-Dimethylphenol	84		78		30-130	7		50
2-Nitrophenol	75		68		30-130	10		50
4-Nitrophenol	66		61		11-114	8		50
2,4-Dinitrophenol	56		51		4-130	9		50
4,6-Dinitro-o-cresol	75		67		10-130	11		50
Pentachlorophenol	72		71		17-109	1		50
Phenol	80		69		26-90	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-19,27-33 Batch: WG621800-2 WG621800-3								
2-Methylphenol	81		74		30-130.	9		50
3-Methylphenol/4-Methylphenol	75		68		30-130	10		50
2,4,5-Trichlorophenol	85		80		30-130	6		50
Benzoic Acid	41		32			25		50
Benzyl Alcohol	87		75		40-140	15		50
Carbazole	85		84		54-128	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	78		67		25-120
Phenol-d6	73		63		10-120
Nitrobenzene-d5	80		68		23-120
2-Fluorobiphenyl	80		74		30-120
2,4,6-Tribromophenol	88		87		0-136
4-Terphenyl-d14	69		65		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 14 Batch: WG622705-2 WG622705-3								
Acenaphthene	75		78		31-137	4		50
1,2,4-Trichlorobenzene	66		73		38-107	10		50
Hexachlorobenzene	82		81		40-140	1		50
Bis(2-chloroethyl)ether	61		67		40-140	9		50
2-Chloronaphthalene	76		79		40-140	4		50
1,2-Dichlorobenzene	64		69		40-140	8		50
1,3-Dichlorobenzene	64		69		40-140	8		50
1,4-Dichlorobenzene	61		67		28-104	9		50
3,3'-Dichlorobenzidine	69		63		40-140	9		50
2,4-Dinitrotoluene	83		84		28-89	1		50
2,6-Dinitrotoluene	81		79		40-140	3		50
Fluoranthene	85		81		40-140	5		50
4-Chlorophenyl phenyl ether	78		79		40-140	1		50
4-Bromophenyl phenyl ether	79		79		40-140	0		50
Bis(2-chloroisopropyl)ether	63		70		40-140	11		50
Bis(2-chloroethoxy)methane	67		73		40-117	9		50
Hexachlorobutadiene	68		72		40-140	6		50
Hexachlorocyclopentadiene	48		52		40-140	8		50
Hexachloroethane	64		70		40-140	9		50
Isophorone	68		75		40-140	10		50
Naphthalene	67		72		40-140	7		50

Lab Control Sample Analysis Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 14 Batch: WG622705-2 WG622705-3								
Nitrobenzene	66		73		40-140	10		50
NitrosoDiPhenylAmine(NDPA)/DPA	83		80			4		50
n-Nitrosodi-n-propylamine	67		74		32-121	10		50
Bis(2-Ethylhexyl)phthalate	95		93		40-140	2		50
Butyl benzyl phthalate	87		84		40-140	4		50
Di-n-butylphthalate	92		87		40-140	6		50
Di-n-octylphthalate	100		98		40-140	2		50
Diethyl phthalate	85		84		40-140	1		50
Dimethyl phthalate	83		81		40-140	2		50
Benzo(a)anthracene	88		84		40-140	5		50
Benzo(a)pyrene	84		81		40-140	4		50
Benzo(b)fluoranthene	82		73		40-140	12		50
Benzo(k)fluoranthene	82		86		40-140	5		50
Chrysene	84		84		40-140	0		50
Acenaphthylene	76		79		40-140	4		50
Anthracene	88		82		40-140	7		50
Benzo(ghi)perylene	85		82		40-140	4		50
Fluorene	78		78		40-140	0		50
Phenanthrene	84		81		40-140	4		50
Dibenzo(a,h)anthracene	75		72		40-140	4		50
Indeno(1,2,3-cd)Pyrene	78		76		40-140	3		50

Lab Control Sample Analysis Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 14 Batch: WG622705-2 WG622705-3								
Pyrene	84		81		35-142	4		50
Biphenyl	76		81			6		50
4-Chloroaniline	66		70		40-140	6		50
2-Nitroaniline	86		83		47-134	4		50
3-Nitroaniline	53		50		26-129	6		50
4-Nitroaniline	73		71		41-125	3		50
Dibenzofuran	79		81		40-140	3		50
2-Methylnaphthalene	69		74		40-140	7		50
1,2,4,5-Tetrachlorobenzene	73		75		40-117	3		50
Acetophenone	72		77		14-144	7		50
2,4,6-Trichlorophenol	77		79		30-130	3		50
P-Chloro-M-Cresol	81		83		26-103	2		50
2-Chlorophenol	67		74		25-102	10		50
2,4-Dichlorophenol	78		82		30-130	5		50
2,4-Dimethylphenol	77		83		30-130	8		50
2-Nitrophenol	65		70		30-130	7		50
4-Nitrophenol	76		71		11-114	7		50
2,4-Dinitrophenol	62		58		4-130	7		50
4,6-Dinitro-o-cresol	80		77		10-130	4		50
Pentachlorophenol	73		73		17-109	0		50
Phenol	67		72		26-90	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 14 Batch: WG622705-2 WG622705-3								
2-Methylphenol	68		77		30-130.	12		50
3-Methylphenol/4-Methylphenol	65		74		30-130	13		50
2,4,5-Trichlorophenol	82		84		30-130	2		50
Benzoic Acid	26		27			4		50
Benzyl Alcohol	70		80		40-140	13		50
Carbazole	85		82		54-128	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	58		67		25-120
Phenol-d6	60		67		10-120
Nitrobenzene-d5	63		73		23-120
2-Fluorobiphenyl	66		71		30-120
2,4,6-Tribromophenol	83		86		0-136
4-Terphenyl-d14	69		66		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05,07,09,13 Batch: WG623212-2 WG623212-3								
Acenaphthene	77		84		31-137	9		50
1,2,4-Trichlorobenzene	71		70		38-107	1		50
Hexachlorobenzene	78		98		40-140	23		50
Bis(2-chloroethyl)ether	68		62		40-140	9		50
2-Chloronaphthalene	79		82		40-140	4		50
1,2-Dichlorobenzene	68		65		40-140	5		50
1,3-Dichlorobenzene	67		64		40-140	5		50
1,4-Dichlorobenzene	65		64		28-104	2		50
3,3'-Dichlorobenzidine	64		87		40-140	30		50
2,4-Dinitrotoluene	78		99	Q	28-89	24		50
2,6-Dinitrotoluene	40		40		40-140	0		50
Fluoranthene	78		103		40-140	28		50
4-Chlorophenyl phenyl ether	78		90		40-140	14		50
4-Bromophenyl phenyl ether	76		95		40-140	22		50
Bis(2-chloroisopropyl)ether	69		67		40-140	3		50
Bis(2-chloroethoxy)methane	72		73		40-117	1		50
Hexachlorobutadiene	77		73		40-140	5		50
Hexachlorocyclopentadiene	60		60		40-140	0		50
Hexachloroethane	71		68		40-140	4		50
Isophorone	72		73		40-140	1		50
Naphthalene	70		70		40-140	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05,07,09,13 Batch: WG623212-2 WG623212-3								
Nitrobenzene	73		70		40-140	4		50
NitrosoDiPhenylAmine(NDPA)/DPA	80		99			21		50
n-Nitrosodi-n-propylamine	73		70		32-121	4		50
Bis(2-Ethylhexyl)phthalate	92		112		40-140	20		50
Butyl benzyl phthalate	79		106		40-140	29		50
Di-n-butylphthalate	84		111		40-140	28		50
Di-n-octylphthalate	96		121		40-140	23		50
Diethyl phthalate	80		102		40-140	24		50
Dimethyl phthalate	79		97		40-140	20		50
Benzo(a)anthracene	82		104		40-140	24		50
Benzo(a)pyrene	72		100		40-140	33		50
Benzo(b)fluoranthene	74		93		40-140	23		50
Benzo(k)fluoranthene	76		105		40-140	32		50
Chrysene	78		99		40-140	24		50
Acenaphthylene	76		85		40-140	11		50
Anthracene	79		99		40-140	22		50
Benzo(ghi)perylene	72		101		40-140	34		50
Fluorene	76		89		40-140	16		50
Phenanthrene	76		99		40-140	26		50
Dibenzo(a,h)anthracene	68		88		40-140	26		50
Indeno(1,2,3-cd)Pyrene	71		96		40-140	30		50

Lab Control Sample Analysis Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05,07,09,13 Batch: WG623212-2 WG623212-3								
Pyrene	78		103		35-142	28		50
Biphenyl	80		86			7		50
4-Chloroaniline	68		80		40-140	16		50
2-Nitroaniline	78		94		47-134	19		50
3-Nitroaniline	46		64		26-129	33		50
4-Nitroaniline	67		90		41-125	29		50
Dibenzofuran	79		87		40-140	10		50
2-Methylnaphthalene	66		68		40-140	3		50
1,2,4,5-Tetrachlorobenzene	77		79		40-117	3		50
Acetophenone	74		73		14-144	1		50
2,4,6-Trichlorophenol	73		84		30-130	14		50
P-Chloro-M-Cresol	76		90		26-103	17		50
2-Chlorophenol	70		68		25-102	3		50
2,4-Dichlorophenol	76		81		30-130	6		50
2,4-Dimethylphenol	79		82		30-130	4		50
2-Nitrophenol	66		67		30-130	2		50
4-Nitrophenol	60		80		11-114	29		50
2,4-Dinitrophenol	46		63		4-130	31		50
4,6-Dinitro-o-cresol	70		91		10-130	26		50
Pentachlorophenol	68		91		17-109	29		50
Phenol	66		66		26-90	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05,07,09,13 Batch: WG623212-2 WG623212-3								
2-Methylphenol	74		73		30-130.	1		50
3-Methylphenol/4-Methylphenol	67		70		30-130	4		50
2,4,5-Trichlorophenol	75		91		30-130	19		50
Benzoic Acid	41		47			14		50
Benzyl Alcohol	74		65		40-140	13		50
Carbazole	78		102		54-128	27		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	62		59		25-120
Phenol-d6	63		61		10-120
Nitrobenzene-d5	66		63		23-120
2-Fluorobiphenyl	69		71		30-120
2,4,6-Tribromophenol	85		105		0-136
4-Terphenyl-d14	68		91		18-120

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 20-25,34 QC Batch ID: WG621521-4 WG621521-5 QC Sample: L1313126-21
Client ID: SB020 (GW)

1,2,4-Trichlorobenzene	ND	40	48	120	Q	43	110	Q	39-98	11		30
Bis(2-chloroethyl)ether	ND	40	49	120		42	110		40-140	15		30
1,2-Dichlorobenzene	ND	40	47	120		39	98		40-140	19		30
1,3-Dichlorobenzene	ND	40	45	110		39	98		40-140	14		30
1,4-Dichlorobenzene	ND	40	45	110	Q	38	95		36-97	17		30
3,3'-Dichlorobenzidine	ND	40	4.0J	10	Q	7.4	19	Q	40-140	60	Q	30
2,4-Dinitrotoluene	ND	40	51	130	Q	49	120	Q	24-96	4		30
2,6-Dinitrotoluene	ND	40	52	130		53	130		40-140	2		30
4-Chlorophenyl phenyl ether	ND	40	49	120		47	120		40-140	4		30
4-Bromophenyl phenyl ether	ND	40	49	120		48	120		40-140	2		30
Bis(2-chloroisopropyl)ether	ND	40	52	130		44	110		40-140	17		30
Bis(2-chloroethoxy)methane	ND	40	54	140		47	120		40-140	14		30
Hexachlorocyclopentadiene	ND	40	29	73		25	63		40-140	15		30
Isophorone	ND	40	52	130		47	120		40-140	10		30
Nitrobenzene	ND	40	57	140		48	120		40-140	17		30
NitrosoDiPhenylAmine(NDPA)/DPA	ND	40	48	120		48	120		40-140	0		30
n-Nitrosodi-n-propylamine	ND	40	53	130		46	120		29-132	14		30
Bis(2-Ethylhexyl)phthalate	ND	40	58	150	Q	55	140		40-140	5		30
Butyl benzyl phthalate	ND	40	52	130		50	130		40-140	4		30
Di-n-butylphthalate	ND	40	53	130		53	130		40-140	0		30
Di-n-octylphthalate	ND	40	60	150	Q	59	150	Q	40-140	2		30

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 20-25,34 QC Batch ID: WG621521-4 WG621521-5 QC Sample: L1313126-21
Client ID: SB020 (GW)

Diethyl phthalate	ND	40	50	130		49	120		40-140	2		30
Dimethyl phthalate	ND	40	50	130		49	120		40-140	2		30
Biphenyl	ND	40	54	140		48	120			12		30
4-Chloroaniline	ND	40	25	63		32	80		40-140	25		30
2-Nitroaniline	ND	40	46	120		44	110		52-143	4		30
3-Nitroaniline	ND	40	31	78		33	83		25-145	6		30
4-Nitroaniline	ND	40	27	68		29	73		51-143	7		30
Dibenzofuran	ND	40	50	130		48	120		40-140	4		30
1,2,4,5-Tetrachlorobenzene	ND	40	50	130		44	110		2-134	13		30
Acetophenone	ND	40	56	140	Q	50	130	Q	39-129	11		30
2,4,6-Trichlorophenol	ND	40	54	140	Q	52	130		30-130	4		30
P-Chloro-M-Cresol	ND	40	52	130	Q	50	130	Q	23-97	4		30
2-Chlorophenol	ND	40	50	130	Q	45	110		27-123	11		30
2,4-Dichlorophenol	ND	40	58	150	Q	52	130		30-130	11		30
2,4-Dimethylphenol	ND	40	31	78		39	98		30-130	23		30
2-Nitrophenol	ND	40	53	130		46	120		30-130	14		30
4-Nitrophenol	ND	40	33	83	Q	30	75		10-80	10		30
2,4-Dinitrophenol	ND	40	47	120		47	120		20-130	0		30
4,6-Dinitro-o-cresol	ND	40	48	120		48	120		20-164	0		30
Phenol	ND	40	27	68		24	60		12-110	12		30
2-Methylphenol	ND	40	45	110		42	110		30-130	7		30

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 20-25,34 QC Batch ID: WG621521-4 WG621521-5 QC Sample: L1313126-21
Client ID: SB020 (GW)

3-Methylphenol/4-Methylphenol	ND	40	46	120		42	110		30-130	9		30
2,4,5-Trichlorophenol	ND	40	56	140	Q	57	140	Q	30-130	2		30
Benzoic Acid	ND	40	24.J	60		26.J	65			8		30
Benzyl Alcohol	ND	40	52	130		45	110			14		30
Carbazole	ND	40	51	130		50	130		55-144	2		30

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
2,4,6-Tribromophenol	129	Q	130	Q	10-120
2-Fluorobiphenyl	124	Q	110		15-120
2-Fluorophenol	88		78		21-120
4-Terphenyl-d14	99		99		41-149
Nitrobenzene-d5	128	Q	110		23-120
Phenol-d6	58		53		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 20-25,34 QC Batch ID: WG621522-4 WG621522-5 QC Sample: L1313126-21 Client ID: SB020 (GW)

Acenaphthene	ND	40	35	88		35	88		37-111	0		40
2-Chloronaphthalene	ND	40	37	93		35	88		40-140	6		40
Fluoranthene	0.50	40	46	110		42	100		40-140	9		40
Hexachlorobutadiene	ND	40	32	80		29	73		40-140	10		40
Naphthalene	0.26	40	34	84		31	77		40-140	9		40
Benzo(a)anthracene	0.36	40	44	110		44	110		40-140	0		40
Benzo(a)pyrene	0.71	40	39	96		40	98		40-140	3		40
Benzo(b)fluoranthene	1.5	40	46	110		45	110		40-140	2		40
Benzo(k)fluoranthene	0.51	40	43	110		43	110		40-140	0		40
Chrysene	0.39	40	38	94		37	92		40-140	3		40
Acenaphthylene	0.18J	40	38	95		38	95		40-140	0		40
Anthracene	0.12J	40	40	100		35	88		40-140	13		40
Benzo(ghi)perylene	1.6	40	40	96		39	94		40-140	3		40
Fluorene	ND	40	43	110		39	98		40-140	10		40
Phenanthrene	0.18J	40	42	110		36	90		40-140	15		40
Dibenzo(a,h)anthracene	0.30	40	37	92		37	92		40-140	0		40
Indeno(1,2,3-cd)Pyrene	1.5	40	40	96		40	96		40-140	0		40
Pyrene	0.57	40	44	110		40	99		26-127	10		40
2-Methylnaphthalene	ND	40	36	90		34	85		40-140	6		40
Pentachlorophenol	ND	40	49	120	Q	41	100		9-103	18		40
Hexachlorobenzene	ND	40	39	98		33	83		40-140	17		40

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 20-25,34 QC Batch ID: WG621522-4 WG621522-5 QC Sample: L1313126-21 Client ID: SB020 (GW)

Hexachloroethane	ND	40	35	88		29	73		40-140	19		40

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
2,4,6-Tribromophenol	98		95		10-120
2-Fluorobiphenyl	92		89		15-120
2-Fluorophenol	66		58		21-120
4-Terphenyl-d14	109		100		41-149
Nitrobenzene-d5	92		82		23-120
Phenol-d6	47		43		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06,08,10-12,15 QC Batch ID: WG621794-4 WG621794-5 QC Sample: L1313126-01 Client ID: SB017 (0-2')

Acenaphthene	160J	1390	930	67		1200	87		31-137	25		50
1,2,4-Trichlorobenzene	ND	1390	950	68		1100	80		38-107	15		50
Hexachlorobenzene	ND	1390	960	69		1200	87		40-140	22		50
Bis(2-chloroethyl)ether	ND	1390	600	43		700	51		40-140	15		50
2-Chloronaphthalene	ND	1390	970	70		1100	80		40-140	13		50
1,2-Dichlorobenzene	ND	1390	840	60		930	67		40-140	10		50
1,3-Dichlorobenzene	ND	1390	810	58		930	67		40-140	14		50
1,4-Dichlorobenzene	ND	1390	910	65		970	70		28-104	6		50
3,3'-Dichlorobenzidine	ND	1390	780	56		880	64		40-140	12		50
2,4-Dinitrotoluene	ND	1390	810	58		1000	72		28-89	21		50
2,6-Dinitrotoluene	ND	1390	1000	72		1100	80		40-140	10		50
Fluoranthene	1900	1390	2800	65		4100	160	Q	40-140	38		50
4-Chlorophenyl phenyl ether	ND	1390	940	67		1200	87		40-140	24		50
4-Bromophenyl phenyl ether	ND	1390	1000	72		1200	87		40-140	18		50
Bis(2-chloroisopropyl)ether	ND	1390	530	38	Q	560	41		40-140	6		50
Bis(2-chloroethoxy)methane	ND	1390	650	47		720	52		40-117	10		50
Hexachlorobutadiene	ND	1390	1000	72		1200	87		40-140	18		50
Hexachlorocyclopentadiene	ND	1390	ND	0	Q	290J	21	Q	40-140	NC		50
Hexachloroethane	ND	1390	820	59		860	62		40-140	5		50
Isophorone	ND	1390	730	52		720	52		40-140	1		50
Naphthalene	ND	1390	940	67		1100	80		40-140	16		50

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06,08,10-12,15 QC Batch ID: WG621794-4 WG621794-5 QC Sample: L1313126-01 Client ID: SB017 (0-2')

Nitrobenzene	ND	1390	660	47		780	57		40-140	17		50
NitrosoDiPhenylAmine(NDPA)/DPA	ND	1390	910	65		1100	80			19		50
n-Nitrosodi-n-propylamine	ND	1390	630	45		690	50		32-121	9		50
Bis(2-Ethylhexyl)phthalate	350	1390	1400	100		1400	100		40-140	0		50
Butyl benzyl phthalate	ND	1390	900	65		1000	72		40-140	11		50
Di-n-butylphthalate	ND	1390	930	67		1100	80		40-140	17		50
Di-n-octylphthalate	ND	1390	1100	79		1100	80		40-140	0		50
Diethyl phthalate	ND	1390	860	62		990	72		40-140	14		50
Dimethyl phthalate	ND	1390	810	58		940	68		40-140	15		50
Benzo(a)anthracene	960	1390	1800	60		2600	120		40-140	36		50
Benzo(a)pyrene	840	1390	1700	62		2100	91		40-140	21		50
Benzo(b)fluoranthene	980	1390	1800	59		2500	110		40-140	33		50
Benzo(k)fluoranthene	330	1390	1400	77		1800	110		40-140	25		50
Chrysene	1200	1390	2200	72		3000	130		40-140	31		50
Acenaphthylene	87.J	1390	1100	79		1200	87		40-140	9		50
Anthracene	250	1390	1200	68		1600	98		40-140	29		50
Benzo(ghi)perylene	560	1390	1400	60		2000	100		40-140	35		50
Fluorene	120J	1390	960	69		1300	94		40-140	30		50
Phenanthrene	1700	1390	2600	65		3700	140		40-140	35		50
Dibenzo(a,h)anthracene	200J	1390	1000	72		1200	87		40-140	18		50
Indeno(1,2,3-cd)Pyrene	590	1390	1400	58		1800	88		40-140	25		50

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06,08,10-12,15 QC Batch ID: WG621794-4 WG621794-5 QC Sample: L1313126-01 Client ID: SB017 (0-2')

Pyrene	2000	1390	3000	72		4400	170	Q	35-142	38		50
Biphenyl	ND	1390	780J	56		980	71			23		50
4-Chloroaniline	ND	1390	450	32	Q	630	46		40-140	33		50
2-Nitroaniline	ND	1390	920	66		1100	80		47-134	18		50
3-Nitroaniline	ND	1390	640	46		790	57		26-129	21		50
4-Nitroaniline	ND	1390	480	34	Q	750	54		41-125	44		50
Dibenzofuran	ND	1390	920	66		1200	87		40-140	26		50
2-Methylnaphthalene	ND	1390	950	68		1100	80		40-140	15		50
1,2,4,5-Tetrachlorobenzene	ND	1390	870	62		1100	80		40-117	23		50
Acetophenone	ND	1390	700	50		800	58		14-144	13		50
2,4,6-Trichlorophenol	ND	1390	ND	0	Q	ND	0	Q	30-130	NC		50
P-Chloro-M-Cresol	ND	1390	400	29		720	52		26-103	57	Q	50
2-Chlorophenol	ND	1390	ND	0	Q	210	15	Q	25-102	NC		50
2,4-Dichlorophenol	ND	1390	ND	0	Q	110J	8	Q	30-130	NC		50
2,4-Dimethylphenol	ND	1390	590	42		760	55		30-130	25		50
2-Nitrophenol	ND	1390	ND	0	Q	ND	0	Q	30-130	NC		50
4-Nitrophenol	ND	1390	ND	0	Q	ND	0	Q	11-114	NC		50
2,4-Dinitrophenol	ND	1390	ND	0	Q	ND	0	Q	4-130	NC		50
4,6-Dinitro-o-cresol	ND	1390	ND	0	Q	ND	0	Q	10-130	NC		50
Pentachlorophenol	ND	1390	ND	0	Q	ND	0	Q	17-109	NC		50
Phenol	ND	1390	290J	21	Q	420	30		26-90	37		50

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06,08,10-12,15 QC Batch ID: WG621794-4 WG621794-5 QC Sample: L1313126-01 Client ID: SB017 (0-2')												
2-Methylphenol	ND	1390	610	44		740	54		30-130.	19		50
3-Methylphenol/4-Methylphenol	ND	1390	490J	35		660	48		30-130	30		50
2,4,5-Trichlorophenol	ND	1390	ND	0	Q	ND	0	Q	30-130	NC		50
Benzoic Acid	ND	1390	ND	0	Q	ND	0	Q		NC		50
Benzyl Alcohol	ND	1390	590	42		700	51		40-140	17		50
Carbazole	ND	1390	920	66		1100	80		54-128	18		50

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
2,4,6-Tribromophenol	0		0		0-136
2-Fluorobiphenyl	71		79		30-120
2-Fluorophenol	2	Q	7	Q	25-120
4-Terphenyl-d14	65		78		18-120
Nitrobenzene-d5	54		56		23-120
Phenol-d6	22		32		10-120

PCBS

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-01
 Client ID: SB017 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/16/13 17:18
 Analyst: KB
 Percent Solids: 94%

Date Collected: 07/11/13 11:15
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 11:54
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/15/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	34.9	6.89	1
Aroclor 1221	ND		ug/kg	34.9	10.5	1
Aroclor 1232	ND		ug/kg	34.9	7.41	1
Aroclor 1242	ND		ug/kg	34.9	6.62	1
Aroclor 1248	ND		ug/kg	34.9	4.22	1
Aroclor 1254	ND		ug/kg	34.9	5.50	1
Aroclor 1260	ND		ug/kg	34.9	6.06	1
Aroclor 1262	ND		ug/kg	34.9	2.58	1
Aroclor 1268	ND		ug/kg	34.9	5.06	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	69		30-150
Decachlorobiphenyl	68		30-150
2,4,5,6-Tetrachloro-m-xylene	68		30-150
Decachlorobiphenyl	94		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-02
 Client ID: SB017 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/16/13 17:30
 Analyst: KB
 Percent Solids: 91%

Date Collected: 07/11/13 11:20
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 11:54
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/15/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	35.6	7.04	1
Aroclor 1221	ND		ug/kg	35.6	10.8	1
Aroclor 1232	ND		ug/kg	35.6	7.57	1
Aroclor 1242	ND		ug/kg	35.6	6.76	1
Aroclor 1248	ND		ug/kg	35.6	4.31	1
Aroclor 1254	ND		ug/kg	35.6	5.62	1
Aroclor 1260	ND		ug/kg	35.6	6.19	1
Aroclor 1262	ND		ug/kg	35.6	2.64	1
Aroclor 1268	ND		ug/kg	35.6	5.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	69		30-150
Decachlorobiphenyl	62		30-150
2,4,5,6-Tetrachloro-m-xylene	62		30-150
Decachlorobiphenyl	89		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-03
 Client ID: SB017 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/16/13 17:43
 Analyst: KB
 Percent Solids: 81%

Date Collected: 07/11/13 11:25
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 11:54
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/15/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	38.6	7.62	1
Aroclor 1221	ND		ug/kg	38.6	11.6	1
Aroclor 1232	ND		ug/kg	38.6	8.20	1
Aroclor 1242	ND		ug/kg	38.6	7.32	1
Aroclor 1248	ND		ug/kg	38.6	4.67	1
Aroclor 1254	ND		ug/kg	38.6	6.08	1
Aroclor 1260	ND		ug/kg	38.6	6.70	1
Aroclor 1262	ND		ug/kg	38.6	2.85	1
Aroclor 1268	ND		ug/kg	38.6	5.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	55		30-150
Decachlorobiphenyl	50		30-150
2,4,5,6-Tetrachloro-m-xylene	54		30-150
Decachlorobiphenyl	58		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-04
 Client ID: SB018 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/16/13 17:55
 Analyst: KB
 Percent Solids: 88%

Date Collected: 07/11/13 13:10
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 11:54
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/15/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.0	7.31	1
Aroclor 1221	ND		ug/kg	37.0	11.2	1
Aroclor 1232	ND		ug/kg	37.0	7.86	1
Aroclor 1248	ND		ug/kg	37.0	4.48	1
Aroclor 1254	27.0	J	ug/kg	37.0	5.83	1
Aroclor 1260	ND		ug/kg	37.0	6.42	1
Aroclor 1262	ND		ug/kg	37.0	2.74	1
Aroclor 1268	ND		ug/kg	37.0	5.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	71		30-150
Decachlorobiphenyl	65		30-150
2,4,5,6-Tetrachloro-m-xylene	67		30-150
Decachlorobiphenyl	81		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-04
 Client ID: SB018 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/16/13 17:55
 Analyst: KB
 Percent Solids: 88%

Date Collected: 07/11/13 13:10
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 11:54
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/15/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1242	17.9	J	ug/kg	37.0	7.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	71		30-150
Decachlorobiphenyl	65		30-150
2,4,5,6-Tetrachloro-m-xylene	67		30-150
Decachlorobiphenyl	81		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-05
 Client ID: SB018 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/16/13 18:07
 Analyst: KB
 Percent Solids: 85%

Date Collected: 07/11/13 13:15
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 11:54
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/15/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.3	7.37	1
Aroclor 1221	ND		ug/kg	37.3	11.3	1
Aroclor 1232	ND		ug/kg	37.3	7.93	1
Aroclor 1242	ND		ug/kg	37.3	7.09	1
Aroclor 1248	ND		ug/kg	37.3	4.52	1
Aroclor 1254	ND		ug/kg	37.3	5.89	1
Aroclor 1260	ND		ug/kg	37.3	6.48	1
Aroclor 1262	ND		ug/kg	37.3	2.76	1
Aroclor 1268	ND		ug/kg	37.3	5.42	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	57		30-150
Decachlorobiphenyl	49		30-150
2,4,5,6-Tetrachloro-m-xylene	55		30-150
Decachlorobiphenyl	61		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-06
 Client ID: SB018 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/16/13 18:20
 Analyst: KB
 Percent Solids: 86%

Date Collected: 07/11/13 13:20
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 11:54
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/15/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	38.0	7.52	1
Aroclor 1221	ND		ug/kg	38.0	11.5	1
Aroclor 1232	ND		ug/kg	38.0	8.08	1
Aroclor 1242	ND		ug/kg	38.0	7.22	1
Aroclor 1248	ND		ug/kg	38.0	4.60	1
Aroclor 1254	ND		ug/kg	38.0	6.00	1
Aroclor 1260	ND		ug/kg	38.0	6.60	1
Aroclor 1262	ND		ug/kg	38.0	2.81	1
Aroclor 1268	ND		ug/kg	38.0	5.52	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	63		30-150
Decachlorobiphenyl	59		30-150
2,4,5,6-Tetrachloro-m-xylene	63		30-150
Decachlorobiphenyl	72		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-07
 Client ID: SB019 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/16/13 18:32
 Analyst: KB
 Percent Solids: 86%

Date Collected: 07/11/13 15:20
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 11:54
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/15/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.2	7.34	1
Aroclor 1221	ND		ug/kg	37.2	11.2	1
Aroclor 1232	ND		ug/kg	37.2	7.90	1
Aroclor 1242	ND		ug/kg	37.2	7.06	1
Aroclor 1248	ND		ug/kg	37.2	4.50	1
Aroclor 1254	17.6	J	ug/kg	37.2	5.86	1
Aroclor 1260	ND		ug/kg	37.2	6.45	1
Aroclor 1262	ND		ug/kg	37.2	2.75	1
Aroclor 1268	ND		ug/kg	37.2	5.39	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	64		30-150
Decachlorobiphenyl	60		30-150
2,4,5,6-Tetrachloro-m-xylene	63		30-150
Decachlorobiphenyl	73		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-08
 Client ID: SB019 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/16/13 18:44
 Analyst: KB
 Percent Solids: 80%

Date Collected: 07/11/13 15:25
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 11:54
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/15/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	39.2	7.75	1
Aroclor 1221	ND		ug/kg	39.2	11.8	1
Aroclor 1232	ND		ug/kg	39.2	8.33	1
Aroclor 1242	ND		ug/kg	39.2	7.45	1
Aroclor 1248	ND		ug/kg	39.2	4.75	1
Aroclor 1254	ND		ug/kg	39.2	6.18	1
Aroclor 1260	ND		ug/kg	39.2	6.81	1
Aroclor 1262	ND		ug/kg	39.2	2.90	1
Aroclor 1268	ND		ug/kg	39.2	5.69	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	57		30-150
Decachlorobiphenyl	56		30-150
2,4,5,6-Tetrachloro-m-xylene	57		30-150
Decachlorobiphenyl	67		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-09
 Client ID: SB019 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/16/13 18:57
 Analyst: KB
 Percent Solids: 86%

Date Collected: 07/11/13 15:30
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 11:54
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/15/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	36.4	7.19	1
Aroclor 1221	ND		ug/kg	36.4	11.0	1
Aroclor 1232	ND		ug/kg	36.4	7.73	1
Aroclor 1242	ND		ug/kg	36.4	6.90	1
Aroclor 1248	ND		ug/kg	36.4	4.40	1
Aroclor 1254	ND		ug/kg	36.4	5.74	1
Aroclor 1260	ND		ug/kg	36.4	6.32	1
Aroclor 1262	ND		ug/kg	36.4	2.69	1
Aroclor 1268	ND		ug/kg	36.4	5.28	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	60		30-150
Decachlorobiphenyl	61		30-150
2,4,5,6-Tetrachloro-m-xylene	63		30-150
Decachlorobiphenyl	72		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-10
 Client ID: SB020 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/16/13 19:09
 Analyst: KB
 Percent Solids: 90%

Date Collected: 07/11/13 11:45
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 11:54
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/15/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	35.9	7.08	1
Aroclor 1221	ND		ug/kg	35.9	10.8	1
Aroclor 1232	ND		ug/kg	35.9	7.62	1
Aroclor 1242	ND		ug/kg	35.9	6.81	1
Aroclor 1248	ND		ug/kg	35.9	4.34	1
Aroclor 1254	ND		ug/kg	35.9	5.65	1
Aroclor 1260	ND		ug/kg	35.9	6.22	1
Aroclor 1262	ND		ug/kg	35.9	2.65	1
Aroclor 1268	ND		ug/kg	35.9	5.20	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	77		30-150
Decachlorobiphenyl	84		30-150
2,4,5,6-Tetrachloro-m-xylene	79		30-150
Decachlorobiphenyl	95		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-11
 Client ID: SB020 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/16/13 19:21
 Analyst: KB
 Percent Solids: 94%

Date Collected: 07/11/13 12:00
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 11:55
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/15/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	34.5	6.82	1
Aroclor 1221	ND		ug/kg	34.5	10.4	1
Aroclor 1232	ND		ug/kg	34.5	7.33	1
Aroclor 1242	ND		ug/kg	34.5	6.55	1
Aroclor 1248	ND		ug/kg	34.5	4.17	1
Aroclor 1254	ND		ug/kg	34.5	5.44	1
Aroclor 1260	ND		ug/kg	34.5	5.99	1
Aroclor 1262	ND		ug/kg	34.5	2.55	1
Aroclor 1268	ND		ug/kg	34.5	5.00	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	64		30-150
Decachlorobiphenyl	64		30-150
2,4,5,6-Tetrachloro-m-xylene	61		30-150
Decachlorobiphenyl	70		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-12
 Client ID: SB020 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/16/13 19:34
 Analyst: KB
 Percent Solids: 81%

Date Collected: 07/11/13 12:15
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 11:55
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/15/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	40.4	7.99	1
Aroclor 1221	ND		ug/kg	40.4	12.2	1
Aroclor 1232	ND		ug/kg	40.4	8.59	1
Aroclor 1242	ND		ug/kg	40.4	7.68	1
Aroclor 1248	ND		ug/kg	40.4	4.89	1
Aroclor 1254	ND		ug/kg	40.4	6.38	1
Aroclor 1260	ND		ug/kg	40.4	7.02	1
Aroclor 1262	ND		ug/kg	40.4	2.99	1
Aroclor 1268	ND		ug/kg	40.4	5.87	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	64		30-150
Decachlorobiphenyl	69		30-150
2,4,5,6-Tetrachloro-m-xylene	65		30-150
Decachlorobiphenyl	76		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-13
 Client ID: SB021 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/16/13 19:46
 Analyst: KB
 Percent Solids: 88%

Date Collected: 07/11/13 12:40
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 11:55
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/15/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.1	7.33	1
Aroclor 1221	ND		ug/kg	37.1	11.2	1
Aroclor 1232	ND		ug/kg	37.1	7.89	1
Aroclor 1242	ND		ug/kg	37.1	7.05	1
Aroclor 1248	ND		ug/kg	37.1	4.49	1
Aroclor 1254	ND		ug/kg	37.1	5.85	1
Aroclor 1260	ND		ug/kg	37.1	6.44	1
Aroclor 1262	ND		ug/kg	37.1	2.75	1
Aroclor 1268	ND		ug/kg	37.1	5.39	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	58		30-150
Decachlorobiphenyl	56		30-150
2,4,5,6-Tetrachloro-m-xylene	55		30-150
Decachlorobiphenyl	69		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-14
 Client ID: SB021 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/16/13 19:58
 Analyst: KB
 Percent Solids: 60%

Date Collected: 07/11/13 12:45
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 11:55
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/15/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	53.2	10.5	1
Aroclor 1221	ND		ug/kg	53.2	16.0	1
Aroclor 1232	ND		ug/kg	53.2	11.3	1
Aroclor 1242	ND		ug/kg	53.2	10.1	1
Aroclor 1248	ND		ug/kg	53.2	6.43	1
Aroclor 1254	ND		ug/kg	53.2	8.38	1
Aroclor 1260	ND		ug/kg	53.2	9.23	1
Aroclor 1262	ND		ug/kg	53.2	3.93	1
Aroclor 1268	ND		ug/kg	53.2	7.71	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	39		30-150
Decachlorobiphenyl	34		30-150
2,4,5,6-Tetrachloro-m-xylene	37		30-150
Decachlorobiphenyl	35		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-15
 Client ID: SB021 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/16/13 20:11
 Analyst: KB
 Percent Solids: 86%

Date Collected: 07/11/13 12:50
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 11:55
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/15/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.6	7.43	1
Aroclor 1221	ND		ug/kg	37.6	11.3	1
Aroclor 1232	ND		ug/kg	37.6	7.99	1
Aroclor 1242	ND		ug/kg	37.6	7.14	1
Aroclor 1248	ND		ug/kg	37.6	4.55	1
Aroclor 1254	ND		ug/kg	37.6	5.93	1
Aroclor 1260	ND		ug/kg	37.6	6.53	1
Aroclor 1262	ND		ug/kg	37.6	2.78	1
Aroclor 1268	ND		ug/kg	37.6	5.46	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	55		30-150
Decachlorobiphenyl	47		30-150
2,4,5,6-Tetrachloro-m-xylene	51		30-150
Decachlorobiphenyl	52		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-16
 Client ID: SB022 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/16/13 21:12
 Analyst: KB
 Percent Solids: 92%

Date Collected: 07/11/13 13:55
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 11:55
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/15/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	34.2	6.75	1
Aroclor 1221	ND		ug/kg	34.2	10.3	1
Aroclor 1232	ND		ug/kg	34.2	7.26	1
Aroclor 1242	ND		ug/kg	34.2	6.48	1
Aroclor 1248	ND		ug/kg	34.2	4.13	1
Aroclor 1254	ND		ug/kg	34.2	5.38	1
Aroclor 1260	ND		ug/kg	34.2	5.93	1
Aroclor 1262	ND		ug/kg	34.2	2.53	1
Aroclor 1268	ND		ug/kg	34.2	4.96	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	64		30-150
Decachlorobiphenyl	59		30-150
2,4,5,6-Tetrachloro-m-xylene	62		30-150
Decachlorobiphenyl	73		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-17
 Client ID: SB022 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/16/13 21:24
 Analyst: KB
 Percent Solids: 88%

Date Collected: 07/11/13 14:00
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 11:55
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/15/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	36.3	7.17	1
Aroclor 1221	ND		ug/kg	36.3	10.9	1
Aroclor 1232	ND		ug/kg	36.3	7.71	1
Aroclor 1242	ND		ug/kg	36.3	6.89	1
Aroclor 1248	ND		ug/kg	36.3	4.39	1
Aroclor 1254	ND		ug/kg	36.3	5.72	1
Aroclor 1260	ND		ug/kg	36.3	6.30	1
Aroclor 1262	ND		ug/kg	36.3	2.68	1
Aroclor 1268	ND		ug/kg	36.3	5.26	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	60		30-150
Decachlorobiphenyl	59		30-150
2,4,5,6-Tetrachloro-m-xylene	62		30-150
Decachlorobiphenyl	73		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-18
 Client ID: SB022 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/16/13 21:37
 Analyst: KB
 Percent Solids: 78%

Date Collected: 07/11/13 14:05
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 11:55
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/15/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	41.2	8.15	1
Aroclor 1221	ND		ug/kg	41.2	12.4	1
Aroclor 1232	ND		ug/kg	41.2	8.76	1
Aroclor 1242	ND		ug/kg	41.2	7.83	1
Aroclor 1248	ND		ug/kg	41.2	4.99	1
Aroclor 1254	ND		ug/kg	41.2	6.50	1
Aroclor 1260	ND		ug/kg	41.2	7.16	1
Aroclor 1262	ND		ug/kg	41.2	3.05	1
Aroclor 1268	ND		ug/kg	41.2	5.98	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	62		30-150
Decachlorobiphenyl	64		30-150
2,4,5,6-Tetrachloro-m-xylene	64		30-150
Decachlorobiphenyl	74		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-19
 Client ID: SOIL_DUP_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/17/13 03:09
 Analyst: KB
 Percent Solids: 87%

Date Collected: 07/11/13 00:00
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 17:47
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/16/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	36.6	7.24	1
Aroclor 1221	ND		ug/kg	36.6	11.0	1
Aroclor 1232	ND		ug/kg	36.6	7.78	1
Aroclor 1242	ND		ug/kg	36.6	6.95	1
Aroclor 1248	ND		ug/kg	36.6	4.43	1
Aroclor 1254	ND		ug/kg	36.6	5.78	1
Aroclor 1260	ND		ug/kg	36.6	6.36	1
Aroclor 1262	ND		ug/kg	36.6	2.71	1
Aroclor 1268	ND		ug/kg	36.6	5.32	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	65		30-150
Decachlorobiphenyl	63		30-150
2,4,5,6-Tetrachloro-m-xylene	62		30-150
Decachlorobiphenyl	64		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-20
 Client ID: EQUIP_BLANK_SOIL_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 07/16/13 17:24
 Analyst: TQ

Date Collected: 07/11/13 09:25
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/15/13 08:08
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/15/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1
Aroclor 1262	ND		ug/l	0.083	0.029	1
Aroclor 1268	ND		ug/l	0.083	0.038	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	1950	Q	30-150
Decachlorobiphenyl	2680	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	1870	Q	30-150
Decachlorobiphenyl	2760	Q	30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-20 RE
 Client ID: EQUIP_BLANK_SOIL_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 07/20/13 00:25
 Analyst: TQ

Date Collected: 07/11/13 09:25
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/19/13 16:54
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/19/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1
Aroclor 1262	ND		ug/l	0.083	0.029	1
Aroclor 1268	ND		ug/l	0.083	0.038	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	67		30-150
Decachlorobiphenyl	80		30-150
2,4,5,6-Tetrachloro-m-xylene	67		30-150
Decachlorobiphenyl	79		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-21
Client ID: SB020 (GW)
Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 07/16/13 17:37
Analyst: KB

Date Collected: 07/11/13 12:20
Date Received: 07/12/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 07/15/13 08:08
Cleanup Method1: EPA 3665A
Cleanup Date1: 07/15/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1
Aroclor 1262	ND		ug/l	0.083	0.029	1
Aroclor 1268	ND		ug/l	0.083	0.038	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	64		30-150
Decachlorobiphenyl	70		30-150
2,4,5,6-Tetrachloro-m-xylene	63		30-150
Decachlorobiphenyl	70		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-22
Client ID: SB021 (GW)
Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 07/16/13 17:50
Analyst: KB

Date Collected: 07/11/13 13:00
Date Received: 07/12/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 07/15/13 08:08
Cleanup Method1: EPA 3665A
Cleanup Date1: 07/15/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1
Aroclor 1262	ND		ug/l	0.083	0.029	1
Aroclor 1268	ND		ug/l	0.083	0.038	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	65		30-150
Decachlorobiphenyl	71		30-150
2,4,5,6-Tetrachloro-m-xylene	64		30-150
Decachlorobiphenyl	73		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-23
Client ID: SB022 (GW)
Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 07/16/13 18:03
Analyst: KB

Date Collected: 07/11/13 14:40
Date Received: 07/12/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 07/15/13 08:08
Cleanup Method1: EPA 3665A
Cleanup Date1: 07/15/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1
Aroclor 1262	ND		ug/l	0.083	0.029	1
Aroclor 1268	ND		ug/l	0.083	0.038	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	73		30-150
Decachlorobiphenyl	64		30-150
2,4,5,6-Tetrachloro-m-xylene	71		30-150
Decachlorobiphenyl	68		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-24
 Client ID: GW_DUP_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 07/16/13 18:16
 Analyst: KB

Date Collected: 07/11/13 00:00
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/15/13 08:08
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/15/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1
Aroclor 1262	ND		ug/l	0.083	0.029	1
Aroclor 1268	ND		ug/l	0.083	0.038	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	67		30-150
Decachlorobiphenyl	82		30-150
2,4,5,6-Tetrachloro-m-xylene	66		30-150
Decachlorobiphenyl	87		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-25
 Client ID: EQUIP_BLANK_GW_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 07/16/13 18:30
 Analyst: KB

Date Collected: 07/11/13 08:30
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/15/13 08:08
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/15/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1
Aroclor 1262	ND		ug/l	0.083	0.029	1
Aroclor 1268	ND		ug/l	0.083	0.038	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	75		30-150
Decachlorobiphenyl	96		30-150
2,4,5,6-Tetrachloro-m-xylene	73		30-150
Decachlorobiphenyl	77		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-27
 Client ID: SB023 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/17/13 03:21
 Analyst: KB
 Percent Solids: 81%

Date Collected: 07/11/13 08:50
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 17:47
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/16/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	38.6	7.62	1
Aroclor 1221	ND		ug/kg	38.6	11.6	1
Aroclor 1232	ND		ug/kg	38.6	8.20	1
Aroclor 1242	ND		ug/kg	38.6	7.33	1
Aroclor 1248	ND		ug/kg	38.6	4.67	1
Aroclor 1254	ND		ug/kg	38.6	6.08	1
Aroclor 1260	ND		ug/kg	38.6	6.70	1
Aroclor 1262	ND		ug/kg	38.6	2.86	1
Aroclor 1268	ND		ug/kg	38.6	5.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	61		30-150
Decachlorobiphenyl	62		30-150
2,4,5,6-Tetrachloro-m-xylene	59		30-150
Decachlorobiphenyl	63		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-28
 Client ID: FD002
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/17/13 04:10
 Analyst: KB
 Percent Solids: 80%

Date Collected: 07/11/13 09:40
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 17:47
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/16/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	40.4	7.97	1
Aroclor 1221	ND		ug/kg	40.4	12.2	1
Aroclor 1232	ND		ug/kg	40.4	8.57	1
Aroclor 1242	ND		ug/kg	40.4	7.66	1
Aroclor 1248	ND		ug/kg	40.4	4.88	1
Aroclor 1254	ND		ug/kg	40.4	6.36	1
Aroclor 1260	ND		ug/kg	40.4	7.00	1
Aroclor 1262	ND		ug/kg	40.4	2.98	1
Aroclor 1268	ND		ug/kg	40.4	5.85	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	35		30-150
Decachlorobiphenyl	154	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	34		30-150
Decachlorobiphenyl	45		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-29
 Client ID: FD005
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/17/13 03:33
 Analyst: KB
 Percent Solids: 87%

Date Collected: 07/11/13 09:50
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 17:47
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/16/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.2	7.35	1
Aroclor 1221	ND		ug/kg	37.2	11.2	1
Aroclor 1232	ND		ug/kg	37.2	7.90	1
Aroclor 1242	ND		ug/kg	37.2	7.06	1
Aroclor 1248	ND		ug/kg	37.2	4.50	1
Aroclor 1254	ND		ug/kg	37.2	5.86	1
Aroclor 1260	35.2	J	ug/kg	37.2	6.46	1
Aroclor 1262	ND		ug/kg	37.2	2.75	1
Aroclor 1268	ND		ug/kg	37.2	5.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	56		30-150
Decachlorobiphenyl	61		30-150
2,4,5,6-Tetrachloro-m-xylene	57		30-150
Decachlorobiphenyl	66		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-30
 Client ID: FD007
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/17/13 03:46
 Analyst: KB
 Percent Solids: 84%

Date Collected: 07/11/13 09:20
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 17:47
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/16/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	38.5	7.61	1
Aroclor 1221	ND		ug/kg	38.5	11.6	1
Aroclor 1232	ND		ug/kg	38.5	8.18	1
Aroclor 1242	ND		ug/kg	38.5	7.31	1
Aroclor 1248	ND		ug/kg	38.5	4.66	1
Aroclor 1254	ND		ug/kg	38.5	6.07	1
Aroclor 1262	ND		ug/kg	38.5	2.85	1
Aroclor 1268	ND		ug/kg	38.5	5.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	36		30-150
Decachlorobiphenyl	39		30-150
2,4,5,6-Tetrachloro-m-xylene	31		30-150
Decachlorobiphenyl	39		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-30
 Client ID: FD007
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/17/13 03:46
 Analyst: KB
 Percent Solids: 84%

Date Collected: 07/11/13 09:20
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 17:47
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/16/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1260	121		ug/kg	38.5	6.68	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	36		30-150
Decachlorobiphenyl	39		30-150
2,4,5,6-Tetrachloro-m-xylene	31		30-150
Decachlorobiphenyl	39		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-31
Client ID: FD009
Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/20/13 11:32
Analyst: KB
Percent Solids: 54%

Date Collected: 07/11/13 10:00
Date Received: 07/12/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/15/13 17:47
Cleanup Method1: EPA 3665A
Cleanup Date1: 07/16/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	60.0	11.8	1
Aroclor 1221	ND		ug/kg	60.0	18.1	1
Aroclor 1232	ND		ug/kg	60.0	12.7	1
Aroclor 1242	ND		ug/kg	60.0	11.4	1
Aroclor 1248	ND		ug/kg	60.0	7.26	1
Aroclor 1254	ND		ug/kg	60.0	9.46	1
Aroclor 1260	189		ug/kg	60.0	10.4	1
Aroclor 1262	ND		ug/kg	60.0	4.44	1
Aroclor 1268	ND		ug/kg	60.0	8.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	60		30-150
Decachlorobiphenyl	60		30-150
2,4,5,6-Tetrachloro-m-xylene	44		30-150
Decachlorobiphenyl	64		30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-32 D
 Client ID: FD015
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/19/13 14:21
 Analyst: KB
 Percent Solids: 66%

Date Collected: 07/11/13 09:00
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 17:47
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/16/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	4940	976.	100
Aroclor 1221	ND		ug/kg	4940	1490	100
Aroclor 1232	ND		ug/kg	4940	1050	100
Aroclor 1242	ND		ug/kg	4940	938.	100
Aroclor 1248	ND		ug/kg	4940	598.	100
Aroclor 1254	ND		ug/kg	4940	779.	100
Aroclor 1260	ND		ug/kg	4940	858.	100
Aroclor 1262	ND		ug/kg	4940	366.	100
Aroclor 1268	ND		ug/kg	4940	717.	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-33 D
 Client ID: FD_DUP_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/19/13 14:34
 Analyst: KB
 Percent Solids: 82%

Date Collected: 07/11/13 00:00
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/15/13 17:47
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/16/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	976	193.	25
Aroclor 1221	ND		ug/kg	976	294.	25
Aroclor 1232	ND		ug/kg	976	207.	25
Aroclor 1242	ND		ug/kg	976	185.	25
Aroclor 1248	ND		ug/kg	976	118.	25
Aroclor 1254	ND		ug/kg	976	154.	25
Aroclor 1260	ND		ug/kg	976	169.	25
Aroclor 1262	ND		ug/kg	976	72.2	25
Aroclor 1268	ND		ug/kg	976	142.	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-34
 Client ID: EQUIP_BLANK_FD_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 07/16/13 18:43
 Analyst: KB

Date Collected: 07/11/13 10:45
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/15/13 08:08
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/15/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1
Aroclor 1262	ND		ug/l	0.083	0.029	1
Aroclor 1268	ND		ug/l	0.083	0.038	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	65		30-150
Decachlorobiphenyl	70		30-150
2,4,5,6-Tetrachloro-m-xylene	64		30-150
Decachlorobiphenyl	73		30-150

Project Name: BCP PROJECT
Project Number: RAB 1301

Lab Number: L1313126
Report Date: 07/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 07/16/13 18:56
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 07/15/13 08:08
Cleanup Method1: EPA 3665A
Cleanup Date1: 07/15/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 21-25,34 Batch: WG621574-1					
Aroclor 1016	ND		ug/l	0.083	0.055
Aroclor 1221	ND		ug/l	0.083	0.053
Aroclor 1232	ND		ug/l	0.083	0.031
Aroclor 1242	ND		ug/l	0.083	0.060
Aroclor 1248	ND		ug/l	0.083	0.051
Aroclor 1254	ND		ug/l	0.083	0.034
Aroclor 1260	ND		ug/l	0.083	0.032
Aroclor 1262	ND		ug/l	0.083	0.029
Aroclor 1268	ND		ug/l	0.083	0.038

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	57		30-150
Decachlorobiphenyl	91		30-150
2,4,5,6-Tetrachloro-m-xylene	56		30-150
Decachlorobiphenyl	98		30-150

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 07/16/13 20:23
 Analyst: KB

Extraction Method: EPA 3546
 Extraction Date: 07/15/13 11:54
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/15/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/15/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-18 Batch: WG621656-1					
Aroclor 1016	ND		ug/kg	32.0	6.31
Aroclor 1221	ND		ug/kg	32.0	9.64
Aroclor 1232	ND		ug/kg	32.0	6.79
Aroclor 1242	ND		ug/kg	32.0	6.07
Aroclor 1248	ND		ug/kg	32.0	3.87
Aroclor 1254	ND		ug/kg	32.0	5.04
Aroclor 1260	ND		ug/kg	32.0	5.55
Aroclor 1262	ND		ug/kg	32.0	2.36
Aroclor 1268	ND		ug/kg	32.0	4.64

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	59		30-150
Decachlorobiphenyl	65		30-150
2,4,5,6-Tetrachloro-m-xylene	57		30-150
Decachlorobiphenyl	73		30-150

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 07/19/13 13:21
 Analyst: KB

Extraction Method: EPA 3546
 Extraction Date: 07/15/13 17:47
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/16/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 19,27-33 Batch: WG622947-1					
Aroclor 1016	ND		ug/kg	32.6	6.44
Aroclor 1221	ND		ug/kg	32.6	9.84
Aroclor 1232	ND		ug/kg	32.6	6.93
Aroclor 1242	ND		ug/kg	32.6	6.19
Aroclor 1248	ND		ug/kg	32.6	3.95
Aroclor 1254	ND		ug/kg	32.6	5.14
Aroclor 1260	ND		ug/kg	32.6	5.66
Aroclor 1262	ND		ug/kg	32.6	2.41
Aroclor 1268	ND		ug/kg	32.6	4.73

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	97		30-150
Decachlorobiphenyl	89		30-150
2,4,5,6-Tetrachloro-m-xylene	79		30-150
Decachlorobiphenyl	82		30-150

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 07/20/13 00:38
 Analyst: TQ

Extraction Method: EPA 3510C
 Extraction Date: 07/19/13 16:54
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 07/19/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 07/19/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 20 Batch: WG622995-1					
Aroclor 1016	ND		ug/l	0.083	0.055
Aroclor 1221	ND		ug/l	0.083	0.053
Aroclor 1232	ND		ug/l	0.083	0.031
Aroclor 1242	ND		ug/l	0.083	0.060
Aroclor 1248	ND		ug/l	0.083	0.051
Aroclor 1254	ND		ug/l	0.083	0.034
Aroclor 1260	ND		ug/l	0.083	0.032
Aroclor 1262	ND		ug/l	0.083	0.029
Aroclor 1268	ND		ug/l	0.083	0.038

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	66		30-150
Decachlorobiphenyl	85		30-150
2,4,5,6-Tetrachloro-m-xylene	67		30-150
Decachlorobiphenyl	88		30-150

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 21-25,34 QC Batch ID: WG621574-4 WG621574-5 QC Sample: L1313126-21
Client ID: SB020 (GW)

Aroclor 1016	ND	2.6	1.84	71		1.59	61		40-140	15		50
Aroclor 1260	ND	2.6	1.97	76		1.68	64		40-140	16		50

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
2,4,5,6-Tetrachloro-m-xylene	68		59		30-150
Decachlorobiphenyl	83		64		30-150
2,4,5,6-Tetrachloro-m-xylene	67		58		30-150
Decachlorobiphenyl	85		65		30-150

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT
Project Number: RAB 1301

Lab Number: L1313126
Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-18 QC Batch ID: WG621656-4 WG621656-5 QC Sample: L1313126-01 Client ID: SB017 (0-2')												
Aroclor 1016	ND	216	183	85		182	87		40-140	1		50
Aroclor 1260	ND	216	158	73		185	89		40-140	16		50

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
2,4,5,6-Tetrachloro-m-xylene	73		78		30-150
Decachlorobiphenyl	66		74		30-150
2,4,5,6-Tetrachloro-m-xylene	68		73		30-150
Decachlorobiphenyl	79		97		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 21-25,34 Batch: WG621574-2 WG621574-3								
Aroclor 1016	63		66		40-140	5		50
Aroclor 1260	68		71		40-140	3		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	57		58		30-150
Decachlorobiphenyl	90		95		30-150
2,4,5,6-Tetrachloro-m-xylene	55		57		30-150
Decachlorobiphenyl	94		99		30-150

Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-18 Batch: WG621656-2 WG621656-3								
Aroclor 1016	81		76		40-140	6		50
Aroclor 1260	70		65		40-140	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	72		71		30-150
Decachlorobiphenyl	67		65		30-150
2,4,5,6-Tetrachloro-m-xylene	67		66		30-150
Decachlorobiphenyl	72		70		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 19,27-33 Batch: WG622947-2 WG622947-3								
Aroclor 1016	109		99		40-140	10		50
Aroclor 1260	90		78		40-140	14		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	95		85		30-150
Decachlorobiphenyl	86		78		30-150
2,4,5,6-Tetrachloro-m-xylene	79		78		30-150
Decachlorobiphenyl	84		80		30-150

Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 20 Batch: WG622995-2 WG622995-3								
Aroclor 1016	69		65		40-140	7		50
Aroclor 1260	73		73		40-140	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	66		63		30-150
Decachlorobiphenyl	86		84		30-150
2,4,5,6-Tetrachloro-m-xylene	67		63		30-150
Decachlorobiphenyl	88		86		30-150

PESTICIDES

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-01 D
 Client ID: SB017 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/17/13 19:19
 Analyst: SR
 Percent Solids: 94%

Date Collected: 07/11/13 11:15
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 10:30
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	8.42	1.65	5
Lindane	ND		ug/kg	3.51	1.57	5
Alpha-BHC	ND		ug/kg	3.51	0.996	5
Beta-BHC	ND		ug/kg	8.42	3.19	5
Heptachlor	ND		ug/kg	4.21	1.89	5
Aldrin	ND		ug/kg	8.42	2.96	5
Heptachlor epoxide	ND		ug/kg	15.8	4.74	5
Endrin	ND		ug/kg	3.51	1.44	5
Endrin ketone	ND		ug/kg	8.42	2.17	5
Dieldrin	ND		ug/kg	5.26	2.63	5
4,4'-DDD	ND		ug/kg	8.42	3.00	5
4,4'-DDT	ND		ug/kg	15.8	6.77	5
Endosulfan I	ND		ug/kg	8.42	1.99	5
Endosulfan II	ND		ug/kg	8.42	2.81	5
Endosulfan sulfate	ND		ug/kg	3.51	1.60	5
Methoxychlor	ND		ug/kg	15.8	4.91	5
Toxaphene	ND		ug/kg	158	44.2	5
cis-Chlordane	ND		ug/kg	10.5	2.93	5
trans-Chlordane	ND		ug/kg	10.5	2.78	5
Chlordane	ND		ug/kg	68.4	27.9	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	130		30-150	A
Decachlorobiphenyl	112		30-150	A
2,4,5,6-Tetrachloro-m-xylene	123		30-150	B
Decachlorobiphenyl	169	Q	30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-01 D
 Client ID: SB017 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/17/13 19:19
 Analyst: SR
 Percent Solids: 94%

Date Collected: 07/11/13 11:15
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 10:30
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
4,4'-DDE	7.58	JP	ug/kg	8.42	1.95	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	130		30-150	A
Decachlorobiphenyl	112		30-150	A
2,4,5,6-Tetrachloro-m-xylene	123		30-150	B
Decachlorobiphenyl	169	Q	30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-02
 Client ID: SB017 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/17/13 19:32
 Analyst: SR
 Percent Solids: 91%

Date Collected: 07/11/13 11:20
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 10:30
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.73	0.339	1
Lindane	ND		ug/kg	0.722	0.323	1
Alpha-BHC	ND		ug/kg	0.722	0.205	1
Beta-BHC	ND		ug/kg	1.73	0.657	1
Heptachlor	ND		ug/kg	0.866	0.388	1
Aldrin	ND		ug/kg	1.73	0.610	1
Heptachlor epoxide	ND		ug/kg	3.25	0.974	1
Endrin	ND		ug/kg	0.722	0.296	1
Endrin ketone	ND		ug/kg	1.73	0.446	1
Dieldrin	ND		ug/kg	1.08	0.541	1
4,4'-DDE	ND		ug/kg	1.73	0.401	1
4,4'-DDD	ND		ug/kg	1.73	0.618	1
4,4'-DDT	ND		ug/kg	3.25	1.39	1
Endosulfan I	ND		ug/kg	1.73	0.409	1
Endosulfan II	ND		ug/kg	1.73	0.579	1
Endosulfan sulfate	ND		ug/kg	0.722	0.330	1
Methoxychlor	ND		ug/kg	3.25	1.01	1
Toxaphene	ND		ug/kg	32.5	9.10	1
cis-Chlordane	ND		ug/kg	2.16	0.603	1
trans-Chlordane	ND		ug/kg	2.16	0.572	1
Chlordane	ND		ug/kg	14.1	5.74	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-03 D
 Client ID: SB017 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/18/13 15:37
 Analyst: SR
 Percent Solids: 81%

Date Collected: 07/11/13 11:25
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 10:30
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	19.6	3.84	10
Lindane	ND		ug/kg	8.18	3.65	10
Alpha-BHC	ND		ug/kg	8.18	2.32	10
Beta-BHC	ND		ug/kg	19.6	7.44	10
Heptachlor	ND		ug/kg	9.81	4.40	10
Aldrin	ND		ug/kg	19.6	6.91	10
Heptachlor epoxide	ND		ug/kg	36.8	11.0	10
Endrin	ND		ug/kg	8.18	3.35	10
Endrin ketone	ND		ug/kg	19.6	5.05	10
Dieldrin	ND		ug/kg	12.3	6.13	10
4,4'-DDE	ND		ug/kg	19.6	4.54	10
4,4'-DDD	ND		ug/kg	19.6	7.00	10
4,4'-DDT	ND		ug/kg	36.8	15.8	10
Endosulfan I	ND		ug/kg	19.6	4.64	10
Endosulfan II	ND		ug/kg	19.6	6.56	10
Endosulfan sulfate	ND		ug/kg	8.18	3.74	10
Methoxychlor	ND		ug/kg	36.8	11.4	10
Toxaphene	ND		ug/kg	368	103.	10
cis-Chlordane	ND		ug/kg	24.5	6.84	10
trans-Chlordane	ND		ug/kg	24.5	6.48	10
Chlordane	ND		ug/kg	159	65.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	127		30-150	A
Decachlorobiphenyl	133		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	109		30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-04
 Client ID: SB018 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/17/13 19:57
 Analyst: SR
 Percent Solids: 88%

Date Collected: 07/11/13 13:10
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 10:30
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Alpha-BHC	0.512	JP	ug/kg	0.732	0.208	1
Dieldrin	1.72		ug/kg	1.10	0.549	1
4,4'-DDE	4.79	P	ug/kg	1.76	0.406	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	131		30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-04
 Client ID: SB018 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/17/13 19:57
 Analyst: SR
 Percent Solids: 88%

Date Collected: 07/11/13 13:10
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 10:30
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.76	0.344	1
Lindane	ND		ug/kg	0.732	0.327	1
Beta-BHC	ND		ug/kg	1.76	0.666	1
Heptachlor	ND		ug/kg	0.878	0.394	1
Aldrin	ND		ug/kg	1.76	0.618	1
Heptachlor epoxide	ND		ug/kg	3.29	0.988	1
Endrin	ND		ug/kg	0.732	0.300	1
Endrin ketone	ND		ug/kg	1.76	0.452	1
4,4'-DDD	ND		ug/kg	1.76	0.627	1
4,4'-DDT	ND		ug/kg	3.29	1.41	1
Endosulfan I	ND		ug/kg	1.76	0.415	1
Endosulfan II	ND		ug/kg	1.76	0.587	1
Endosulfan sulfate	ND		ug/kg	0.732	0.334	1
Methoxychlor	ND		ug/kg	3.29	1.02	1
Toxaphene	ND		ug/kg	32.9	9.22	1
cis-Chlordane	ND		ug/kg	2.20	0.612	1
trans-Chlordane	ND		ug/kg	2.20	0.580	1
Chlordane	ND		ug/kg	14.3	5.82	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	131		30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-05
 Client ID: SB018 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/17/13 20:10
 Analyst: SR
 Percent Solids: 85%

Date Collected: 07/11/13 13:15
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 10:30
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.84	0.361	1
Lindane	ND		ug/kg	0.768	0.343	1
Alpha-BHC	ND		ug/kg	0.768	0.218	1
Beta-BHC	ND		ug/kg	1.84	0.699	1
Heptachlor	ND		ug/kg	0.922	0.413	1
Aldrin	ND		ug/kg	1.84	0.649	1
Heptachlor epoxide	ND		ug/kg	3.46	1.04	1
Endrin	ND		ug/kg	0.768	0.315	1
Endrin ketone	ND		ug/kg	1.84	0.475	1
Dieldrin	ND		ug/kg	1.15	0.576	1
4,4'-DDE	ND		ug/kg	1.84	0.426	1
4,4'-DDD	ND		ug/kg	1.84	0.658	1
4,4'-DDT	ND		ug/kg	3.46	1.48	1
Endosulfan I	ND		ug/kg	1.84	0.436	1
Endosulfan II	ND		ug/kg	1.84	0.616	1
Endosulfan sulfate	ND		ug/kg	0.768	0.351	1
Methoxychlor	ND		ug/kg	3.46	1.08	1
Toxaphene	ND		ug/kg	34.6	9.68	1
cis-Chlordane	ND		ug/kg	2.30	0.642	1
trans-Chlordane	ND		ug/kg	2.30	0.608	1
Chlordane	ND		ug/kg	15.0	6.11	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	187	Q	30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-06
 Client ID: SB018 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/17/13 20:23
 Analyst: SR
 Percent Solids: 86%

Date Collected: 07/11/13 13:20
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 10:30
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.82	0.357	1
Lindane	ND		ug/kg	0.759	0.339	1
Alpha-BHC	ND		ug/kg	0.759	0.216	1
Beta-BHC	ND		ug/kg	1.82	0.691	1
Heptachlor	ND		ug/kg	0.911	0.408	1
Aldrin	ND		ug/kg	1.82	0.641	1
Heptachlor epoxide	ND		ug/kg	3.42	1.02	1
Endrin	ND		ug/kg	0.759	0.311	1
Endrin ketone	ND		ug/kg	1.82	0.469	1
Dieldrin	ND		ug/kg	1.14	0.569	1
4,4'-DDE	ND		ug/kg	1.82	0.421	1
4,4'-DDD	ND		ug/kg	1.82	0.650	1
4,4'-DDT	ND		ug/kg	3.42	1.46	1
Endosulfan I	ND		ug/kg	1.82	0.430	1
Endosulfan II	ND		ug/kg	1.82	0.609	1
Endosulfan sulfate	ND		ug/kg	0.759	0.347	1
Methoxychlor	ND		ug/kg	3.42	1.06	1
Toxaphene	ND		ug/kg	34.2	9.56	1
cis-Chlordane	ND		ug/kg	2.28	0.634	1
trans-Chlordane	ND		ug/kg	2.28	0.601	1
Chlordane	ND		ug/kg	14.8	6.03	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-07
Client ID: SB019 (0-2')
Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/17/13 20:36
Analyst: SR
Percent Solids: 86%

Date Collected: 07/11/13 15:20
Date Received: 07/12/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/14/13 10:30
Cleanup Method1: EPA 3620B
Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.79	0.351	1
Lindane	ND		ug/kg	0.747	0.334	1
Alpha-BHC	ND		ug/kg	0.747	0.212	1
Beta-BHC	ND		ug/kg	1.79	0.680	1
Heptachlor	ND		ug/kg	0.896	0.402	1
Aldrin	ND		ug/kg	1.79	0.631	1
Heptachlor epoxide	ND		ug/kg	3.36	1.01	1
Endrin	ND		ug/kg	0.747	0.306	1
Endrin ketone	ND		ug/kg	1.79	0.462	1
Dieldrin	ND		ug/kg	1.12	0.560	1
4,4'-DDE	3.28		ug/kg	1.79	0.415	1
4,4'-DDD	ND		ug/kg	1.79	0.640	1
4,4'-DDT	ND		ug/kg	3.36	1.44	1
Endosulfan I	ND		ug/kg	1.79	0.424	1
Endosulfan II	ND		ug/kg	1.79	0.599	1
Endosulfan sulfate	ND		ug/kg	0.747	0.341	1
Methoxychlor	ND		ug/kg	3.36	1.04	1
Toxaphene	ND		ug/kg	33.6	9.41	1
cis-Chlordane	ND		ug/kg	2.24	0.624	1
trans-Chlordane	ND		ug/kg	2.24	0.592	1
Chlordane	ND		ug/kg	14.6	5.94	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-08
 Client ID: SB019 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/19/13 16:11
 Analyst: SR
 Percent Solids: 80%

Date Collected: 07/11/13 15:25
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 10:30
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.90	0.372	1
Lindane	ND		ug/kg	0.792	0.354	1
Alpha-BHC	ND		ug/kg	0.792	0.225	1
Beta-BHC	ND		ug/kg	1.90	0.721	1
Heptachlor	ND		ug/kg	0.951	0.426	1
Aldrin	ND		ug/kg	1.90	0.669	1
Heptachlor epoxide	ND		ug/kg	3.56	1.07	1
Endrin	ND		ug/kg	0.792	0.325	1
Endrin ketone	ND		ug/kg	1.90	0.490	1
Dieldrin	ND		ug/kg	1.19	0.594	1
4,4'-DDE	ND		ug/kg	1.90	0.440	1
4,4'-DDD	ND		ug/kg	1.90	0.678	1
4,4'-DDT	ND		ug/kg	3.56	1.53	1
Endosulfan I	ND		ug/kg	1.90	0.449	1
Endosulfan II	ND		ug/kg	1.90	0.635	1
Endosulfan sulfate	ND		ug/kg	0.792	0.362	1
Methoxychlor	ND		ug/kg	3.56	1.11	1
Toxaphene	ND		ug/kg	35.6	9.98	1
cis-Chlordane	ND		ug/kg	2.38	0.662	1
trans-Chlordane	ND		ug/kg	2.38	0.627	1
Chlordane	ND		ug/kg	15.4	6.30	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-09 D
 Client ID: SB019 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/19/13 03:10
 Analyst: SR
 Percent Solids: 86%

Date Collected: 07/11/13 15:30
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 10:30
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	35.3	6.92	20
Lindane	ND		ug/kg	14.7	6.58	20
Alpha-BHC	ND		ug/kg	14.7	4.18	20
Beta-BHC	ND		ug/kg	35.3	13.4	20
Heptachlor	ND		ug/kg	17.7	7.92	20
Aldrin	ND		ug/kg	35.3	12.4	20
Heptachlor epoxide	ND		ug/kg	66.2	19.9	20
Endrin	ND		ug/kg	14.7	6.04	20
Endrin ketone	ND		ug/kg	35.3	9.10	20
Dieldrin	ND		ug/kg	22.1	11.0	20
4,4'-DDE	ND		ug/kg	35.3	8.17	20
4,4'-DDD	ND		ug/kg	35.3	12.6	20
4,4'-DDT	ND		ug/kg	66.2	28.4	20
Endosulfan I	ND		ug/kg	35.3	8.35	20
Endosulfan II	ND		ug/kg	35.3	11.8	20
Endosulfan sulfate	ND		ug/kg	14.7	6.73	20
Methoxychlor	ND		ug/kg	66.2	20.6	20
Toxaphene	ND		ug/kg	662	185.	20
cis-Chlordane	ND		ug/kg	44.2	12.3	20
trans-Chlordane	ND		ug/kg	44.2	11.6	20
Chlordane	ND		ug/kg	287	117.	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	A
Decachlorobiphenyl	0	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	B
Decachlorobiphenyl	0	Q	30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-10 D
 Client ID: SB020 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/19/13 03:23
 Analyst: SR
 Percent Solids: 90%

Date Collected: 07/11/13 11:45
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 10:30
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	34.8	6.82	20
Lindane	ND		ug/kg	14.5	6.49	20
Alpha-BHC	ND		ug/kg	14.5	4.12	20
Beta-BHC	ND		ug/kg	34.8	13.2	20
Heptachlor	ND		ug/kg	17.4	7.81	20
Aldrin	ND		ug/kg	34.8	12.3	20
Heptachlor epoxide	ND		ug/kg	65.3	19.6	20
Endrin	ND		ug/kg	14.5	5.95	20
Endrin ketone	ND		ug/kg	34.8	8.97	20
Dieldrin	ND		ug/kg	21.8	10.9	20
4,4'-DDE	ND		ug/kg	34.8	8.06	20
4,4'-DDD	ND		ug/kg	34.8	12.4	20
4,4'-DDT	ND		ug/kg	65.3	28.0	20
Endosulfan I	ND		ug/kg	34.8	8.23	20
Endosulfan II	ND		ug/kg	34.8	11.6	20
Endosulfan sulfate	ND		ug/kg	14.5	6.63	20
Methoxychlor	ND		ug/kg	65.3	20.3	20
Toxaphene	ND		ug/kg	653	183.	20
cis-Chlordane	ND		ug/kg	43.6	12.1	20
trans-Chlordane	ND		ug/kg	43.6	11.5	20
Chlordane	ND		ug/kg	283	115.	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	A
Decachlorobiphenyl	0	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	B
Decachlorobiphenyl	0	Q	30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-11 D
 Client ID: SB020 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/19/13 03:36
 Analyst: SR
 Percent Solids: 94%

Date Collected: 07/11/13 12:00
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 10:31
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	8.36	1.64	5
Lindane	ND		ug/kg	3.48	1.56	5
Alpha-BHC	ND		ug/kg	3.48	0.989	5
Beta-BHC	ND		ug/kg	8.36	3.17	5
Heptachlor	ND		ug/kg	4.18	1.87	5
Aldrin	ND		ug/kg	8.36	2.94	5
Heptachlor epoxide	ND		ug/kg	15.7	4.70	5
Endrin	ND		ug/kg	3.48	1.43	5
Endrin ketone	ND		ug/kg	8.36	2.15	5
Dieldrin	ND		ug/kg	5.22	2.61	5
4,4'-DDE	ND		ug/kg	8.36	1.93	5
4,4'-DDD	ND		ug/kg	8.36	2.98	5
4,4'-DDT	ND		ug/kg	15.7	6.72	5
Endosulfan I	ND		ug/kg	8.36	1.97	5
Endosulfan II	ND		ug/kg	8.36	2.79	5
Endosulfan sulfate	ND		ug/kg	3.48	1.59	5
Methoxychlor	ND		ug/kg	15.7	4.88	5
Toxaphene	ND		ug/kg	157	43.9	5
cis-Chlordane	ND		ug/kg	10.4	2.91	5
trans-Chlordane	ND		ug/kg	10.4	2.76	5
Chlordane	ND		ug/kg	67.9	27.7	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-12 D
 Client ID: SB020 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/19/13 14:42
 Analyst: SR
 Percent Solids: 81%

Date Collected: 07/11/13 12:15
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 10:31
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	38.7	7.58	20
Lindane	ND		ug/kg	16.1	7.21	20
Alpha-BHC	ND		ug/kg	16.1	4.58	20
Beta-BHC	ND		ug/kg	38.7	14.7	20
Heptachlor	ND		ug/kg	19.4	8.68	20
Aldrin	ND		ug/kg	38.7	13.6	20
Heptachlor epoxide	ND		ug/kg	72.6	21.8	20
Endrin	ND		ug/kg	16.1	6.61	20
Endrin ketone	ND		ug/kg	38.7	9.97	20
Dieldrin	ND		ug/kg	24.2	12.1	20
4,4'-DDE	ND		ug/kg	38.7	8.95	20
4,4'-DDD	ND		ug/kg	38.7	13.8	20
4,4'-DDT	ND		ug/kg	72.6	31.1	20
Endosulfan I	ND		ug/kg	38.7	9.14	20
Endosulfan II	ND		ug/kg	38.7	12.9	20
Endosulfan sulfate	ND		ug/kg	16.1	7.37	20
Methoxychlor	ND		ug/kg	72.6	22.6	20
Toxaphene	ND		ug/kg	726	203.	20
cis-Chlordane	ND		ug/kg	48.4	13.5	20
trans-Chlordane	ND		ug/kg	48.4	12.8	20
Chlordane	ND		ug/kg	314	128.	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	A
Decachlorobiphenyl	0	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	B
Decachlorobiphenyl	0	Q	30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-13 D
 Client ID: SB021 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/19/13 03:49
 Analyst: SR
 Percent Solids: 88%

Date Collected: 07/11/13 12:40
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 10:31
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	8.69	1.70	5
Lindane	ND		ug/kg	3.62	1.62	5
Alpha-BHC	ND		ug/kg	3.62	1.03	5
Beta-BHC	ND		ug/kg	8.69	3.30	5
Heptachlor	ND		ug/kg	4.35	1.95	5
Aldrin	ND		ug/kg	8.69	3.06	5
Heptachlor epoxide	ND		ug/kg	16.3	4.89	5
Endrin ketone	ND		ug/kg	8.69	2.24	5
Dieldrin	ND		ug/kg	5.43	2.72	5
4,4'-DDD	ND		ug/kg	8.69	3.10	5
4,4'-DDT	ND		ug/kg	16.3	6.99	5
Endosulfan I	ND		ug/kg	8.69	2.05	5
Endosulfan II	ND		ug/kg	8.69	2.90	5
Endosulfan sulfate	ND		ug/kg	3.62	1.66	5
Methoxychlor	ND		ug/kg	16.3	5.07	5
Toxaphene	ND		ug/kg	163	45.6	5
cis-Chlordane	ND		ug/kg	10.9	3.03	5
trans-Chlordane	ND		ug/kg	10.9	2.87	5
Chlordane	ND		ug/kg	70.6	28.8	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	172	Q	30-150	A
Decachlorobiphenyl	131		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	138		30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-13 D
 Client ID: SB021 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/19/13 03:49
 Analyst: SR
 Percent Solids: 88%

Date Collected: 07/11/13 12:40
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 10:31
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Endrin	2.90	JP	ug/kg	3.62	1.48	5
4,4'-DDE	3.00	J	ug/kg	8.69	2.01	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	172	Q	30-150	A
Decachlorobiphenyl	131		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	138		30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-14 D
 Client ID: SB021 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/19/13 07:01
 Analyst: SR
 Percent Solids: 60%

Date Collected: 07/11/13 12:45
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 10:31
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	13.0	2.54	5
Lindane	ND		ug/kg	5.41	2.42	5
Alpha-BHC	ND		ug/kg	5.41	1.54	5
Beta-BHC	ND		ug/kg	13.0	4.92	5
Heptachlor	ND		ug/kg	6.49	2.91	5
Aldrin	ND		ug/kg	13.0	4.57	5
Heptachlor epoxide	ND		ug/kg	24.4	7.31	5
Endrin	ND		ug/kg	5.41	2.22	5
Endrin ketone	ND		ug/kg	13.0	3.34	5
Dieldrin	ND		ug/kg	8.12	4.06	5
4,4'-DDE	ND		ug/kg	13.0	3.00	5
4,4'-DDD	ND		ug/kg	13.0	4.63	5
4,4'-DDT	ND		ug/kg	24.4	10.4	5
Endosulfan I	ND		ug/kg	13.0	3.07	5
Endosulfan II	ND		ug/kg	13.0	4.34	5
Endosulfan sulfate	ND		ug/kg	5.41	2.47	5
Methoxychlor	ND		ug/kg	24.4	7.58	5
Toxaphene	ND		ug/kg	244	68.2	5
cis-Chlordane	ND		ug/kg	16.2	4.52	5
trans-Chlordane	ND		ug/kg	16.2	4.29	5
Chlordane	ND		ug/kg	106	43.0	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	109		30-150	A
Decachlorobiphenyl	232	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	222	Q	30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-15 D
 Client ID: SB021 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/19/13 14:54
 Analyst: SR
 Percent Solids: 86%

Date Collected: 07/11/13 12:50
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 10:31
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	178	34.9	100
Lindane	ND		ug/kg	74.2	33.2	100
Alpha-BHC	ND		ug/kg	74.2	21.1	100
Beta-BHC	ND		ug/kg	178	67.5	100
Heptachlor	ND		ug/kg	89.0	39.9	100
Aldrin	ND		ug/kg	178	62.7	100
Heptachlor epoxide	ND		ug/kg	334	100.	100
Endrin	ND		ug/kg	74.2	30.4	100
Endrin ketone	ND		ug/kg	178	45.8	100
Dieldrin	ND		ug/kg	111	55.6	100
4,4'-DDE	ND		ug/kg	178	41.2	100
4,4'-DDD	ND		ug/kg	178	63.5	100
4,4'-DDT	ND		ug/kg	334	143.	100
Endosulfan I	ND		ug/kg	178	42.0	100
Endosulfan II	ND		ug/kg	178	59.5	100
Endosulfan sulfate	ND		ug/kg	74.2	33.9	100
Methoxychlor	ND		ug/kg	334	104.	100
Toxaphene	ND		ug/kg	3340	934.	100
cis-Chlordane	ND		ug/kg	222	62.0	100
trans-Chlordane	ND		ug/kg	222	58.7	100
Chlordane	ND		ug/kg	1450	590.	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	A
Decachlorobiphenyl	0	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	B
Decachlorobiphenyl	0	Q	30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-16 D
 Client ID: SB022 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/19/13 07:26
 Analyst: SR
 Percent Solids: 92%

Date Collected: 07/11/13 13:55
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 10:31
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	8.53	1.67	5
Lindane	ND		ug/kg	3.55	1.59	5
Alpha-BHC	ND		ug/kg	3.55	1.01	5
Beta-BHC	ND		ug/kg	8.53	3.23	5
Heptachlor	ND		ug/kg	4.26	1.91	5
Aldrin	ND		ug/kg	8.53	3.00	5
Heptachlor epoxide	ND		ug/kg	16.0	4.80	5
Endrin	ND		ug/kg	3.55	1.46	5
Endrin ketone	ND		ug/kg	8.53	2.20	5
Dieldrin	ND		ug/kg	5.33	2.66	5
4,4'-DDE	3.20	J	ug/kg	8.53	1.97	5
4,4'-DDD	ND		ug/kg	8.53	3.04	5
4,4'-DDT	ND		ug/kg	16.0	6.86	5
Endosulfan I	ND		ug/kg	8.53	2.01	5
Endosulfan II	ND		ug/kg	8.53	2.85	5
Endosulfan sulfate	ND		ug/kg	3.55	1.62	5
Methoxychlor	ND		ug/kg	16.0	4.98	5
Toxaphene	ND		ug/kg	160	44.8	5
cis-Chlordane	ND		ug/kg	10.7	2.97	5
trans-Chlordane	ND		ug/kg	10.7	2.81	5
Chlordane	ND		ug/kg	69.3	28.2	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	126		30-150	A
Decachlorobiphenyl	157	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	242	Q	30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-17 D
 Client ID: SB022 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/19/13 07:39
 Analyst: SR
 Percent Solids: 88%

Date Collected: 07/11/13 14:00
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 10:31
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	8.98	1.76	5
Lindane	ND		ug/kg	3.74	1.67	5
Alpha-BHC	ND		ug/kg	3.74	1.06	5
Beta-BHC	ND		ug/kg	8.98	3.41	5
Heptachlor	ND		ug/kg	4.49	2.01	5
Aldrin	ND		ug/kg	8.98	3.16	5
Heptachlor epoxide	ND		ug/kg	16.8	5.05	5
Endrin	ND		ug/kg	3.74	1.54	5
Endrin ketone	ND		ug/kg	8.98	2.31	5
Dieldrin	ND		ug/kg	5.62	2.81	5
4,4'-DDE	6.03	J	ug/kg	8.98	2.08	5
4,4'-DDD	ND		ug/kg	8.98	3.20	5
4,4'-DDT	ND		ug/kg	16.8	7.23	5
Endosulfan I	ND		ug/kg	8.98	2.12	5
Endosulfan II	ND		ug/kg	8.98	3.00	5
Endosulfan sulfate	ND		ug/kg	3.74	1.71	5
Methoxychlor	ND		ug/kg	16.8	5.24	5
Toxaphene	ND		ug/kg	168	47.2	5
cis-Chlordane	ND		ug/kg	11.2	3.13	5
trans-Chlordane	ND		ug/kg	11.2	2.96	5
Chlordane	ND		ug/kg	73.0	29.8	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	136		30-150	A
Decachlorobiphenyl	162	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	110		30-150	B
Decachlorobiphenyl	229	Q	30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-18
 Client ID: SB022 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/19/13 07:52
 Analyst: SR
 Percent Solids: 78%

Date Collected: 07/11/13 14:05
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 10:31
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.99	0.389	1
Lindane	ND		ug/kg	0.828	0.370	1
Alpha-BHC	ND		ug/kg	0.828	0.235	1
Beta-BHC	ND		ug/kg	1.99	0.753	1
Heptachlor	ND		ug/kg	0.993	0.445	1
Aldrin	ND		ug/kg	1.99	0.699	1
Heptachlor epoxide	ND		ug/kg	3.72	1.12	1
Endrin	ND		ug/kg	0.828	0.339	1
Endrin ketone	ND		ug/kg	1.99	0.511	1
Dieldrin	ND		ug/kg	1.24	0.621	1
4,4'-DDE	ND		ug/kg	1.99	0.459	1
4,4'-DDD	ND		ug/kg	1.99	0.708	1
4,4'-DDT	ND		ug/kg	3.72	1.60	1
Endosulfan I	ND		ug/kg	1.99	0.469	1
Endosulfan II	ND		ug/kg	1.99	0.664	1
Endosulfan sulfate	ND		ug/kg	0.828	0.378	1
Methoxychlor	ND		ug/kg	3.72	1.16	1
Toxaphene	ND		ug/kg	37.2	10.4	1
cis-Chlordane	ND		ug/kg	2.48	0.692	1
trans-Chlordane	ND		ug/kg	2.48	0.656	1
Chlordane	ND		ug/kg	16.1	6.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	105		30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-19 D
 Client ID: SOIL_DUP_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/19/13 08:05
 Analyst: SR
 Percent Solids: 87%

Date Collected: 07/11/13 00:00
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 10:31
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	8.94	1.75	5
Lindane	ND		ug/kg	3.72	1.66	5
Alpha-BHC	ND		ug/kg	3.72	1.06	5
Beta-BHC	ND		ug/kg	8.94	3.39	5
Heptachlor	ND		ug/kg	4.47	2.00	5
Aldrin	ND		ug/kg	8.94	3.15	5
Heptachlor epoxide	ND		ug/kg	16.8	5.03	5
Endrin	ND		ug/kg	3.72	1.53	5
Endrin ketone	ND		ug/kg	8.94	2.30	5
Dieldrin	ND		ug/kg	5.58	2.79	5
4,4'-DDE	ND		ug/kg	8.94	2.07	5
4,4'-DDD	ND		ug/kg	8.94	3.19	5
4,4'-DDT	ND		ug/kg	16.8	7.19	5
Endosulfan I	ND		ug/kg	8.94	2.11	5
Endosulfan II	ND		ug/kg	8.94	2.99	5
Endosulfan sulfate	ND		ug/kg	3.72	1.70	5
Methoxychlor	ND		ug/kg	16.8	5.21	5
Toxaphene	ND		ug/kg	168	46.9	5
cis-Chlordane	ND		ug/kg	11.2	3.11	5
trans-Chlordane	ND		ug/kg	11.2	2.95	5
Chlordane	ND		ug/kg	72.6	29.6	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	186	Q	30-150	A
Decachlorobiphenyl	114		30-150	A
2,4,5,6-Tetrachloro-m-xylene	105		30-150	B
Decachlorobiphenyl	118		30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-20
 Client ID: EQUIP_BLANK_SOIL_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 07/16/13 12:08
 Analyst: BW

Date Collected: 07/11/13 09:25
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/13/13 14:49
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.020	0.005	1
Lindane	ND		ug/l	0.020	0.004	1
Alpha-BHC	ND		ug/l	0.020	0.004	1
Beta-BHC	ND		ug/l	0.020	0.006	1
Heptachlor	ND		ug/l	0.020	0.003	1
Aldrin	ND		ug/l	0.020	0.002	1
Heptachlor epoxide	ND		ug/l	0.020	0.004	1
Endrin	ND		ug/l	0.040	0.004	1
Endrin ketone	ND		ug/l	0.040	0.005	1
Dieldrin	ND		ug/l	0.040	0.004	1
4,4'-DDE	ND		ug/l	0.040	0.004	1
4,4'-DDD	ND		ug/l	0.040	0.005	1
4,4'-DDT	ND		ug/l	0.040	0.004	1
Endosulfan I	ND		ug/l	0.020	0.003	1
Endosulfan II	ND		ug/l	0.040	0.005	1
Endosulfan sulfate	ND		ug/l	0.040	0.005	1
Methoxychlor	ND		ug/l	0.200	0.007	1
Toxaphene	ND		ug/l	0.200	0.063	1
cis-Chlordane	ND		ug/l	0.020	0.007	1
trans-Chlordane	ND		ug/l	0.020	0.006	1
Chlordane	ND		ug/l	0.200	0.046	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-21
 Client ID: SB020 (GW)
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 07/16/13 12:21
 Analyst: BW

Date Collected: 07/11/13 12:20
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/13/13 14:49
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.020	0.005	1
Lindane	ND		ug/l	0.020	0.004	1
Alpha-BHC	ND		ug/l	0.020	0.004	1
Beta-BHC	ND		ug/l	0.020	0.006	1
Heptachlor	ND		ug/l	0.020	0.003	1
Aldrin	ND		ug/l	0.020	0.002	1
Heptachlor epoxide	ND		ug/l	0.020	0.004	1
Endrin	ND		ug/l	0.040	0.004	1
Endrin ketone	ND		ug/l	0.040	0.005	1
Dieldrin	ND		ug/l	0.040	0.004	1
4,4'-DDE	ND		ug/l	0.040	0.004	1
4,4'-DDD	ND		ug/l	0.040	0.005	1
4,4'-DDT	ND		ug/l	0.040	0.004	1
Endosulfan I	ND		ug/l	0.020	0.003	1
Endosulfan II	ND		ug/l	0.040	0.005	1
Endosulfan sulfate	ND		ug/l	0.040	0.005	1
Methoxychlor	ND		ug/l	0.200	0.007	1
Toxaphene	ND		ug/l	0.200	0.063	1
cis-Chlordane	ND		ug/l	0.020	0.007	1
trans-Chlordane	ND		ug/l	0.020	0.006	1
Chlordane	ND		ug/l	0.200	0.046	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-22
 Client ID: SB021 (GW)
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 07/16/13 12:34
 Analyst: BW

Date Collected: 07/11/13 13:00
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/13/13 14:49
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.020	0.005	1
Lindane	ND		ug/l	0.020	0.004	1
Alpha-BHC	ND		ug/l	0.020	0.004	1
Beta-BHC	ND		ug/l	0.020	0.006	1
Heptachlor	ND		ug/l	0.020	0.003	1
Aldrin	ND		ug/l	0.020	0.002	1
Heptachlor epoxide	ND		ug/l	0.020	0.004	1
Endrin	ND		ug/l	0.040	0.004	1
Endrin ketone	ND		ug/l	0.040	0.005	1
Dieldrin	ND		ug/l	0.040	0.004	1
4,4'-DDE	ND		ug/l	0.040	0.004	1
4,4'-DDD	ND		ug/l	0.040	0.005	1
4,4'-DDT	ND		ug/l	0.040	0.004	1
Endosulfan I	ND		ug/l	0.020	0.003	1
Endosulfan II	ND		ug/l	0.040	0.005	1
Endosulfan sulfate	ND		ug/l	0.040	0.005	1
Methoxychlor	ND		ug/l	0.200	0.007	1
Toxaphene	ND		ug/l	0.200	0.063	1
cis-Chlordane	ND		ug/l	0.020	0.007	1
trans-Chlordane	ND		ug/l	0.020	0.006	1
Chlordane	ND		ug/l	0.200	0.046	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-23
 Client ID: SB022 (GW)
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 07/18/13 21:23
 Analyst: BW

Date Collected: 07/11/13 14:40
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/13/13 14:49
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.020	0.005	1
Lindane	ND		ug/l	0.020	0.004	1
Alpha-BHC	ND		ug/l	0.020	0.004	1
Beta-BHC	ND		ug/l	0.020	0.006	1
Heptachlor	ND		ug/l	0.020	0.003	1
Aldrin	ND		ug/l	0.020	0.002	1
Heptachlor epoxide	ND		ug/l	0.020	0.004	1
Endrin	ND		ug/l	0.040	0.004	1
Endrin ketone	ND		ug/l	0.040	0.005	1
Dieldrin	ND		ug/l	0.040	0.004	1
4,4'-DDE	ND		ug/l	0.040	0.004	1
4,4'-DDD	ND		ug/l	0.040	0.005	1
4,4'-DDT	ND		ug/l	0.040	0.004	1
Endosulfan I	ND		ug/l	0.020	0.003	1
Endosulfan II	ND		ug/l	0.040	0.005	1
Endosulfan sulfate	ND		ug/l	0.040	0.005	1
Methoxychlor	ND		ug/l	0.200	0.007	1
Toxaphene	ND		ug/l	0.200	0.063	1
cis-Chlordane	ND		ug/l	0.020	0.007	1
trans-Chlordane	ND		ug/l	0.020	0.006	1
Chlordane	ND		ug/l	0.200	0.046	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-24
 Client ID: GW_DUP_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 07/19/13 15:33
 Analyst: BW

Date Collected: 07/11/13 00:00
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/13/13 14:49
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.020	0.005	1
Lindane	ND		ug/l	0.020	0.004	1
Alpha-BHC	ND		ug/l	0.020	0.004	1
Beta-BHC	ND		ug/l	0.020	0.006	1
Heptachlor	ND		ug/l	0.020	0.003	1
Aldrin	ND		ug/l	0.020	0.002	1
Heptachlor epoxide	ND		ug/l	0.020	0.004	1
Endrin	ND		ug/l	0.040	0.004	1
Endrin ketone	ND		ug/l	0.040	0.005	1
Dieldrin	ND		ug/l	0.040	0.004	1
4,4'-DDE	ND		ug/l	0.040	0.004	1
4,4'-DDD	ND		ug/l	0.040	0.005	1
4,4'-DDT	ND		ug/l	0.040	0.004	1
Endosulfan I	ND		ug/l	0.020	0.003	1
Endosulfan II	ND		ug/l	0.040	0.005	1
Endosulfan sulfate	ND		ug/l	0.040	0.005	1
Methoxychlor	ND		ug/l	0.200	0.007	1
Toxaphene	ND		ug/l	0.200	0.063	1
cis-Chlordane	ND		ug/l	0.020	0.007	1
trans-Chlordane	ND		ug/l	0.020	0.006	1
Chlordane	ND		ug/l	0.200	0.046	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-25
 Client ID: EQUIP_BLANK_GW_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 07/19/13 15:46
 Analyst: BW

Date Collected: 07/11/13 08:30
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/13/13 14:49
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.020	0.005	1
Lindane	ND		ug/l	0.020	0.004	1
Alpha-BHC	ND		ug/l	0.020	0.004	1
Beta-BHC	ND		ug/l	0.020	0.006	1
Heptachlor	ND		ug/l	0.020	0.003	1
Aldrin	ND		ug/l	0.020	0.002	1
Heptachlor epoxide	ND		ug/l	0.020	0.004	1
Endrin	ND		ug/l	0.040	0.004	1
Endrin ketone	ND		ug/l	0.040	0.005	1
Dieldrin	ND		ug/l	0.040	0.004	1
4,4'-DDE	ND		ug/l	0.040	0.004	1
4,4'-DDD	ND		ug/l	0.040	0.005	1
4,4'-DDT	ND		ug/l	0.040	0.004	1
Endosulfan I	ND		ug/l	0.020	0.003	1
Endosulfan II	ND		ug/l	0.040	0.005	1
Endosulfan sulfate	ND		ug/l	0.040	0.005	1
Methoxychlor	ND		ug/l	0.200	0.007	1
Toxaphene	ND		ug/l	0.200	0.063	1
cis-Chlordane	ND		ug/l	0.020	0.007	1
trans-Chlordane	ND		ug/l	0.020	0.006	1
Chlordane	ND		ug/l	0.200	0.046	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-27 D
 Client ID: SB023 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/19/13 08:17
 Analyst: SR
 Percent Solids: 81%

Date Collected: 07/11/13 08:50
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 10:31
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	9.34	1.83	5
Lindane	ND		ug/kg	3.89	1.74	5
Alpha-BHC	ND		ug/kg	3.89	1.10	5
Beta-BHC	ND		ug/kg	9.34	3.54	5
Heptachlor	ND		ug/kg	4.67	2.09	5
Aldrin	ND		ug/kg	9.34	3.29	5
Heptachlor epoxide	ND		ug/kg	17.5	5.25	5
Endrin	ND		ug/kg	3.89	1.59	5
Endrin ketone	ND		ug/kg	9.34	2.40	5
Dieldrin	ND		ug/kg	5.83	2.92	5
4,4'-DDE	ND		ug/kg	9.34	2.16	5
4,4'-DDD	ND		ug/kg	9.34	3.33	5
4,4'-DDT	ND		ug/kg	17.5	7.51	5
Endosulfan I	ND		ug/kg	9.34	2.20	5
Endosulfan II	ND		ug/kg	9.34	3.12	5
Endosulfan sulfate	ND		ug/kg	3.89	1.78	5
Methoxychlor	ND		ug/kg	17.5	5.44	5
Toxaphene	ND		ug/kg	175	49.0	5
cis-Chlordane	ND		ug/kg	11.7	3.25	5
trans-Chlordane	ND		ug/kg	11.7	3.08	5
Chlordane	ND		ug/kg	75.8	30.9	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	165	Q	30-150	A
Decachlorobiphenyl	132		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	139		30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-28 D
 Client ID: FD002
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/19/13 10:41
 Analyst: SH
 Percent Solids: 80%

Date Collected: 07/11/13 09:40
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 12:17
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	9.57	1.87	5
Lindane	ND		ug/kg	3.99	1.78	5
Alpha-BHC	ND		ug/kg	3.99	1.13	5
Beta-BHC	ND		ug/kg	9.57	3.63	5
Heptachlor	ND		ug/kg	4.78	2.14	5
Aldrin	ND		ug/kg	9.57	3.37	5
Heptachlor epoxide	ND		ug/kg	17.9	5.38	5
Endrin	ND		ug/kg	3.99	1.63	5
Endrin ketone	ND		ug/kg	9.57	2.46	5
Dieldrin	ND		ug/kg	5.98	2.99	5
4,4'-DDE	ND		ug/kg	9.57	2.21	5
4,4'-DDD	ND		ug/kg	9.57	3.41	5
4,4'-DDT	ND		ug/kg	17.9	7.69	5
Endosulfan I	ND		ug/kg	9.57	2.26	5
Endosulfan II	ND		ug/kg	9.57	3.20	5
Endosulfan sulfate	ND		ug/kg	3.99	1.82	5
Methoxychlor	ND		ug/kg	17.9	5.58	5
Toxaphene	ND		ug/kg	179	50.2	5
cis-Chlordane	ND		ug/kg	12.0	3.33	5
trans-Chlordane	ND		ug/kg	12.0	3.16	5
Chlordane	ND		ug/kg	77.7	31.7	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	189	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	559	Q	30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-29 D
 Client ID: FD005
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/18/13 20:06
 Analyst: SH
 Percent Solids: 87%

Date Collected: 07/11/13 09:50
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 12:17
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	9.07	1.78	5
Lindane	ND		ug/kg	3.78	1.69	5
Alpha-BHC	ND		ug/kg	3.78	1.07	5
Beta-BHC	ND		ug/kg	9.07	3.44	5
Heptachlor	ND		ug/kg	4.53	2.03	5
Aldrin	ND		ug/kg	9.07	3.19	5
Heptachlor epoxide	ND		ug/kg	17.0	5.10	5
Endrin	ND		ug/kg	3.78	1.55	5
Endrin ketone	ND		ug/kg	9.07	2.34	5
Dieldrin	ND		ug/kg	5.67	2.83	5
4,4'-DDE	ND		ug/kg	9.07	2.10	5
4,4'-DDT	ND		ug/kg	17.0	7.29	5
Endosulfan I	ND		ug/kg	9.07	2.14	5
Endosulfan II	ND		ug/kg	9.07	3.03	5
Endosulfan sulfate	ND		ug/kg	3.78	1.73	5
Methoxychlor	ND		ug/kg	17.0	5.29	5
Toxaphene	ND		ug/kg	170	47.6	5
cis-Chlordane	ND		ug/kg	11.3	3.16	5
trans-Chlordane	ND		ug/kg	11.3	2.99	5
Chlordane	ND		ug/kg	73.7	30.0	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	224	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	858	Q	30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-29 D
 Client ID: FD005
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/18/13 20:06
 Analyst: SH
 Percent Solids: 87%

Date Collected: 07/11/13 09:50
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 12:17
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
4,4'-DDD	32.3		ug/kg	9.07	3.23	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	224	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	858	Q	30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-30 D
 Client ID: FD007
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/18/13 20:19
 Analyst: SH
 Percent Solids: 84%

Date Collected: 07/11/13 09:20
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 12:17
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	9.34	1.83	5
Lindane	ND		ug/kg	3.89	1.74	5
Alpha-BHC	ND		ug/kg	3.89	1.10	5
Beta-BHC	ND		ug/kg	9.34	3.54	5
Heptachlor	ND		ug/kg	4.67	2.09	5
Aldrin	ND		ug/kg	9.34	3.29	5
Heptachlor epoxide	ND		ug/kg	17.5	5.25	5
Endrin	ND		ug/kg	3.89	1.60	5
Endrin ketone	ND		ug/kg	9.34	2.40	5
Dieldrin	ND		ug/kg	5.84	2.92	5
4,4'-DDT	ND		ug/kg	17.5	7.51	5
Endosulfan I	ND		ug/kg	9.34	2.21	5
Endosulfan II	ND		ug/kg	9.34	3.12	5
Endosulfan sulfate	ND		ug/kg	3.89	1.78	5
Methoxychlor	ND		ug/kg	17.5	5.45	5
Toxaphene	ND		ug/kg	175	49.0	5
cis-Chlordane	ND		ug/kg	11.7	3.25	5
trans-Chlordane	ND		ug/kg	11.7	3.08	5
Chlordane	ND		ug/kg	75.9	30.9	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	377	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	40		30-150	B
Decachlorobiphenyl	1090	Q	30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-30 D
 Client ID: FD007
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/18/13 20:19
 Analyst: SH
 Percent Solids: 84%

Date Collected: 07/11/13 09:20
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 12:17
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
4,4'-DDE	10.4	P	ug/kg	9.34	2.16	5
4,4'-DDD	29.8		ug/kg	9.34	3.33	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	377	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	40		30-150	B
Decachlorobiphenyl	1090	Q	30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-31 D
 Client ID: FD009
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/18/13 20:32
 Analyst: SH
 Percent Solids: 54%

Date Collected: 07/11/13 10:00
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 12:17
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	14.7	2.87	5
Lindane	ND		ug/kg	6.12	2.73	5
Alpha-BHC	ND		ug/kg	6.12	1.74	5
Beta-BHC	ND		ug/kg	14.7	5.56	5
Heptachlor	ND		ug/kg	7.34	3.29	5
Aldrin	ND		ug/kg	14.7	5.17	5
Heptachlor epoxide	ND		ug/kg	27.5	8.26	5
Endrin	ND		ug/kg	6.12	2.51	5
Endrin ketone	ND		ug/kg	14.7	3.78	5
Dieldrin	ND		ug/kg	9.17	4.59	5
4,4'-DDE	ND		ug/kg	14.7	3.39	5
4,4'-DDD	ND		ug/kg	14.7	5.24	5
4,4'-DDT	ND		ug/kg	27.5	11.8	5
Endosulfan I	ND		ug/kg	14.7	3.47	5
Endosulfan II	ND		ug/kg	14.7	4.90	5
Endosulfan sulfate	ND		ug/kg	6.12	2.80	5
Methoxychlor	ND		ug/kg	27.5	8.56	5
Toxaphene	ND		ug/kg	275	77.1	5
cis-Chlordane	ND		ug/kg	18.3	5.11	5
trans-Chlordane	ND		ug/kg	18.3	4.84	5
Chlordane	ND		ug/kg	119	48.6	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-32 D
 Client ID: FD015
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/18/13 20:45
 Analyst: SH
 Percent Solids: 66%

Date Collected: 07/11/13 09:00
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 12:17
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	12.0	2.34	5
Lindane	ND		ug/kg	4.98	2.23	5
Alpha-BHC	ND		ug/kg	4.98	1.42	5
Beta-BHC	ND		ug/kg	12.0	4.53	5
Heptachlor	ND		ug/kg	5.98	2.68	5
Aldrin	ND		ug/kg	12.0	4.21	5
Heptachlor epoxide	ND		ug/kg	22.4	6.73	5
Endrin	ND		ug/kg	4.98	2.04	5
Endrin ketone	ND		ug/kg	12.0	3.08	5
Dieldrin	ND		ug/kg	7.47	3.74	5
4,4'-DDE	ND		ug/kg	12.0	2.76	5
4,4'-DDD	ND		ug/kg	12.0	4.26	5
4,4'-DDT	ND		ug/kg	22.4	9.62	5
Endosulfan I	ND		ug/kg	12.0	2.82	5
Endosulfan II	ND		ug/kg	12.0	4.00	5
Endosulfan sulfate	ND		ug/kg	4.98	2.28	5
Methoxychlor	ND		ug/kg	22.4	6.98	5
Toxaphene	ND		ug/kg	224	62.8	5
cis-Chlordane	ND		ug/kg	14.9	4.16	5
trans-Chlordane	ND		ug/kg	14.9	3.95	5
Chlordane	ND		ug/kg	97.2	39.6	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	198	Q	30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-33 D
 Client ID: FD_DUP_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/18/13 20:58
 Analyst: SH
 Percent Solids: 82%

Date Collected: 07/11/13 00:00
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 07/14/13 12:17
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	9.62	1.88	5
Lindane	ND		ug/kg	4.01	1.79	5
Alpha-BHC	ND		ug/kg	4.01	1.14	5
Beta-BHC	ND		ug/kg	9.62	3.65	5
Heptachlor	ND		ug/kg	4.81	2.16	5
Aldrin	ND		ug/kg	9.62	3.39	5
Heptachlor epoxide	ND		ug/kg	18.0	5.41	5
Endrin	ND		ug/kg	4.01	1.64	5
Endrin ketone	ND		ug/kg	9.62	2.48	5
Dieldrin	ND		ug/kg	6.01	3.00	5
4,4'-DDE	ND		ug/kg	9.62	2.22	5
4,4'-DDD	ND		ug/kg	9.62	3.43	5
4,4'-DDT	ND		ug/kg	18.0	7.73	5
Endosulfan I	ND		ug/kg	9.62	2.27	5
Endosulfan II	ND		ug/kg	9.62	3.21	5
Endosulfan sulfate	ND		ug/kg	4.01	1.83	5
Methoxychlor	ND		ug/kg	18.0	5.61	5
Toxaphene	ND		ug/kg	180	50.5	5
cis-Chlordane	ND		ug/kg	12.0	3.35	5
trans-Chlordane	ND		ug/kg	12.0	3.17	5
Chlordane	ND		ug/kg	78.1	31.8	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	286	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	34		30-150	B
Decachlorobiphenyl	761	Q	30-150	B

Project Name: BCP PROJECT**Lab Number:** L1313126**Project Number:** RAB 1301**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-34
 Client ID: EQUIP_BLANK_FD_001
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 07/19/13 15:59
 Analyst: BW

Date Collected: 07/11/13 10:45
 Date Received: 07/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 07/13/13 14:49
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.020	0.005	1
Lindane	ND		ug/l	0.020	0.004	1
Alpha-BHC	ND		ug/l	0.020	0.004	1
Beta-BHC	ND		ug/l	0.020	0.006	1
Heptachlor	ND		ug/l	0.020	0.003	1
Aldrin	ND		ug/l	0.020	0.002	1
Heptachlor epoxide	ND		ug/l	0.020	0.004	1
Endrin	ND		ug/l	0.040	0.004	1
Endrin ketone	ND		ug/l	0.040	0.005	1
Dieldrin	ND		ug/l	0.040	0.004	1
4,4'-DDE	ND		ug/l	0.040	0.004	1
4,4'-DDD	ND		ug/l	0.040	0.005	1
4,4'-DDT	ND		ug/l	0.040	0.004	1
Endosulfan I	ND		ug/l	0.020	0.003	1
Endosulfan II	ND		ug/l	0.040	0.005	1
Endosulfan sulfate	ND		ug/l	0.040	0.005	1
Methoxychlor	ND		ug/l	0.200	0.007	1
Toxaphene	ND		ug/l	0.200	0.063	1
cis-Chlordane	ND		ug/l	0.020	0.007	1
trans-Chlordane	ND		ug/l	0.020	0.006	1
Chlordane	ND		ug/l	0.200	0.046	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 07/16/13 11:30
 Analyst: BW

Extraction Method: EPA 3510C
 Extraction Date: 07/13/13 14:49
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 20-25,34 Batch: WG621479-1					
Delta-BHC	ND		ug/l	0.020	0.005
Lindane	ND		ug/l	0.020	0.004
Alpha-BHC	ND		ug/l	0.020	0.004
Beta-BHC	ND		ug/l	0.020	0.006
Heptachlor	ND		ug/l	0.020	0.003
Aldrin	ND		ug/l	0.020	0.002
Heptachlor epoxide	ND		ug/l	0.020	0.004
Endrin	ND		ug/l	0.040	0.004
Endrin ketone	ND		ug/l	0.040	0.005
Dieldrin	ND		ug/l	0.040	0.004
4,4'-DDE	ND		ug/l	0.040	0.004
4,4'-DDD	ND		ug/l	0.040	0.005
4,4'-DDT	ND		ug/l	0.040	0.004
Endosulfan I	ND		ug/l	0.020	0.003
Endosulfan II	ND		ug/l	0.040	0.005
Endosulfan sulfate	ND		ug/l	0.040	0.005
Methoxychlor	ND		ug/l	0.200	0.007
Toxaphene	ND		ug/l	0.200	0.063
cis-Chlordane	ND		ug/l	0.020	0.007
trans-Chlordane	ND		ug/l	0.020	0.006
Chlordane	ND		ug/l	0.200	0.046

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 07/17/13 18:40
 Analyst: SR

Extraction Method: EPA 3546
 Extraction Date: 07/14/13 10:30
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-19,27 Batch: WG621513-1					
Delta-BHC	ND		ug/kg	1.57	0.308
Lindane	ND		ug/kg	0.656	0.293
Alpha-BHC	ND		ug/kg	0.656	0.186
Beta-BHC	ND		ug/kg	1.57	0.597
Heptachlor	ND		ug/kg	0.787	0.353
Aldrin	ND		ug/kg	1.57	0.554
Heptachlor epoxide	ND		ug/kg	2.95	0.885
Endrin	ND		ug/kg	0.656	0.269
Endrin ketone	ND		ug/kg	1.57	0.405
Dieldrin	ND		ug/kg	0.984	0.492
4,4'-DDE	ND		ug/kg	1.57	0.364
4,4'-DDD	ND		ug/kg	1.57	0.561
4,4'-DDT	ND		ug/kg	2.95	1.26
Endosulfan I	ND		ug/kg	1.57	0.372
Endosulfan II	ND		ug/kg	1.57	0.526
Endosulfan sulfate	ND		ug/kg	0.656	0.300
Methoxychlor	ND		ug/kg	2.95	0.918
Toxaphene	ND		ug/kg	29.5	8.26
cis-Chlordane	ND		ug/kg	1.97	0.548
trans-Chlordane	ND		ug/kg	1.97	0.519
Chlordane	ND		ug/kg	12.8	5.21

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	114		30-150	B

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 07/19/13 08:55
 Analyst: SH

Extraction Method: EPA 3546
 Extraction Date: 07/14/13 12:17
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 07/16/13

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 28-33 Batch: WG621514-1					
Delta-BHC	ND		ug/kg	1.57	0.308
Lindane	ND		ug/kg	0.654	0.292
Alpha-BHC	ND		ug/kg	0.654	0.186
Beta-BHC	ND		ug/kg	1.57	0.596
Heptachlor	ND		ug/kg	0.785	0.352
Aldrin	ND		ug/kg	1.57	0.553
Heptachlor epoxide	ND		ug/kg	2.94	0.884
Endrin	ND		ug/kg	0.654	0.268
Endrin ketone	ND		ug/kg	1.57	0.404
Dieldrin	ND		ug/kg	0.982	0.491
4,4'-DDE	ND		ug/kg	1.57	0.363
4,4'-DDD	ND		ug/kg	1.57	0.560
4,4'-DDT	ND		ug/kg	2.94	1.26
Endosulfan I	ND		ug/kg	1.57	0.371
Endosulfan II	ND		ug/kg	1.57	0.525
Endosulfan sulfate	ND		ug/kg	0.654	0.299
Methoxychlor	ND		ug/kg	2.94	0.916
Toxaphene	ND		ug/kg	29.4	8.25
cis-Chlordane	ND		ug/kg	1.96	0.547
trans-Chlordane	ND		ug/kg	1.96	0.518
Chlordane	ND		ug/kg	12.8	5.20

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	78		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 20-25,34 Batch: WG621479-2 WG621479-3								
Delta-BHC	85		101		30-150	17		20
Lindane	88		106		30-150	19		20
Alpha-BHC	91		109		30-150	18		20
Beta-BHC	87		103		30-150	17		20
Heptachlor	71		88		30-150	21	Q	20
Aldrin	67		83		30-150	21	Q	20
Heptachlor epoxide	83		99		30-150	18		20
Endrin	88		107		30-150	19		20
Endrin ketone	67		82		30-150	20		20
Dieldrin	81		99		30-150	20		20
4,4'-DDE	80		96		30-150	18		20
4,4'-DDD	74		88		30-150	18		20
4,4'-DDT	78		91		30-150	16		20
Endosulfan I	80		97		30-150	19		20
Endosulfan II	69		83		30-150	19		20
Endosulfan sulfate	64		75		30-150	17		20
Methoxychlor	96		101		30-150	5		20
cis-Chlordane	77		93		30-150	20		20
trans-Chlordane	75		90		30-150	18		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 20-25,34 Batch: WG621479-2 WG621479-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		96		30-150	A
Decachlorobiphenyl	45		70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		67		30-150	B
Decachlorobiphenyl	80		95		30-150	B

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-19,27 Batch: WG621513-2 WG621513-3

Delta-BHC	92		96		30-150	4	30
Lindane	95		98		30-150	3	30
Alpha-BHC	94		97		30-150	3	30
Beta-BHC	101		104		30-150	3	30
Heptachlor	100		104		30-150	4	30
Aldrin	95		98		30-150	3	30
Heptachlor epoxide	94		96		30-150	2	30
Endrin	110		115		30-150	4	30
Endrin ketone	83		87		30-150	5	30

Lab Control Sample Analysis Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-19,27 Batch: WG621513-2 WG621513-3								
Dieldrin	98		103		30-150	5		30
4,4'-DDE	102		106		30-150	4		30
4,4'-DDD	91		96		30-150	5		30
4,4'-DDT	98		103		30-150	5		30
Endosulfan I	94		100		30-150	6		30
Endosulfan II	91		94		30-150	3		30
Endosulfan sulfate	78		81		30-150	4		30
Methoxychlor	98		100		30-150	2		30
cis-Chlordane	96		101		30-150	5		30
trans-Chlordane	96		101		30-150	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		103		30-150	A
Decachlorobiphenyl	82		108		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		87		30-150	B
Decachlorobiphenyl	106		111		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 28-33 Batch: WG621514-2 WG621514-3								
Delta-BHC	80		76		30-150	5		30
Lindane	83		80		30-150	4		30
Alpha-BHC	81		80		30-150	1		30
Beta-BHC	96		83		30-150	15		30
Heptachlor	84		82		30-150	2		30
Aldrin	82		81		30-150	1		30
Heptachlor epoxide	81		79		30-150	3		30
Endrin	94		91		30-150	3		30
Endrin ketone	67		62		30-150	8		30
Dieldrin	85		83		30-150	2		30
4,4'-DDE	87		83		30-150	5		30
4,4'-DDD	82		78		30-150	5		30
4,4'-DDT	81		78		30-150	4		30
Endosulfan I	81		80		30-150	1		30
Endosulfan II	77		73		30-150	5		30
Endosulfan sulfate	67		60		30-150	11		30
Methoxychlor	82		74		30-150	10		30
cis-Chlordane	81		79		30-150	3		30
trans-Chlordane	82		81		30-150	1		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 28-33 Batch: WG621514-2 WG621514-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		83		30-150	A
Decachlorobiphenyl	93		58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		71		30-150	B
Decachlorobiphenyl	88		83		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 20-25,34 QC Batch ID: WG621479-4 WG621479-5 QC Sample: L1313126-21
Client ID: SB020 (GW)

Delta-BHC	ND	0.5	0.494	99		0.440	88		30-150	12		30
Lindane	ND	0.5	0.516	103		0.430	86		30-150	18		30
Alpha-BHC	ND	0.5	0.532	106		0.474	95		30-150	12		30
Beta-BHC	ND	0.5	0.510	102		0.449	90		30-150	13		30
Heptachlor	ND	0.5	0.430	86		0.368	74		30-150	16		30
Aldrin	ND	0.5	0.436	87		0.382	76		30-150	13		30
Heptachlor epoxide	ND	0.5	0.477	95		0.411	82		30-150	15		30
Endrin	ND	0.5	0.509	102		0.462	92		30-150	10		30
Endrin ketone	ND	0.5	0.388	78		0.352	70		30-150	10		30
Dieldrin	ND	0.5	0.458	92		0.390	78		30-150	16		30
4,4'-DDE	ND	0.5	0.444	89		0.367	73		30-150	19		30
4,4'-DDD	ND	0.5	0.407	81		0.354	71		30-150	14		30
4,4'-DDT	ND	0.5	0.412	82		0.346	69		30-150	17		30
Endosulfan I	ND	0.5	0.453	91		0.390	78		30-150	15		30
Endosulfan II	ND	0.5	0.376	75		0.322	64		30-150	15		30
Endosulfan sulfate	ND	0.5	0.349	70		0.301	60		30-150	15		30
Methoxychlor	ND	0.5	0.445	89		0.424	85		30-150	5		30
cis-Chlordane	ND	0.5	0.450	90		0.380	76		30-150	17		30
trans-Chlordane	ND	0.5	0.437	87		0.369	74		30-150	17		30

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT
Project Number: RAB 1301

Lab Number: L1313126
Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 20-25,34 QC Batch ID: WG621479-4 WG621479-5 QC Sample: L1313126-21
 Client ID: SB020 (GW)

Surrogate	MS		MSD		Acceptance Criteria	Column
	% Recovery	Qualifier	% Recovery	Qualifier		
2,4,5,6-Tetrachloro-m-xylene	96		84		30-150	A
Decachlorobiphenyl	67		54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		62		30-150	B
Decachlorobiphenyl	88		70		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-19,27 QC Batch ID: WG621513-4 WG621513-5 QC Sample: L1313126-01
Client ID: SB017 (0-2')

Delta-BHC	ND	35.2	12.9	37		11.6	33		30-150	11		50
Lindane	ND	35.2	33.2	94		32.6	93		30-150	2		50
Alpha-BHC	ND	35.2	35.4	101		39.3	112		30-150	10		50
Beta-BHC	ND	35.2	24.4	69		36.1	102		30-150	39		50
Heptachlor	ND	35.2	36.0	102		34.7	99		30-150	4		50
Aldrin	ND	35.2	30.7	87		30.6	87		30-150	0		50
Heptachlor epoxide	ND	35.2	31.3	89		30.7	87		30-150	2		50
Endrin	ND	35.2	42.0	119		37.5	106		30-150	11		50
Endrin ketone	ND	35.2	23.9	68		27.1	77		30-150	13		50
Dieldrin	ND	35.2	25.2	72		25.4	72		30-150	1		50
4,4'-DDE	ND	35.2	31.7	57		32.7	59		30-150	3		50
4,4'-DDD	ND	35.2	22.2	63		22.6	64		30-150	2		50
4,4'-DDT	ND	35.2	43.0	122		38.7	110		30-150	11		50
Endosulfan I	ND	35.2	21.2	60		20.3	58		30-150	4		50
Endosulfan II	ND	35.2	15.4	44		15.8	45		30-150	3		50
Endosulfan sulfate	ND	35.2	14.7	42		18.6	53		30-150	23		50
Methoxychlor	ND	35.2	33.2	94		29.6	84		30-150	11		50
cis-Chlordane	ND	35.2	27.5	78		27.8	79		30-150	1		50
trans-Chlordane	ND	35.2	29.0	83		29.8	85		30-150	3		50

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-19,27 QC Batch ID: WG621513-4 WG621513-5 QC Sample: L1313126-01
Client ID: SB017 (0-2')

Surrogate	MS		MSD		Acceptance Criteria	Column
	% Recovery	Qualifier	% Recovery	Qualifier		
2,4,5,6-Tetrachloro-m-xylene	108		127		30-150	A
Decachlorobiphenyl	110		108		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		120		30-150	B
Decachlorobiphenyl	121		136		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 28-33 QC Batch ID: WG621514-4 WG621514-5 QC Sample: L1313126-32 Client ID: FD015												
Delta-BHC	ND	49.2	21.4	44		24.9	50		30-150	15		50
Lindane	ND	49.2	28.7	58		29.1	58		30-150	1		50
Alpha-BHC	ND	49.2	39.0	79		41.3	82		30-150	6		50
Beta-BHC	ND	49.2	22.1	45		23.5	47		30-150	6		50
Heptachlor	ND	49.2	33.0	67		33.4	67		30-150	1		50
Aldrin	ND	49.2	31.4	64		32.0	64		30-150	2		50
Heptachlor epoxide	ND	49.2	31.5	64		31.0	62		30-150	2		50
Endrin	ND	49.2	41.0	83		39.4	79		30-150	4		50
Endrin ketone	ND	49.2	38.7	79		37.8	75		30-150	2		50
Dieldrin	ND	49.2	48.9	99		45.2	90		30-150	8		50
4,4'-DDE	ND	49.2	33.4	68		32.9	66		30-150	2		50
4,4'-DDD	ND	49.2	33.6	68		33.1	66		30-150	1		50
4,4'-DDT	ND	49.2	55.5	113		54.4	109		30-150	2		50
Endosulfan I	ND	49.2	31.6	64		31.7	63		30-150	0		50
Endosulfan II	ND	49.2	25.9	53		25.7	51		30-150	1		50
Endosulfan sulfate	ND	49.2	19.1	39		19.2	38		30-150	1		50
Methoxychlor	ND	49.2	22.7	46		28.9	58		30-150	24		50
cis-Chlordane	ND	49.2	39.8	81		37.6	75		30-150	6		50
trans-Chlordane	ND	49.2	37.6	76		37.3	74		30-150	1		50

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 28-33 QC Batch ID: WG621514-4 WG621514-5 QC Sample: L1313126-32
Client ID: FD015

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		86		30-150	A
Decachlorobiphenyl	96		106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		71		30-150	B
Decachlorobiphenyl	142		154	Q	30-150	B

METALS

Project Name: BCP PROJECT
Project Number: RAB 1301

Lab Number: L1313126
Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-01
Client ID: SB017 (0-2')
Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
Matrix: Soil
Percent Solids: 94%

Date Collected: 07/11/13 11:15
Date Received: 07/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6300		mg/kg	8.1	1.6	2	07/16/13 12:15	07/17/13 12:25	EPA 3050B	1,6010C	MG
Antimony, Total	1.0	J	mg/kg	4.1	0.65	2	07/16/13 12:15	07/17/13 12:25	EPA 3050B	1,6010C	MG
Arsenic, Total	6.4		mg/kg	0.81	0.16	2	07/16/13 12:15	07/17/13 12:25	EPA 3050B	1,6010C	MG
Barium, Total	150		mg/kg	0.81	0.24	2	07/16/13 12:15	07/17/13 12:25	EPA 3050B	1,6010C	MG
Beryllium, Total	0.26	J	mg/kg	0.41	0.08	2	07/16/13 12:15	07/17/13 12:25	EPA 3050B	1,6010C	MG
Cadmium, Total	0.66	J	mg/kg	0.81	0.06	2	07/16/13 12:15	07/17/13 12:25	EPA 3050B	1,6010C	MG
Calcium, Total	40000		mg/kg	8.1	2.4	2	07/16/13 12:15	07/17/13 12:25	EPA 3050B	1,6010C	MG
Chromium, Total	17		mg/kg	0.81	0.16	2	07/16/13 12:15	07/17/13 12:25	EPA 3050B	1,6010C	MG
Cobalt, Total	4.0		mg/kg	1.6	0.41	2	07/16/13 12:15	07/17/13 12:25	EPA 3050B	1,6010C	MG
Copper, Total	51		mg/kg	0.81	0.16	2	07/16/13 12:15	07/17/13 12:25	EPA 3050B	1,6010C	MG
Iron, Total	12000		mg/kg	4.1	1.6	2	07/16/13 12:15	07/17/13 12:25	EPA 3050B	1,6010C	MG
Lead, Total	340		mg/kg	4.1	0.16	2	07/16/13 12:15	07/17/13 12:25	EPA 3050B	1,6010C	MG
Magnesium, Total	3600		mg/kg	8.1	0.81	2	07/16/13 12:15	07/17/13 12:25	EPA 3050B	1,6010C	MG
Manganese, Total	250		mg/kg	0.81	0.16	2	07/16/13 12:15	07/17/13 12:25	EPA 3050B	1,6010C	MG
Mercury, Total	1.4		mg/kg	0.08	0.02	1	07/17/13 11:00	07/17/13 15:56	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.0	0.32	2	07/16/13 12:15	07/17/13 12:25	EPA 3050B	1,6010C	MG
Potassium, Total	1000		mg/kg	200	32.	2	07/16/13 12:15	07/17/13 12:25	EPA 3050B	1,6010C	MG
Selenium, Total	0.49	J	mg/kg	1.6	0.24	2	07/16/13 12:15	07/17/13 12:25	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.81	0.16	2	07/16/13 12:15	07/17/13 12:25	EPA 3050B	1,6010C	MG
Sodium, Total	450		mg/kg	160	24.	2	07/16/13 12:15	07/17/13 12:25	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.6	0.32	2	07/16/13 12:15	07/17/13 12:25	EPA 3050B	1,6010C	MG
Vanadium, Total	14		mg/kg	0.81	0.08	2	07/16/13 12:15	07/17/13 12:25	EPA 3050B	1,6010C	MG
Zinc, Total	200		mg/kg	4.1	0.57	2	07/16/13 12:15	07/17/13 12:25	EPA 3050B	1,6010C	MG



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-02

Date Collected: 07/11/13 11:20

Client ID: SB017 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6600		mg/kg	8.4	1.7	2	07/16/13 12:15	07/17/13 12:58	EPA 3050B	1,6010C	MG
Antimony, Total	12		mg/kg	4.2	0.67	2	07/16/13 12:15	07/17/13 12:58	EPA 3050B	1,6010C	MG
Arsenic, Total	18		mg/kg	0.84	0.17	2	07/16/13 12:15	07/17/13 12:58	EPA 3050B	1,6010C	MG
Barium, Total	120		mg/kg	0.84	0.25	2	07/16/13 12:15	07/17/13 12:58	EPA 3050B	1,6010C	MG
Beryllium, Total	0.31	J	mg/kg	0.42	0.08	2	07/16/13 12:15	07/17/13 12:58	EPA 3050B	1,6010C	MG
Cadmium, Total	0.62	J	mg/kg	0.84	0.06	2	07/16/13 12:15	07/17/13 12:58	EPA 3050B	1,6010C	MG
Calcium, Total	3200		mg/kg	8.4	2.5	2	07/16/13 12:15	07/17/13 12:58	EPA 3050B	1,6010C	MG
Chromium, Total	2500		mg/kg	0.84	0.17	2	07/16/13 12:15	07/17/13 12:58	EPA 3050B	1,6010C	MG
Cobalt, Total	6.0		mg/kg	1.7	0.42	2	07/16/13 12:15	07/17/13 12:58	EPA 3050B	1,6010C	MG
Copper, Total	140		mg/kg	0.84	0.17	2	07/16/13 12:15	07/17/13 12:58	EPA 3050B	1,6010C	MG
Iron, Total	16000		mg/kg	4.2	1.7	2	07/16/13 12:15	07/17/13 12:58	EPA 3050B	1,6010C	MG
Lead, Total	320		mg/kg	4.2	0.17	2	07/16/13 12:15	07/17/13 12:58	EPA 3050B	1,6010C	MG
Magnesium, Total	1400		mg/kg	8.4	0.84	2	07/16/13 12:15	07/17/13 12:58	EPA 3050B	1,6010C	MG
Manganese, Total	250		mg/kg	0.84	0.17	2	07/16/13 12:15	07/17/13 12:58	EPA 3050B	1,6010C	MG
Mercury, Total	0.72		mg/kg	0.09	0.02	1	07/17/13 11:00	07/17/13 13:10	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.1	0.34	2	07/16/13 12:15	07/17/13 12:58	EPA 3050B	1,6010C	MG
Potassium, Total	680		mg/kg	210	34.	2	07/16/13 12:15	07/17/13 12:58	EPA 3050B	1,6010C	MG
Selenium, Total	0.37	J	mg/kg	1.7	0.25	2	07/16/13 12:15	07/17/13 12:58	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.84	0.17	2	07/16/13 12:15	07/17/13 12:58	EPA 3050B	1,6010C	MG
Sodium, Total	140	J	mg/kg	170	25.	2	07/16/13 12:15	07/17/13 12:58	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	07/16/13 12:15	07/17/13 12:58	EPA 3050B	1,6010C	MG
Vanadium, Total	18		mg/kg	0.84	0.08	2	07/16/13 12:15	07/17/13 12:58	EPA 3050B	1,6010C	MG
Zinc, Total	220		mg/kg	4.2	0.59	2	07/16/13 12:15	07/17/13 12:58	EPA 3050B	1,6010C	MG



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-03

Date Collected: 07/11/13 11:25

Client ID: SB017 (10-12')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5400		mg/kg	9.5	1.9	2	07/16/13 12:15	07/17/13 13:02	EPA 3050B	1,6010C	MG
Antimony, Total	28		mg/kg	4.7	0.76	2	07/16/13 12:15	07/17/13 13:02	EPA 3050B	1,6010C	MG
Arsenic, Total	22		mg/kg	0.95	0.19	2	07/16/13 12:15	07/17/13 13:02	EPA 3050B	1,6010C	MG
Barium, Total	180		mg/kg	0.95	0.28	2	07/16/13 12:15	07/17/13 13:02	EPA 3050B	1,6010C	MG
Beryllium, Total	0.40	J	mg/kg	0.47	0.10	2	07/16/13 12:15	07/17/13 13:02	EPA 3050B	1,6010C	MG
Cadmium, Total	1.6		mg/kg	0.95	0.07	2	07/16/13 12:15	07/17/13 13:02	EPA 3050B	1,6010C	MG
Calcium, Total	3500		mg/kg	9.5	2.8	2	07/16/13 12:15	07/17/13 13:02	EPA 3050B	1,6010C	MG
Chromium, Total	16		mg/kg	0.95	0.19	2	07/16/13 12:15	07/17/13 13:02	EPA 3050B	1,6010C	MG
Cobalt, Total	6.4		mg/kg	1.9	0.47	2	07/16/13 12:15	07/17/13 13:02	EPA 3050B	1,6010C	MG
Copper, Total	79		mg/kg	0.95	0.19	2	07/16/13 12:15	07/17/13 13:02	EPA 3050B	1,6010C	MG
Iron, Total	27000		mg/kg	4.7	1.9	2	07/16/13 12:15	07/17/13 13:02	EPA 3050B	1,6010C	MG
Lead, Total	790		mg/kg	4.7	0.19	2	07/16/13 12:15	07/17/13 13:02	EPA 3050B	1,6010C	MG
Magnesium, Total	970		mg/kg	9.5	0.95	2	07/16/13 12:15	07/17/13 13:02	EPA 3050B	1,6010C	MG
Manganese, Total	220		mg/kg	0.95	0.19	2	07/16/13 12:15	07/17/13 13:02	EPA 3050B	1,6010C	MG
Mercury, Total	0.65		mg/kg	0.09	0.02	1	07/17/13 11:00	07/17/13 13:12	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	2.4	0.38	2	07/16/13 12:15	07/17/13 13:02	EPA 3050B	1,6010C	MG
Potassium, Total	850		mg/kg	240	38.	2	07/16/13 12:15	07/17/13 13:02	EPA 3050B	1,6010C	MG
Selenium, Total	1.2	J	mg/kg	1.9	0.28	2	07/16/13 12:15	07/17/13 13:02	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.95	0.19	2	07/16/13 12:15	07/17/13 13:02	EPA 3050B	1,6010C	MG
Sodium, Total	250		mg/kg	190	28.	2	07/16/13 12:15	07/17/13 13:02	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.9	0.38	2	07/16/13 12:15	07/17/13 13:02	EPA 3050B	1,6010C	MG
Vanadium, Total	21		mg/kg	0.95	0.10	2	07/16/13 12:15	07/17/13 13:02	EPA 3050B	1,6010C	MG
Zinc, Total	230		mg/kg	4.7	0.66	2	07/16/13 12:15	07/17/13 13:02	EPA 3050B	1,6010C	MG



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-04

Date Collected: 07/11/13 13:10

Client ID: SB018 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3200		mg/kg	8.8	1.8	2	07/16/13 12:15	07/17/13 13:05	EPA 3050B	1,6010C	MG
Antimony, Total	2.3	J	mg/kg	4.4	0.71	2	07/16/13 12:15	07/17/13 13:05	EPA 3050B	1,6010C	MG
Arsenic, Total	4.4		mg/kg	0.88	0.18	2	07/16/13 12:15	07/17/13 13:05	EPA 3050B	1,6010C	MG
Barium, Total	120		mg/kg	0.88	0.26	2	07/16/13 12:15	07/17/13 13:05	EPA 3050B	1,6010C	MG
Beryllium, Total	0.17	J	mg/kg	0.44	0.09	2	07/16/13 12:15	07/17/13 13:05	EPA 3050B	1,6010C	MG
Cadmium, Total	0.46	J	mg/kg	0.88	0.06	2	07/16/13 12:15	07/17/13 13:05	EPA 3050B	1,6010C	MG
Calcium, Total	15000		mg/kg	8.8	2.6	2	07/16/13 12:15	07/17/13 13:05	EPA 3050B	1,6010C	MG
Chromium, Total	490		mg/kg	0.88	0.18	2	07/16/13 12:15	07/17/13 13:05	EPA 3050B	1,6010C	MG
Cobalt, Total	2.5		mg/kg	1.8	0.44	2	07/16/13 12:15	07/17/13 13:05	EPA 3050B	1,6010C	MG
Copper, Total	54		mg/kg	0.88	0.18	2	07/16/13 12:15	07/17/13 13:05	EPA 3050B	1,6010C	MG
Iron, Total	7200		mg/kg	4.4	1.8	2	07/16/13 12:15	07/17/13 13:05	EPA 3050B	1,6010C	MG
Lead, Total	170		mg/kg	4.4	0.18	2	07/16/13 12:15	07/17/13 13:05	EPA 3050B	1,6010C	MG
Magnesium, Total	1000		mg/kg	8.8	0.88	2	07/16/13 12:15	07/17/13 13:05	EPA 3050B	1,6010C	MG
Manganese, Total	160		mg/kg	0.88	0.18	2	07/16/13 12:15	07/17/13 13:05	EPA 3050B	1,6010C	MG
Mercury, Total	3.4		mg/kg	0.09	0.02	1	07/17/13 11:00	07/17/13 13:14	EPA 7471B	1,7471B	MC
Nickel, Total	7.6		mg/kg	2.2	0.35	2	07/16/13 12:15	07/17/13 13:05	EPA 3050B	1,6010C	MG
Potassium, Total	490		mg/kg	220	35.	2	07/16/13 12:15	07/17/13 13:05	EPA 3050B	1,6010C	MG
Selenium, Total	1.1	J	mg/kg	1.8	0.26	2	07/16/13 12:15	07/17/13 13:05	EPA 3050B	1,6010C	MG
Silver, Total	2.0		mg/kg	0.88	0.18	2	07/16/13 12:15	07/17/13 13:05	EPA 3050B	1,6010C	MG
Sodium, Total	340		mg/kg	180	26.	2	07/16/13 12:15	07/17/13 13:05	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.35	2	07/16/13 12:15	07/17/13 13:05	EPA 3050B	1,6010C	MG
Vanadium, Total	9.6		mg/kg	0.88	0.09	2	07/16/13 12:15	07/17/13 13:05	EPA 3050B	1,6010C	MG
Zinc, Total	250		mg/kg	4.4	0.62	2	07/16/13 12:15	07/17/13 13:05	EPA 3050B	1,6010C	MG



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-05

Date Collected: 07/11/13 13:15

Client ID: SB018 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6400		mg/kg	8.9	1.8	2	07/16/13 12:15	07/17/13 13:09	EPA 3050B	1,6010C	MG
Antimony, Total	13		mg/kg	4.4	0.71	2	07/16/13 12:15	07/17/13 13:09	EPA 3050B	1,6010C	MG
Arsenic, Total	18		mg/kg	0.89	0.18	2	07/16/13 12:15	07/17/13 13:09	EPA 3050B	1,6010C	MG
Barium, Total	160		mg/kg	0.89	0.27	2	07/16/13 12:15	07/17/13 13:09	EPA 3050B	1,6010C	MG
Beryllium, Total	0.37	J	mg/kg	0.44	0.09	2	07/16/13 12:15	07/17/13 13:09	EPA 3050B	1,6010C	MG
Cadmium, Total	1.1		mg/kg	0.89	0.06	2	07/16/13 12:15	07/17/13 13:09	EPA 3050B	1,6010C	MG
Calcium, Total	32000		mg/kg	8.9	2.7	2	07/16/13 12:15	07/17/13 13:09	EPA 3050B	1,6010C	MG
Chromium, Total	48		mg/kg	0.89	0.18	2	07/16/13 12:15	07/17/13 13:09	EPA 3050B	1,6010C	MG
Cobalt, Total	6.1		mg/kg	1.8	0.44	2	07/16/13 12:15	07/17/13 13:09	EPA 3050B	1,6010C	MG
Copper, Total	87		mg/kg	0.89	0.18	2	07/16/13 12:15	07/17/13 13:09	EPA 3050B	1,6010C	MG
Iron, Total	23000		mg/kg	4.4	1.8	2	07/16/13 12:15	07/17/13 13:09	EPA 3050B	1,6010C	MG
Lead, Total	680		mg/kg	4.4	0.18	2	07/16/13 12:15	07/17/13 13:09	EPA 3050B	1,6010C	MG
Magnesium, Total	3200		mg/kg	8.9	0.89	2	07/16/13 12:15	07/17/13 13:09	EPA 3050B	1,6010C	MG
Manganese, Total	470		mg/kg	0.89	0.18	2	07/16/13 12:15	07/17/13 13:09	EPA 3050B	1,6010C	MG
Mercury, Total	12		mg/kg	0.78	0.16	10	07/17/13 11:00	07/17/13 14:02	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.2	0.35	2	07/16/13 12:15	07/17/13 13:09	EPA 3050B	1,6010C	MG
Potassium, Total	850		mg/kg	220	35.	2	07/16/13 12:15	07/17/13 13:09	EPA 3050B	1,6010C	MG
Selenium, Total	0.71	J	mg/kg	1.8	0.27	2	07/16/13 12:15	07/17/13 13:09	EPA 3050B	1,6010C	MG
Silver, Total	0.31	J	mg/kg	0.89	0.18	2	07/16/13 12:15	07/17/13 13:09	EPA 3050B	1,6010C	MG
Sodium, Total	1100		mg/kg	180	27.	2	07/16/13 12:15	07/17/13 13:09	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.35	2	07/16/13 12:15	07/17/13 13:09	EPA 3050B	1,6010C	MG
Vanadium, Total	21		mg/kg	0.89	0.09	2	07/16/13 12:15	07/17/13 13:09	EPA 3050B	1,6010C	MG
Zinc, Total	600		mg/kg	4.4	0.62	2	07/16/13 12:15	07/17/13 13:09	EPA 3050B	1,6010C	MG



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-06
 Client ID: SB018 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Percent Solids: 86%

Date Collected: 07/11/13 13:20
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8500		mg/kg	8.8	1.8	2	07/16/13 12:15	07/17/13 13:12	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.4	0.71	2	07/16/13 12:15	07/17/13 13:12	EPA 3050B	1,6010C	MG
Arsenic, Total	3.2		mg/kg	0.88	0.18	2	07/16/13 12:15	07/17/13 13:12	EPA 3050B	1,6010C	MG
Barium, Total	52		mg/kg	0.88	0.26	2	07/16/13 12:15	07/17/13 13:12	EPA 3050B	1,6010C	MG
Beryllium, Total	0.40	J	mg/kg	0.44	0.09	2	07/16/13 12:15	07/17/13 13:12	EPA 3050B	1,6010C	MG
Cadmium, Total	0.74	J	mg/kg	0.88	0.06	2	07/16/13 12:15	07/17/13 13:12	EPA 3050B	1,6010C	MG
Calcium, Total	1200		mg/kg	8.8	2.6	2	07/16/13 12:15	07/17/13 13:12	EPA 3050B	1,6010C	MG
Chromium, Total	27		mg/kg	0.88	0.18	2	07/16/13 12:15	07/17/13 13:12	EPA 3050B	1,6010C	MG
Cobalt, Total	6.9		mg/kg	1.8	0.44	2	07/16/13 12:15	07/17/13 13:12	EPA 3050B	1,6010C	MG
Copper, Total	22		mg/kg	0.88	0.18	2	07/16/13 12:15	07/17/13 13:12	EPA 3050B	1,6010C	MG
Iron, Total	22000		mg/kg	4.4	1.8	2	07/16/13 12:15	07/17/13 13:12	EPA 3050B	1,6010C	MG
Lead, Total	23		mg/kg	4.4	0.18	2	07/16/13 12:15	07/17/13 13:12	EPA 3050B	1,6010C	MG
Magnesium, Total	2300		mg/kg	8.8	0.88	2	07/16/13 12:15	07/17/13 13:12	EPA 3050B	1,6010C	MG
Manganese, Total	320		mg/kg	0.88	0.18	2	07/16/13 12:15	07/17/13 13:12	EPA 3050B	1,6010C	MG
Mercury, Total	1.2		mg/kg	0.08	0.02	1	07/17/13 11:00	07/17/13 13:22	EPA 7471B	1,7471B	MC
Nickel, Total	15		mg/kg	2.2	0.35	2	07/16/13 12:15	07/17/13 13:12	EPA 3050B	1,6010C	MG
Potassium, Total	1300		mg/kg	220	35.	2	07/16/13 12:15	07/17/13 13:12	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.8	0.26	2	07/16/13 12:15	07/17/13 13:12	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.88	0.18	2	07/16/13 12:15	07/17/13 13:12	EPA 3050B	1,6010C	MG
Sodium, Total	74	J	mg/kg	180	26.	2	07/16/13 12:15	07/17/13 13:12	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.35	2	07/16/13 12:15	07/17/13 13:12	EPA 3050B	1,6010C	MG
Vanadium, Total	30		mg/kg	0.88	0.09	2	07/16/13 12:15	07/17/13 13:12	EPA 3050B	1,6010C	MG
Zinc, Total	1100		mg/kg	4.4	0.62	2	07/16/13 12:15	07/17/13 13:12	EPA 3050B	1,6010C	MG



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-07

Date Collected: 07/11/13 15:20

Client ID: SB019 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6100		mg/kg	9.0	1.8	2	07/16/13 12:15	07/17/13 13:16	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.5	0.72	2	07/16/13 12:15	07/17/13 13:16	EPA 3050B	1,6010C	MG
Arsenic, Total	7.9		mg/kg	0.90	0.18	2	07/16/13 12:15	07/17/13 13:16	EPA 3050B	1,6010C	MG
Barium, Total	120		mg/kg	0.90	0.27	2	07/16/13 12:15	07/17/13 13:16	EPA 3050B	1,6010C	MG
Beryllium, Total	0.34	J	mg/kg	0.45	0.09	2	07/16/13 12:15	07/17/13 13:16	EPA 3050B	1,6010C	MG
Cadmium, Total	0.64	J	mg/kg	0.90	0.06	2	07/16/13 12:15	07/17/13 13:16	EPA 3050B	1,6010C	MG
Calcium, Total	16000		mg/kg	9.0	2.7	2	07/16/13 12:15	07/17/13 13:16	EPA 3050B	1,6010C	MG
Chromium, Total	17		mg/kg	0.90	0.18	2	07/16/13 12:15	07/17/13 13:16	EPA 3050B	1,6010C	MG
Cobalt, Total	5.2		mg/kg	1.8	0.45	2	07/16/13 12:15	07/17/13 13:16	EPA 3050B	1,6010C	MG
Copper, Total	55		mg/kg	0.90	0.18	2	07/16/13 12:15	07/17/13 13:16	EPA 3050B	1,6010C	MG
Iron, Total	13000		mg/kg	4.5	1.8	2	07/16/13 12:15	07/17/13 13:16	EPA 3050B	1,6010C	MG
Lead, Total	530		mg/kg	4.5	0.18	2	07/16/13 12:15	07/17/13 13:16	EPA 3050B	1,6010C	MG
Magnesium, Total	1700		mg/kg	9.0	0.90	2	07/16/13 12:15	07/17/13 13:16	EPA 3050B	1,6010C	MG
Manganese, Total	210		mg/kg	0.90	0.18	2	07/16/13 12:15	07/17/13 13:16	EPA 3050B	1,6010C	MG
Mercury, Total	3.8		mg/kg	0.47	0.10	5	07/17/13 11:00	07/17/13 13:59	EPA 7471B	1,7471B	MC
Nickel, Total	11		mg/kg	2.2	0.36	2	07/16/13 12:15	07/17/13 13:16	EPA 3050B	1,6010C	MG
Potassium, Total	1000		mg/kg	220	36.	2	07/16/13 12:15	07/17/13 13:16	EPA 3050B	1,6010C	MG
Selenium, Total	1.2	J	mg/kg	1.8	0.27	2	07/16/13 12:15	07/17/13 13:16	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.90	0.18	2	07/16/13 12:15	07/17/13 13:16	EPA 3050B	1,6010C	MG
Sodium, Total	360		mg/kg	180	27.	2	07/16/13 12:15	07/17/13 13:16	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.36	2	07/16/13 12:15	07/17/13 13:16	EPA 3050B	1,6010C	MG
Vanadium, Total	19		mg/kg	0.90	0.09	2	07/16/13 12:15	07/17/13 13:16	EPA 3050B	1,6010C	MG
Zinc, Total	160		mg/kg	4.5	0.63	2	07/16/13 12:15	07/17/13 13:16	EPA 3050B	1,6010C	MG



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-08

Date Collected: 07/11/13 15:25

Client ID: SB019 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8600		mg/kg	9.4	1.9	2	07/16/13 12:15	07/17/13 13:19	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.7	0.75	2	07/16/13 12:15	07/17/13 13:19	EPA 3050B	1,6010C	MG
Arsenic, Total	2.9		mg/kg	0.94	0.19	2	07/16/13 12:15	07/17/13 13:19	EPA 3050B	1,6010C	MG
Barium, Total	45		mg/kg	0.94	0.28	2	07/16/13 12:15	07/17/13 13:19	EPA 3050B	1,6010C	MG
Beryllium, Total	0.41	J	mg/kg	0.47	0.09	2	07/16/13 12:15	07/17/13 13:19	EPA 3050B	1,6010C	MG
Cadmium, Total	0.45	J	mg/kg	0.94	0.07	2	07/16/13 12:15	07/17/13 13:19	EPA 3050B	1,6010C	MG
Calcium, Total	1300		mg/kg	9.4	2.8	2	07/16/13 12:15	07/17/13 13:19	EPA 3050B	1,6010C	MG
Chromium, Total	20		mg/kg	0.94	0.19	2	07/16/13 12:15	07/17/13 13:19	EPA 3050B	1,6010C	MG
Cobalt, Total	6.4		mg/kg	1.9	0.47	2	07/16/13 12:15	07/17/13 13:19	EPA 3050B	1,6010C	MG
Copper, Total	20		mg/kg	0.94	0.19	2	07/16/13 12:15	07/17/13 13:19	EPA 3050B	1,6010C	MG
Iron, Total	20000		mg/kg	4.7	1.9	2	07/16/13 12:15	07/17/13 13:19	EPA 3050B	1,6010C	MG
Lead, Total	55		mg/kg	4.7	0.19	2	07/16/13 12:15	07/17/13 13:19	EPA 3050B	1,6010C	MG
Magnesium, Total	3000		mg/kg	9.4	0.94	2	07/16/13 12:15	07/17/13 13:19	EPA 3050B	1,6010C	MG
Manganese, Total	180		mg/kg	0.94	0.19	2	07/16/13 12:15	07/17/13 13:19	EPA 3050B	1,6010C	MG
Mercury, Total	0.77		mg/kg	0.09	0.02	1	07/17/13 11:00	07/17/13 13:26	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	2.4	0.38	2	07/16/13 12:15	07/17/13 13:19	EPA 3050B	1,6010C	MG
Potassium, Total	1200		mg/kg	240	38.	2	07/16/13 12:15	07/17/13 13:19	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.9	0.28	2	07/16/13 12:15	07/17/13 13:19	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.94	0.19	2	07/16/13 12:15	07/17/13 13:19	EPA 3050B	1,6010C	MG
Sodium, Total	120	J	mg/kg	190	28.	2	07/16/13 12:15	07/17/13 13:19	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.9	0.38	2	07/16/13 12:15	07/17/13 13:19	EPA 3050B	1,6010C	MG
Vanadium, Total	27		mg/kg	0.94	0.09	2	07/16/13 12:15	07/17/13 13:19	EPA 3050B	1,6010C	MG
Zinc, Total	43		mg/kg	4.7	0.66	2	07/16/13 12:15	07/17/13 13:19	EPA 3050B	1,6010C	MG



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-09

Date Collected: 07/11/13 15:30

Client ID: SB019 (10-12')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9200		mg/kg	8.7	1.7	2	07/16/13 12:15	07/17/13 13:23	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.4	0.70	2	07/16/13 12:15	07/17/13 13:23	EPA 3050B	1,6010C	MG
Arsenic, Total	3.1		mg/kg	0.87	0.17	2	07/16/13 12:15	07/17/13 13:23	EPA 3050B	1,6010C	MG
Barium, Total	48		mg/kg	0.87	0.26	2	07/16/13 12:15	07/17/13 13:23	EPA 3050B	1,6010C	MG
Beryllium, Total	0.38	J	mg/kg	0.44	0.09	2	07/16/13 12:15	07/17/13 13:23	EPA 3050B	1,6010C	MG
Cadmium, Total	0.53	J	mg/kg	0.87	0.06	2	07/16/13 12:15	07/17/13 13:23	EPA 3050B	1,6010C	MG
Calcium, Total	3900		mg/kg	8.7	2.6	2	07/16/13 12:15	07/17/13 13:23	EPA 3050B	1,6010C	MG
Chromium, Total	19		mg/kg	0.87	0.17	2	07/16/13 12:15	07/17/13 13:23	EPA 3050B	1,6010C	MG
Cobalt, Total	7.0		mg/kg	1.7	0.44	2	07/16/13 12:15	07/17/13 13:23	EPA 3050B	1,6010C	MG
Copper, Total	26		mg/kg	0.87	0.17	2	07/16/13 12:15	07/17/13 13:23	EPA 3050B	1,6010C	MG
Iron, Total	19000		mg/kg	4.4	1.7	2	07/16/13 12:15	07/17/13 13:23	EPA 3050B	1,6010C	MG
Lead, Total	32		mg/kg	4.4	0.17	2	07/16/13 12:15	07/17/13 13:23	EPA 3050B	1,6010C	MG
Magnesium, Total	2100		mg/kg	8.7	0.87	2	07/16/13 12:15	07/17/13 13:23	EPA 3050B	1,6010C	MG
Manganese, Total	320		mg/kg	0.87	0.17	2	07/16/13 12:15	07/17/13 13:23	EPA 3050B	1,6010C	MG
Mercury, Total	1.0		mg/kg	0.08	0.02	1	07/17/13 11:00	07/17/13 13:28	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	2.2	0.35	2	07/16/13 12:15	07/17/13 13:23	EPA 3050B	1,6010C	MG
Potassium, Total	1100		mg/kg	220	35.	2	07/16/13 12:15	07/17/13 13:23	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.26	2	07/16/13 12:15	07/17/13 13:23	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.87	0.17	2	07/16/13 12:15	07/17/13 13:23	EPA 3050B	1,6010C	MG
Sodium, Total	200		mg/kg	170	26.	2	07/16/13 12:15	07/17/13 13:23	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.35	2	07/16/13 12:15	07/17/13 13:23	EPA 3050B	1,6010C	MG
Vanadium, Total	32		mg/kg	0.87	0.09	2	07/16/13 12:15	07/17/13 13:23	EPA 3050B	1,6010C	MG
Zinc, Total	60		mg/kg	4.4	0.61	2	07/16/13 12:15	07/17/13 13:23	EPA 3050B	1,6010C	MG



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-10

Date Collected: 07/11/13 11:45

Client ID: SB020 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9700		mg/kg	8.7	1.7	2	07/16/13 12:15	07/17/13 13:45	EPA 3050B	1,6010C	MG
Antimony, Total	9.7		mg/kg	4.4	0.70	2	07/16/13 12:15	07/17/13 13:45	EPA 3050B	1,6010C	MG
Arsenic, Total	18		mg/kg	0.87	0.17	2	07/16/13 12:15	07/17/13 13:45	EPA 3050B	1,6010C	MG
Barium, Total	430		mg/kg	0.87	0.26	2	07/16/13 12:15	07/17/13 13:45	EPA 3050B	1,6010C	MG
Beryllium, Total	0.70		mg/kg	0.44	0.09	2	07/16/13 12:15	07/17/13 13:45	EPA 3050B	1,6010C	MG
Cadmium, Total	1.6		mg/kg	0.87	0.06	2	07/16/13 12:15	07/17/13 13:45	EPA 3050B	1,6010C	MG
Calcium, Total	34000		mg/kg	8.7	2.6	2	07/16/13 12:15	07/17/13 13:45	EPA 3050B	1,6010C	MG
Chromium, Total	57		mg/kg	0.87	0.17	2	07/16/13 12:15	07/17/13 13:45	EPA 3050B	1,6010C	MG
Cobalt, Total	6.6		mg/kg	1.7	0.44	2	07/16/13 12:15	07/17/13 13:45	EPA 3050B	1,6010C	MG
Copper, Total	200		mg/kg	0.87	0.17	2	07/16/13 12:15	07/17/13 13:45	EPA 3050B	1,6010C	MG
Iron, Total	17000		mg/kg	4.4	1.7	2	07/16/13 12:15	07/17/13 13:45	EPA 3050B	1,6010C	MG
Lead, Total	420		mg/kg	4.4	0.17	2	07/16/13 12:15	07/17/13 13:45	EPA 3050B	1,6010C	MG
Magnesium, Total	4700		mg/kg	8.7	0.87	2	07/16/13 12:15	07/17/13 13:45	EPA 3050B	1,6010C	MG
Manganese, Total	690		mg/kg	0.87	0.17	2	07/16/13 12:15	07/17/13 13:45	EPA 3050B	1,6010C	MG
Mercury, Total	2.8		mg/kg	0.08	0.02	1	07/17/13 11:00	07/17/13 13:29	EPA 7471B	1,7471B	MC
Nickel, Total	21		mg/kg	2.2	0.35	2	07/16/13 12:15	07/17/13 13:45	EPA 3050B	1,6010C	MG
Potassium, Total	4600		mg/kg	220	35.	2	07/16/13 12:15	07/17/13 13:45	EPA 3050B	1,6010C	MG
Selenium, Total	0.90	J	mg/kg	1.7	0.26	2	07/16/13 12:15	07/17/13 13:45	EPA 3050B	1,6010C	MG
Silver, Total	0.83	J	mg/kg	0.87	0.17	2	07/16/13 12:15	07/17/13 13:45	EPA 3050B	1,6010C	MG
Sodium, Total	760		mg/kg	170	26.	2	07/16/13 12:15	07/17/13 13:45	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.35	2	07/16/13 12:15	07/17/13 13:45	EPA 3050B	1,6010C	MG
Vanadium, Total	23		mg/kg	0.87	0.09	2	07/16/13 12:15	07/17/13 13:45	EPA 3050B	1,6010C	MG
Zinc, Total	650		mg/kg	4.4	0.61	2	07/16/13 12:15	07/17/13 13:45	EPA 3050B	1,6010C	MG



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-11

Date Collected: 07/11/13 12:00

Client ID: SB020 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6200		mg/kg	8.2	1.6	2	07/16/13 12:15	07/17/13 13:48	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.1	0.65	2	07/16/13 12:15	07/17/13 13:48	EPA 3050B	1,6010C	MG
Arsenic, Total	2.3		mg/kg	0.82	0.16	2	07/16/13 12:15	07/17/13 13:48	EPA 3050B	1,6010C	MG
Barium, Total	34		mg/kg	0.82	0.24	2	07/16/13 12:15	07/17/13 13:48	EPA 3050B	1,6010C	MG
Beryllium, Total	0.25	J	mg/kg	0.41	0.08	2	07/16/13 12:15	07/17/13 13:48	EPA 3050B	1,6010C	MG
Cadmium, Total	0.33	J	mg/kg	0.82	0.06	2	07/16/13 12:15	07/17/13 13:48	EPA 3050B	1,6010C	MG
Calcium, Total	32000		mg/kg	8.2	2.4	2	07/16/13 12:15	07/17/13 13:48	EPA 3050B	1,6010C	MG
Chromium, Total	14		mg/kg	0.82	0.16	2	07/16/13 12:15	07/17/13 13:48	EPA 3050B	1,6010C	MG
Cobalt, Total	4.7		mg/kg	1.6	0.41	2	07/16/13 12:15	07/17/13 13:48	EPA 3050B	1,6010C	MG
Copper, Total	16		mg/kg	0.82	0.16	2	07/16/13 12:15	07/17/13 13:48	EPA 3050B	1,6010C	MG
Iron, Total	13000		mg/kg	4.1	1.6	2	07/16/13 12:15	07/17/13 13:48	EPA 3050B	1,6010C	MG
Lead, Total	14		mg/kg	4.1	0.16	2	07/16/13 12:15	07/17/13 13:48	EPA 3050B	1,6010C	MG
Magnesium, Total	2700		mg/kg	8.2	0.82	2	07/16/13 12:15	07/17/13 13:48	EPA 3050B	1,6010C	MG
Manganese, Total	260		mg/kg	0.82	0.16	2	07/16/13 12:15	07/17/13 13:48	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	07/17/13 11:00	07/17/13 13:31	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.0	0.33	2	07/16/13 12:15	07/17/13 13:48	EPA 3050B	1,6010C	MG
Potassium, Total	980		mg/kg	200	33.	2	07/16/13 12:15	07/17/13 13:48	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.6	0.24	2	07/16/13 12:15	07/17/13 13:48	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.82	0.16	2	07/16/13 12:15	07/17/13 13:48	EPA 3050B	1,6010C	MG
Sodium, Total	260		mg/kg	160	24.	2	07/16/13 12:15	07/17/13 13:48	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.6	0.33	2	07/16/13 12:15	07/17/13 13:48	EPA 3050B	1,6010C	MG
Vanadium, Total	24		mg/kg	0.82	0.08	2	07/16/13 12:15	07/17/13 13:48	EPA 3050B	1,6010C	MG
Zinc, Total	25		mg/kg	4.1	0.57	2	07/16/13 12:15	07/17/13 13:48	EPA 3050B	1,6010C	MG



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-12
 Client ID: SB020 (10-12")
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Percent Solids: 81%

Date Collected: 07/11/13 12:15
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4100		mg/kg	9.3	1.9	2	07/16/13 12:15	07/17/13 13:52	EPA 3050B	1,6010C	MG
Antimony, Total	0.92	J	mg/kg	4.7	0.75	2	07/16/13 12:15	07/17/13 13:52	EPA 3050B	1,6010C	MG
Arsenic, Total	12		mg/kg	0.93	0.19	2	07/16/13 12:15	07/17/13 13:52	EPA 3050B	1,6010C	MG
Barium, Total	70		mg/kg	0.93	0.28	2	07/16/13 12:15	07/17/13 13:52	EPA 3050B	1,6010C	MG
Beryllium, Total	0.22	J	mg/kg	0.47	0.09	2	07/16/13 12:15	07/17/13 13:52	EPA 3050B	1,6010C	MG
Cadmium, Total	0.43	J	mg/kg	0.93	0.07	2	07/16/13 12:15	07/17/13 13:52	EPA 3050B	1,6010C	MG
Calcium, Total	120000		mg/kg	9.3	2.8	2	07/16/13 12:15	07/17/13 13:52	EPA 3050B	1,6010C	MG
Chromium, Total	12		mg/kg	0.93	0.19	2	07/16/13 12:15	07/17/13 13:52	EPA 3050B	1,6010C	MG
Cobalt, Total	4.2		mg/kg	1.9	0.47	2	07/16/13 12:15	07/17/13 13:52	EPA 3050B	1,6010C	MG
Copper, Total	26		mg/kg	0.93	0.19	2	07/16/13 12:15	07/17/13 13:52	EPA 3050B	1,6010C	MG
Iron, Total	14000		mg/kg	4.7	1.9	2	07/16/13 12:15	07/17/13 13:52	EPA 3050B	1,6010C	MG
Lead, Total	130		mg/kg	4.7	0.19	2	07/16/13 12:15	07/17/13 13:52	EPA 3050B	1,6010C	MG
Magnesium, Total	1700		mg/kg	9.3	0.93	2	07/16/13 12:15	07/17/13 13:52	EPA 3050B	1,6010C	MG
Manganese, Total	230		mg/kg	0.93	0.19	2	07/16/13 12:15	07/17/13 13:52	EPA 3050B	1,6010C	MG
Mercury, Total	0.48		mg/kg	0.09	0.02	1	07/17/13 11:00	07/17/13 13:33	EPA 7471B	1,7471B	MC
Nickel, Total	9.0		mg/kg	2.3	0.37	2	07/16/13 12:15	07/17/13 13:52	EPA 3050B	1,6010C	MG
Potassium, Total	780		mg/kg	230	37.	2	07/16/13 12:15	07/17/13 13:52	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.9	0.28	2	07/16/13 12:15	07/17/13 13:52	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.93	0.19	2	07/16/13 12:15	07/17/13 13:52	EPA 3050B	1,6010C	MG
Sodium, Total	1300		mg/kg	190	28.	2	07/16/13 12:15	07/17/13 13:52	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.9	0.37	2	07/16/13 12:15	07/17/13 13:52	EPA 3050B	1,6010C	MG
Vanadium, Total	14		mg/kg	0.93	0.09	2	07/16/13 12:15	07/17/13 13:52	EPA 3050B	1,6010C	MG
Zinc, Total	43		mg/kg	4.7	0.65	2	07/16/13 12:15	07/17/13 13:52	EPA 3050B	1,6010C	MG



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-13
 Client ID: SB021 (0-2')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Percent Solids: 88%

Date Collected: 07/11/13 12:40
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5500		mg/kg	8.9	1.8	2	07/16/13 12:15	07/17/13 13:56	EPA 3050B	1,6010C	MG
Antimony, Total	1.4	J	mg/kg	4.4	0.71	2	07/16/13 12:15	07/17/13 13:56	EPA 3050B	1,6010C	MG
Arsenic, Total	9.2		mg/kg	0.89	0.18	2	07/16/13 12:15	07/17/13 13:56	EPA 3050B	1,6010C	MG
Barium, Total	110		mg/kg	0.89	0.27	2	07/16/13 12:15	07/17/13 13:56	EPA 3050B	1,6010C	MG
Beryllium, Total	0.32	J	mg/kg	0.44	0.09	2	07/16/13 12:15	07/17/13 13:56	EPA 3050B	1,6010C	MG
Cadmium, Total	0.70	J	mg/kg	0.89	0.06	2	07/16/13 12:15	07/17/13 13:56	EPA 3050B	1,6010C	MG
Calcium, Total	30000		mg/kg	8.9	2.7	2	07/16/13 12:15	07/17/13 13:56	EPA 3050B	1,6010C	MG
Chromium, Total	25		mg/kg	0.89	0.18	2	07/16/13 12:15	07/17/13 13:56	EPA 3050B	1,6010C	MG
Cobalt, Total	4.7		mg/kg	1.8	0.44	2	07/16/13 12:15	07/17/13 13:56	EPA 3050B	1,6010C	MG
Copper, Total	43		mg/kg	0.89	0.18	2	07/16/13 12:15	07/17/13 13:56	EPA 3050B	1,6010C	MG
Iron, Total	14000		mg/kg	4.4	1.8	2	07/16/13 12:15	07/17/13 13:56	EPA 3050B	1,6010C	MG
Lead, Total	240		mg/kg	4.4	0.18	2	07/16/13 12:15	07/17/13 13:56	EPA 3050B	1,6010C	MG
Magnesium, Total	3400		mg/kg	8.9	0.89	2	07/16/13 12:15	07/17/13 13:56	EPA 3050B	1,6010C	MG
Manganese, Total	170		mg/kg	0.89	0.18	2	07/16/13 12:15	07/17/13 13:56	EPA 3050B	1,6010C	MG
Mercury, Total	2.8		mg/kg	0.08	0.02	1	07/17/13 11:00	07/17/13 13:35	EPA 7471B	1,7471B	MC
Nickel, Total	10		mg/kg	2.2	0.36	2	07/16/13 12:15	07/17/13 13:56	EPA 3050B	1,6010C	MG
Potassium, Total	840		mg/kg	220	36.	2	07/16/13 12:15	07/17/13 13:56	EPA 3050B	1,6010C	MG
Selenium, Total	0.59	J	mg/kg	1.8	0.27	2	07/16/13 12:15	07/17/13 13:56	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.89	0.18	2	07/16/13 12:15	07/17/13 13:56	EPA 3050B	1,6010C	MG
Sodium, Total	430		mg/kg	180	27.	2	07/16/13 12:15	07/17/13 13:56	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.36	2	07/16/13 12:15	07/17/13 13:56	EPA 3050B	1,6010C	MG
Vanadium, Total	17		mg/kg	0.89	0.09	2	07/16/13 12:15	07/17/13 13:56	EPA 3050B	1,6010C	MG
Zinc, Total	170		mg/kg	4.4	0.62	2	07/16/13 12:15	07/17/13 13:56	EPA 3050B	1,6010C	MG



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-14

Date Collected: 07/11/13 12:45

Client ID: SB021 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 60%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6200		mg/kg	13	2.6	2	07/16/13 12:15	07/17/13 13:59	EPA 3050B	1,6010C	MG
Antimony, Total	10		mg/kg	6.6	1.0	2	07/16/13 12:15	07/17/13 13:59	EPA 3050B	1,6010C	MG
Arsenic, Total	41		mg/kg	1.3	0.26	2	07/16/13 12:15	07/17/13 13:59	EPA 3050B	1,6010C	MG
Barium, Total	160		mg/kg	1.3	0.39	2	07/16/13 12:15	07/17/13 13:59	EPA 3050B	1,6010C	MG
Beryllium, Total	0.33	J	mg/kg	0.66	0.13	2	07/16/13 12:15	07/17/13 13:59	EPA 3050B	1,6010C	MG
Cadmium, Total	1.3		mg/kg	1.3	0.09	2	07/16/13 12:15	07/17/13 13:59	EPA 3050B	1,6010C	MG
Calcium, Total	100000		mg/kg	13	3.9	2	07/16/13 12:15	07/17/13 13:59	EPA 3050B	1,6010C	MG
Chromium, Total	36		mg/kg	1.3	0.26	2	07/16/13 12:15	07/17/13 13:59	EPA 3050B	1,6010C	MG
Cobalt, Total	8.3		mg/kg	2.6	0.66	2	07/16/13 12:15	07/17/13 13:59	EPA 3050B	1,6010C	MG
Copper, Total	130		mg/kg	1.3	0.26	2	07/16/13 12:15	07/17/13 13:59	EPA 3050B	1,6010C	MG
Iron, Total	43000		mg/kg	6.6	2.6	2	07/16/13 12:15	07/17/13 13:59	EPA 3050B	1,6010C	MG
Lead, Total	790		mg/kg	6.6	0.26	2	07/16/13 12:15	07/17/13 13:59	EPA 3050B	1,6010C	MG
Magnesium, Total	2000		mg/kg	13	1.3	2	07/16/13 12:15	07/17/13 13:59	EPA 3050B	1,6010C	MG
Manganese, Total	300		mg/kg	1.3	0.26	2	07/16/13 12:15	07/17/13 13:59	EPA 3050B	1,6010C	MG
Mercury, Total	4.6		mg/kg	0.12	0.03	1	07/17/13 11:00	07/17/13 13:37	EPA 7471B	1,7471B	MC
Nickel, Total	17		mg/kg	3.3	0.53	2	07/16/13 12:15	07/17/13 13:59	EPA 3050B	1,6010C	MG
Potassium, Total	1000		mg/kg	330	53.	2	07/16/13 12:15	07/17/13 13:59	EPA 3050B	1,6010C	MG
Selenium, Total	1.3	J	mg/kg	2.6	0.39	2	07/16/13 12:15	07/17/13 13:59	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	1.3	0.26	2	07/16/13 12:15	07/17/13 13:59	EPA 3050B	1,6010C	MG
Sodium, Total	900		mg/kg	260	39.	2	07/16/13 12:15	07/17/13 13:59	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	2.6	0.53	2	07/16/13 12:15	07/17/13 13:59	EPA 3050B	1,6010C	MG
Vanadium, Total	23		mg/kg	1.3	0.13	2	07/16/13 12:15	07/17/13 13:59	EPA 3050B	1,6010C	MG
Zinc, Total	190		mg/kg	6.6	0.92	2	07/16/13 12:15	07/17/13 13:59	EPA 3050B	1,6010C	MG



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-15
 Client ID: SB021 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Percent Solids: 86%

Date Collected: 07/11/13 12:50
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4800		mg/kg	9.2	1.8	2	07/16/13 12:15	07/17/13 14:03	EPA 3050B	1,6010C	MG
Antimony, Total	11		mg/kg	4.6	0.74	2	07/16/13 12:15	07/17/13 14:03	EPA 3050B	1,6010C	MG
Arsenic, Total	29		mg/kg	0.92	0.18	2	07/16/13 12:15	07/17/13 14:03	EPA 3050B	1,6010C	MG
Barium, Total	35		mg/kg	0.92	0.28	2	07/16/13 12:15	07/17/13 14:03	EPA 3050B	1,6010C	MG
Beryllium, Total	0.30	J	mg/kg	0.46	0.09	2	07/16/13 12:15	07/17/13 14:03	EPA 3050B	1,6010C	MG
Cadmium, Total	0.48	J	mg/kg	0.92	0.07	2	07/16/13 12:15	07/17/13 14:03	EPA 3050B	1,6010C	MG
Calcium, Total	25000		mg/kg	9.2	2.8	2	07/16/13 12:15	07/17/13 14:03	EPA 3050B	1,6010C	MG
Chromium, Total	24		mg/kg	0.92	0.18	2	07/16/13 12:15	07/17/13 14:03	EPA 3050B	1,6010C	MG
Cobalt, Total	7.1		mg/kg	1.8	0.46	2	07/16/13 12:15	07/17/13 14:03	EPA 3050B	1,6010C	MG
Copper, Total	25		mg/kg	0.92	0.18	2	07/16/13 12:15	07/17/13 14:03	EPA 3050B	1,6010C	MG
Iron, Total	15000		mg/kg	4.6	1.8	2	07/16/13 12:15	07/17/13 14:03	EPA 3050B	1,6010C	MG
Lead, Total	17		mg/kg	4.6	0.18	2	07/16/13 12:15	07/17/13 14:03	EPA 3050B	1,6010C	MG
Magnesium, Total	1800		mg/kg	9.2	0.92	2	07/16/13 12:15	07/17/13 14:03	EPA 3050B	1,6010C	MG
Manganese, Total	880		mg/kg	0.92	0.18	2	07/16/13 12:15	07/17/13 14:03	EPA 3050B	1,6010C	MG
Mercury, Total	0.50		mg/kg	0.09	0.02	1	07/17/13 11:00	07/17/13 13:43	EPA 7471B	1,7471B	MC
Nickel, Total	82		mg/kg	2.3	0.37	2	07/16/13 12:15	07/17/13 14:03	EPA 3050B	1,6010C	MG
Potassium, Total	720		mg/kg	230	37.	2	07/16/13 12:15	07/17/13 14:03	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.8	0.28	2	07/16/13 12:15	07/17/13 14:03	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.92	0.18	2	07/16/13 12:15	07/17/13 14:03	EPA 3050B	1,6010C	MG
Sodium, Total	230		mg/kg	180	28.	2	07/16/13 12:15	07/17/13 14:03	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.37	2	07/16/13 12:15	07/17/13 14:03	EPA 3050B	1,6010C	MG
Vanadium, Total	17		mg/kg	0.92	0.09	2	07/16/13 12:15	07/17/13 14:03	EPA 3050B	1,6010C	MG
Zinc, Total	32		mg/kg	4.6	0.65	2	07/16/13 12:15	07/17/13 14:03	EPA 3050B	1,6010C	MG



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-16

Date Collected: 07/11/13 13:55

Client ID: SB022 (0-2')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4600		mg/kg	8.5	1.7	2	07/16/13 12:15	07/17/13 14:07	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.3	0.68	2	07/16/13 12:15	07/17/13 14:07	EPA 3050B	1,6010C	MG
Arsenic, Total	3.4		mg/kg	0.85	0.17	2	07/16/13 12:15	07/17/13 14:07	EPA 3050B	1,6010C	MG
Barium, Total	96		mg/kg	0.85	0.26	2	07/16/13 12:15	07/17/13 14:07	EPA 3050B	1,6010C	MG
Beryllium, Total	0.20	J	mg/kg	0.43	0.09	2	07/16/13 12:15	07/17/13 14:07	EPA 3050B	1,6010C	MG
Cadmium, Total	3.8		mg/kg	0.85	0.06	2	07/16/13 12:15	07/17/13 14:07	EPA 3050B	1,6010C	MG
Calcium, Total	14000		mg/kg	8.5	2.6	2	07/16/13 12:15	07/17/13 14:07	EPA 3050B	1,6010C	MG
Chromium, Total	23		mg/kg	0.85	0.17	2	07/16/13 12:15	07/17/13 14:07	EPA 3050B	1,6010C	MG
Cobalt, Total	3.9		mg/kg	1.7	0.43	2	07/16/13 12:15	07/17/13 14:07	EPA 3050B	1,6010C	MG
Copper, Total	34		mg/kg	0.85	0.17	2	07/16/13 12:15	07/17/13 14:07	EPA 3050B	1,6010C	MG
Iron, Total	8900		mg/kg	4.3	1.7	2	07/16/13 12:15	07/17/13 14:07	EPA 3050B	1,6010C	MG
Lead, Total	140		mg/kg	4.3	0.17	2	07/16/13 12:15	07/17/13 14:07	EPA 3050B	1,6010C	MG
Magnesium, Total	1400		mg/kg	8.5	0.85	2	07/16/13 12:15	07/17/13 14:07	EPA 3050B	1,6010C	MG
Manganese, Total	170		mg/kg	0.85	0.17	2	07/16/13 12:15	07/17/13 14:07	EPA 3050B	1,6010C	MG
Mercury, Total	2.8		mg/kg	0.08	0.02	1	07/17/13 11:00	07/17/13 13:45	EPA 7471B	1,7471B	MC
Nickel, Total	10		mg/kg	2.1	0.34	2	07/16/13 12:15	07/17/13 14:07	EPA 3050B	1,6010C	MG
Potassium, Total	730		mg/kg	210	34.	2	07/16/13 12:15	07/17/13 14:07	EPA 3050B	1,6010C	MG
Selenium, Total	0.38	J	mg/kg	1.7	0.26	2	07/16/13 12:15	07/17/13 14:07	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.85	0.17	2	07/16/13 12:15	07/17/13 14:07	EPA 3050B	1,6010C	MG
Sodium, Total	290		mg/kg	170	26.	2	07/16/13 12:15	07/17/13 14:07	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	07/16/13 12:15	07/17/13 14:07	EPA 3050B	1,6010C	MG
Vanadium, Total	13		mg/kg	0.85	0.09	2	07/16/13 12:15	07/17/13 14:07	EPA 3050B	1,6010C	MG
Zinc, Total	440		mg/kg	4.3	0.60	2	07/16/13 12:15	07/17/13 14:07	EPA 3050B	1,6010C	MG



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-17

Date Collected: 07/11/13 14:00

Client ID: SB022 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3100		mg/kg	9.0	1.8	2	07/16/13 12:15	07/17/13 14:25	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.5	0.72	2	07/16/13 12:15	07/17/13 14:25	EPA 3050B	1,6010C	MG
Arsenic, Total	3.1		mg/kg	0.90	0.18	2	07/16/13 12:15	07/17/13 14:25	EPA 3050B	1,6010C	MG
Barium, Total	61		mg/kg	0.90	0.27	2	07/16/13 12:15	07/17/13 14:25	EPA 3050B	1,6010C	MG
Beryllium, Total	0.12	J	mg/kg	0.45	0.09	2	07/16/13 12:15	07/17/13 14:25	EPA 3050B	1,6010C	MG
Cadmium, Total	3.6		mg/kg	0.90	0.06	2	07/16/13 12:15	07/17/13 14:25	EPA 3050B	1,6010C	MG
Calcium, Total	21000		mg/kg	9.0	2.7	2	07/16/13 12:15	07/17/13 14:25	EPA 3050B	1,6010C	MG
Chromium, Total	21		mg/kg	0.90	0.18	2	07/16/13 12:15	07/17/13 14:25	EPA 3050B	1,6010C	MG
Cobalt, Total	3.6		mg/kg	1.8	0.45	2	07/16/13 12:15	07/17/13 14:25	EPA 3050B	1,6010C	MG
Copper, Total	23		mg/kg	0.90	0.18	2	07/16/13 12:15	07/17/13 14:25	EPA 3050B	1,6010C	MG
Iron, Total	8000		mg/kg	4.5	1.8	2	07/16/13 12:15	07/17/13 14:25	EPA 3050B	1,6010C	MG
Lead, Total	85		mg/kg	4.5	0.18	2	07/16/13 12:15	07/17/13 14:25	EPA 3050B	1,6010C	MG
Magnesium, Total	1400		mg/kg	9.0	0.90	2	07/16/13 12:15	07/17/13 14:25	EPA 3050B	1,6010C	MG
Manganese, Total	66		mg/kg	0.90	0.18	2	07/16/13 12:15	07/17/13 14:25	EPA 3050B	1,6010C	MG
Mercury, Total	3.1		mg/kg	0.09	0.02	1	07/18/13 11:17	07/18/13 15:09	EPA 7471B	1,7471B	MC
Nickel, Total	9.0		mg/kg	2.2	0.36	2	07/16/13 12:15	07/17/13 14:25	EPA 3050B	1,6010C	MG
Potassium, Total	530		mg/kg	220	36.	2	07/16/13 12:15	07/17/13 14:25	EPA 3050B	1,6010C	MG
Selenium, Total	0.59	J	mg/kg	1.8	0.27	2	07/16/13 12:15	07/17/13 14:25	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.90	0.18	2	07/16/13 12:15	07/17/13 14:25	EPA 3050B	1,6010C	MG
Sodium, Total	270		mg/kg	180	27.	2	07/16/13 12:15	07/17/13 14:25	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.36	2	07/16/13 12:15	07/17/13 14:25	EPA 3050B	1,6010C	MG
Vanadium, Total	7.7		mg/kg	0.90	0.09	2	07/16/13 12:15	07/17/13 14:25	EPA 3050B	1,6010C	MG
Zinc, Total	410		mg/kg	4.5	0.63	2	07/16/13 12:15	07/17/13 14:25	EPA 3050B	1,6010C	MG



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-18
 Client ID: SB022 (10-12')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Percent Solids: 78%

Date Collected: 07/11/13 14:05
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	12000		mg/kg	9.7	1.9	2	07/16/13 12:15	07/17/13 14:29	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.8	0.77	2	07/16/13 12:15	07/17/13 14:29	EPA 3050B	1,6010C	MG
Arsenic, Total	11		mg/kg	0.97	0.19	2	07/16/13 12:15	07/17/13 14:29	EPA 3050B	1,6010C	MG
Barium, Total	30		mg/kg	0.97	0.29	2	07/16/13 12:15	07/17/13 14:29	EPA 3050B	1,6010C	MG
Beryllium, Total	0.49		mg/kg	0.48	0.10	2	07/16/13 12:15	07/17/13 14:29	EPA 3050B	1,6010C	MG
Cadmium, Total	1.6		mg/kg	0.97	0.07	2	07/16/13 12:15	07/17/13 14:29	EPA 3050B	1,6010C	MG
Calcium, Total	500		mg/kg	9.7	2.9	2	07/16/13 12:15	07/17/13 14:29	EPA 3050B	1,6010C	MG
Chromium, Total	43		mg/kg	0.97	0.19	2	07/16/13 12:15	07/17/13 14:29	EPA 3050B	1,6010C	MG
Cobalt, Total	7.9		mg/kg	1.9	0.48	2	07/16/13 12:15	07/17/13 14:29	EPA 3050B	1,6010C	MG
Copper, Total	42		mg/kg	0.97	0.19	2	07/16/13 12:15	07/17/13 14:29	EPA 3050B	1,6010C	MG
Iron, Total	30000		mg/kg	4.8	1.9	2	07/16/13 12:15	07/17/13 14:29	EPA 3050B	1,6010C	MG
Lead, Total	60		mg/kg	4.8	0.19	2	07/16/13 12:15	07/17/13 14:29	EPA 3050B	1,6010C	MG
Magnesium, Total	2200		mg/kg	9.7	0.97	2	07/16/13 12:15	07/17/13 14:29	EPA 3050B	1,6010C	MG
Manganese, Total	200		mg/kg	0.97	0.19	2	07/16/13 12:15	07/17/13 14:29	EPA 3050B	1,6010C	MG
Mercury, Total	0.80		mg/kg	0.08	0.02	1	07/18/13 11:17	07/18/13 15:17	EPA 7471B	1,7471B	MC
Nickel, Total	10		mg/kg	2.4	0.39	2	07/16/13 12:15	07/17/13 14:29	EPA 3050B	1,6010C	MG
Potassium, Total	680		mg/kg	240	39.	2	07/16/13 12:15	07/17/13 14:29	EPA 3050B	1,6010C	MG
Selenium, Total	0.35	J	mg/kg	1.9	0.29	2	07/16/13 12:15	07/17/13 14:29	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.97	0.19	2	07/16/13 12:15	07/17/13 14:29	EPA 3050B	1,6010C	MG
Sodium, Total	52	J	mg/kg	190	29.	2	07/16/13 12:15	07/17/13 14:29	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.9	0.39	2	07/16/13 12:15	07/17/13 14:29	EPA 3050B	1,6010C	MG
Vanadium, Total	54		mg/kg	0.97	0.10	2	07/16/13 12:15	07/17/13 14:29	EPA 3050B	1,6010C	MG
Zinc, Total	500		mg/kg	4.8	0.68	2	07/16/13 12:15	07/17/13 14:29	EPA 3050B	1,6010C	MG



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-19

Date Collected: 07/11/13 00:00

Client ID: SOIL_DUP_001

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4500		mg/kg	9.0	1.8	2	07/16/13 12:15	07/17/13 14:32	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.5	0.72	2	07/16/13 12:15	07/17/13 14:32	EPA 3050B	1,6010C	MG
Arsenic, Total	11		mg/kg	0.90	0.18	2	07/16/13 12:15	07/17/13 14:32	EPA 3050B	1,6010C	MG
Barium, Total	45		mg/kg	0.90	0.27	2	07/16/13 12:15	07/17/13 14:32	EPA 3050B	1,6010C	MG
Beryllium, Total	0.21	J	mg/kg	0.45	0.09	2	07/16/13 12:15	07/17/13 14:32	EPA 3050B	1,6010C	MG
Cadmium, Total	0.50	J	mg/kg	0.90	0.06	2	07/16/13 12:15	07/17/13 14:32	EPA 3050B	1,6010C	MG
Calcium, Total	35000		mg/kg	9.0	2.7	2	07/16/13 12:15	07/17/13 14:32	EPA 3050B	1,6010C	MG
Chromium, Total	22		mg/kg	0.90	0.18	2	07/16/13 12:15	07/17/13 14:32	EPA 3050B	1,6010C	MG
Cobalt, Total	4.8		mg/kg	1.8	0.45	2	07/16/13 12:15	07/17/13 14:32	EPA 3050B	1,6010C	MG
Copper, Total	31		mg/kg	0.90	0.18	2	07/16/13 12:15	07/17/13 14:32	EPA 3050B	1,6010C	MG
Iron, Total	19000		mg/kg	4.5	1.8	2	07/16/13 12:15	07/17/13 14:32	EPA 3050B	1,6010C	MG
Lead, Total	110		mg/kg	4.5	0.18	2	07/16/13 12:15	07/17/13 14:32	EPA 3050B	1,6010C	MG
Magnesium, Total	1700		mg/kg	9.0	0.90	2	07/16/13 12:15	07/17/13 14:32	EPA 3050B	1,6010C	MG
Manganese, Total	260		mg/kg	0.90	0.18	2	07/16/13 12:15	07/17/13 14:32	EPA 3050B	1,6010C	MG
Mercury, Total	3.2		mg/kg	0.09	0.02	1	07/18/13 11:17	07/18/13 15:19	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.2	0.36	2	07/16/13 12:15	07/17/13 14:32	EPA 3050B	1,6010C	MG
Potassium, Total	1000		mg/kg	220	36.	2	07/16/13 12:15	07/17/13 14:32	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.8	0.27	2	07/16/13 12:15	07/17/13 14:32	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.90	0.18	2	07/16/13 12:15	07/17/13 14:32	EPA 3050B	1,6010C	MG
Sodium, Total	440		mg/kg	180	27.	2	07/16/13 12:15	07/17/13 14:32	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.36	2	07/16/13 12:15	07/17/13 14:32	EPA 3050B	1,6010C	MG
Vanadium, Total	22		mg/kg	0.90	0.09	2	07/16/13 12:15	07/17/13 14:32	EPA 3050B	1,6010C	MG
Zinc, Total	68		mg/kg	4.5	0.63	2	07/16/13 12:15	07/17/13 14:32	EPA 3050B	1,6010C	MG



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-20

Date Collected: 07/11/13 09:25

Client ID: EQUIP_BLANK_SOIL_001

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.00453	J	mg/l	0.0100	0.00200	1	07/15/13 12:07	07/15/13 20:07	EPA 3005A	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	07/15/13 12:07	07/15/13 20:07	EPA 3005A	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	07/15/13 12:07	07/15/13 20:07	EPA 3005A	1,6020A	BM
Barium, Total	0.00032	J	mg/l	0.00050	0.00010	1	07/15/13 12:07	07/15/13 20:07	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/15/13 12:07	07/15/13 20:07	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	07/15/13 12:07	07/15/13 20:07	EPA 3005A	1,6020A	BM
Calcium, Total	0.0366	J	mg/l	0.100	0.0320	1	07/15/13 12:07	07/15/13 20:07	EPA 3005A	1,6020A	BM
Chromium, Total	0.00067	J	mg/l	0.00100	0.00020	1	07/15/13 12:07	07/15/13 20:07	EPA 3005A	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	07/15/13 12:07	07/15/13 20:07	EPA 3005A	1,6020A	BM
Copper, Total	0.00032	J	mg/l	0.00100	0.00010	1	07/15/13 12:07	07/15/13 20:07	EPA 3005A	1,6020A	BM
Iron, Total	0.0143	J	mg/l	0.0500	0.0130	1	07/15/13 12:07	07/15/13 20:07	EPA 3005A	1,6020A	BM
Lead, Total	0.00024	J	mg/l	0.00100	0.00020	1	07/15/13 12:07	07/15/13 20:07	EPA 3005A	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	07/15/13 12:07	07/15/13 20:07	EPA 3005A	1,6020A	BM
Manganese, Total	0.00037	J	mg/l	0.00100	0.00010	1	07/15/13 12:07	07/15/13 20:07	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	07/18/13 08:30	07/18/13 12:16	EPA 7470A	1,7470A	JH
Nickel, Total	0.00021	J	mg/l	0.00100	0.00010	1	07/15/13 12:07	07/15/13 20:07	EPA 3005A	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	07/15/13 12:07	07/15/13 20:07	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	07/15/13 12:07	07/15/13 20:07	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	07/15/13 12:07	07/15/13 20:07	EPA 3005A	1,6020A	BM
Sodium, Total	0.0206	J	mg/l	0.100	0.0150	1	07/15/13 12:07	07/15/13 20:07	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	07/15/13 12:07	07/15/13 20:07	EPA 3005A	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	07/15/13 12:07	07/15/13 20:07	EPA 3005A	1,6020A	BM
Zinc, Total	0.00531	J	mg/l	0.01000	0.00120	1	07/15/13 12:07	07/15/13 20:07	EPA 3005A	1,6020A	BM



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-21

Date Collected: 07/11/13 12:20

Client ID: SB020 (GW)

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2.44		mg/l	0.200	0.0400	20	07/25/13 10:27	07/25/13 16:32	EPA 3005A	1,6020A	BM
Antimony, Total	0.01626		mg/l	0.00100	0.00010	1	07/25/13 10:27	07/25/13 17:03	EPA 3005A	1,6020A	BM
Arsenic, Total	0.01624		mg/l	0.00050	0.00020	1	07/25/13 10:27	07/25/13 17:03	EPA 3005A	1,6020A	BM
Barium, Total	0.1269		mg/l	0.00050	0.00010	1	07/25/13 10:27	07/25/13 17:03	EPA 3005A	1,6020A	BM
Beryllium, Total	0.00012	J	mg/l	0.00050	0.00010	1	07/25/13 10:27	07/25/13 17:03	EPA 3005A	1,6020A	BM
Cadmium, Total	0.00037		mg/l	0.00020	0.00005	1	07/25/13 10:27	07/25/13 17:03	EPA 3005A	1,6020A	BM
Calcium, Total	221.		mg/l	2.00	0.640	20	07/25/13 10:27	07/25/13 16:32	EPA 3005A	1,6020A	BM
Chromium, Total	0.00701		mg/l	0.00100	0.00020	1	07/25/13 10:27	07/25/13 17:03	EPA 3005A	1,6020A	BM
Cobalt, Total	0.01597		mg/l	0.00050	0.00010	1	07/25/13 10:27	07/25/13 17:03	EPA 3005A	1,6020A	BM
Copper, Total	0.03638		mg/l	0.00100	0.00010	1	07/25/13 10:27	07/25/13 17:03	EPA 3005A	1,6020A	BM
Iron, Total	6.26		mg/l	0.0500	0.0130	1	07/25/13 10:27	07/25/13 17:03	EPA 3005A	1,6020A	BM
Lead, Total	0.2408		mg/l	0.00100	0.00020	1	07/25/13 10:27	07/25/13 17:03	EPA 3005A	1,6020A	BM
Magnesium, Total	17.3		mg/l	0.0700	0.0230	1	07/25/13 10:27	07/25/13 17:03	EPA 3005A	1,6020A	BM
Manganese, Total	2.390		mg/l	0.02000	0.00200	20	07/25/13 10:27	07/25/13 16:32	EPA 3005A	1,6020A	BM
Mercury, Total	0.00209		mg/l	0.00020	0.00006	1	07/18/13 08:30	07/18/13 12:18	EPA 7470A	1,7470A	JH
Nickel, Total	0.01510		mg/l	0.00100	0.00010	1	07/25/13 10:27	07/25/13 17:03	EPA 3005A	1,6020A	BM
Potassium, Total	13.4		mg/l	0.100	0.0270	1	07/25/13 10:27	07/25/13 17:03	EPA 3005A	1,6020A	BM
Selenium, Total	0.00864		mg/l	0.00500	0.00030	1	07/25/13 10:27	07/25/13 17:03	EPA 3005A	1,6020A	BM
Silver, Total	0.00043		mg/l	0.00040	0.00010	1	07/25/13 10:27	07/25/13 17:03	EPA 3005A	1,6020A	BM
Sodium, Total	49.5		mg/l	2.00	0.300	20	07/25/13 10:27	07/25/13 16:32	EPA 3005A	1,6020A	BM
Thallium, Total	0.00007	J	mg/l	0.00050	0.00003	1	07/25/13 10:27	07/25/13 17:03	EPA 3005A	1,6020A	BM
Vanadium, Total	0.00769		mg/l	0.00500	0.00010	1	07/25/13 10:27	07/25/13 17:03	EPA 3005A	1,6020A	BM
Zinc, Total	0.9458		mg/l	0.2000	0.02400	20	07/25/13 10:27	07/25/13 16:32	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.0241		mg/l	0.0100	0.00200	1	07/13/13 08:26	07/16/13 00:28	NA	1,6020A	BM
Antimony, Dissolved	0.01508		mg/l	0.00100	0.00010	1	07/13/13 08:26	07/16/13 00:28	NA	1,6020A	BM
Arsenic, Dissolved	0.00546		mg/l	0.00050	0.00020	1	07/13/13 08:26	07/16/13 00:28	NA	1,6020A	BM
Barium, Dissolved	0.08380		mg/l	0.00050	0.00010	1	07/13/13 08:26	07/16/13 00:28	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	07/13/13 08:26	07/16/13 00:28	NA	1,6020A	BM
Cadmium, Dissolved	0.00026		mg/l	0.00020	0.00005	1	07/13/13 08:26	07/16/13 00:28	NA	1,6020A	BM



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-21

Date Collected: 07/11/13 12:20

Client ID: SB020 (GW)

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	225.		mg/l	2.00	0.640	20	07/13/13 08:26	07/15/13 23:31	NA	1,6020A	BM
Chromium, Dissolved	0.00279		mg/l	0.00100	0.00020	1	07/13/13 08:26	07/16/13 00:28	NA	1,6020A	BM
Cobalt, Dissolved	0.01325		mg/l	0.00050	0.00010	1	07/13/13 08:26	07/16/13 00:28	NA	1,6020A	BM
Copper, Dissolved	0.00589		mg/l	0.00100	0.00010	1	07/13/13 08:26	07/16/13 00:28	NA	1,6020A	BM
Iron, Dissolved	1.34		mg/l	0.0500	0.0130	1	07/13/13 08:26	07/16/13 00:28	NA	1,6020A	BM
Lead, Dissolved	0.00332		mg/l	0.00100	0.00020	1	07/13/13 08:26	07/16/13 00:28	NA	1,6020A	BM
Magnesium, Dissolved	18.2		mg/l	0.0700	0.0230	1	07/13/13 08:26	07/16/13 00:28	NA	1,6020A	BM
Manganese, Dissolved	2.340		mg/l	0.02000	0.00200	20	07/13/13 08:26	07/15/13 23:31	NA	1,6020A	BM
Mercury, Dissolved	0.00007	J	mg/l	0.00020	0.00006	1	07/18/13 08:30	07/18/13 11:57	EPA 7470A	1,7470A	JH
Nickel, Dissolved	0.01056		mg/l	0.00100	0.00010	1	07/13/13 08:26	07/16/13 00:28	NA	1,6020A	BM
Potassium, Dissolved	13.1		mg/l	0.100	0.0270	1	07/13/13 08:26	07/16/13 00:28	NA	1,6020A	BM
Selenium, Dissolved	0.00905		mg/l	0.00500	0.00030	1	07/13/13 08:26	07/16/13 00:28	NA	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	07/13/13 08:26	07/16/13 00:28	NA	1,6020A	BM
Sodium, Dissolved	50.7		mg/l	2.00	0.300	20	07/13/13 08:26	07/15/13 23:31	NA	1,6020A	BM
Thallium, Dissolved	0.00003	J	mg/l	0.00050	0.00003	1	07/13/13 08:26	07/16/13 00:28	NA	1,6020A	BM
Vanadium, Dissolved	0.00163	J	mg/l	0.00500	0.00010	1	07/13/13 08:26	07/16/13 00:28	NA	1,6020A	BM
Zinc, Dissolved	0.6912		mg/l	0.2000	0.02400	20	07/13/13 08:26	07/15/13 23:31	NA	1,6020A	BM



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-22
 Client ID: SB021 (GW)
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water

Date Collected: 07/11/13 13:00
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2.07		mg/l	0.200	0.0400	20	07/15/13 12:07	07/16/13 02:32	EPA 3005A	1,6020A	BM
Antimony, Total	0.01006		mg/l	0.00100	0.00010	1	07/15/13 12:07	07/16/13 03:54	EPA 3005A	1,6020A	BM
Arsenic, Total	0.05225		mg/l	0.00050	0.00020	1	07/15/13 12:07	07/16/13 03:54	EPA 3005A	1,6020A	BM
Barium, Total	0.1470		mg/l	0.00050	0.00010	1	07/15/13 12:07	07/16/13 03:54	EPA 3005A	1,6020A	BM
Beryllium, Total	0.00013	J	mg/l	0.00050	0.00010	1	07/15/13 12:07	07/16/13 03:54	EPA 3005A	1,6020A	BM
Cadmium, Total	0.00068		mg/l	0.00020	0.00005	1	07/15/13 12:07	07/16/13 03:54	EPA 3005A	1,6020A	BM
Calcium, Total	141.		mg/l	2.00	0.640	20	07/15/13 12:07	07/16/13 02:32	EPA 3005A	1,6020A	BM
Chromium, Total	0.00765		mg/l	0.00100	0.00020	1	07/15/13 12:07	07/16/13 03:54	EPA 3005A	1,6020A	BM
Cobalt, Total	0.00207		mg/l	0.00050	0.00010	1	07/15/13 12:07	07/16/13 03:54	EPA 3005A	1,6020A	BM
Copper, Total	0.03153		mg/l	0.00100	0.00010	1	07/15/13 12:07	07/16/13 03:54	EPA 3005A	1,6020A	BM
Iron, Total	4.79		mg/l	0.0500	0.0130	1	07/15/13 12:07	07/16/13 03:54	EPA 3005A	1,6020A	BM
Lead, Total	0.6442		mg/l	0.02000	0.00400	20	07/15/13 12:07	07/16/13 02:32	EPA 3005A	1,6020A	BM
Magnesium, Total	7.34		mg/l	0.0700	0.0230	1	07/15/13 12:07	07/16/13 03:54	EPA 3005A	1,6020A	BM
Manganese, Total	0.1176		mg/l	0.00100	0.00010	1	07/15/13 12:07	07/16/13 03:54	EPA 3005A	1,6020A	BM
Mercury, Total	0.00338		mg/l	0.00020	0.00006	1	07/18/13 08:30	07/18/13 12:23	EPA 7470A	1,7470A	JH
Nickel, Total	0.00788		mg/l	0.00100	0.00010	1	07/15/13 12:07	07/16/13 03:54	EPA 3005A	1,6020A	BM
Potassium, Total	4.32		mg/l	0.100	0.0270	1	07/15/13 12:07	07/16/13 03:54	EPA 3005A	1,6020A	BM
Selenium, Total	0.00399	J	mg/l	0.00500	0.00030	1	07/15/13 12:07	07/16/13 03:54	EPA 3005A	1,6020A	BM
Silver, Total	0.00010	J	mg/l	0.00040	0.00010	1	07/15/13 12:07	07/16/13 03:54	EPA 3005A	1,6020A	BM
Sodium, Total	15.5		mg/l	0.100	0.0150	1	07/15/13 12:07	07/16/13 03:54	EPA 3005A	1,6020A	BM
Thallium, Total	0.00006	J	mg/l	0.00050	0.00003	1	07/15/13 12:07	07/16/13 03:54	EPA 3005A	1,6020A	BM
Vanadium, Total	0.00588		mg/l	0.00500	0.00010	1	07/15/13 12:07	07/16/13 03:54	EPA 3005A	1,6020A	BM
Zinc, Total	1.124		mg/l	0.2000	0.02400	20	07/15/13 12:07	07/16/13 02:32	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.0152		mg/l	0.0100	0.00200	1	07/13/13 08:26	07/16/13 00:40	NA	1,6020A	BM
Antimony, Dissolved	0.00849		mg/l	0.00100	0.00010	1	07/13/13 08:26	07/16/13 00:40	NA	1,6020A	BM
Arsenic, Dissolved	0.00535		mg/l	0.00050	0.00020	1	07/13/13 08:26	07/16/13 00:40	NA	1,6020A	BM
Barium, Dissolved	0.1127		mg/l	0.00050	0.00010	1	07/13/13 08:26	07/16/13 00:40	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	07/13/13 08:26	07/16/13 00:40	NA	1,6020A	BM
Cadmium, Dissolved	0.00047		mg/l	0.00020	0.00005	1	07/13/13 08:26	07/16/13 00:40	NA	1,6020A	BM



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-22

Date Collected: 07/11/13 13:00

Client ID: SB021 (GW)

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	153.		mg/l	2.00	0.640	20	07/13/13 08:26	07/16/13 00:09	NA	1,6020A	BM
Chromium, Dissolved	0.00184		mg/l	0.00100	0.00020	1	07/13/13 08:26	07/16/13 00:40	NA	1,6020A	BM
Cobalt, Dissolved	0.00107		mg/l	0.00050	0.00010	1	07/13/13 08:26	07/16/13 00:40	NA	1,6020A	BM
Copper, Dissolved	0.00156		mg/l	0.00100	0.00010	1	07/13/13 08:26	07/16/13 00:40	NA	1,6020A	BM
Iron, Dissolved	0.764		mg/l	0.0500	0.0130	1	07/13/13 08:26	07/16/13 00:40	NA	1,6020A	BM
Lead, Dissolved	0.01924		mg/l	0.00100	0.00020	1	07/13/13 08:26	07/16/13 00:40	NA	1,6020A	BM
Magnesium, Dissolved	6.98		mg/l	0.0700	0.0230	1	07/13/13 08:26	07/16/13 00:40	NA	1,6020A	BM
Manganese, Dissolved	0.06405		mg/l	0.00100	0.00010	1	07/13/13 08:26	07/16/13 00:40	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	07/18/13 08:30	07/18/13 12:07	EPA 7470A	1,7470A	JH
Nickel, Dissolved	0.00498		mg/l	0.00100	0.00010	1	07/13/13 08:26	07/16/13 00:40	NA	1,6020A	BM
Potassium, Dissolved	4.13		mg/l	0.100	0.0270	1	07/13/13 08:26	07/16/13 00:40	NA	1,6020A	BM
Selenium, Dissolved	0.00357	J	mg/l	0.00500	0.00030	1	07/13/13 08:26	07/16/13 00:40	NA	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	07/13/13 08:26	07/16/13 00:40	NA	1,6020A	BM
Sodium, Dissolved	15.8		mg/l	0.100	0.0150	1	07/13/13 08:26	07/16/13 00:40	NA	1,6020A	BM
Thallium, Dissolved	0.00003	J	mg/l	0.00050	0.00003	1	07/13/13 08:26	07/16/13 00:40	NA	1,6020A	BM
Vanadium, Dissolved	0.00092	J	mg/l	0.00500	0.00010	1	07/13/13 08:26	07/16/13 00:40	NA	1,6020A	BM
Zinc, Dissolved	0.9086		mg/l	0.2000	0.02400	20	07/13/13 08:26	07/16/13 00:09	NA	1,6020A	BM



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-23
 Client ID: SB022 (GW)
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Water

Date Collected: 07/11/13 14:40
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7.03		mg/l	0.200	0.0400	20	07/15/13 12:07	07/16/13 02:39	EPA 3005A	1,6020A	BM
Antimony, Total	0.00748		mg/l	0.00200	0.00020	2	07/15/13 12:07	07/16/13 04:00	EPA 3005A	1,6020A	BM
Arsenic, Total	0.01531		mg/l	0.00100	0.00040	2	07/15/13 12:07	07/16/13 04:00	EPA 3005A	1,6020A	BM
Barium, Total	0.1786		mg/l	0.00100	0.00020	2	07/15/13 12:07	07/16/13 04:00	EPA 3005A	1,6020A	BM
Beryllium, Total	0.00066	J	mg/l	0.00100	0.00020	2	07/15/13 12:07	07/16/13 04:00	EPA 3005A	1,6020A	BM
Cadmium, Total	0.00648		mg/l	0.00040	0.00010	2	07/15/13 12:07	07/16/13 04:00	EPA 3005A	1,6020A	BM
Calcium, Total	384.		mg/l	2.00	0.640	20	07/15/13 12:07	07/16/13 02:39	EPA 3005A	1,6020A	BM
Chromium, Total	0.05300		mg/l	0.00200	0.00040	2	07/15/13 12:07	07/16/13 04:00	EPA 3005A	1,6020A	BM
Cobalt, Total	0.01436		mg/l	0.00100	0.00020	2	07/15/13 12:07	07/16/13 04:00	EPA 3005A	1,6020A	BM
Copper, Total	0.4974		mg/l	0.00200	0.00020	2	07/15/13 12:07	07/16/13 04:00	EPA 3005A	1,6020A	BM
Iron, Total	9.93		mg/l	0.100	0.0260	2	07/15/13 12:07	07/16/13 04:00	EPA 3005A	1,6020A	BM
Lead, Total	5.864		mg/l	0.02000	0.00400	20	07/15/13 12:07	07/16/13 02:39	EPA 3005A	1,6020A	BM
Magnesium, Total	16.6		mg/l	0.140	0.0460	2	07/15/13 12:07	07/16/13 04:00	EPA 3005A	1,6020A	BM
Manganese, Total	0.4904		mg/l	0.00200	0.00020	2	07/15/13 12:07	07/16/13 04:00	EPA 3005A	1,6020A	BM
Mercury, Total	0.1637		mg/l	0.00200	0.00066	10	07/18/13 08:30	07/18/13 12:37	EPA 7470A	1,7470A	JH
Nickel, Total	0.03300		mg/l	0.00200	0.00020	2	07/15/13 12:07	07/16/13 04:00	EPA 3005A	1,6020A	BM
Potassium, Total	8.78		mg/l	0.200	0.0540	2	07/15/13 12:07	07/16/13 04:00	EPA 3005A	1,6020A	BM
Selenium, Total	0.0104		mg/l	0.0100	0.00060	2	07/15/13 12:07	07/16/13 04:00	EPA 3005A	1,6020A	BM
Silver, Total	0.00151		mg/l	0.00080	0.00020	2	07/15/13 12:07	07/16/13 04:00	EPA 3005A	1,6020A	BM
Sodium, Total	47.9		mg/l	0.200	0.0300	2	07/15/13 12:07	07/16/13 04:00	EPA 3005A	1,6020A	BM
Thallium, Total	0.00023	J	mg/l	0.00100	0.00006	2	07/15/13 12:07	07/16/13 04:00	EPA 3005A	1,6020A	BM
Vanadium, Total	0.01528		mg/l	0.01000	0.00020	2	07/15/13 12:07	07/16/13 04:00	EPA 3005A	1,6020A	BM
Zinc, Total	2.434		mg/l	0.2000	0.02400	20	07/15/13 12:07	07/16/13 02:39	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.223		mg/l	0.0100	0.00200	1	07/13/13 08:26	07/16/13 00:46	NA	1,6020A	BM
Antimony, Dissolved	0.00378		mg/l	0.00100	0.00010	1	07/13/13 08:26	07/16/13 00:46	NA	1,6020A	BM
Arsenic, Dissolved	0.00116		mg/l	0.00050	0.00020	1	07/13/13 08:26	07/16/13 00:46	NA	1,6020A	BM
Barium, Dissolved	0.04572		mg/l	0.00050	0.00010	1	07/13/13 08:26	07/16/13 00:46	NA	1,6020A	BM
Beryllium, Dissolved	0.00015	J	mg/l	0.00050	0.00010	1	07/13/13 08:26	07/16/13 00:46	NA	1,6020A	BM
Cadmium, Dissolved	0.00439		mg/l	0.00020	0.00005	1	07/13/13 08:26	07/16/13 00:46	NA	1,6020A	BM



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-23

Date Collected: 07/11/13 14:40

Client ID: SB022 (GW)

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	402.		mg/l	2.00	0.640	20	07/13/13 08:26	07/16/13 00:15	NA	1,6020A	BM
Chromium, Dissolved	0.00241		mg/l	0.00100	0.00020	1	07/13/13 08:26	07/16/13 00:46	NA	1,6020A	BM
Cobalt, Dissolved	0.01107		mg/l	0.00050	0.00010	1	07/13/13 08:26	07/16/13 00:46	NA	1,6020A	BM
Copper, Dissolved	0.1285		mg/l	0.00100	0.00010	1	07/13/13 08:26	07/16/13 00:46	NA	1,6020A	BM
Iron, Dissolved	1.86		mg/l	0.0500	0.0130	1	07/13/13 08:26	07/16/13 00:46	NA	1,6020A	BM
Lead, Dissolved	1.188		mg/l	0.02000	0.00400	20	07/13/13 08:26	07/16/13 00:15	NA	1,6020A	BM
Magnesium, Dissolved	15.0		mg/l	0.0700	0.0230	1	07/13/13 08:26	07/16/13 00:46	NA	1,6020A	BM
Manganese, Dissolved	0.3659		mg/l	0.00100	0.00010	1	07/13/13 08:26	07/16/13 00:46	NA	1,6020A	BM
Mercury, Dissolved	0.00192		mg/l	0.00020	0.00006	1	07/18/13 08:30	07/18/13 12:08	EPA 7470A	1,7470A	JH
Nickel, Dissolved	0.02514		mg/l	0.00100	0.00010	1	07/13/13 08:26	07/16/13 00:46	NA	1,6020A	BM
Potassium, Dissolved	7.82		mg/l	0.100	0.0270	1	07/13/13 08:26	07/16/13 00:46	NA	1,6020A	BM
Selenium, Dissolved	0.00730		mg/l	0.00500	0.00030	1	07/13/13 08:26	07/16/13 00:46	NA	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	07/13/13 08:26	07/16/13 00:46	NA	1,6020A	BM
Sodium, Dissolved	59.0		mg/l	2.00	0.300	20	07/13/13 08:26	07/16/13 00:15	NA	1,6020A	BM
Thallium, Dissolved	0.00009	J	mg/l	0.00050	0.00003	1	07/13/13 08:26	07/16/13 00:46	NA	1,6020A	BM
Vanadium, Dissolved	0.00049	J	mg/l	0.00500	0.00010	1	07/13/13 08:26	07/16/13 00:46	NA	1,6020A	BM
Zinc, Dissolved	1.346		mg/l	0.2000	0.02400	20	07/13/13 08:26	07/16/13 00:15	NA	1,6020A	BM



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-24

Date Collected: 07/11/13 00:00

Client ID: GW_DUP_001

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.299		mg/l	0.0100	0.00200	1	07/15/13 12:07	07/16/13 04:06	EPA 3005A	1,6020A	BM
Antimony, Total	0.00812		mg/l	0.00100	0.00010	1	07/15/13 12:07	07/16/13 04:06	EPA 3005A	1,6020A	BM
Arsenic, Total	0.01509		mg/l	0.00050	0.00020	1	07/15/13 12:07	07/16/13 04:06	EPA 3005A	1,6020A	BM
Barium, Total	0.1117		mg/l	0.00050	0.00010	1	07/15/13 12:07	07/16/13 04:06	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/15/13 12:07	07/16/13 04:06	EPA 3005A	1,6020A	BM
Cadmium, Total	0.00057		mg/l	0.00020	0.00005	1	07/15/13 12:07	07/16/13 04:06	EPA 3005A	1,6020A	BM
Calcium, Total	118.		mg/l	2.00	0.640	20	07/15/13 12:07	07/16/13 02:45	EPA 3005A	1,6020A	BM
Chromium, Total	0.00386		mg/l	0.00100	0.00020	1	07/15/13 12:07	07/16/13 04:06	EPA 3005A	1,6020A	BM
Cobalt, Total	0.00066		mg/l	0.00050	0.00010	1	07/15/13 12:07	07/16/13 04:06	EPA 3005A	1,6020A	BM
Copper, Total	0.00705		mg/l	0.00100	0.00010	1	07/15/13 12:07	07/16/13 04:06	EPA 3005A	1,6020A	BM
Iron, Total	1.23		mg/l	0.0500	0.0130	1	07/15/13 12:07	07/16/13 04:06	EPA 3005A	1,6020A	BM
Lead, Total	0.1104		mg/l	0.00100	0.00020	1	07/15/13 12:07	07/16/13 04:06	EPA 3005A	1,6020A	BM
Magnesium, Total	6.52		mg/l	0.0700	0.0230	1	07/15/13 12:07	07/16/13 04:06	EPA 3005A	1,6020A	BM
Manganese, Total	0.03127		mg/l	0.00100	0.00010	1	07/15/13 12:07	07/16/13 04:06	EPA 3005A	1,6020A	BM
Mercury, Total	0.00055		mg/l	0.00020	0.00006	1	07/18/13 08:30	07/18/13 12:32	EPA 7470A	1,7470A	JH
Nickel, Total	0.00482		mg/l	0.00100	0.00010	1	07/15/13 12:07	07/16/13 04:06	EPA 3005A	1,6020A	BM
Potassium, Total	3.92		mg/l	0.100	0.0270	1	07/15/13 12:07	07/16/13 04:06	EPA 3005A	1,6020A	BM
Selenium, Total	0.00320	J	mg/l	0.00500	0.00030	1	07/15/13 12:07	07/16/13 04:06	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	07/15/13 12:07	07/16/13 04:06	EPA 3005A	1,6020A	BM
Sodium, Total	14.4		mg/l	0.100	0.0150	1	07/15/13 12:07	07/16/13 04:06	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	07/15/13 12:07	07/16/13 04:06	EPA 3005A	1,6020A	BM
Vanadium, Total	0.00146	J	mg/l	0.00500	0.00010	1	07/15/13 12:07	07/16/13 04:06	EPA 3005A	1,6020A	BM
Zinc, Total	0.7938		mg/l	0.2000	0.02400	20	07/15/13 12:07	07/16/13 02:45	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.00948	J	mg/l	0.0100	0.00200	1	07/13/13 08:26	07/16/13 01:43	NA	1,6020A	BM
Antimony, Dissolved	0.00893		mg/l	0.00100	0.00010	1	07/13/13 08:26	07/16/13 01:43	NA	1,6020A	BM
Arsenic, Dissolved	0.00595		mg/l	0.00050	0.00020	1	07/13/13 08:26	07/16/13 01:43	NA	1,6020A	BM
Barium, Dissolved	0.1101		mg/l	0.00050	0.00010	1	07/13/13 08:26	07/16/13 01:43	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	07/13/13 08:26	07/16/13 01:43	NA	1,6020A	BM
Cadmium, Dissolved	0.00053		mg/l	0.00020	0.00005	1	07/13/13 08:26	07/16/13 01:43	NA	1,6020A	BM



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-24

Date Collected: 07/11/13 00:00

Client ID: GW_DUP_001

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	135.		mg/l	2.00	0.640	20	07/13/13 08:26	07/16/13 00:21	NA	1,6020A	BM
Chromium, Dissolved	0.00161		mg/l	0.00100	0.00020	1	07/13/13 08:26	07/16/13 01:43	NA	1,6020A	BM
Cobalt, Dissolved	0.00051		mg/l	0.00050	0.00010	1	07/13/13 08:26	07/16/13 01:43	NA	1,6020A	BM
Copper, Dissolved	0.00252		mg/l	0.00100	0.00010	1	07/13/13 08:26	07/16/13 01:43	NA	1,6020A	BM
Iron, Dissolved	0.644		mg/l	0.0500	0.0130	1	07/13/13 08:26	07/16/13 01:43	NA	1,6020A	BM
Lead, Dissolved	0.01022		mg/l	0.00100	0.00020	1	07/13/13 08:26	07/16/13 01:43	NA	1,6020A	BM
Magnesium, Dissolved	6.59		mg/l	0.0700	0.0230	1	07/13/13 08:26	07/16/13 01:43	NA	1,6020A	BM
Manganese, Dissolved	0.02503		mg/l	0.00100	0.00010	1	07/13/13 08:26	07/16/13 01:43	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	07/18/13 08:30	07/18/13 12:10	EPA 7470A	1,7470A	JH
Nickel, Dissolved	0.00462		mg/l	0.00100	0.00010	1	07/13/13 08:26	07/16/13 01:43	NA	1,6020A	BM
Potassium, Dissolved	3.87		mg/l	0.100	0.0270	1	07/13/13 08:26	07/16/13 01:43	NA	1,6020A	BM
Selenium, Dissolved	0.00360	J	mg/l	0.00500	0.00030	1	07/13/13 08:26	07/16/13 01:43	NA	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	07/13/13 08:26	07/16/13 01:43	NA	1,6020A	BM
Sodium, Dissolved	15.0		mg/l	0.100	0.0150	1	07/13/13 08:26	07/16/13 01:43	NA	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	07/13/13 08:26	07/16/13 01:43	NA	1,6020A	BM
Vanadium, Dissolved	0.00084	J	mg/l	0.00500	0.00010	1	07/13/13 08:26	07/16/13 01:43	NA	1,6020A	BM
Zinc, Dissolved	0.8548		mg/l	0.2000	0.02400	20	07/13/13 08:26	07/16/13 00:21	NA	1,6020A	BM



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-25

Date Collected: 07/11/13 08:30

Client ID: EQUIP_BLANK_GW_001

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.00769	J	mg/l	0.0100	0.00200	1	07/15/13 12:07	07/15/13 20:14	EPA 3005A	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	07/15/13 12:07	07/15/13 20:14	EPA 3005A	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	07/15/13 12:07	07/15/13 20:14	EPA 3005A	1,6020A	BM
Barium, Total	0.00010	J	mg/l	0.00050	0.00010	1	07/15/13 12:07	07/15/13 20:14	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/15/13 12:07	07/15/13 20:14	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	07/15/13 12:07	07/15/13 20:14	EPA 3005A	1,6020A	BM
Calcium, Total	ND		mg/l	0.100	0.0320	1	07/15/13 12:07	07/15/13 20:14	EPA 3005A	1,6020A	BM
Chromium, Total	0.00039	J	mg/l	0.00100	0.00020	1	07/15/13 12:07	07/15/13 20:14	EPA 3005A	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	07/15/13 12:07	07/15/13 20:14	EPA 3005A	1,6020A	BM
Copper, Total	ND		mg/l	0.00100	0.00010	1	07/15/13 12:07	07/15/13 20:14	EPA 3005A	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	07/15/13 12:07	07/15/13 20:14	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	07/15/13 12:07	07/15/13 20:14	EPA 3005A	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	07/15/13 12:07	07/15/13 20:14	EPA 3005A	1,6020A	BM
Manganese, Total	0.00011	J	mg/l	0.00100	0.00010	1	07/15/13 12:07	07/15/13 20:14	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	07/18/13 08:30	07/18/13 12:33	EPA 7470A	1,7470A	JH
Nickel, Total	0.00010	J	mg/l	0.00100	0.00010	1	07/15/13 12:07	07/15/13 20:14	EPA 3005A	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	07/15/13 12:07	07/15/13 20:14	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	07/15/13 12:07	07/15/13 20:14	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	07/15/13 12:07	07/15/13 20:14	EPA 3005A	1,6020A	BM
Sodium, Total	ND		mg/l	0.100	0.0150	1	07/15/13 12:07	07/15/13 20:14	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	07/15/13 12:07	07/15/13 20:14	EPA 3005A	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	07/15/13 12:07	07/15/13 20:14	EPA 3005A	1,6020A	BM
Zinc, Total	0.00205	J	mg/l	0.01000	0.00120	1	07/15/13 12:07	07/15/13 20:14	EPA 3005A	1,6020A	BM



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-27
 Client ID: SB023 (6-8')
 Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
 Matrix: Soil
 Percent Solids: 81%

Date Collected: 07/11/13 08:50
 Date Received: 07/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	11000		mg/kg	9.5	1.9	2	07/16/13 14:49	07/17/13 18:11	EPA 3050B	1,6010C	TT
Antimony, Total	1.9	J	mg/kg	4.7	0.76	2	07/16/13 14:49	07/17/13 18:11	EPA 3050B	1,6010C	TT
Arsenic, Total	4.3		mg/kg	0.95	0.19	2	07/16/13 14:49	07/17/13 18:11	EPA 3050B	1,6010C	TT
Barium, Total	120		mg/kg	0.95	0.28	2	07/16/13 14:49	07/17/13 18:11	EPA 3050B	1,6010C	TT
Beryllium, Total	0.51		mg/kg	0.47	0.10	2	07/16/13 14:49	07/17/13 18:11	EPA 3050B	1,6010C	TT
Cadmium, Total	0.43	J	mg/kg	0.95	0.07	2	07/16/13 14:49	07/17/13 18:11	EPA 3050B	1,6010C	TT
Calcium, Total	60000		mg/kg	9.5	2.8	2	07/16/13 14:49	07/17/13 18:11	EPA 3050B	1,6010C	TT
Chromium, Total	15		mg/kg	0.95	0.19	2	07/16/13 14:49	07/17/13 18:11	EPA 3050B	1,6010C	TT
Cobalt, Total	4.1		mg/kg	1.9	0.47	2	07/16/13 14:49	07/17/13 18:11	EPA 3050B	1,6010C	TT
Copper, Total	23		mg/kg	0.95	0.19	2	07/16/13 14:49	07/17/13 18:11	EPA 3050B	1,6010C	TT
Iron, Total	16000		mg/kg	4.7	1.9	2	07/16/13 14:49	07/17/13 18:11	EPA 3050B	1,6010C	TT
Lead, Total	52		mg/kg	4.7	0.19	2	07/16/13 14:49	07/17/13 18:11	EPA 3050B	1,6010C	TT
Magnesium, Total	30000		mg/kg	9.5	0.95	2	07/16/13 14:49	07/17/13 18:11	EPA 3050B	1,6010C	TT
Manganese, Total	1400		mg/kg	0.95	0.19	2	07/16/13 14:49	07/17/13 18:11	EPA 3050B	1,6010C	TT
Mercury, Total	0.098	J	mg/kg	0.100	0.021	1	07/18/13 11:17	07/18/13 15:21	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.4	0.38	2	07/16/13 14:49	07/17/13 18:11	EPA 3050B	1,6010C	TT
Potassium, Total	1400		mg/kg	240	38.	2	07/16/13 14:49	07/17/13 18:11	EPA 3050B	1,6010C	TT
Selenium, Total	0.33	J	mg/kg	1.9	0.28	2	07/16/13 14:49	07/17/13 18:11	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.95	0.19	2	07/16/13 14:49	07/17/13 18:11	EPA 3050B	1,6010C	TT
Sodium, Total	440		mg/kg	190	28.	2	07/16/13 14:49	07/17/13 18:11	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.38	2	07/16/13 14:49	07/17/13 18:11	EPA 3050B	1,6010C	TT
Vanadium, Total	20		mg/kg	0.95	0.10	2	07/16/13 14:49	07/17/13 18:11	EPA 3050B	1,6010C	TT
Zinc, Total	62		mg/kg	4.7	0.66	2	07/16/13 14:49	07/17/13 18:11	EPA 3050B	1,6010C	TT



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-28

Date Collected: 07/11/13 09:40

Client ID: FD002

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4800		mg/kg	9.6	1.9	2	07/16/13 14:49	07/17/13 18:15	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.8	0.77	2	07/16/13 14:49	07/17/13 18:15	EPA 3050B	1,6010C	TT
Arsenic, Total	42		mg/kg	0.96	0.19	2	07/16/13 14:49	07/17/13 18:15	EPA 3050B	1,6010C	TT
Barium, Total	420		mg/kg	0.96	0.29	2	07/16/13 14:49	07/17/13 18:15	EPA 3050B	1,6010C	TT
Beryllium, Total	0.32	J	mg/kg	0.48	0.10	2	07/16/13 14:49	07/17/13 18:15	EPA 3050B	1,6010C	TT
Cadmium, Total	12		mg/kg	0.96	0.07	2	07/16/13 14:49	07/17/13 18:15	EPA 3050B	1,6010C	TT
Calcium, Total	22000		mg/kg	9.6	2.9	2	07/16/13 14:49	07/17/13 18:15	EPA 3050B	1,6010C	TT
Chromium, Total	220		mg/kg	0.96	0.19	2	07/16/13 14:49	07/17/13 18:15	EPA 3050B	1,6010C	TT
Cobalt, Total	53		mg/kg	1.9	0.48	2	07/16/13 14:49	07/17/13 18:15	EPA 3050B	1,6010C	TT
Copper, Total	840		mg/kg	0.96	0.19	2	07/16/13 14:49	07/17/13 18:15	EPA 3050B	1,6010C	TT
Iron, Total	260000		mg/kg	24	9.6	10	07/16/13 14:49	07/18/13 11:40	EPA 3050B	1,6010C	TT
Lead, Total	600		mg/kg	4.8	0.19	2	07/16/13 14:49	07/17/13 18:15	EPA 3050B	1,6010C	TT
Magnesium, Total	4000		mg/kg	9.6	0.96	2	07/16/13 14:49	07/17/13 18:15	EPA 3050B	1,6010C	TT
Manganese, Total	28000		mg/kg	0.96	0.19	2	07/16/13 14:49	07/17/13 18:15	EPA 3050B	1,6010C	TT
Mercury, Total	9.9		mg/kg	0.99	0.21	10	07/18/13 11:17	07/19/13 08:50	EPA 7471B	1,7471B	MC
Nickel, Total	190		mg/kg	2.4	0.39	2	07/16/13 14:49	07/17/13 18:15	EPA 3050B	1,6010C	TT
Potassium, Total	550		mg/kg	240	39.	2	07/16/13 14:49	07/17/13 18:15	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.9	0.29	2	07/16/13 14:49	07/17/13 18:15	EPA 3050B	1,6010C	TT
Silver, Total	7.7		mg/kg	0.96	0.19	2	07/16/13 14:49	07/17/13 18:15	EPA 3050B	1,6010C	TT
Sodium, Total	360		mg/kg	190	29.	2	07/16/13 14:49	07/17/13 18:15	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.39	2	07/16/13 14:49	07/17/13 18:15	EPA 3050B	1,6010C	TT
Vanadium, Total	25		mg/kg	0.96	0.10	2	07/16/13 14:49	07/17/13 18:15	EPA 3050B	1,6010C	TT
Zinc, Total	800		mg/kg	4.8	0.68	2	07/16/13 14:49	07/17/13 18:15	EPA 3050B	1,6010C	TT



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-29

Date Collected: 07/11/13 09:50

Client ID: FD005

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9500		mg/kg	8.6	1.7	2	07/16/13 14:49	07/17/13 18:19	EPA 3050B	1,6010C	TT
Antimony, Total	2.5	J	mg/kg	4.3	0.69	2	07/16/13 14:49	07/17/13 18:19	EPA 3050B	1,6010C	TT
Arsenic, Total	37		mg/kg	0.86	0.17	2	07/16/13 14:49	07/17/13 18:19	EPA 3050B	1,6010C	TT
Barium, Total	220		mg/kg	0.86	0.26	2	07/16/13 14:49	07/17/13 18:19	EPA 3050B	1,6010C	TT
Beryllium, Total	1.1		mg/kg	0.43	0.09	2	07/16/13 14:49	07/17/13 18:19	EPA 3050B	1,6010C	TT
Cadmium, Total	3.7		mg/kg	0.86	0.06	2	07/16/13 14:49	07/17/13 18:19	EPA 3050B	1,6010C	TT
Calcium, Total	34000		mg/kg	8.6	2.6	2	07/16/13 14:49	07/17/13 18:19	EPA 3050B	1,6010C	TT
Chromium, Total	64		mg/kg	0.86	0.17	2	07/16/13 14:49	07/17/13 18:19	EPA 3050B	1,6010C	TT
Cobalt, Total	20		mg/kg	1.7	0.43	2	07/16/13 14:49	07/17/13 18:19	EPA 3050B	1,6010C	TT
Copper, Total	220		mg/kg	0.86	0.17	2	07/16/13 14:49	07/17/13 18:19	EPA 3050B	1,6010C	TT
Iron, Total	81000		mg/kg	22	8.6	10	07/16/13 14:49	07/18/13 11:44	EPA 3050B	1,6010C	TT
Lead, Total	290		mg/kg	4.3	0.17	2	07/16/13 14:49	07/17/13 18:19	EPA 3050B	1,6010C	TT
Magnesium, Total	6400		mg/kg	8.6	0.86	2	07/16/13 14:49	07/17/13 18:19	EPA 3050B	1,6010C	TT
Manganese, Total	1800		mg/kg	0.86	0.17	2	07/16/13 14:49	07/17/13 18:19	EPA 3050B	1,6010C	TT
Mercury, Total	16		mg/kg	0.83	0.18	10	07/18/13 11:17	07/19/13 08:53	EPA 7471B	1,7471B	MC
Nickel, Total	37		mg/kg	2.2	0.34	2	07/16/13 14:49	07/17/13 18:19	EPA 3050B	1,6010C	TT
Potassium, Total	2500		mg/kg	220	34.	2	07/16/13 14:49	07/17/13 18:19	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.7	0.26	2	07/16/13 14:49	07/17/13 18:19	EPA 3050B	1,6010C	TT
Silver, Total	2.6		mg/kg	0.86	0.17	2	07/16/13 14:49	07/17/13 18:19	EPA 3050B	1,6010C	TT
Sodium, Total	520		mg/kg	170	26.	2	07/16/13 14:49	07/17/13 18:19	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	07/16/13 14:49	07/17/13 18:19	EPA 3050B	1,6010C	TT
Vanadium, Total	74		mg/kg	0.86	0.09	2	07/16/13 14:49	07/17/13 18:19	EPA 3050B	1,6010C	TT
Zinc, Total	340		mg/kg	4.3	0.60	2	07/16/13 14:49	07/17/13 18:19	EPA 3050B	1,6010C	TT



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-30

Date Collected: 07/11/13 09:20

Client ID: FD007

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	1200		mg/kg	9.2	1.8	2	07/16/13 14:49	07/17/13 18:23	EPA 3050B	1,6010C	TT
Antimony, Total	23		mg/kg	4.6	0.73	2	07/16/13 14:49	07/17/13 18:23	EPA 3050B	1,6010C	TT
Arsenic, Total	4.2		mg/kg	0.92	0.18	2	07/16/13 14:49	07/17/13 18:23	EPA 3050B	1,6010C	TT
Barium, Total	84		mg/kg	0.92	0.27	2	07/16/13 14:49	07/17/13 18:23	EPA 3050B	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.46	0.09	2	07/16/13 14:49	07/17/13 18:23	EPA 3050B	1,6010C	TT
Cadmium, Total	20		mg/kg	0.92	0.06	2	07/16/13 14:49	07/17/13 18:23	EPA 3050B	1,6010C	TT
Calcium, Total	4900		mg/kg	9.2	2.7	2	07/16/13 14:49	07/17/13 18:23	EPA 3050B	1,6010C	TT
Chromium, Total	54		mg/kg	0.92	0.18	2	07/16/13 14:49	07/17/13 18:23	EPA 3050B	1,6010C	TT
Cobalt, Total	3.4		mg/kg	1.8	0.46	2	07/16/13 14:49	07/17/13 18:23	EPA 3050B	1,6010C	TT
Copper, Total	180		mg/kg	0.92	0.18	2	07/16/13 14:49	07/17/13 18:23	EPA 3050B	1,6010C	TT
Iron, Total	29000		mg/kg	4.6	1.8	2	07/16/13 14:49	07/17/13 18:23	EPA 3050B	1,6010C	TT
Lead, Total	1500		mg/kg	4.6	0.18	2	07/16/13 14:49	07/17/13 18:23	EPA 3050B	1,6010C	TT
Magnesium, Total	900		mg/kg	9.2	0.92	2	07/16/13 14:49	07/17/13 18:23	EPA 3050B	1,6010C	TT
Manganese, Total	190		mg/kg	0.92	0.18	2	07/16/13 14:49	07/17/13 18:23	EPA 3050B	1,6010C	TT
Mercury, Total	1.7		mg/kg	0.09	0.02	1	07/18/13 11:17	07/18/13 15:30	EPA 7471B	1,7471B	MC
Nickel, Total	39		mg/kg	2.3	0.37	2	07/16/13 14:49	07/17/13 18:23	EPA 3050B	1,6010C	TT
Potassium, Total	200	J	mg/kg	230	37.	2	07/16/13 14:49	07/17/13 18:23	EPA 3050B	1,6010C	TT
Selenium, Total	3.4		mg/kg	1.8	0.27	2	07/16/13 14:49	07/17/13 18:23	EPA 3050B	1,6010C	TT
Silver, Total	3.0		mg/kg	0.92	0.18	2	07/16/13 14:49	07/17/13 18:23	EPA 3050B	1,6010C	TT
Sodium, Total	120	J	mg/kg	180	27.	2	07/16/13 14:49	07/17/13 18:23	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.37	2	07/16/13 14:49	07/17/13 18:23	EPA 3050B	1,6010C	TT
Vanadium, Total	8.1		mg/kg	0.92	0.09	2	07/16/13 14:49	07/17/13 18:23	EPA 3050B	1,6010C	TT
Zinc, Total	370		mg/kg	4.6	0.64	2	07/16/13 14:49	07/17/13 18:23	EPA 3050B	1,6010C	TT



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-31

Date Collected: 07/11/13 10:00

Client ID: FD009

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 54%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	20000		mg/kg	14	2.8	2	07/16/13 14:49	07/17/13 18:27	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	7.0	1.1	2	07/16/13 14:49	07/17/13 18:27	EPA 3050B	1,6010C	TT
Arsenic, Total	17		mg/kg	1.4	0.28	2	07/16/13 14:49	07/17/13 18:27	EPA 3050B	1,6010C	TT
Barium, Total	170		mg/kg	1.4	0.42	2	07/16/13 14:49	07/17/13 18:27	EPA 3050B	1,6010C	TT
Beryllium, Total	1.4		mg/kg	0.70	0.14	2	07/16/13 14:49	07/17/13 18:27	EPA 3050B	1,6010C	TT
Cadmium, Total	3.0		mg/kg	1.4	0.10	2	07/16/13 14:49	07/17/13 18:27	EPA 3050B	1,6010C	TT
Calcium, Total	18000		mg/kg	14	4.2	2	07/16/13 14:49	07/17/13 18:27	EPA 3050B	1,6010C	TT
Chromium, Total	67		mg/kg	1.4	0.28	2	07/16/13 14:49	07/17/13 18:27	EPA 3050B	1,6010C	TT
Cobalt, Total	10		mg/kg	2.8	0.70	2	07/16/13 14:49	07/17/13 18:27	EPA 3050B	1,6010C	TT
Copper, Total	88		mg/kg	1.4	0.28	2	07/16/13 14:49	07/17/13 18:27	EPA 3050B	1,6010C	TT
Iron, Total	54000		mg/kg	7.0	2.8	2	07/16/13 14:49	07/17/13 18:27	EPA 3050B	1,6010C	TT
Lead, Total	130		mg/kg	7.0	0.28	2	07/16/13 14:49	07/17/13 18:27	EPA 3050B	1,6010C	TT
Magnesium, Total	12000		mg/kg	14	1.4	2	07/16/13 14:49	07/17/13 18:27	EPA 3050B	1,6010C	TT
Manganese, Total	600		mg/kg	1.4	0.28	2	07/16/13 14:49	07/17/13 18:27	EPA 3050B	1,6010C	TT
Mercury, Total	0.94		mg/kg	0.14	0.03	1	07/18/13 11:17	07/18/13 15:32	EPA 7471B	1,7471B	MC
Nickel, Total	27		mg/kg	3.5	0.56	2	07/16/13 14:49	07/17/13 18:27	EPA 3050B	1,6010C	TT
Potassium, Total	5000		mg/kg	350	56.	2	07/16/13 14:49	07/17/13 18:27	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	2.8	0.42	2	07/16/13 14:49	07/17/13 18:27	EPA 3050B	1,6010C	TT
Silver, Total	0.39	J	mg/kg	1.4	0.28	2	07/16/13 14:49	07/17/13 18:27	EPA 3050B	1,6010C	TT
Sodium, Total	870		mg/kg	280	42.	2	07/16/13 14:49	07/17/13 18:27	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.8	0.56	2	07/16/13 14:49	07/17/13 18:27	EPA 3050B	1,6010C	TT
Vanadium, Total	47		mg/kg	1.4	0.14	2	07/16/13 14:49	07/17/13 18:27	EPA 3050B	1,6010C	TT
Zinc, Total	320		mg/kg	7.0	0.98	2	07/16/13 14:49	07/17/13 18:27	EPA 3050B	1,6010C	TT



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-32

Date Collected: 07/11/13 09:00

Client ID: FD015

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 66%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5500		mg/kg	12	2.3	2	07/16/13 14:49	07/17/13 17:32	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	5.8	0.92	2	07/16/13 14:49	07/17/13 17:32	EPA 3050B	1,6010C	TT
Arsenic, Total	26		mg/kg	1.2	0.23	2	07/16/13 14:49	07/17/13 17:32	EPA 3050B	1,6010C	TT
Barium, Total	140		mg/kg	1.2	0.35	2	07/16/13 14:49	07/17/13 17:32	EPA 3050B	1,6010C	TT
Beryllium, Total	0.26	J	mg/kg	0.58	0.12	2	07/16/13 14:49	07/17/13 17:32	EPA 3050B	1,6010C	TT
Cadmium, Total	19		mg/kg	1.2	0.08	2	07/16/13 14:49	07/17/13 17:32	EPA 3050B	1,6010C	TT
Calcium, Total	23000		mg/kg	12	3.5	2	07/16/13 14:49	07/17/13 17:32	EPA 3050B	1,6010C	TT
Chromium, Total	270		mg/kg	1.2	0.23	2	07/16/13 14:49	07/17/13 17:32	EPA 3050B	1,6010C	TT
Cobalt, Total	22		mg/kg	2.3	0.58	2	07/16/13 14:49	07/17/13 17:32	EPA 3050B	1,6010C	TT
Copper, Total	620		mg/kg	1.2	0.23	2	07/16/13 14:49	07/17/13 17:32	EPA 3050B	1,6010C	TT
Iron, Total	220000		mg/kg	29	12.	10	07/16/13 14:49	07/18/13 11:48	EPA 3050B	1,6010C	TT
Lead, Total	300		mg/kg	5.8	0.23	2	07/16/13 14:49	07/17/13 17:32	EPA 3050B	1,6010C	TT
Magnesium, Total	2900		mg/kg	12	1.2	2	07/16/13 14:49	07/17/13 17:32	EPA 3050B	1,6010C	TT
Manganese, Total	1400		mg/kg	1.2	0.23	2	07/16/13 14:49	07/17/13 17:32	EPA 3050B	1,6010C	TT
Mercury, Total	1.2		mg/kg	0.12	0.03	1	07/18/13 11:17	07/18/13 16:03	EPA 7471B	1,7471B	MC
Nickel, Total	230		mg/kg	2.9	0.46	2	07/16/13 14:49	07/17/13 17:32	EPA 3050B	1,6010C	TT
Potassium, Total	1900		mg/kg	290	46.	2	07/16/13 14:49	07/17/13 17:32	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	2.3	0.35	2	07/16/13 14:49	07/17/13 17:32	EPA 3050B	1,6010C	TT
Silver, Total	1.9		mg/kg	1.2	0.23	2	07/16/13 14:49	07/17/13 17:32	EPA 3050B	1,6010C	TT
Sodium, Total	530		mg/kg	230	35.	2	07/16/13 14:49	07/17/13 17:32	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.3	0.46	2	07/16/13 14:49	07/17/13 17:32	EPA 3050B	1,6010C	TT
Vanadium, Total	19		mg/kg	1.2	0.12	2	07/16/13 14:49	07/17/13 17:32	EPA 3050B	1,6010C	TT
Zinc, Total	620		mg/kg	5.8	0.81	2	07/16/13 14:49	07/17/13 17:32	EPA 3050B	1,6010C	TT



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-33

Date Collected: 07/11/13 00:00

Client ID: FD_DUP_001

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2500		mg/kg	9.5	1.9	2	07/16/13 14:49	07/17/13 18:30	EPA 3050B	1,6010C	TT
Antimony, Total	16		mg/kg	4.7	0.76	2	07/16/13 14:49	07/17/13 18:30	EPA 3050B	1,6010C	TT
Arsenic, Total	5.2		mg/kg	0.95	0.19	2	07/16/13 14:49	07/17/13 18:30	EPA 3050B	1,6010C	TT
Barium, Total	92		mg/kg	0.95	0.28	2	07/16/13 14:49	07/17/13 18:30	EPA 3050B	1,6010C	TT
Beryllium, Total	0.24	J	mg/kg	0.47	0.10	2	07/16/13 14:49	07/17/13 18:30	EPA 3050B	1,6010C	TT
Cadmium, Total	20		mg/kg	0.95	0.07	2	07/16/13 14:49	07/17/13 18:30	EPA 3050B	1,6010C	TT
Calcium, Total	11000		mg/kg	9.5	2.8	2	07/16/13 14:49	07/17/13 18:30	EPA 3050B	1,6010C	TT
Chromium, Total	120		mg/kg	0.95	0.19	2	07/16/13 14:49	07/17/13 18:30	EPA 3050B	1,6010C	TT
Cobalt, Total	4.5		mg/kg	1.9	0.47	2	07/16/13 14:49	07/17/13 18:30	EPA 3050B	1,6010C	TT
Copper, Total	190		mg/kg	0.95	0.19	2	07/16/13 14:49	07/17/13 18:30	EPA 3050B	1,6010C	TT
Iron, Total	33000		mg/kg	4.7	1.9	2	07/16/13 14:49	07/17/13 18:30	EPA 3050B	1,6010C	TT
Lead, Total	2000		mg/kg	4.7	0.19	2	07/16/13 14:49	07/17/13 18:30	EPA 3050B	1,6010C	TT
Magnesium, Total	2400		mg/kg	9.5	0.95	2	07/16/13 14:49	07/17/13 18:30	EPA 3050B	1,6010C	TT
Manganese, Total	300		mg/kg	0.95	0.19	2	07/16/13 14:49	07/17/13 18:30	EPA 3050B	1,6010C	TT
Mercury, Total	3.9		mg/kg	0.18	0.04	2	07/18/13 11:17	07/19/13 08:55	EPA 7471B	1,7471B	MC
Nickel, Total	44		mg/kg	2.4	0.38	2	07/16/13 14:49	07/17/13 18:30	EPA 3050B	1,6010C	TT
Potassium, Total	410		mg/kg	240	38.	2	07/16/13 14:49	07/17/13 18:30	EPA 3050B	1,6010C	TT
Selenium, Total	3.5		mg/kg	1.9	0.28	2	07/16/13 14:49	07/17/13 18:30	EPA 3050B	1,6010C	TT
Silver, Total	3.0		mg/kg	0.95	0.19	2	07/16/13 14:49	07/17/13 18:30	EPA 3050B	1,6010C	TT
Sodium, Total	260		mg/kg	190	28.	2	07/16/13 14:49	07/17/13 18:30	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.38	2	07/16/13 14:49	07/17/13 18:30	EPA 3050B	1,6010C	TT
Vanadium, Total	9.5		mg/kg	0.95	0.10	2	07/16/13 14:49	07/17/13 18:30	EPA 3050B	1,6010C	TT
Zinc, Total	340		mg/kg	4.7	0.66	2	07/16/13 14:49	07/17/13 18:30	EPA 3050B	1,6010C	TT



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-34

Date Collected: 07/11/13 10:45

Client ID: EQUIP_BLANK_FD_001

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.00216	J	mg/l	0.0100	0.00200	1	07/15/13 12:07	07/15/13 20:20	EPA 3005A	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	07/15/13 12:07	07/15/13 20:20	EPA 3005A	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	07/15/13 12:07	07/15/13 20:20	EPA 3005A	1,6020A	BM
Barium, Total	0.00022	J	mg/l	0.00050	0.00010	1	07/15/13 12:07	07/15/13 20:20	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/15/13 12:07	07/15/13 20:20	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	07/15/13 12:07	07/15/13 20:20	EPA 3005A	1,6020A	BM
Calcium, Total	0.0405	J	mg/l	0.100	0.0320	1	07/15/13 12:07	07/15/13 20:20	EPA 3005A	1,6020A	BM
Chromium, Total	0.00044	J	mg/l	0.00100	0.00020	1	07/15/13 12:07	07/15/13 20:20	EPA 3005A	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	07/15/13 12:07	07/15/13 20:20	EPA 3005A	1,6020A	BM
Copper, Total	0.00024	J	mg/l	0.00100	0.00010	1	07/15/13 12:07	07/15/13 20:20	EPA 3005A	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	07/15/13 12:07	07/15/13 20:20	EPA 3005A	1,6020A	BM
Lead, Total	0.00023	J	mg/l	0.00100	0.00020	1	07/15/13 12:07	07/15/13 20:20	EPA 3005A	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	07/15/13 12:07	07/15/13 20:20	EPA 3005A	1,6020A	BM
Manganese, Total	0.00054	J	mg/l	0.00100	0.00010	1	07/15/13 12:07	07/15/13 20:20	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	07/18/13 08:30	07/18/13 12:35	EPA 7470A	1,7470A	JH
Nickel, Total	0.00018	J	mg/l	0.00100	0.00010	1	07/15/13 12:07	07/15/13 20:20	EPA 3005A	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	07/15/13 12:07	07/15/13 20:20	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	07/15/13 12:07	07/15/13 20:20	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	07/15/13 12:07	07/15/13 20:20	EPA 3005A	1,6020A	BM
Sodium, Total	ND		mg/l	0.100	0.0150	1	07/15/13 12:07	07/15/13 20:20	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	07/15/13 12:07	07/15/13 20:20	EPA 3005A	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	07/15/13 12:07	07/15/13 20:20	EPA 3005A	1,6020A	BM
Zinc, Total	0.00171	J	mg/l	0.01000	0.00120	1	07/15/13 12:07	07/15/13 20:20	EPA 3005A	1,6020A	BM



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 20,22-25,34 Batch: WG621653-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	07/15/13 12:07	07/16/13 01:11	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	07/15/13 12:07	07/16/13 01:11	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	07/15/13 12:07	07/16/13 01:11	1,6020A	BM
Barium, Total	ND		mg/l	0.00050	0.00010	1	07/15/13 12:07	07/16/13 01:11	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/15/13 12:07	07/16/13 01:11	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	07/15/13 12:07	07/16/13 01:11	1,6020A	BM
Calcium, Total	ND		mg/l	0.100	0.0320	1	07/15/13 12:07	07/16/13 01:11	1,6020A	BM
Chromium, Total	0.00020	J	mg/l	0.00100	0.00020	1	07/15/13 12:07	07/16/13 01:11	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	07/15/13 12:07	07/16/13 01:11	1,6020A	BM
Copper, Total	ND		mg/l	0.00100	0.00010	1	07/15/13 12:07	07/16/13 01:11	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	07/15/13 12:07	07/16/13 01:11	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	07/15/13 12:07	07/16/13 01:11	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	07/15/13 12:07	07/16/13 01:11	1,6020A	BM
Manganese, Total	0.00018	J	mg/l	0.00100	0.00010	1	07/15/13 12:07	07/16/13 01:11	1,6020A	BM
Nickel, Total	ND		mg/l	0.00100	0.00010	1	07/15/13 12:07	07/16/13 01:11	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	07/15/13 12:07	07/16/13 01:11	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	07/15/13 12:07	07/16/13 01:11	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	07/15/13 12:07	07/16/13 01:11	1,6020A	BM
Sodium, Total	ND		mg/l	0.100	0.0150	1	07/15/13 12:07	07/16/13 01:11	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	07/15/13 12:07	07/16/13 01:11	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	07/15/13 12:07	07/16/13 01:11	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	07/15/13 12:07	07/16/13 01:11	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 21-24 Batch: WG621721-1										
Aluminum, Dissolved	0.00400	J	mg/l	0.0100	0.00200	1	07/13/13 08:26	07/15/13 22:42	1,6020A	BM
Antimony, Dissolved	0.00079	J	mg/l	0.00100	0.00010	1	07/13/13 08:26	07/15/13 22:42	1,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00020	1	07/13/13 08:26	07/15/13 22:42	1,6020A	BM
Barium, Dissolved	ND		mg/l	0.00050	0.00010	1	07/13/13 08:26	07/15/13 22:42	1,6020A	BM



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	07/13/13 08:26	07/15/13 22:42	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	07/13/13 08:26	07/15/13 22:42	1,6020A	BM
Calcium, Dissolved	0.0530	J	mg/l	0.100	0.0320	1	07/13/13 08:26	07/15/13 22:42	1,6020A	BM
Chromium, Dissolved	0.00026	J	mg/l	0.00100	0.00020	1	07/13/13 08:26	07/15/13 22:42	1,6020A	BM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00010	1	07/13/13 08:26	07/15/13 22:42	1,6020A	BM
Copper, Dissolved	0.00011	J	mg/l	0.00100	0.00010	1	07/13/13 08:26	07/15/13 22:42	1,6020A	BM
Iron, Dissolved	ND		mg/l	0.0500	0.0130	1	07/13/13 08:26	07/15/13 22:42	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	07/13/13 08:26	07/15/13 22:42	1,6020A	BM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0230	1	07/13/13 08:26	07/15/13 22:42	1,6020A	BM
Manganese, Dissolved	0.00066	J	mg/l	0.00100	0.00010	1	07/13/13 08:26	07/15/13 22:42	1,6020A	BM
Nickel, Dissolved	0.00060	J	mg/l	0.00100	0.00010	1	07/13/13 08:26	07/15/13 22:42	1,6020A	BM
Potassium, Dissolved	ND		mg/l	0.100	0.0270	1	07/13/13 08:26	07/15/13 22:42	1,6020A	BM
Selenium, Dissolved	ND		mg/l	0.00500	0.00030	1	07/13/13 08:26	07/15/13 22:42	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	07/13/13 08:26	07/15/13 22:42	1,6020A	BM
Sodium, Dissolved	0.433		mg/l	0.100	0.0150	1	07/13/13 08:26	07/15/13 22:42	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	07/13/13 08:26	07/15/13 22:42	1,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	07/13/13 08:26	07/15/13 22:42	1,6020A	BM
Zinc, Dissolved	ND		mg/l	0.01000	0.00120	1	07/13/13 08:26	07/15/13 22:42	1,6020A	BM

Prep Information

Digestion Method: NA

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-19 Batch: WG621945-1										
Aluminum, Total	7.5		mg/kg	4.0	0.80	1	07/16/13 12:15	07/17/13 13:41	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	07/16/13 12:15	07/17/13 13:41	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	07/16/13 12:15	07/17/13 13:41	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	07/16/13 12:15	07/17/13 13:41	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	07/16/13 12:15	07/17/13 13:41	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	07/16/13 12:15	07/17/13 13:41	1,6010C	MG
Calcium, Total	17		mg/kg	4.0	1.2	1	07/16/13 12:15	07/17/13 13:41	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	07/16/13 12:15	07/17/13 13:41	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	07/16/13 12:15	07/17/13 13:41	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	07/16/13 12:15	07/17/13 13:41	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	07/16/13 12:15	07/17/13 13:41	1,6010C	MG



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Lead, Total	ND	mg/kg	2.0	0.08	1	07/16/13 12:15	07/17/13 13:41	1,6010C	MG
Magnesium, Total	ND	mg/kg	4.0	0.40	1	07/16/13 12:15	07/17/13 13:41	1,6010C	MG
Manganese, Total	ND	mg/kg	0.40	0.08	1	07/16/13 12:15	07/17/13 13:41	1,6010C	MG
Nickel, Total	ND	mg/kg	1.0	0.16	1	07/16/13 12:15	07/17/13 13:41	1,6010C	MG
Potassium, Total	ND	mg/kg	100	16.	1	07/16/13 12:15	07/17/13 13:41	1,6010C	MG
Selenium, Total	ND	mg/kg	0.80	0.12	1	07/16/13 12:15	07/17/13 13:41	1,6010C	MG
Silver, Total	ND	mg/kg	0.40	0.08	1	07/16/13 12:15	07/17/13 13:41	1,6010C	MG
Sodium, Total	ND	mg/kg	80	12.	1	07/16/13 12:15	07/17/13 13:41	1,6010C	MG
Thallium, Total	ND	mg/kg	0.80	0.16	1	07/16/13 12:15	07/17/13 13:41	1,6010C	MG
Vanadium, Total	ND	mg/kg	0.40	0.04	1	07/16/13 12:15	07/17/13 13:41	1,6010C	MG
Zinc, Total	ND	mg/kg	2.0	0.28	1	07/16/13 12:15	07/17/13 13:41	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 27-33 Batch: WG621975-1									
Aluminum, Total	ND	mg/kg	4.0	0.80	1	07/16/13 14:49	07/17/13 17:25	1,6010C	TT
Antimony, Total	ND	mg/kg	2.0	0.32	1	07/16/13 14:49	07/17/13 17:25	1,6010C	TT
Arsenic, Total	ND	mg/kg	0.40	0.08	1	07/16/13 14:49	07/17/13 17:25	1,6010C	TT
Barium, Total	ND	mg/kg	0.40	0.12	1	07/16/13 14:49	07/17/13 17:25	1,6010C	TT
Beryllium, Total	ND	mg/kg	0.20	0.04	1	07/16/13 14:49	07/17/13 17:25	1,6010C	TT
Cadmium, Total	ND	mg/kg	0.40	0.03	1	07/16/13 14:49	07/17/13 17:25	1,6010C	TT
Calcium, Total	ND	mg/kg	4.0	1.2	1	07/16/13 14:49	07/17/13 17:25	1,6010C	TT
Chromium, Total	ND	mg/kg	0.40	0.08	1	07/16/13 14:49	07/17/13 17:25	1,6010C	TT
Cobalt, Total	ND	mg/kg	0.80	0.20	1	07/16/13 14:49	07/17/13 17:25	1,6010C	TT
Copper, Total	ND	mg/kg	0.40	0.08	1	07/16/13 14:49	07/17/13 17:25	1,6010C	TT
Iron, Total	ND	mg/kg	2.0	0.80	1	07/16/13 14:49	07/17/13 17:25	1,6010C	TT
Lead, Total	ND	mg/kg	2.0	0.08	1	07/16/13 14:49	07/17/13 17:25	1,6010C	TT
Magnesium, Total	ND	mg/kg	4.0	0.40	1	07/16/13 14:49	07/17/13 17:25	1,6010C	TT
Manganese, Total	ND	mg/kg	0.40	0.08	1	07/16/13 14:49	07/17/13 17:25	1,6010C	TT
Nickel, Total	ND	mg/kg	1.0	0.16	1	07/16/13 14:49	07/17/13 17:25	1,6010C	TT
Potassium, Total	ND	mg/kg	100	16.	1	07/16/13 14:49	07/17/13 17:25	1,6010C	TT
Selenium, Total	ND	mg/kg	0.80	0.12	1	07/16/13 14:49	07/17/13 17:25	1,6010C	TT
Silver, Total	ND	mg/kg	0.40	0.08	1	07/16/13 14:49	07/17/13 17:25	1,6010C	TT



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Sodium, Total	ND	mg/kg	80	12.	1	07/16/13 14:49	07/17/13 17:25	1,6010C	TT
Thallium, Total	ND	mg/kg	0.80	0.16	1	07/16/13 14:49	07/17/13 17:25	1,6010C	TT
Vanadium, Total	ND	mg/kg	0.40	0.04	1	07/16/13 14:49	07/17/13 17:25	1,6010C	TT
Zinc, Total	ND	mg/kg	2.0	0.28	1	07/16/13 14:49	07/17/13 17:25	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02-16 Batch: WG622150-1									
Mercury, Total	ND	mg/kg	0.08	0.02	1	07/17/13 11:00	07/17/13 12:52	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG622152-1									
Mercury, Total	ND	mg/kg	0.08	0.02	1	07/17/13 11:00	07/17/13 15:52	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 17-19,27-31,33 Batch: WG622275-5									
Mercury, Total	ND	mg/kg	0.08	0.02	1	07/18/13 11:17	07/18/13 15:05	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 20-25,34 Batch: WG622479-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	07/18/13 08:30	07/18/13 12:12	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 32 Batch: WG622513-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	07/18/13 11:17	07/18/13 15:59	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 21-24 Batch: WG622586-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	07/18/13 08:30	07/18/13 11:53	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 21 Batch: WG624316-1										
Aluminum, Total	0.00209	J	mg/l	0.0100	0.00200	1	07/25/13 10:27	07/25/13 16:20	1,6020A	BM
Antimony, Total	0.00011	J	mg/l	0.00100	0.00010	1	07/25/13 10:27	07/25/13 16:20	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	07/25/13 10:27	07/25/13 16:20	1,6020A	BM
Barium, Total	ND		mg/l	0.00050	0.00010	1	07/25/13 10:27	07/25/13 16:20	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/25/13 10:27	07/25/13 16:20	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	07/25/13 10:27	07/25/13 16:20	1,6020A	BM



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Method Blank Analysis Batch Quality Control

Calcium, Total	ND		mg/l	0.100	0.0320	1	07/25/13 10:27	07/25/13 16:20	1,6020A	BM
Chromium, Total	0.00025	J	mg/l	0.00100	0.00020	1	07/25/13 10:27	07/25/13 16:20	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	07/25/13 10:27	07/25/13 16:20	1,6020A	BM
Copper, Total	ND		mg/l	0.00100	0.00010	1	07/25/13 10:27	07/25/13 16:20	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	07/25/13 10:27	07/25/13 16:20	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	07/25/13 10:27	07/25/13 16:20	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	07/25/13 10:27	07/25/13 16:20	1,6020A	BM
Manganese, Total	ND		mg/l	0.00100	0.00010	1	07/25/13 10:27	07/25/13 16:20	1,6020A	BM
Nickel, Total	ND		mg/l	0.00100	0.00010	1	07/25/13 10:27	07/25/13 16:20	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	07/25/13 10:27	07/25/13 16:20	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	07/25/13 10:27	07/25/13 16:20	1,6020A	BM
Silver, Total	0.00010	J	mg/l	0.00040	0.00010	1	07/25/13 10:27	07/25/13 16:20	1,6020A	BM
Sodium, Total	0.0221	J	mg/l	0.100	0.0150	1	07/25/13 10:27	07/25/13 16:20	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	07/25/13 10:27	07/25/13 16:20	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	07/25/13 10:27	07/25/13 16:20	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	07/25/13 10:27	07/25/13 16:20	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 20,22-25,34 Batch: WG621653-2								
Aluminum, Total	102		-		80-120	-		
Antimony, Total	84		-		80-120	-		
Arsenic, Total	103		-		80-120	-		
Barium, Total	93		-		80-120	-		
Beryllium, Total	105		-		80-120	-		
Cadmium, Total	93		-		80-120	-		
Calcium, Total	102		-		80-120	-		
Chromium, Total	97		-		80-120	-		
Cobalt, Total	95		-		80-120	-		
Copper, Total	103		-		80-120	-		
Iron, Total	94		-		80-120	-		
Lead, Total	99		-		80-120	-		
Magnesium, Total	102		-		80-120	-		
Manganese, Total	95		-		80-120	-		
Nickel, Total	100		-		80-120	-		
Potassium, Total	97		-		80-120	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	88		-		80-120	-		
Sodium, Total	98		-		80-120	-		
Thallium, Total	97		-		80-120	-		
Vanadium, Total	94		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control**Project Name:** BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 20,22-25,34 Batch: WG621653-2					
Zinc, Total	104	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 21-24 Batch: WG621721-2					
Aluminum, Dissolved	103	-	80-120	-	
Antimony, Dissolved	83	-	80-120	-	
Arsenic, Dissolved	103	-	80-120	-	
Barium, Dissolved	93	-	80-120	-	
Beryllium, Dissolved	102	-	80-120	-	
Cadmium, Dissolved	95	-	80-120	-	
Calcium, Dissolved	102	-	80-120	-	
Chromium, Dissolved	98	-	80-120	-	
Cobalt, Dissolved	96	-	80-120	-	
Copper, Dissolved	105	-	80-120	-	
Iron, Dissolved	104	-	80-120	-	
Lead, Dissolved	98	-	80-120	-	
Magnesium, Dissolved	101	-	80-120	-	
Manganese, Dissolved	97	-	80-120	-	
Nickel, Dissolved	102	-	80-120	-	
Potassium, Dissolved	99	-	80-120	-	
Selenium, Dissolved	102	-	80-120	-	
Silver, Dissolved	88	-	80-120	-	
Sodium, Dissolved	105	-	80-120	-	
Thallium, Dissolved	96	-	80-120	-	
Vanadium, Dissolved	95	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 21-24 Batch: WG621721-2					
Zinc, Dissolved	103	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-19 Batch: WG621945-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	88	-	29-171	-	
Antimony, Total	117	-	4-196	-	
Arsenic, Total	100	-	81-119	-	
Barium, Total	96	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	94	-	82-117	-	
Calcium, Total	90	-	83-117	-	
Chromium, Total	97	-	80-119	-	
Cobalt, Total	100	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	101	-	51-150	-	
Lead, Total	98	-	80-120	-	
Magnesium, Total	97	-	74-126	-	
Manganese, Total	92	-	83-117	-	
Nickel, Total	99	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	102	-	80-120	-	
Silver, Total	101	-	66-134	-	
Sodium, Total	98	-	74-127	-	
Thallium, Total	101	-	79-120	-	
Vanadium, Total	98	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-19 Batch: WG621945-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 27-33 Batch: WG621975-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	85	-	29-171	-	
Antimony, Total	117	-	4-196	-	
Arsenic, Total	109	-	81-119	-	
Barium, Total	100	-	83-118	-	
Beryllium, Total	104	-	83-117	-	
Cadmium, Total	94	-	82-117	-	
Calcium, Total	90	-	83-117	-	
Chromium, Total	97	-	80-119	-	
Cobalt, Total	99	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	101	-	51-150	-	
Lead, Total	93	-	80-120	-	
Magnesium, Total	83	-	74-126	-	
Manganese, Total	102	-	83-117	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	109	-	80-120	-	
Silver, Total	100	-	66-134	-	
Sodium, Total	106	-	74-127	-	
Thallium, Total	91	-	79-120	-	
Vanadium, Total	98	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 27-33 Batch: WG621975-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 02-16 Batch: WG622150-2 SRM Lot Number: 0518-10-02					
Mercury, Total	117	-	67-133	-	
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG622152-2 SRM Lot Number: 0518-10-02					
Mercury, Total	121	-	67-133	-	
Total Metals - Westborough Lab Associated sample(s): 17-19,27-31,33 Batch: WG622275-6 SRM Lot Number: 0518-10-02					
Mercury, Total	124	-	67-133	-	
Total Metals - Westborough Lab Associated sample(s): 20-25,34 Batch: WG622479-2					
Mercury, Total	111	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 32 Batch: WG622513-2 SRM Lot Number: 0518-10-02					
Mercury, Total	111	-	67-133	-	
Dissolved Metals - Westborough Lab Associated sample(s): 21-24 Batch: WG622586-2					
Mercury, Dissolved	111	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 21 Batch: WG624316-2					
Aluminum, Total	111	-	80-120	-	
Antimony, Total	98	-	80-120	-	
Arsenic, Total	102	-	80-120	-	
Barium, Total	102	-	80-120	-	
Beryllium, Total	106	-	80-120	-	
Cadmium, Total	106	-	80-120	-	
Calcium, Total	104	-	80-120	-	
Chromium, Total	104	-	80-120	-	
Cobalt, Total	108	-	80-120	-	
Copper, Total	107	-	80-120	-	
Iron, Total	108	-	80-120	-	
Lead, Total	100	-	80-120	-	
Magnesium, Total	112	-	80-120	-	
Manganese, Total	105	-	80-120	-	
Nickel, Total	105	-	80-120	-	
Potassium, Total	108	-	80-120	-	
Selenium, Total	98	-	80-120	-	
Silver, Total	102	-	80-120	-	
Sodium, Total	108	-	80-120	-	
Thallium, Total	96	-	80-120	-	
Vanadium, Total	101	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 21 Batch: WG624316-2					
Zinc, Total	106	-	80-120	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 20,22-25,34 QC Batch ID: WG621653-4 QC Sample: L1313122-01 Client ID: MS Sample												
Aluminum, Total	0.209	2	2.11	95		-	-		80-120	-		20
Antimony, Total	0.00409	0.5	0.4740	94		-	-		80-120	-		20
Arsenic, Total	0.00240	0.12	0.1308	107		-	-		80-120	-		20
Barium, Total	0.3662	2	1.906	77	Q	-	-		80-120	-		20
Beryllium, Total	ND	0.05	0.05436	109		-	-		80-120	-		20
Cadmium, Total	0.00284	0.051	0.04894	90		-	-		80-120	-		20
Calcium, Total	112.	10	19.3	0	Q	-	-		80-120	-		20
Chromium, Total	0.00254	0.2	0.1949	96		-	-		80-120	-		20
Cobalt, Total	0.00076J	0.5	0.4766	95		-	-		80-120	-		20
Copper, Total	0.00367	0.25	0.2690	106		-	-		80-120	-		20
Iron, Total	6.34	1	0.953J	0	Q	-	-		80-120	-		20
Lead, Total	0.01134	0.51	0.5174	99		-	-		80-120	-		20
Magnesium, Total	21.4	10	13.1	0	Q	-	-		80-120	-		20
Manganese, Total	2.066	0.5	0.5002	0	Q	-	-		80-120	-		20
Nickel, Total	0.00433	0.5	0.5030	100		-	-		80-120	-		20
Potassium, Total	22.5	10	13.9	0	Q	-	-		80-120	-		20
Selenium, Total	0.00161J	0.12	0.126	105		-	-		80-120	-		20
Silver, Total	ND	0.05	0.04496	90		-	-		80-120	-		20
Sodium, Total	382.	10	53.1	0	Q	-	-		80-120	-		20
Thallium, Total	ND	0.12	0.1163	97		-	-		80-120	-		20
Vanadium, Total	0.00701J	0.5	0.4748	95		-	-		80-120	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 20,22-25,34 QC Batch ID: WG621653-4 QC Sample: L1313122-01 Client ID: MS Sample									
Zinc, Total	0.02750	0.5	0.5442	103	-	-	80-120	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT
Project Number: RAB 1301

Lab Number: L1313126
Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 21-24 (GW) QC Batch ID: WG621721-4 WG621721-7 QC Sample: L1313126-21 Client ID: SB020									
Aluminum, Dissolved	0.0241	2	2.07	102	2.10	104	80-120	1	20
Antimony, Dissolved	0.01508	0.5	0.4620	89	0.4490	87	80-120	3	20
Arsenic, Dissolved	0.00546	0.12	0.1276	102	0.1329	106	80-120	4	20
Barium, Dissolved	0.08380	2	2.030	97	2.004	96	80-120	1	20
Beryllium, Dissolved	ND	0.05	0.05200	104	0.04750	95	80-120	9	20
Cadmium, Dissolved	0.00026	0.051	0.05110	100	0.05076	99	80-120	1	20
Calcium, Dissolved	225.	10	227	20	Q 226	10	Q 80-120	0	20
Chromium, Dissolved	0.00279	0.2	0.1926	95	0.1896	93	80-120	2	20
Cobalt, Dissolved	0.01325	0.5	0.4858	94	0.4738	92	80-120	3	20
Copper, Dissolved	0.00589	0.25	0.2604	102	0.2328	91	80-120	11	20
Iron, Dissolved	1.34	1	2.30	96	2.28	94	80-120	1	20
Lead, Dissolved	0.00332	0.51	0.5094	99	0.5042	98	80-120	1	20
Magnesium, Dissolved	18.2	10	28.7	105	28.9	107	80-120	1	20
Manganese, Dissolved	2.340	0.5	2.746	81	2.790	90	80-120	2	20
Nickel, Dissolved	0.01056	0.5	0.5064	99	0.4682	92	80-120	8	20
Potassium, Dissolved	13.1	10	23.0	99	23.8	107	80-120	3	20
Selenium, Dissolved	0.00905	0.12	0.122	94	0.123	95	80-120	1	20
Silver, Dissolved	ND	0.05	0.04624	92	0.04534	91	80-120	2	20
Sodium, Dissolved	50.7	10	58.6	79	Q 60.1	94	80-120	3	20
Thallium, Dissolved	0.00003J	0.12	0.1178	98	0.1130	94	80-120	4	20
Vanadium, Dissolved	0.00163J	0.5	0.4716	94	0.4858	97	80-120	3	20

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 21-24 QC Batch ID: WG621721-4 WG621721-7 QC Sample: L1313126-21 Client ID: SB020 (GW)									
Zinc, Dissolved	0.6912	0.5	1.173	96	1.158	93	80-120	1	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-19 QC Batch ID: WG621945-3 WG621945-4 QC Sample: L1313126-01 Client ID: SB017 (0-2')											
Aluminum, Total	6300	165	6800	303	Q	6400	61	Q	75-125	6	35
Antimony, Total	1.0J	41.2	43	104		44	107		75-125	2	35
Arsenic, Total	6.4	9.89	17	107		17	108		75-125	0	35
Barium, Total	150	165	340	115		310	97		75-125	9	35
Beryllium, Total	0.26J	4.12	4.3	104		4.3	105		75-125	0	35
Cadmium, Total	0.66J	4.2	4.7	112		4.8	115		75-125	2	35
Calcium, Total	40000	824	45000	606	Q	42000	244	Q	75-125	7	35
Chromium, Total	17.	16.5	36	115		43	158	Q	75-125	18	35
Cobalt, Total	4.0	41.2	45	99		46	102		75-125	2	35
Copper, Total	51.	20.6	78	131	Q	77	127	Q	75-125	1	35
Iron, Total	12000	82.4	12000	0	Q	14000	2440	Q	75-125	15	35
Lead, Total	340	42	450	262	Q	450	263	Q	75-125	0	35
Magnesium, Total	3600	824	4200	73	Q	4400	97		75-125	5	35
Manganese, Total	250	41.2	240	0	Q	220	0	Q	75-125	9	35
Nickel, Total	14.	41.2	52	92		53	95		75-125	2	35
Potassium, Total	1000	824	1900	109		1800	97		75-125	5	35
Selenium, Total	0.49J	9.89	11	111		11	112		75-125	0	35
Silver, Total	ND	24.7	27	109		28	114		75-125	4	35
Sodium, Total	450	824	1300	103		1300	104		75-125	0	35
Thallium, Total	ND	9.89	9.4	95		9.5	96		75-125	1	35
Vanadium, Total	14.	41.2	57	104		61	114		75-125	7	35

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits		
Total Metals - Westborough Lab Associated sample(s): 01-19 QC Batch ID: WG621945-3 WG621945-4 QC Sample: L1313126-01 Client ID: SB017 (0-2')											
Zinc, Total	200	41.2	230	73	Q	230	73	Q	75-125	0	35

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT
Project Number: RAB 1301

Lab Number: L1313126
Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 27-33 QC Batch ID: WG621975-3 WG621975-4 QC Sample: L1313126-32 Client ID: FD015											
Aluminum, Total	5500	235	7100	680	Q	7000	648	Q	75-125	1	35
Antimony, Total	ND	58.8	100	170	Q	60	104		75-125	50	Q 35
Arsenic, Total	26.	14.1	26	0	Q	23	0	Q	75-125	12	35
Barium, Total	140	235	420	119		420	121		75-125	0	35
Beryllium, Total	0.26J	5.88	6.4	109		6.2	107		75-125	3	35
Cadmium, Total	19.	6	24	83		23	68	Q	75-125	4	35
Calcium, Total	23000	1180	37000	1190	Q	30000	605	Q	75-125	21	35
Chromium, Total	270	23.5	160	0	Q	160	0	Q	75-125	0	35
Cobalt, Total	22.	58.8	69	80		63	71	Q	75-125	9	35
Copper, Total	620	29.4	490	0	Q	380	0	Q	75-125	25	35
Iron, Total	160000	118	130000	0	Q	82000	0	Q	75-125	45	Q 35
Lead, Total	300	60	340	67	Q	360	102		75-125	6	35
Magnesium, Total	2900	1180	4700	153	Q	5200	199	Q	75-125	10	35
Manganese, Total	1400	58.8	1200	0	Q	1200	0	Q	75-125	0	35
Nickel, Total	230	58.8	210	0	Q	150	0	Q	75-125	33	35
Potassium, Total	1900	1180	3500	136	Q	3200	112		75-125	9	35
Selenium, Total	ND	14.1	14	99		15	108		75-125	7	35
Silver, Total	1.9	35.3	40	108		39	107		75-125	3	35
Sodium, Total	530	1180	2000	125		1900	118		75-125	5	35
Thallium, Total	ND	14.1	9.9	70	Q	9.8	71	Q	75-125	1	35
Vanadium, Total	19.	58.8	82	107		87	118		75-125	6	35

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 27-33 QC Batch ID: WG621975-3 WG621975-4 QC Sample: L1313126-32 Client ID: FD015									
Zinc, Total	620	58.8	770	255	Q	820	346	Q	75-125 6 35
Total Metals - Westborough Lab Associated sample(s): 02-16 QC Batch ID: WG622150-4 QC Sample: L1312866-08 Client ID: MS Sample									
Mercury, Total	0.12	0.202	0.37	124	-	-	70-130	-	35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG622152-3 WG622152-4 QC Sample: L1313126-01 Client ID: SB017 (0-2')									
Mercury, Total	1.4	0.15	1.2	0	Q	1.5	66	Q	70-130 22 35
Total Metals - Westborough Lab Associated sample(s): 17-19,27-31,33 QC Batch ID: WG622275-8 QC Sample: L1313126-17 Client ID: SB022 (6-8')									
Mercury, Total	3.1	0.187	2.3	0	Q	-	70-130	-	35
Total Metals - Westborough Lab Associated sample(s): 20-25,34 (GW) QC Batch ID: WG622479-3 WG622479-4 QC Sample: L1313126-21 Client ID: SB020									
Mercury, Total	0.00209	0.005	0.00818	122	0.00825	123	70-130	1	20
Total Metals - Westborough Lab Associated sample(s): 32 QC Batch ID: WG622513-3 WG622513-4 QC Sample: L1313126-32 Client ID: FD015									
Mercury, Total	1.2	0.238	2.4	505	Q	1.8	263	Q	70-130 29 35
Dissolved Metals - Westborough Lab Associated sample(s): 21-24 (GW) QC Batch ID: WG622586-3 WG622586-4 QC Sample: L1313126-21 Client ID: SB020									
Mercury, Dissolved	0.00007J	0.005	0.00613	123	0.00607	122	70-130	1	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 21 QC Batch ID: WG624316-3 WG624316-4 QC Sample: L1313126-21 Client ID: SB020 (GW)											
Aluminum, Total	2.44	2	5.00	128	Q	4.88	122	Q	80-120	2	20
Antimony, Total	0.01626	0.5	0.4744	92		0.4772	92		80-120	1	20
Arsenic, Total	0.01624	0.12	0.1394	103		0.1388	102		80-120	0	20
Barium, Total	0.1269	2	2.106	99		2.128	100		80-120	1	20
Beryllium, Total	0.00012J	0.05	0.04980	100		0.05010	100		80-120	1	20
Cadmium, Total	0.00037	0.051	0.05338	104		0.05336	104		80-120	0	20
Calcium, Total	221.	10	240	190	Q	238	170	Q	80-120	1	20
Chromium, Total	0.00701	0.2	0.2066	100		0.2054	99		80-120	1	20
Cobalt, Total	0.01597	0.5	0.5312	103		0.5314	103		80-120	0	20
Copper, Total	0.03638	0.25	0.2966	104		0.2962	104		80-120	0	20
Iron, Total	6.26	1	7.66	140	Q	7.70	144	Q	80-120	1	20
Lead, Total	0.2408	0.51	0.7412	98		0.7424	98		80-120	0	20
Magnesium, Total	17.3	10	31.5	142	Q	31.4	141	Q	80-120	0	20
Manganese, Total	2.390	0.5	3.000	122	Q	3.000	122	Q	80-120	0	20
Nickel, Total	0.01510	0.5	0.5110	99		0.5176	100		80-120	1	20
Potassium, Total	13.4	10	25.0	116		24.8	114		80-120	1	20
Selenium, Total	0.00864	0.12	0.128	99		0.122	94		80-120	5	20
Silver, Total	0.00043	0.05	0.04992	99		0.04984	99		80-120	0	20
Sodium, Total	49.5	10	62.7	132	Q	62.3	128	Q	80-120	1	20
Thallium, Total	0.00007J	0.12	0.1125	94		0.1119	93		80-120	1	20
Vanadium, Total	0.00769	0.5	0.4978	98		0.4934	97		80-120	1	20

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 21 QC Batch ID: WG624316-3 WG624316-4 QC Sample: L1313126-21 Client ID: SB020 (GW)									
Zinc, Total	0.9458	0.5	1.484	108	1.469	105	80-120	1	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 20,22-25,34 QC Batch ID: WG621653-3 QC Sample: L1313122-01 Client ID: DUP Sample						
Calcium, Total	112.	117.	mg/l	4		20
Manganese, Total	2.066	2.168	mg/l	5		20
Sodium, Total	382.	393.	mg/l	3		20

Lab Duplicate Analysis Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 20,22-25,34 QC Batch ID: WG621653-3 QC Sample: L1313122-01 Client ID: DUP Sample					
Aluminum, Total	0.209	0.201	mg/l	4	20
Antimony, Total	0.00409	0.00350	mg/l	16	20
Arsenic, Total	0.00240	0.00229	mg/l	5	20
Barium, Total	0.3662	0.3368	mg/l	8	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	0.00284	0.00258	mg/l	10	20
Chromium, Total	0.00254	0.00236	mg/l	7	20
Cobalt, Total	0.00076J	0.00072J	mg/l	NC	20
Copper, Total	0.00367	0.00303	mg/l	19	20
Iron, Total	6.34	5.88	mg/l	8	20
Lead, Total	0.01134	0.01053	mg/l	7	20
Magnesium, Total	21.4	20.1	mg/l	6	20
Nickel, Total	0.00433	0.00414	mg/l	4	20
Potassium, Total	22.5	21.4	mg/l	5	20
Selenium, Total	0.00161J	0.00130J	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	0.00701J	0.00657J	mg/l	NC	20
Zinc, Total	0.02750	0.02528	mg/l	8	20

Lab Duplicate Analysis Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-16 QC Batch ID: WG622150-3 QC Sample: L1312866-08 Client ID: DUP Sample					
Mercury, Total	0.12	0.12	mg/kg	0	35
Total Metals - Westborough Lab Associated sample(s): 17-19,27-31,33 QC Batch ID: WG622275-7 QC Sample: L1313126-17 Client ID: SB022 (6-8')					
Mercury, Total	3.1	3.0	mg/kg	3	35

INORGANICS & MISCELLANEOUS

Project Name: BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13**SAMPLE RESULTS****Lab ID:** L1313126-01**Client ID:** SB017 (0-2')**Sample Location:** 74 WALLABOUT ST. BROOKLYN, NY**Matrix:** Soil**Date Collected:** 07/11/13 11:15**Date Received:** 07/12/13**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	93.9		%	0.100	NA	1	-	07/15/13 21:23	30,2540G	RT



Project Name: BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13**SAMPLE RESULTS****Lab ID:** L1313126-02**Client ID:** SB017 (6-8')**Sample Location:** 74 WALLABOUT ST. BROOKLYN, NY**Matrix:** Soil**Date Collected:** 07/11/13 11:20**Date Received:** 07/12/13**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	90.9		%	0.100	NA	1	-	07/15/13 21:23	30,2540G	RT



Project Name: BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13**SAMPLE RESULTS****Lab ID:** L1313126-03**Client ID:** SB017 (10-12')**Sample Location:** 74 WALLABOUT ST. BROOKLYN, NY**Matrix:** Soil**Date Collected:** 07/11/13 11:25**Date Received:** 07/12/13**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	81.0		%	0.100	NA	1	-	07/15/13 21:23	30,2540G	RT



Project Name: BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13**SAMPLE RESULTS****Lab ID:** L1313126-04**Client ID:** SB018 (0-2')**Sample Location:** 74 WALLABOUT ST. BROOKLYN, NY**Matrix:** Soil**Date Collected:** 07/11/13 13:10**Date Received:** 07/12/13**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	88.3		%	0.100	NA	1	-	07/15/13 21:23	30,2540G	RT



Project Name: BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13**SAMPLE RESULTS****Lab ID:** L1313126-05**Client ID:** SB018 (6-8')**Sample Location:** 74 WALLABOUT ST. BROOKLYN, NY**Matrix:** Soil**Date Collected:** 07/11/13 13:15**Date Received:** 07/12/13**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	84.7		%	0.100	NA	1	-	07/15/13 12:31	30,2540G	MO



Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-06

Client ID: SB018 (10-12')

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Matrix: Soil

Date Collected: 07/11/13 13:20

Date Received: 07/12/13

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	85.6		%	0.100	NA	1	-	07/15/13 12:31	30,2540G	MO



Project Name: BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13**SAMPLE RESULTS****Lab ID:** L1313126-07**Client ID:** SB019 (0-2')**Sample Location:** 74 WALLABOUT ST. BROOKLYN, NY**Matrix:** Soil**Date Collected:** 07/11/13 15:20**Date Received:** 07/12/13**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	86.3		%	0.100	NA	1	-	07/15/13 12:31	30,2540G	MO



Project Name: BCP PROJECT

Lab Number: L1313126

Project Number: RAB 1301

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-08

Date Collected: 07/11/13 15:25

Client ID: SB019 (6-8')

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.3		%	0.100	NA	1	-	07/15/13 12:31	30,2540G	MO



Project Name: BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13**SAMPLE RESULTS****Lab ID:** L1313126-09**Client ID:** SB019 (10-12')**Sample Location:** 74 WALLABOUT ST. BROOKLYN, NY**Matrix:** Soil**Date Collected:** 07/11/13 15:30**Date Received:** 07/12/13**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	86.1		%	0.100	NA	1	-	07/15/13 12:31	30,2540G	MO



Project Name: BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13**SAMPLE RESULTS****Lab ID:** L1313126-10**Client ID:** SB020 (0-2')**Sample Location:** 74 WALLABOUT ST. BROOKLYN, NY**Matrix:** Soil**Date Collected:** 07/11/13 11:45**Date Received:** 07/12/13**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	90.4		%	0.100	NA	1	-	07/15/13 21:23	30,2540G	RT



Project Name: BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13**SAMPLE RESULTS****Lab ID:** L1313126-11**Client ID:** SB020 (6-8')**Sample Location:** 74 WALLABOUT ST. BROOKLYN, NY**Matrix:** Soil**Date Collected:** 07/11/13 12:00**Date Received:** 07/12/13**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	93.9		%	0.100	NA	1	-	07/15/13 12:31	30,2540G	MO



Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

SAMPLE RESULTS

Lab ID: L1313126-12

Client ID: SB020 (10-12')

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Matrix: Soil

Date Collected: 07/11/13 12:15

Date Received: 07/12/13

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	81.2		%	0.100	NA	1	-	07/15/13 12:31	30,2540G	MO



Project Name: BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13**SAMPLE RESULTS****Lab ID:** L1313126-13**Client ID:** SB021 (0-2')**Sample Location:** 74 WALLABOUT ST. BROOKLYN, NY**Matrix:** Soil**Date Collected:** 07/11/13 12:40**Date Received:** 07/12/13**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	-	07/15/13 12:31	30,2540G	MO



Project Name: BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13**SAMPLE RESULTS****Lab ID:** L1313126-14**Client ID:** SB021 (6-8')**Sample Location:** 74 WALLABOUT ST. BROOKLYN, NY**Matrix:** Soil**Date Collected:** 07/11/13 12:45**Date Received:** 07/12/13**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	59.6		%	0.100	NA	1	-	07/15/13 12:31	30,2540G	MO



Project Name: BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13**SAMPLE RESULTS****Lab ID:** L1313126-15**Client ID:** SB021 (10-12')**Sample Location:** 74 WALLABOUT ST. BROOKLYN, NY**Matrix:** Soil**Date Collected:** 07/11/13 12:50**Date Received:** 07/12/13**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	85.6		%	0.100	NA	1	-	07/15/13 12:31	30,2540G	MO



Project Name: BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13**SAMPLE RESULTS****Lab ID:** L1313126-16**Client ID:** SB022 (0-2')**Sample Location:** 74 WALLABOUT ST. BROOKLYN, NY**Matrix:** Soil**Date Collected:** 07/11/13 13:55**Date Received:** 07/12/13**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	91.6		%	0.100	NA	1	-	07/15/13 12:31	30,2540G	MO



Project Name: BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13**SAMPLE RESULTS****Lab ID:** L1313126-17**Client ID:** SB022 (6-8')**Sample Location:** 74 WALLABOUT ST. BROOKLYN, NY**Matrix:** Soil**Date Collected:** 07/11/13 14:00**Date Received:** 07/12/13**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	87.8		%	0.100	NA	1	-	07/15/13 12:31	30,2540G	MO



Project Name: BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13**SAMPLE RESULTS****Lab ID:** L1313126-18**Client ID:** SB022 (10-12')**Sample Location:** 74 WALLABOUT ST. BROOKLYN, NY**Matrix:** Soil**Date Collected:** 07/11/13 14:05**Date Received:** 07/12/13**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	77.5		%	0.100	NA	1	-	07/15/13 12:31	30,2540G	MO



Project Name: BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13**SAMPLE RESULTS**

Lab ID: L1313126-19
Client ID: SOIL_DUP_001
Sample Location: 74 WALLABOUT ST. BROOKLYN, NY
Matrix: Soil

Date Collected: 07/11/13 00:00
Date Received: 07/12/13
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	86.8		%	0.100	NA	1	-	07/15/13 12:31	30,2540G	MO



Project Name: BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13**SAMPLE RESULTS****Lab ID:** L1313126-27**Client ID:** SB023 (6-8')**Sample Location:** 74 WALLABOUT ST. BROOKLYN, NY**Matrix:** Soil**Date Collected:** 07/11/13 08:50**Date Received:** 07/12/13**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	81.2		%	0.100	NA	1	-	07/15/13 12:31	30,2540G	MO



Project Name: BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13**SAMPLE RESULTS****Lab ID:** L1313126-28**Client ID:** FD002**Sample Location:** 74 WALLABOUT ST. BROOKLYN, NY**Matrix:** Soil**Date Collected:** 07/11/13 09:40**Date Received:** 07/12/13**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	80.3		%	0.100	NA	1	-	07/15/13 12:31	30,2540G	MO



Project Name: BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13**SAMPLE RESULTS****Lab ID:** L1313126-29**Client ID:** FD005**Sample Location:** 74 WALLABOUT ST. BROOKLYN, NY**Matrix:** Soil**Date Collected:** 07/11/13 09:50**Date Received:** 07/12/13**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	87.1		%	0.100	NA	1	-	07/15/13 12:31	30,2540G	MO



Project Name: BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13**SAMPLE RESULTS****Lab ID:** L1313126-30**Client ID:** FD007**Sample Location:** 74 WALLABOUT ST. BROOKLYN, NY**Matrix:** Soil**Date Collected:** 07/11/13 09:20**Date Received:** 07/12/13**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	84.4		%	0.100	NA	1	-	07/15/13 12:31	30,2540G	MO



Project Name: BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13**SAMPLE RESULTS****Lab ID:** L1313126-31**Client ID:** FD009**Sample Location:** 74 WALLABOUT ST. BROOKLYN, NY**Matrix:** Soil**Date Collected:** 07/11/13 10:00**Date Received:** 07/12/13**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	53.5		%	0.100	NA	1	-	07/15/13 12:31	30,2540G	MO



Project Name: BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13**SAMPLE RESULTS****Lab ID:** L1313126-32**Client ID:** FD015**Sample Location:** 74 WALLABOUT ST. BROOKLYN, NY**Matrix:** Soil**Date Collected:** 07/11/13 09:00**Date Received:** 07/12/13**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	65.5		%	0.100	NA	1	-	07/15/13 12:31	30,2540G	MO



Project Name: BCP PROJECT**Project Number:** RAB 1301**Lab Number:** L1313126**Report Date:** 07/26/13**SAMPLE RESULTS****Lab ID:** L1313126-33**Client ID:** FD_DUP_001**Sample Location:** 74 WALLABOUT ST. BROOKLYN, NY**Matrix:** Soil**Date Collected:** 07/11/13 00:00**Date Received:** 07/12/13**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	81.5		%	0.100	NA	1	-	07/15/13 13:08	30,2540G	MO



Project Name: BCP PROJECT
Project Number: RAB 1301

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1313126
Report Date: 07/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 05-09,11-19,27-32 QC Batch ID: WG621671-1 QC Sample: L1313126-05 Client ID: SB018 (6-8')						
Solids, Total	84.7	84.2	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 33 QC Batch ID: WG621689-1 QC Sample: L1313130-01 Client ID: DUP Sample						
Solids, Total	89.7	88.4	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-04,10 QC Batch ID: WG621780-1 QC Sample: L1313125-12 Client ID: DUP Sample						
Solids, Total	72.6	78.0	%	7		20

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

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
D	Absent
B	Absent
C	Absent
E	Absent
H	Absent
F	Absent
G	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1313126-01A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1313126-01A1	Vial MeOH preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1313126-01A2	Vial MeOH preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1313126-01B	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1313126-01B1	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1313126-01B2	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1313126-01C	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1313126-01C1	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1313126-01C2	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1313126-01D	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days



Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1313126-01D1	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),TS(7),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-01D2	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),TS(7),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-01E	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-01E1	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),TS(7),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)

*Values in parentheses indicate holding time in days



Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1313126-01E2	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),TS(7),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-01F	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1313126-01F1	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1313126-01F2	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1313126-02A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1313126-02B	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1313126-02C	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1313126-02D	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-02E	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-02F	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1313126-03A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1313126-03B	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1313126-03C	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days



Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1313126-03D	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-03E	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-03F	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1313126-04A	Vial MeOH preserved	B	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1313126-04B	Vial water preserved	B	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1313126-04C	Vial water preserved	B	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1313126-04D	Amber 250ml unpreserved	B	N/A	3.1	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-04E	Amber 250ml unpreserved	B	N/A	3.1	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-04F	Plastic 2oz unpreserved for TS	B	N/A	3.1	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1313126-05A	Vial MeOH preserved	B	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1313126-05B	Vial water preserved	B	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1313126-05C	Vial water preserved	B	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1313126-05D	Amber 250ml unpreserved	B	N/A	3.1	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1313126-05E	Amber 250ml unpreserved	B	N/A	3.1	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1313126-05F	Plastic 2oz unpreserved for TS	B	N/A	3.1	Y	Absent	TS(7)
L1313126-06A	Vial MeOH preserved	B	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1313126-06B	Vial water preserved	B	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1313126-06C	Vial water preserved	B	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1313126-06D	Amber 250ml unpreserved	B	N/A	3.1	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days



Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1313126

Report Date: 07/26/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1313126-06E	Amber 250ml unpreserved	B	N/A	3.1	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-06F	Plastic 2oz unpreserved for TS	B	N/A	3.1	Y	Absent	TS(7)
L1313126-07A	Vial MeOH preserved	B	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1313126-07B	Vial water preserved	B	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1313126-07C	Vial water preserved	B	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1313126-07D	Amber 250ml unpreserved	B	N/A	3.1	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-07E	Amber 250ml unpreserved	B	N/A	3.1	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-07F	Plastic 2oz unpreserved for TS	B	N/A	3.1	Y	Absent	TS(7)
L1313126-08A	Vial MeOH preserved	C	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-08B	Vial water preserved	C	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-08C	Vial water preserved	C	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days



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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1313126-08D	Amber 250ml unpreserved	C	N/A	2.6	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-08E	Amber 250ml unpreserved	C	N/A	2.6	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-08F	Plastic 2oz unpreserved for TS	C	N/A	2.6	Y	Absent	TS(7)
L1313126-09A	Vial MeOH preserved	C	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-09B	Vial water preserved	C	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-09C	Vial water preserved	C	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-09D	Amber 250ml unpreserved	C	N/A	2.6	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-09E	Amber 250ml unpreserved	C	N/A	2.6	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-09F	Plastic 2oz unpreserved for TS	C	N/A	2.6	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days



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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1313126-10A	Vial MeOH preserved	C	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-10B	Vial water preserved	C	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-10C	Vial water preserved	C	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-10D	Amber 250ml unpreserved	C	N/A	2.6	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1313126-10E	Amber 250ml unpreserved	C	N/A	2.6	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1313126-10F	Plastic 2oz unpreserved for TS	C	N/A	2.6	Y	Absent	TS(7)
L1313126-11A	Vial MeOH preserved	C	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-11B	Vial water preserved	C	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-11C	Vial water preserved	C	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-11D	Amber 250ml unpreserved	C	N/A	2.6	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days



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L1313126-11E	Amber 250ml unpreserved	C	N/A	2.6	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-11F	Plastic 2oz unpreserved for TS	C	N/A	2.6	Y	Absent	TS(7)
L1313126-12A	Vial MeOH preserved	C	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-12B	Vial water preserved	C	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-12C	Vial water preserved	C	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-12D	Amber 250ml unpreserved	C	N/A	2.6	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-12E	Amber 250ml unpreserved	C	N/A	2.6	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-12F	Plastic 2oz unpreserved for TS	C	N/A	2.6	Y	Absent	TS(7)
L1313126-13A	Vial MeOH preserved	D	N/A	2.7	Y	Absent	NYTCL-8260HLW(14)
L1313126-13B	Vial water preserved	D	N/A	2.7	Y	Absent	NYTCL-8260HLW(14)
L1313126-13C	Vial water preserved	D	N/A	2.7	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days



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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1313126-13D	Amber 250ml unpreserved	D	N/A	2.7	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-13E	Amber 250ml unpreserved	D	N/A	2.7	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-13F	Plastic 2oz unpreserved for TS	D	N/A	2.7	Y	Absent	TS(7)
L1313126-14A	Vial MeOH preserved	D	N/A	2.7	Y	Absent	NYTCL-8260HLW(14)
L1313126-14B	Vial water preserved	D	N/A	2.7	Y	Absent	NYTCL-8260HLW(14)
L1313126-14C	Vial water preserved	D	N/A	2.7	Y	Absent	NYTCL-8260HLW(14)
L1313126-14D	Amber 250ml unpreserved	D	N/A	2.7	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-14E	Amber 250ml unpreserved	D	N/A	2.7	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-14F	Plastic 2oz unpreserved for TS	D	N/A	2.7	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days



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L1313126-15A	Vial MeOH preserved	D	N/A	2.7	Y	Absent	NYTCL-8260HLW(14)
L1313126-15B	Vial water preserved	D	N/A	2.7	Y	Absent	NYTCL-8260HLW(14)
L1313126-15C	Vial water preserved	D	N/A	2.7	Y	Absent	NYTCL-8260HLW(14)
L1313126-15D	Amber 250ml unpreserved	D	N/A	2.7	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1313126-15E	Amber 250ml unpreserved	D	N/A	2.7	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1313126-15F	Plastic 2oz unpreserved for TS	D	N/A	2.7	Y	Absent	TS(7)
L1313126-16A	Vial MeOH preserved	E	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1313126-16B	Vial water preserved	E	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1313126-16C	Vial water preserved	E	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1313126-16D	Amber 250ml unpreserved	E	N/A	2.4	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days



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Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1313126-16E	Amber 250ml unpreserved	E	N/A	2.4	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-16F	Plastic 2oz unpreserved for TS	E	N/A	2.4	Y	Absent	TS(7)
L1313126-17A	Vial MeOH preserved	E	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1313126-17B	Vial water preserved	E	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1313126-17C	Vial water preserved	E	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1313126-17D	Amber 250ml unpreserved	E	N/A	2.4	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-17E	Amber 250ml unpreserved	E	N/A	2.4	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-17F	Plastic 2oz unpreserved for TS	E	N/A	2.4	Y	Absent	TS(7)
L1313126-18A	Vial MeOH preserved	E	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1313126-18B	Vial water preserved	E	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1313126-18C	Vial water preserved	E	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days



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L1313126-18D	Amber 250ml unpreserved	E	N/A	2.4	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-18E	Amber 250ml unpreserved	E	N/A	2.4	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-18F	Plastic 2oz unpreserved for TS	E	N/A	2.4	Y	Absent	TS(7)
L1313126-19A	Vial MeOH preserved	F	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1313126-19B	Vial water preserved	F	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1313126-19C	Vial water preserved	F	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1313126-19D	Amber 250ml unpreserved	F	N/A	4.2	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-19E	Amber 250ml unpreserved	F	N/A	4.2	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-19F	Plastic 2oz unpreserved for TS	F	N/A	4.2	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days



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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1313126-20A	Vial HCl preserved	F	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1313126-20B	Vial HCl preserved	F	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1313126-20C	Vial HCl preserved	F	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1313126-20D	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1313126-20E	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1313126-20F	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8081(7)
L1313126-20G	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8081(7)
L1313126-20H	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8082-1200ML(7)
L1313126-20I	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8082-1200ML(7)
L1313126-20J	Plastic 500ml HNO3 preserved	F	<2	4.2	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1313126-21A	Vial HCl preserved	F	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1313126-21B	Vial HCl preserved	F	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1313126-21C	Vial HCl preserved	F	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1313126-21D	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8260(7)
L1313126-21E	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8260(7)
L1313126-21F	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8260(7)
L1313126-21G	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8260(7)
L1313126-21H	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8260(7)
L1313126-21I	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8260(7)
L1313126-21J	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8082-1200ML(7)
L1313126-21J1	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8082-1200ML(7)
L1313126-21J2	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8082-1200ML(7)
L1313126-21K	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8082-1200ML(7)
L1313126-21K1	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8082-1200ML(7)
L1313126-21K2	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8082-1200ML(7)
L1313126-21L	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8081(7)
L1313126-21L1	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8081(7)
L1313126-21L2	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8081(7)
L1313126-21M	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8081(7)

*Values in parentheses indicate holding time in days



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L1313126-21M1	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8081(7)
L1313126-21M2	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8081(7)
L1313126-21N	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1313126-21N1	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1313126-21N2	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1313126-21O	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1313126-21O1	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1313126-21O2	Amber 1000ml unpreserved	F	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1313126-21P	Plastic 500ml HNO3 preserved	F	<2	4.2	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1313126-21Q	Plastic 500ml HNO3 preserved	F	<2	4.2	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1313126-21R	Plastic 500ml HNO3 preserved	F	<2	4.2	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1313126-21S	Plastic 500ml unpreserved	F	7	4.2	Y	Absent	-
L1313126-21T	Plastic 500ml unpreserved	F	7	4.2	Y	Absent	-
L1313126-21U	Plastic 500ml unpreserved	F	7	4.2	Y	Absent	-

*Values in parentheses indicate holding time in days



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L1313126-21X	Plastic 500ml HNO3 preserved spl	F	<2	4.2	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1313126-21Y	Plastic 500ml HNO3 preserved spl	F	<2	4.2	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1313126-21Z	Plastic 500ml HNO3 preserved spl	F	<2	4.2	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1313126-22A	Vial HCl preserved	G	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1313126-22B	Vial HCl preserved	G	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1313126-22C	Vial HCl preserved	G	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1313126-22D	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1313126-22E	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1313126-22F	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	NYTCL-8081(7)
L1313126-22G	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	NYTCL-8081(7)
L1313126-22H	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	NYTCL-8082-1200ML(7)
L1313126-22I	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	NYTCL-8082-1200ML(7)

*Values in parentheses indicate holding time in days



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L1313126-22J	Plastic 500ml HNO3 preserved	G	<2	4.9	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1313126-22K	Plastic 500ml unpreserved	G	7	4.9	Y	Absent	-
L1313126-22X	Plastic 500ml HNO3 preserved spl	G	<2	4.9	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1313126-23A	Vial HCl preserved	G	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1313126-23B	Vial HCl preserved	G	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1313126-23C	Vial HCl preserved	G	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1313126-23D	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1313126-23E	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1313126-23F	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	NYTCL-8081(7)
L1313126-23G	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	NYTCL-8081(7)
L1313126-23H	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	NYTCL-8082-1200ML(7)
L1313126-23I	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	NYTCL-8082-1200ML(7)
L1313126-23J	Plastic 500ml HNO3 preserved	G	<2	4.9	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1313126-23K	Plastic 500ml unpreserved	G	7	4.9	Y	Absent	-

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L1313126-23X	Plastic 500ml HNO3 preserved spl	G	<2	4.9	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1313126-24A	Vial HCl preserved	G	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1313126-24B	Vial HCl preserved	G	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1313126-24C	Vial HCl preserved	G	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1313126-24D	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1313126-24E	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1313126-24F	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	NYTCL-8081(7)
L1313126-24G	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	NYTCL-8081(7)
L1313126-24H	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	NYTCL-8082-1200ML(7)
L1313126-24I	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	NYTCL-8082-1200ML(7)
L1313126-24J	Plastic 500ml HNO3 preserved	G	<2	4.9	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1313126-24K	Plastic 500ml unpreserved	G	7	4.9	Y	Absent	-
L1313126-24X	Plastic 500ml HNO3 preserved spl	G	<2	4.9	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1313126-25A	Vial HCl preserved	G	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1313126-25B	Vial HCl preserved	G	N/A	4.9	Y	Absent	NYTCL-8260(14)

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L1313126-25C	Vial HCl preserved	G	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1313126-25D	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1313126-25E	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1313126-25F	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	NYTCL-8081(7)
L1313126-25G	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	NYTCL-8081(7)
L1313126-25H	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	NYTCL-8082-1200ML(7)
L1313126-25I	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	NYTCL-8082-1200ML(7)
L1313126-25J	Plastic 500ml HNO3 preserved	G	<2	4.9	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1313126-26A	Vial HCl preserved	H	N/A	4.6	Y	Absent	NYTCL-8260(14)
L1313126-26B	Vial HCl preserved	H	N/A	4.6	Y	Absent	NYTCL-8260(14)
L1313126-27A	Vial MeOH preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-27B	Vial water preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-27C	Vial water preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-27D	Amber 250ml unpreserved	H	N/A	4.6	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1313126-27E	Amber 250ml unpreserved	H	N/A	4.6	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

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Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1313126-27F	Plastic 2oz unpreserved for TS	H	N/A	4.6	Y	Absent	TS(7)
L1313126-28A	Vial MeOH preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-28B	Vial water preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-28C	Vial water preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-28D	Amber 250ml unpreserved	H	N/A	4.6	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-28E	Amber 250ml unpreserved	H	N/A	4.6	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-28F	Plastic 2oz unpreserved for TS	H	N/A	4.6	Y	Absent	TS(7)
L1313126-29A	Vial MeOH preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-29B	Vial water preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-29C	Vial water preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-29D	Amber 250ml unpreserved	H	N/A	4.6	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)

*Values in parentheses indicate holding time in days



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L1313126-29E	Amber 250ml unpreserved	H	N/A	4.6	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-29F	Plastic 2oz unpreserved for TS	H	N/A	4.6	Y	Absent	TS(7)
L1313126-30A	Vial MeOH preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-30B	Vial water preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-30C	Vial water preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-30D	Amber 250ml unpreserved	H	N/A	4.6	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-30E	Amber 250ml unpreserved	H	N/A	4.6	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-30F	Plastic 2oz unpreserved for TS	H	N/A	4.6	Y	Absent	TS(7)
L1313126-31A	Vial MeOH preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-31B	Vial water preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-31C	Vial water preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days



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L1313126-31D	Amber 250ml unpreserved	H	N/A	4.6	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-31E	Amber 250ml unpreserved	H	N/A	4.6	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-31F	Plastic 2oz unpreserved for TS	H	N/A	4.6	Y	Absent	TS(7)
L1313126-32A	Vial MeOH preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-32A1	Vial MeOH preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-32A2	Vial MeOH preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-32B	Vial water preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-32B1	Vial water preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-32B2	Vial water preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-32C	Vial water preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-32C1	Vial water preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-32C2	Vial water preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-32D	Amber 250ml unpreserved	H	N/A	4.6	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)

*Values in parentheses indicate holding time in days



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Lab Number: L1313126

Report Date: 07/26/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1313126-32D1	Amber 250ml unpreserved	H	N/A	4.6	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),TS(7),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-32D2	Amber 250ml unpreserved	H	N/A	4.6	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),TS(7),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-32E	Amber 250ml unpreserved	H	N/A	4.6	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-32E1	Amber 250ml unpreserved	H	N/A	4.6	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),TS(7),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)

*Values in parentheses indicate holding time in days



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Report Date: 07/26/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1313126-32E2	Amber 250ml unpreserved	H	N/A	4.6	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),TS(7),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-32F	Plastic 2oz unpreserved for TS	H	N/A	4.6	Y	Absent	TS(7)
L1313126-32F1	Plastic 2oz unpreserved for TS	H	N/A	4.6	Y	Absent	TS(7)
L1313126-32F2	Plastic 2oz unpreserved for TS	H	N/A	4.6	Y	Absent	TS(7)
L1313126-33A	Vial MeOH preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-33B	Vial water preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-33C	Vial water preserved	H	N/A	4.6	Y	Absent	NYTCL-8260HLW(14)
L1313126-33D	Amber 250ml unpreserved	H	N/A	4.6	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-33E	Amber 250ml unpreserved	H	N/A	4.6	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1313126-33F	Plastic 2oz unpreserved for TS	H	N/A	4.6	Y	Absent	TS(7)
L1313126-34A	Vial HCl preserved	H	N/A	4.6	Y	Absent	NYTCL-8260(14)
L1313126-34B	Vial HCl preserved	H	N/A	4.6	Y	Absent	NYTCL-8260(14)
L1313126-34C	Vial HCl preserved	H	N/A	4.6	Y	Absent	NYTCL-8260(14)
L1313126-34D	Amber 1000ml unpreserved	H	7	4.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1313126-34E	Amber 1000ml unpreserved	H	7	4.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)

*Values in parentheses indicate holding time in days



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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1313126-34F	Amber 1000ml unpreserved	H	7	4.6	Y	Absent	NYTCL-8081(7)
L1313126-34G	Amber 1000ml unpreserved	H	7	4.6	Y	Absent	NYTCL-8081(7)
L1313126-34H	Amber 1000ml unpreserved	H	7	4.6	Y	Absent	NYTCL-8082-1200ML(7)
L1313126-34I	Amber 1000ml unpreserved	H	7	4.6	Y	Absent	NYTCL-8082-1200ML(7)
L1313126-34J	Plastic 500ml HNO3 preserved	H	<2	4.6	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1313126-35A	Vial HCl preserved	H	N/A	4.6	Y	Absent	NYTCL-8260(14)
L1313126-35B	Vial HCl preserved	H	N/A	4.6	Y	Absent	NYTCL-8260(14)

Container Comments

L1313126-01E

L1313126-02E

L1313126-05D

L1313126-05E

L1313126-07E

L1313126-11B

L1313126-11D

L1313126-13D

L1313126-13E

L1313126-14D

L1313126-18E

L1313126-19E

L1313126-21R

L1313126-30D

*Values in parentheses indicate holding time in days

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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

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 five times (5x) 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.
- 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.

Report Format: DU Report with "J" Qualifiers



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Data Qualifiers

- 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.
- 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



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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.



Certificate/Approval Program Summary

Last revised July 2, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. *Organic Parameters:* ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO₃-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. *Organic Parameters:* (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. *Microbiology Parameters:* SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters: (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH₃-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO₃-F, 353.2 for Nitrate-N, SM4500NH₃-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO₃-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH₃-H, 4500NO₃-F, 4500NO₂-B, 4500P-E, 4500-S2-D, 4500SO₃-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. NELAP Accredited.

Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO₃-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO₃-F, 4500NO₂-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH₃-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO₃-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO₃-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH₃-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO₃-F, 4500-NO₂-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500CI-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO₃-F, 353.2, 4500P-E, 4500SO₄-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. NELAP Accredited.

Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO₃-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500CI-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH₃-H, 4500NO₂-B, 4500NO₃-F, 4500S-D, 4500SO₃-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH₃-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. NELAP Accredited via NJ-DEP.

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisison on Environmental Quality Certificate/Lab ID: T104704476. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH₃-H, 4500NO₂B, 4500P-E, 4500 S²⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. NELAP Accredited.

Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO₃-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500CI-E, 4500F-B, 4500F-C, 4500NH₃-H, 4500NO₂-B, 4500NO₃-F, 4500 SO₃-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

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

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 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnaphthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.



WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

CHAIN OF CUSTODY

PAGE 1 OF 4

Serial No: 0726131255

ALPHA Job #: L1313126

Project Information

Project Name: BCP Project
Project Location: 74 Wallabout St
Brooklyn, NY
Project #: RAB 1301
Project Manager: Derek E. Erskine
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 7/19/13 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEX ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program Criteria

Client Information

Client: P.W.C.
Address: 630 Johnson Ave, Sk 7
Bohemia, NY 11716
Phone: 631-589-6353
Fax: 631-589-8725
Email: derek@pwcgrasser.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

ASP Category B Deliverables

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS										Sample Specific Comments	
		Date	Time			8060	8070	6010/7471	8081/8082								
13126.01	SB017 (0-2')/MS/MSD	7-1-13	1115	Soil	AR/SC	X	X	X	X								18
.02	SB017 (6-8')		1120														6
.03	SB017 (10-12')		1125														6
.04	SB018 (0-2')		1310														6
.05	SB018 (6-8')		1315														6
.06	SB018 (10-12')		1320														6
.07	SB019 (0-2')		1520														6
.08	SB019 (6-8')		1525														6
.09	SB019 (10-12')		1530														6
.10	SB020 (0-2')		1145														6

Container Type

V A A A

Preservative

A A A

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



WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

CHAIN OF CUSTODY

PAGE 2 OF 4

Serial No: 07261312-55

ALPHA Job #: 41313126

Project Information

Project Name: BCP Project
Project Location: 74 Wallabout St. Brooklyn, NY
Project #: RAB1301
Project Manager: Derek Erskine
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 7/19/13 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program Criteria

Client Information

Client: PWGC
Address: 630 Johnson Ave, Ste 7. Bohemia, NY 11716
Phone: 631-589-6353
Fax: 631-589-8705
Email: dereke@pwgrosser.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

ASP Category B Deliverables

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
☐ Lab to do
☐ Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS										TOTAL # BOTTLES
		Date	Time													
13126	.11 SB020 (6-8')	7-11-13	1200	Soil	AR/SC	X	X	X	X							6
	.12 SB020 (10-12')		12:15													6
	.13 SB021 (0-2')		1240													6
	.14 SB021 (6-8')		1245													6
	.15 SB021 (10-12')		1250													6
	.16 SB022 (0-2')		1355													6
	.17 SB022 (6-8')		1400													6
	.18 SB022 (10-12')		1405													6
	.19 SOIL-DUP-001		XX													6
	.20 EQUIP-BLANK-SOIL-001		0925	Liquid												11

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

AR
Abdul Mshary

7/12/13 1430
7/12/13 18:15
7/13/13 00:20

Abdul Mshary
Abdul Mshary
Abdul Mshary

7/12/13 10:30
7/12/13 18:45
7/13/13 00:20

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.



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TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

CHAIN OF CUSTODY

PAGE 3 OF 4

Serial No: 07261312-55

ALPHA Job #: 41313926

Project Information

Project Name: BCP Project
Project Location: 34 Walla Walla St
Brooklyn, NY
Project #: RAB1301
Project Manager: Derek Esler
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 7/19/13 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEX ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program Criteria

Client Information

Client: PWGC
Address: 630 Johnson Ave Ste 7
Bohemia, NY 11716
Phone: 631-589-6353
Fax: 631-589-8705

Email: derek.esler@pwgco.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Asp Category B Deliverables

Metals (Total & Dissolved)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials										
		Date	Time												
13126.21	SB020 (GW) MS/MSD	7-11-13	1220	Liquid	AR/SC	X	X	X	X						
.22	SB021 (GW)		1300												
.23	SB022 (GW)		1440												
.24	GW-DUP-001		XX												
.25	EQUIP BLANK GW-001		0830												
.26	Trip BLANK		XX	Liquid	TC	X									
.27	SB023 (6-8')	7/11/13	0850	S	AR/TC	X	X	X	X						
.28	FD002	7/11/13	0940	S	AR/SC	X	X	X	X						
.29	FD005	7/11/13	0950	S	AR/SC	X	X	X	X						
.30	FD007	7/11/13	0920	S	AR/SC	X	X	X	X						

Container Type

Preservative

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
☐ Lab to do
☐ Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

33

11

11

11

11

2

6

6

6

6

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



WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

CHAIN OF CUSTODY

PAGE 4 OF 4

Date Rec'd In Lab: 7/13/13

ALPHA Job #: 41313126

Client Information

Client: PWG C

Address: 630 Johnson Ave, Ste 7
Bohemia NY 11716

Phone: 621-589-6353

Fax: 631-584-8705

Email: dereke@dwarosser.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: BCP Project
Project Location: 34 Wallerburg St
Brooklyn NY

Project #: RAB1301

Project Manager: Derek Ershall

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/19/13 Time:

Other Project Specific Requirements/Comments/Detection Limits:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
☐ Lab to do
 Preservation
☐ Lab to do
 (Please specify below)

TOTAL # OF CITIES

[illegible]

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.

Date : 18-JUL-2013 20:06

Client ID:

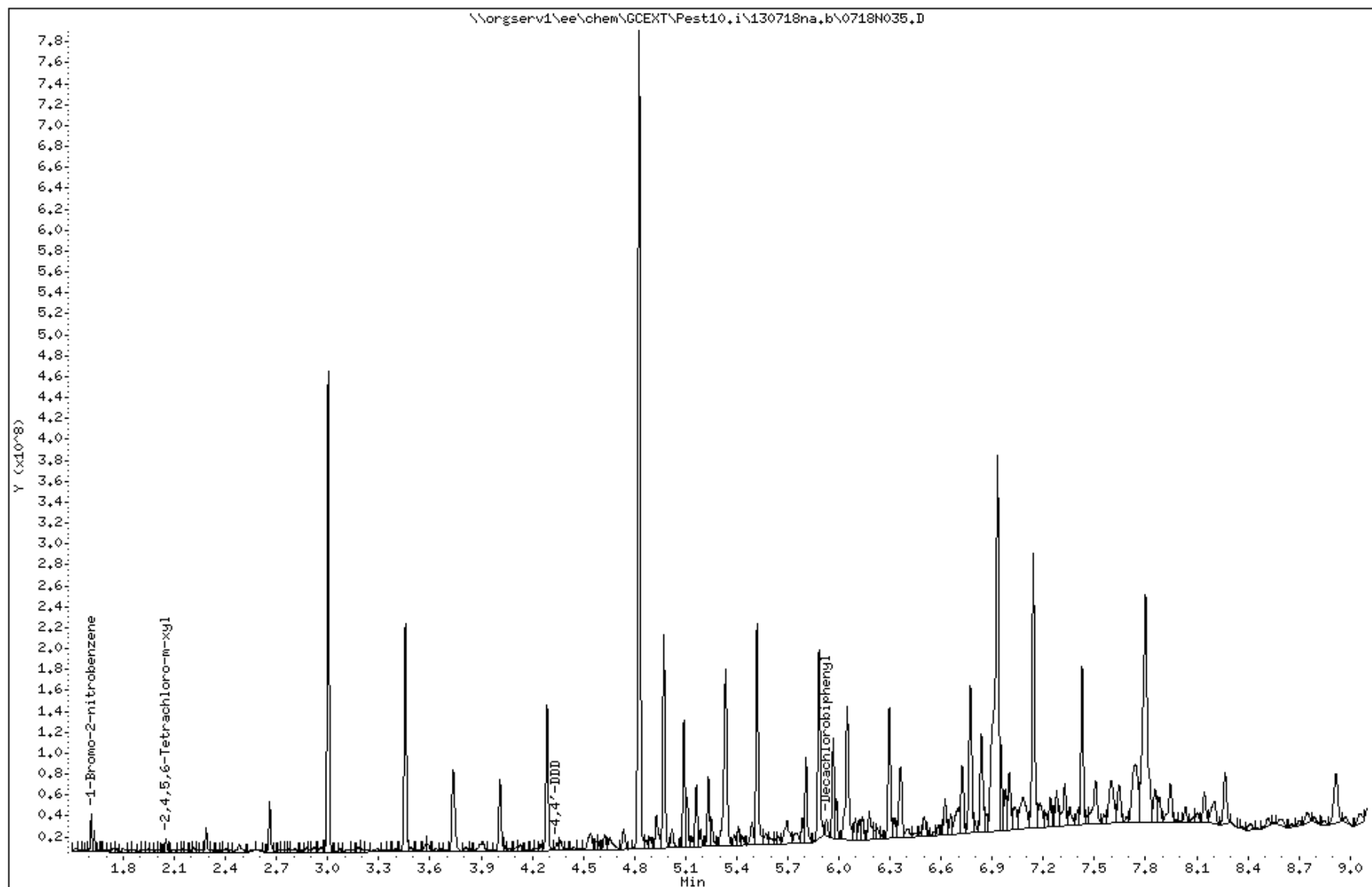
Instrument: Pest10.i

Sample Info: 11313126-29d,42,5x

Operator: sh

Column phase: Rtx-CLP

Column diameter: 0.32



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Page 5

Date : 18-JUL-2013 20:06

Client ID:

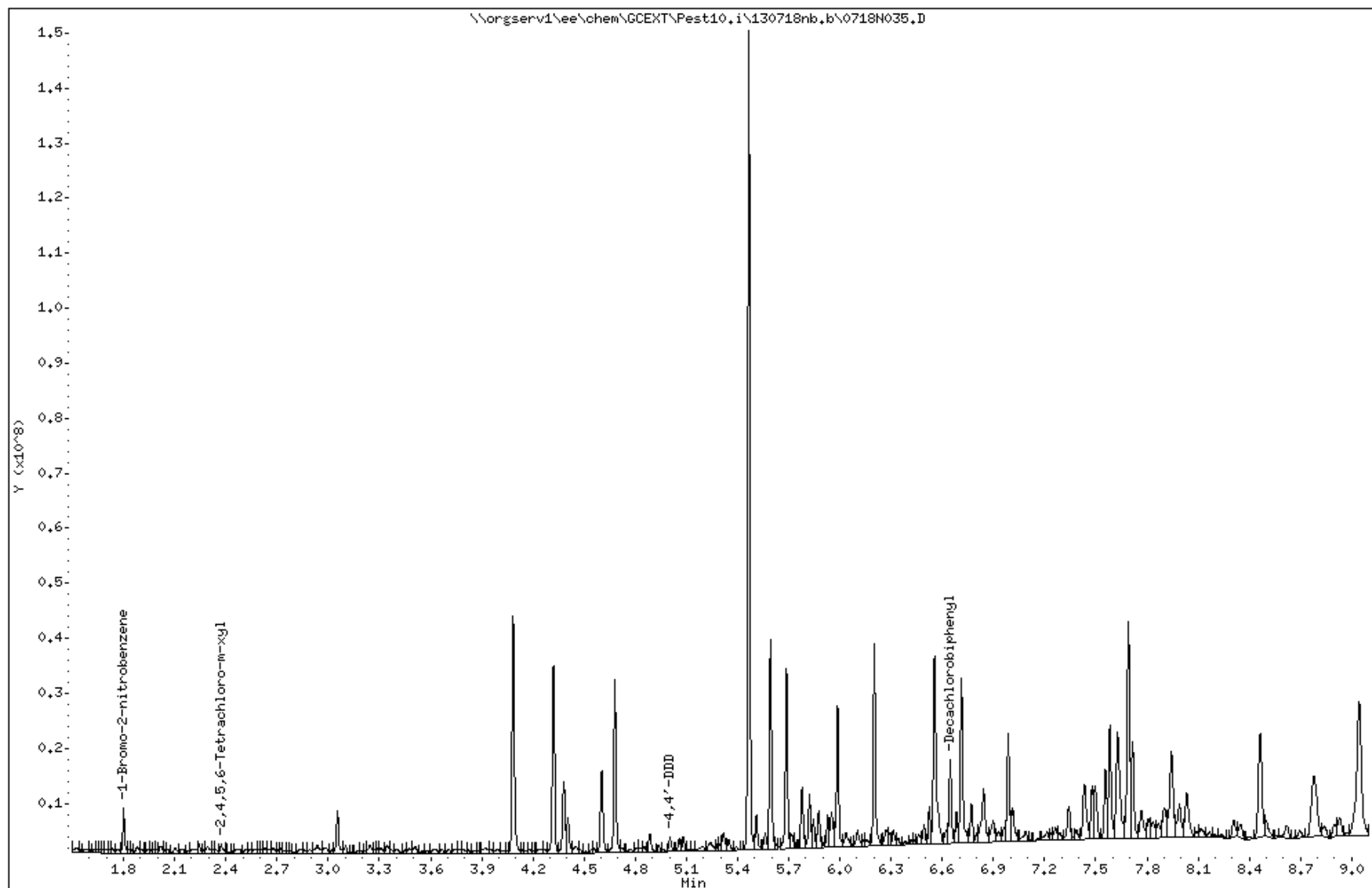
Instrument: Pest10.i

Sample Info: 11313126-29d,42,5x

Operator: sh

Column phase: Rtx-CLPesticidesII

Column diameter: 0.32



Data File: \\ongserv1\ee\chem\GCEXT\Pest10.i\130718na,b\0718N036.D

Page 5

Date : 18-JUL-2013 20:19

Client ID:

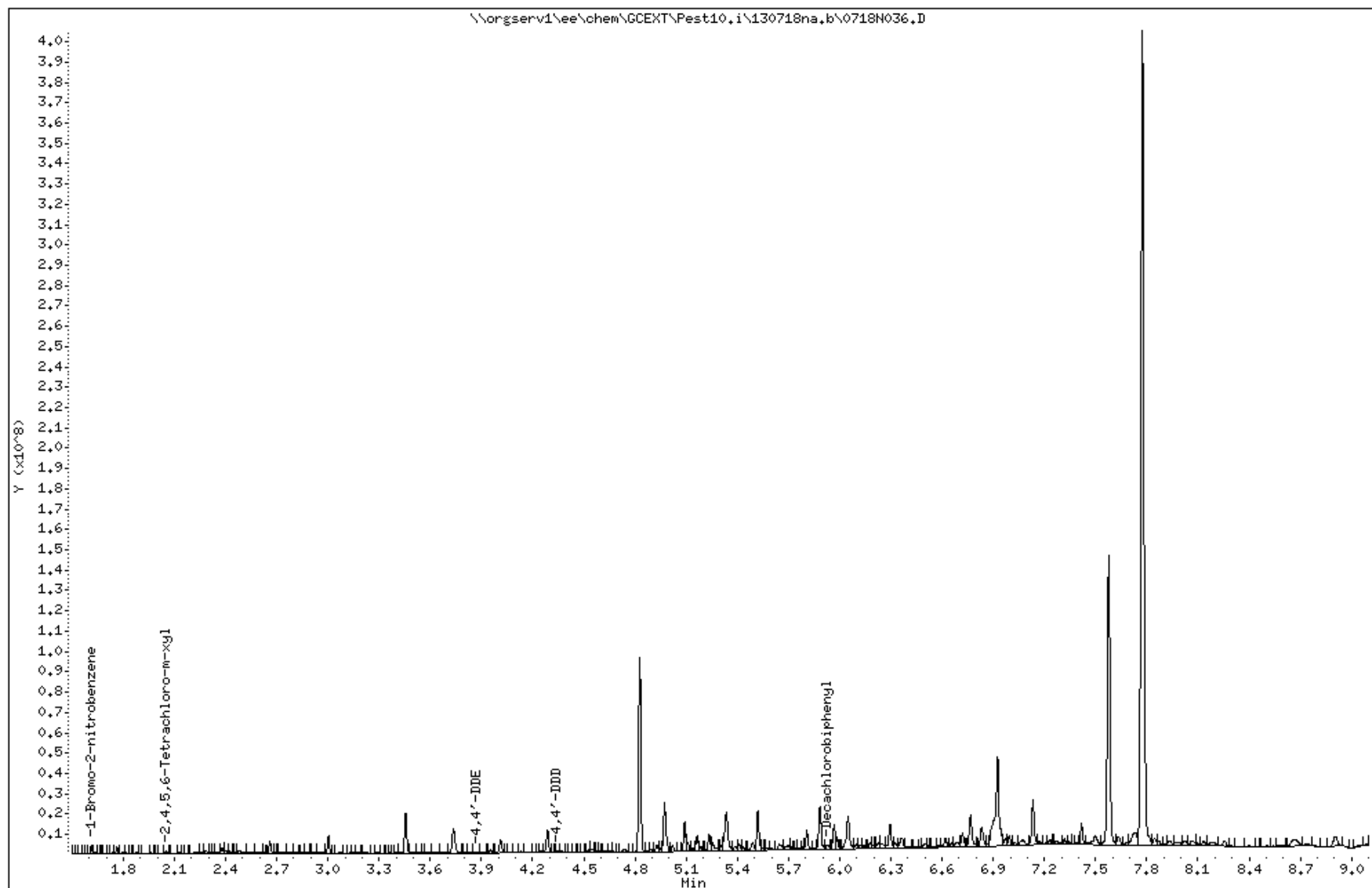
Instrument: Pest10.i

Sample Info: 11313126-30d,42,5x

Operator: sh

Column phase: Rtx-CLP

Column diameter: 0.32



Date : 18-JUL-2013 20:19

Client ID:

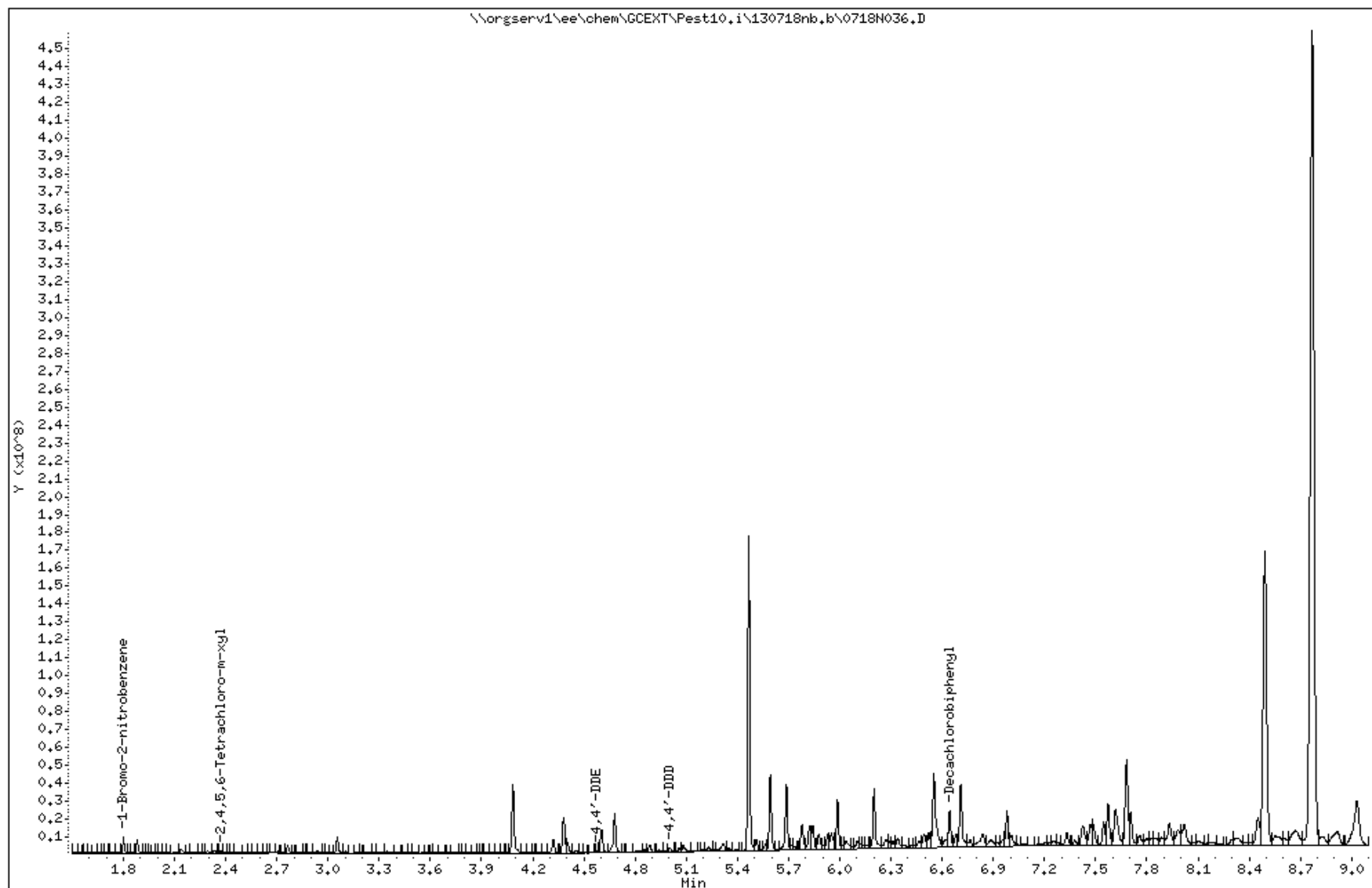
Instrument: Pest10.i

Sample Info: 11313126-30d,42,5x

Operator: sh

Column phase: Rtx-CLPesticidesII

Column diameter: 0.32





ANALYTICAL REPORT

Lab Number:	L1314370
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Derek Ersbak
Phone:	(631) 589-6353
Project Name:	BCP PROJECT
Project Number:	RAB 1301
Report Date:	08/02/13

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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: BCP PROJECT
Project Number: RAB 1301

Lab Number: L1314370
Report Date: 08/02/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1314370-01	FD002	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 09:40
L1314370-02	FD005	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 09:50
L1314370-03	FD007	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 09:20
L1314370-04	FD009	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 10:00
L1314370-05	FD015	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 09:00

Project Name: BCP PROJECT
Project Number: RAB 1301

Lab Number: L1314370
Report Date: 08/02/13

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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: BCP PROJECT
Project Number: RAB 1301

Lab Number: L1314370
Report Date: 08/02/13

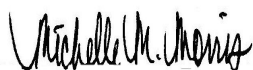
Case Narrative (continued)

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:



Michelle M. Morris

Title: Technical Director/Representative

Date: 08/02/13

METALS

Project Name: BCP PROJECT

Lab Number: L1314370

Project Number: RAB 1301

Report Date: 08/02/13

SAMPLE RESULTS

Lab ID: L1314370-01

Date Collected: 07/11/13 09:40

Client ID: FD002

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

TCLP/SPLP Ext. Date: 07/30/13 14:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	07/31/13 08:51	07/31/13 22:08	EPA 3015	1,6010C	TT
Barium, TCLP	0.09	J	mg/l	0.50	0.03	1	07/31/13 08:51	07/31/13 22:08	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	07/31/13 08:51	07/31/13 22:08	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	07/31/13 08:51	07/31/13 22:08	EPA 3015	1,6010C	TT
Lead, TCLP	ND		mg/l	0.50	0.02	1	07/31/13 08:51	07/31/13 22:08	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	08/01/13 13:00	08/02/13 15:27	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	07/31/13 08:51	07/31/13 22:08	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	07/31/13 08:51	07/31/13 22:08	EPA 3015	1,6010C	TT



Project Name: BCP PROJECT

Lab Number: L1314370

Project Number: RAB 1301

Report Date: 08/02/13

SAMPLE RESULTS

Lab ID: L1314370-02

Date Collected: 07/11/13 09:50

Client ID: FD005

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

TCLP/SPLP Ext. Date: 07/30/13 14:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	07/31/13 08:51	07/31/13 22:12	EPA 3015	1,6010C	TT
Barium, TCLP	0.76		mg/l	0.50	0.03	1	07/31/13 08:51	07/31/13 22:12	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	07/31/13 08:51	07/31/13 22:12	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	07/31/13 08:51	07/31/13 22:12	EPA 3015	1,6010C	TT
Lead, TCLP	0.05	J	mg/l	0.50	0.02	1	07/31/13 08:51	07/31/13 22:12	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	08/01/13 13:00	08/02/13 15:29	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	07/31/13 08:51	07/31/13 22:12	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	07/31/13 08:51	07/31/13 22:12	EPA 3015	1,6010C	TT



Project Name: BCP PROJECT

Lab Number: L1314370

Project Number: RAB 1301

Report Date: 08/02/13

SAMPLE RESULTS

Lab ID: L1314370-03

Date Collected: 07/11/13 09:20

Client ID: FD007

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

TCLP/SPLP Ext. Date: 07/30/13 14:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	07/31/13 08:51	07/31/13 22:50	EPA 3015	1,6010C	TT
Barium, TCLP	0.30	J	mg/l	0.50	0.03	1	07/31/13 08:51	07/31/13 22:50	EPA 3015	1,6010C	TT
Cadmium, TCLP	0.22		mg/l	0.10	0.01	1	07/31/13 08:51	07/31/13 22:50	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	07/31/13 08:51	07/31/13 22:50	EPA 3015	1,6010C	TT
Lead, TCLP	1.1		mg/l	0.50	0.02	1	07/31/13 08:51	07/31/13 22:50	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	08/01/13 13:00	08/02/13 15:35	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	07/31/13 08:51	07/31/13 22:50	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	07/31/13 08:51	07/31/13 22:50	EPA 3015	1,6010C	TT



Project Name: BCP PROJECT

Lab Number: L1314370

Project Number: RAB 1301

Report Date: 08/02/13

SAMPLE RESULTS

Lab ID: L1314370-04

Date Collected: 07/11/13 10:00

Client ID: FD009

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

TCLP/SPLP Ext. Date: 07/30/13 14:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	07/31/13 08:51	07/31/13 22:54	EPA 3015	1,6010C	TT
Barium, TCLP	0.29	J	mg/l	0.50	0.03	1	07/31/13 08:51	07/31/13 22:54	EPA 3015	1,6010C	TT
Cadmium, TCLP	0.01	J	mg/l	0.10	0.01	1	07/31/13 08:51	07/31/13 22:54	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	07/31/13 08:51	07/31/13 22:54	EPA 3015	1,6010C	TT
Lead, TCLP	ND		mg/l	0.50	0.02	1	07/31/13 08:51	07/31/13 22:54	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	08/01/13 13:00	08/02/13 15:37	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	07/31/13 08:51	07/31/13 22:54	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	07/31/13 08:51	07/31/13 22:54	EPA 3015	1,6010C	TT

Project Name: BCP PROJECT

Lab Number: L1314370

Project Number: RAB 1301

Report Date: 08/02/13

SAMPLE RESULTS

Lab ID: L1314370-05

Date Collected: 07/11/13 09:00

Client ID: FD015

Date Received: 07/12/13

Sample Location: 74 WALLABOUT ST. BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

TCLP/SPLP Ext. Date: 07/30/13 14:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	07/31/13 08:51	07/31/13 19:54	EPA 3015	1,6010C	TT
Barium, TCLP	0.20	J	mg/l	0.50	0.03	1	07/31/13 08:51	07/31/13 19:54	EPA 3015	1,6010C	TT
Cadmium, TCLP	0.03	J	mg/l	0.10	0.01	1	07/31/13 08:51	07/31/13 19:54	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	07/31/13 08:51	07/31/13 19:54	EPA 3015	1,6010C	TT
Lead, TCLP	ND		mg/l	0.50	0.02	1	07/31/13 08:51	07/31/13 19:54	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	08/01/13 13:00	08/02/13 15:38	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	07/31/13 08:51	07/31/13 19:54	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	07/31/13 08:51	07/31/13 19:54	EPA 3015	1,6010C	TT



Project Name: BCP PROJECT

Lab Number: L1314370

Project Number: RAB 1301

Report Date: 08/02/13

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01-05 Batch: WG625570-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	07/31/13 08:51	07/31/13 19:46	1,6010C	TT
Barium, TCLP	0.04	J	mg/l	0.50	0.03	1	07/31/13 08:51	07/31/13 19:46	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	07/31/13 08:51	07/31/13 19:46	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	07/31/13 08:51	07/31/13 19:46	1,6010C	TT
Lead, TCLP	ND		mg/l	0.50	0.02	1	07/31/13 08:51	07/31/13 19:46	1,6010C	TT
Selenium, TCLP	ND		mg/l	0.50	0.03	1	07/31/13 08:51	07/31/13 19:46	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	07/31/13 08:51	07/31/13 19:46	1,6010C	TT

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 07/30/13 14:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01-05 Batch: WG625894-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	08/01/13 13:00	08/02/13 15:24	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 07/27/13 16:00

Lab Control Sample Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1314370

Report Date: 08/02/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-05 Batch: WG625570-2								
Arsenic, TCLP	100		-		75-125	-		20
Barium, TCLP	95		-		75-125	-		20
Cadmium, TCLP	100		-		75-125	-		20
Chromium, TCLP	100		-		75-125	-		20
Lead, TCLP	94		-		75-125	-		20
Selenium, TCLP	100		-		75-125	-		20
Silver, TCLP	98		-		75-125	-		20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-05 Batch: WG625894-2								
Mercury, TCLP	100		-		80-120	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1314370

Report Date: 08/02/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG625570-4 WG625570-5 QC Sample: L1314370-05 Client ID: FD015												
Arsenic, TCLP	ND	1.2	1.1	92		1.1	92		75-125	0		20
Barium, TCLP	0.20J	20	18	90		18	90		75-125	0		20
Cadmium, TCLP	0.03J	0.51	0.50	98		0.51	100		75-125	2		20
Chromium, TCLP	ND	2	1.9	95		1.9	95		75-125	0		20
Lead, TCLP	ND	5.1	4.4	86		4.5	88		75-125	2		20
Selenium, TCLP	ND	1.2	1.1	92		1.1	92		75-125	0		20
Silver, TCLP	ND	0.5	0.46	92		0.46	92		75-125	0		20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG625894-3 WG625894-4 QC Sample: L1314370-05 Client ID: FD015												
Mercury, TCLP	ND	0.025	0.0240	96		0.0241	96		70-130	0		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1314370

Report Date: 08/02/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG625570-3 QC Sample: L1314370-05 Client ID: FD015						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.20J	0.20J	mg/l	NC		20
Cadmium, TCLP	0.03J	0.03J	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20

Project Name: BCP PROJECT

Project Number: RAB 1301

Lab Number: L1314370

Report Date: 08/02/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

H Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1314370-01A	Amber 250ml unpreserved	H	N/A	4.6	Y	Absent	-
L1314370-01X	Plastic 250ml HNO3 preserved spl	H	<2	4.6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1314370-02A	Amber 250ml unpreserved	H	N/A	4.6	Y	Absent	-
L1314370-02X	Plastic 250ml HNO3 preserved spl	H	<2	4.6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1314370-03A	Amber 250ml unpreserved	H	N/A	4.6	Y	Absent	-
L1314370-03X	Plastic 250ml HNO3 preserved spl	H	<2	4.6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1314370-04A	Amber 250ml unpreserved	H	N/A	4.6	Y	Absent	-
L1314370-04X	Plastic 250ml HNO3 preserved spl	H	<2	4.6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1314370-05A	Amber 250ml unpreserved	H	N/A	4.6	Y	Absent	-
L1314370-05X	Plastic 250ml HNO3 preserved spl	H	<2	4.6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)

*Values in parentheses indicate holding time in days

Project Name: BCP PROJECT
Project Number: RAB 1301

Lab Number: L1314370
Report Date: 08/02/13

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

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 five times (5x) 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.
- 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.

Report Format: DU Report with "J" Qualifiers



Project Name: BCP PROJECT
Project Number: RAB 1301

Lab Number: L1314370
Report Date: 08/02/13

Data Qualifiers

- 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: BCP PROJECT
Project Number: RAB 1301

Lab Number: L1314370
Report Date: 08/02/13

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.



Certificate/Approval Program Summary

Last revised July 2, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. *Organic Parameters:* ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO₃-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. *Organic Parameters:* (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. *Microbiology Parameters:* SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters: (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH₃-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO₃-F, 353.2 for Nitrate-N, SM4500NH₃-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO₃-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH₃-H, 4500NO₃-F, 4500NO₂-B, 4500P-E, 4500-S2-D, 4500SO₃-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. NELAP Accredited.

Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO₃-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO₃-F, 4500NO₂-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH₃-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO₃-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Page 20 of 24 *Solid & Chemical Materials (Inorganic Parameters:* SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO₃-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH₃-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO₃-F, 4500-NO₂-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO₃-F, 353.2, 4500P-E, 4500SO₄-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. NELAP Accredited.

Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO₃-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH₃-H, 4500NO₂-B, 4500NO₃-F, 4500S-D, 4500SO₃-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH₃-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. NELAP Accredited via NJ-DEP.

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commissoon on Environmental Quality Certificate/Lab ID: T104704476. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH₃-H, 4500NO₂B, 4500P-E, 4500 S²⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. NELAP Accredited.

Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO₃-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH₃-H, 4500NO₂-B, 4500NO₃-F, 4500 SO₃-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

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

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 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnaphthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.



CHAIN OF CUSTODY

PAGE 3 OF 4

Date Rec'd in Lab 7/13/13

ALPHA Job # 6156/113-38

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: BCP Project
Project Location: 34 Wallabout St
Brooklyn, NY
Project #: RAB1301
Project Manager: Derek Estab

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 7/19/13 Time: 8/5/13

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Criteria

Client Information

Client: PWGC
Address: 630 Johnson Ave, Ste 7
Bohemia, NY 11716
Phone: 631-589-6353
Fax: 631-589-8705

Email: derek@pwgcr.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Asp Category B Deliverables

Metals (Total & Dissolved)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS										TOTAL # BOTTLES
		Date	Time													
~~13126-21~~	SB020 (LA) NS/MSD	7-11-13	1220	Liquid	AR/SC	*	*	*	*	*	*	*	*	*	*	33
~~22~~	SB021 (GW)		1300			*	*	*	*	*	*	*	*	*	*	11
~~23~~	SB022 (GW)		1440			*	*	*	*	*	*	*	*	*	*	11
~~24~~	GW-DUP-901		XX			*	*	*	*	*	*	*	*	*	*	11
~~25~~	EQUIP BLANK GW-001		0830			*	*	*	*	*	*	*	*	*	*	11
~~26~~	Trip BLANK		XX	Liquid	TC	*	*	*	*	*	*	*	*	*	*	2
~~27~~	SBC023 (6-8')	7/11/13	0850	S	AR/SC	*	*	*	*	*	*	*	*	*	*	6
~~14370-01~~	FD004	7/11/13	0940	S	AR/SC	*	*	*	*	*	*	*	*	*	*	6
~~02-07~~	FD005	7/11/13	0950	S	AR/SC	*	*	*	*	*	*	*	*	*	*	6
~~03-00~~	FD007	7/11/13	0900	S	AR/SC	*	*	*	*	*	*	*	*	*	*	6

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

A. Ker
Abdel M. M. M. M.

7/12/13 10:30
7/12/13 8:15
7/13/13 00:20

Abdel M. M. M. M.
Abdel M. M. M. M.
Abdel M. M. M. M.

7/12/13 10:30
7/12/13 18:20
7/13/13 00:20

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



CHAIN OF CUSTODY

PAGE 4 OF 4

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: PWGC

Address: 630 Schenck Ave, Ste 7
Bohemia, NY 11716

Phone: 631-589-6353

Fax: 631-589-8705

Email: dereke@pwgossers.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: BCP Project

Project Location: 34 Waterbury St
Brooklyn, NY

Project #: RAB1301

Project Manager: Derek Ershoff

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 7/19/13 Time: 8/5/13

Other Project Specific Requirements/Comments/Detection Limits:

Date Rec'd In Lab: 7/13/13

Serial No: 11318373
ALPHA Job #: 11318373

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Criteria

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS										TOTAL # BOTTLES
		Date	Time			1	2	3	4	5	6	7	8	9	10	
~~1312603~~	FD009	7-11-13	10:00	S	AR/SC	X	X	X	X	X	X	X	X	X	X	6
~~1437005~~	FD015 /MS/MSD	7-4-13	0900	S	AR/LJC	X	X	X	X	X	X	X	X	X	X	18
~~32~~	FD_Dup_001	7-4-13	—	S	AR/LJC	X	X	X	X	X	X	X	X	X	X	6
~~51~~	EQUIP-BLANK-FD-001	7-11-13	1045	S	AR/SC	X	X	X	X	X	X	X	X	X	X	6
~~55~~	Trip Blank															

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.



ANALYTICAL REPORT

Lab Number:	L1314810
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Derek Ersbak
Phone:	(631) 589-6353
Project Name:	74 WALLABOUT ST.
Project Number:	RAB 1301
Report Date:	08/11/13

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: 74 WALLABOUT ST.
Project Number: RAB 1301

Lab Number: L1314810
Report Date: 08/11/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1314810-01	OB003	BROOKLYN, NY	08/02/13 12:10
L1314810-02	MW004	BROOKLYN, NY	08/02/13 13:30
L1314810-03	FB	BROOKLYN, NY	08/02/13 14:00
L1314810-04	TB	BROOKLYN, NY	08/02/13 00:00

Project Name: 74 WALLABOUT ST.
Project Number: RAB 1301

Lab Number: L1314810
Report Date: 08/11/13

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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: 74 WALLABOUT ST.
Project Number: RAB 1301

Lab Number: L1314810
Report Date: 08/11/13

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 and times were obtained from the container labels.

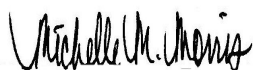
Dissolved Metals

The WG627084-4 MS recoveries for Calcium (62%) and Sodium (0%), performed on L1314810-01, do not apply because the sample concentrations are greater than four times the spike amount added.

The WG627084-4 MS recovery, performed on L1314810-01, is below the acceptance criteria for Potassium (0%). A post digestion spike was performed with an acceptable recovery of 92%.

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: 08/11/13

ORGANICS

VOLATILES

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-01
Client ID: OB003
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/09/13 13:34
Analyst: PD

Date Collected: 08/02/13 12:10
Date Received: 08/02/13
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	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	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	0.16	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
1,1-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	0.19	1
Benzene	9.7		ug/l	0.50	0.19	1
Toluene	4.2		ug/l	2.5	0.70	1
Ethylbenzene	3.4		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	0.18	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
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-01
 Client ID: OB003
 Sample Location: BROOKLYN, NY

Date Collected: 08/02/13 12:10
 Date Received: 08/02/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	2.5		ug/l	2.5	0.70	1
o-Xylene	1.1	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	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	0.71	J	ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		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	0.77	J	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	1.8	J	ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	3.0		ug/l	2.5	0.70	1
n-Propylbenzene	0.72	J	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
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	76.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-01
 Client ID: OB003
 Sample Location: BROOKLYN, NY

Date Collected: 08/02/13 12:10
 Date Received: 08/02/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	1.6	J	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	96		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	89		70-130

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-02
Client ID: MW004
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/09/13 14:10
Analyst: PD

Date Collected: 08/02/13 13:30
Date Received: 08/02/13
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	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	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	0.16	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
1,1-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	0.19	1
Benzene	ND		ug/l	0.50	0.19	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	0.18	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
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-02

Date Collected: 08/02/13 13:30

Client ID: MW004

Date Received: 08/02/13

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	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	ND		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
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	76.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-02
 Client ID: MW004
 Sample Location: BROOKLYN, NY

Date Collected: 08/02/13 13:30
 Date Received: 08/02/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

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	105		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	101		70-130

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-03
Client ID: FB
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/09/13 14:46
Analyst: PD

Date Collected: 08/02/13 14:00
Date Received: 08/02/13
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	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	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	0.16	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
1,1-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	0.19	1
Benzene	ND		ug/l	0.50	0.19	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	0.18	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
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-03

Date Collected: 08/02/13 14:00

Client ID: FB

Date Received: 08/02/13

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	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	3.1	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
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	76.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-03
 Client ID: FB
 Sample Location: BROOKLYN, NY

Date Collected: 08/02/13 14:00
 Date Received: 08/02/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

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	102		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	99		70-130

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-04
Client ID: TB
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/09/13 15:22
Analyst: PD

Date Collected: 08/02/13 00:00
Date Received: 08/02/13
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	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	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	0.16	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
1,1-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	0.19	1
Benzene	ND		ug/l	0.50	0.19	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	0.18	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
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-04

Date Collected: 08/02/13 00:00

Client ID: TB

Date Received: 08/02/13

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	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	4.1	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
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	76.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-04
 Client ID: TB
 Sample Location: BROOKLYN, NY

Date Collected: 08/02/13 00:00
 Date Received: 08/02/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

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	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	99		70-130

Project Name: 74 WALLABOUT ST.

Lab Number: L1314810

Project Number: RAB 1301

Report Date: 08/11/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/09/13 11:10
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG627873-3					
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	0.16
1,2-Dichloropropane	ND		ug/l	1.0	0.30
Dibromochloromethane	ND		ug/l	0.50	0.19
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	0.16
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
1,1-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	0.19
Benzene	ND		ug/l	0.50	0.19
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	0.18
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
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

Project Name: 74 WALLABOUT ST.

Lab Number: L1314810

Project Number: RAB 1301

Report Date: 08/11/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/09/13 11:10
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG627873-3					
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
cis-1,2-Dichloroethene	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
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

Project Name: 74 WALLABOUT ST.

Lab Number: L1314810

Project Number: RAB 1301

Report Date: 08/11/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/09/13 11:10
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG627873-3					
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	76.
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-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	104		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 74 WALLABOUT ST.

Project Number: RAB 1301

Lab Number: L1314810

Report Date: 08/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG627873-1 WG627873-2								
Methylene chloride	101		99		70-130	2		20
1,1-Dichloroethane	103		102		70-130	1		20
Chloroform	103		102		70-130	1		20
Carbon tetrachloride	106		104		63-132	2		20
1,2-Dichloropropane	102		101		70-130	1		20
Dibromochloromethane	103		103		63-130	0		20
1,1,2-Trichloroethane	104		103		70-130	1		20
Tetrachloroethene	105		103		70-130	2		20
Chlorobenzene	106		104		75-130	2		20
Trichlorofluoromethane	122		119		62-150	2		20
1,2-Dichloroethane	102		102		70-130	0		20
1,1,1-Trichloroethane	104		102		67-130	2		20
Bromodichloromethane	106		105		67-130	1		20
trans-1,3-Dichloropropene	106		104		70-130	2		20
cis-1,3-Dichloropropene	106		104		70-130	2		20
1,1-Dichloropropene	104		103		70-130	1		20
Bromoform	108		107		54-136	1		20
1,1,2,2-Tetrachloroethane	101		102		67-130	1		20
Benzene	106		105		70-130	1		20
Toluene	108		106		70-130	2		20
Ethylbenzene	111		110		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB 1301

Lab Number: L1314810

Report Date: 08/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG627873-1 WG627873-2								
Chloromethane	87		80		64-130	8		20
Bromomethane	68		60		39-139	13		20
Vinyl chloride	116		111		55-140	4		20
Chloroethane	122		118		55-138	3		20
1,1-Dichloroethene	111		110		61-145	1		20
trans-1,2-Dichloroethene	102		99		70-130	3		20
Trichloroethene	104		103		70-130	1		20
1,2-Dichlorobenzene	107		104		70-130	3		20
1,3-Dichlorobenzene	108		106		70-130	2		20
1,4-Dichlorobenzene	104		101		70-130	3		20
Methyl tert butyl ether	98		102		63-130	4		20
p/m-Xylene	113		110		70-130	3		20
o-Xylene	114		113		70-130	1		20
cis-1,2-Dichloroethene	101		103		70-130	2		20
Dibromomethane	105		102		70-130	3		20
1,2,3-Trichloropropane	101		102		64-130	1		20
Acrylonitrile	89		92		70-130	3		20
Styrene	116		115		70-130	1		20
Dichlorodifluoromethane	109		105		36-147	4		20
Acetone	104		99		58-148	5		20
Carbon disulfide	104		101		51-130	3		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 74 WALLABOUT ST.

Project Number: RAB 1301

Lab Number: L1314810

Report Date: 08/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG627873-1 WG627873-2								
2-Butanone	90		85		63-138	6		20
Vinyl acetate	96		97		70-130	1		20
4-Methyl-2-pentanone	88		90		59-130	2		20
2-Hexanone	97		95		57-130	2		20
Bromochloromethane	107		105		70-130	2		20
2,2-Dichloropropane	116		112		63-133	4		20
1,2-Dibromoethane	99		99		70-130	0		20
1,3-Dichloropropane	104		103		70-130	1		20
1,1,1,2-Tetrachloroethane	107		107		64-130	0		20
Bromobenzene	108		104		70-130	4		20
n-Butylbenzene	106		100		53-136	6		20
sec-Butylbenzene	111		106		70-130	5		20
tert-Butylbenzene	108		104		70-130	4		20
o-Chlorotoluene	115		112		70-130	3		20
p-Chlorotoluene	111		107		70-130	4		20
1,2-Dibromo-3-chloropropane	100		100		41-144	0		20
Hexachlorobutadiene	104		98		63-130	6		20
Isopropylbenzene	114		110		70-130	4		20
p-Isopropyltoluene	108		103		70-130	5		20
Naphthalene	108		104		70-130	4		20
n-Propylbenzene	108		104		69-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB 1301

Lab Number: L1314810

Report Date: 08/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG627873-1 WG627873-2								
1,2,3-Trichlorobenzene	103		97		70-130	6		20
1,2,4-Trichlorobenzene	98		94		70-130	4		20
1,3,5-Trimethylbenzene	111		107		64-130	4		20
1,2,4-Trimethylbenzene	102		99		70-130	3		20
1,4-Dioxane	97		99		56-162	2		20
1,4-Diethylbenzene	106		100		70-130	6		20
4-Ethyltoluene	108		103		70-130	5		20
1,2,4,5-Tetramethylbenzene	123		117		70-130	5		20
Ethyl ether	112		114		59-134	2		20
trans-1,4-Dichloro-2-butene	94		91		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		101		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	102		103		70-130
Dibromofluoromethane	102		100		70-130

SEMIVOLATILES

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-01
Client ID: OB003
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/09/13 01:54
Analyst: JB

Date Collected: 08/02/13 12:10
Date Received: 08/02/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/04/13 16:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-01
 Client ID: OB003
 Sample Location: BROOKLYN, NY

Date Collected: 08/02/13 12:10
 Date Received: 08/02/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	86		41-149

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-01
Client ID: OB003
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/06/13 18:49
Analyst: AS

Date Collected: 08/02/13 12:10
Date Received: 08/02/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/04/13 16:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.95		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	1.2		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	0.16	J	ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	0.92		ug/l	0.20	0.06	1
Phenanthrene	0.11	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.08	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	0.35		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	72		41-149

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-02
Client ID: MW004
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/09/13 02:19
Analyst: JB

Date Collected: 08/02/13 13:30
Date Received: 08/02/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/04/13 16:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-02
 Client ID: MW004
 Sample Location: BROOKLYN, NY

Date Collected: 08/02/13 13:30
 Date Received: 08/02/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	77		41-149

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-02
Client ID: MW004
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/06/13 19:19
Analyst: AS

Date Collected: 08/02/13 13:30
Date Received: 08/02/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/04/13 16:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	0.07	J	ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	0.08	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.29		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	75		41-149

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-03
Client ID: FB
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/09/13 02:45
Analyst: JB

Date Collected: 08/02/13 14:00
Date Received: 08/02/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/04/13 16:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-03

Date Collected: 08/02/13 14:00

Client ID: FB

Date Received: 08/02/13

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	70		41-149

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-03
Client ID: FB
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/06/13 19:50
Analyst: AS

Date Collected: 08/02/13 14:00
Date Received: 08/02/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/04/13 16:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	70		41-149

Project Name: 74 WALLABOUT ST.

Lab Number: L1314810

Project Number: RAB 1301

Report Date: 08/11/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/08/13 23:46
 Analyst: JB

Extraction Method: EPA 3510C
 Extraction Date: 08/04/13 16:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG626418-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40
Hexachlorocyclopentadiene	ND		ug/l	20	2.1
Isophorone	ND		ug/l	5.0	0.35
Nitrobenzene	ND		ug/l	2.0	0.50
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	0.46
Di-n-butylphthalate	ND		ug/l	5.0	0.54
Di-n-octylphthalate	ND		ug/l	5.0	0.53
Diethyl phthalate	ND		ug/l	5.0	0.45
Dimethyl phthalate	ND		ug/l	5.0	0.45
Biphenyl	ND		ug/l	2.0	0.50
4-Chloroaniline	ND		ug/l	5.0	0.83
2-Nitroaniline	ND		ug/l	5.0	0.40
3-Nitroaniline	ND		ug/l	5.0	0.59
4-Nitroaniline	ND		ug/l	5.0	0.55
Dibenzofuran	ND		ug/l	2.0	0.47
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65
Acetophenone	ND		ug/l	5.0	0.55

Project Name: 74 WALLABOUT ST.

Lab Number: L1314810

Project Number: RAB 1301

Report Date: 08/11/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/08/13 23:46
 Analyst: JB

Extraction Method: EPA 3510C
 Extraction Date: 08/04/13 16:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG626418-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50
2-Chlorophenol	ND		ug/l	2.0	0.34
2,4-Dichlorophenol	ND		ug/l	5.0	0.43
2,4-Dimethylphenol	ND		ug/l	5.0	1.2
2-Nitrophenol	ND		ug/l	10	0.48
4-Nitrophenol	ND		ug/l	10	1.2
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59
Phenol	ND		ug/l	5.0	0.26
2-Methylphenol	ND		ug/l	5.0	0.53
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.53

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	91		41-149

Project Name: 74 WALLABOUT ST.

Lab Number: L1314810

Project Number: RAB 1301

Report Date: 08/11/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 08/06/13 16:15
 Analyst: AS

Extraction Method: EPA 3510C
 Extraction Date: 08/04/13 16:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG626419-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	0.09	J	ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	0.11	J	ug/l	0.80	0.07

Project Name: 74 WALLABOUT ST.

Lab Number: L1314810

Project Number: RAB 1301

Report Date: 08/11/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM

Extraction Method: EPA 3510C

Analytical Date: 08/06/13 16:15

Extraction Date: 08/04/13 16:55

Analyst: AS

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG626419-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	76		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB 1301

Lab Number: L1314810

Report Date: 08/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG626418-2 WG626418-3								
1,2,4-Trichlorobenzene	80		75		39-98	6		30
Bis(2-chloroethyl)ether	102		87		40-140	16		30
1,2-Dichlorobenzene	81		73		40-140	10		30
1,3-Dichlorobenzene	78		71		40-140	9		30
1,4-Dichlorobenzene	78		70		36-97	11		30
3,3'-Dichlorobenzidine	94		105		40-140	11		30
2,4-Dinitrotoluene	130	Q	109	Q	24-96	18		30
2,6-Dinitrotoluene	131		102		40-140	25		30
4-Chlorophenyl phenyl ether	113		98		40-140	14		30
4-Bromophenyl phenyl ether	122		102		40-140	18		30
Bis(2-chloroisopropyl)ether	110		95		40-140	15		30
Bis(2-chloroethoxy)methane	117		91		40-140	25		30
Hexachlorocyclopentadiene	49		49		40-140	0		30
Isophorone	118		94		40-140	23		30
Nitrobenzene	102		99		40-140	3		30
NitrosoDiPhenylAmine(NDPA)/DPA	119		103		40-140	14		30
n-Nitrosodi-n-propylamine	112		92		29-132	20		30
Bis(2-Ethylhexyl)phthalate	144	Q	122		40-140	17		30
Butyl benzyl phthalate	126		112		40-140	12		30
Di-n-butylphthalate	132		112		40-140	16		30
Di-n-octylphthalate	144	Q	126		40-140	13		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB 1301

Lab Number: L1314810

Report Date: 08/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG626418-2 WG626418-3								
Diethyl phthalate	127		107		40-140	17		30
Dimethyl phthalate	122		108		40-140	12		30
Biphenyl	100		95			5		30
4-Chloroaniline	99		102		40-140	3		30
2-Nitroaniline	142		113		52-143	23		30
3-Nitroaniline	111		103		25-145	7		30
4-Nitroaniline	128		106		51-143	19		30
Dibenzofuran	113		101		40-140	11		30
1,2,4,5-Tetrachlorobenzene	90		88		2-134	2		30
Acetophenone	116		94		39-129	21		30
2,4,6-Trichlorophenol	117		96		30-130	20		30
P-Chloro-M-Cresol	128	Q	105	Q	23-97	20		30
2-Chlorophenol	103		87		27-123	17		30
2,4-Dichlorophenol	109		96		30-130	13		30
2,4-Dimethylphenol	98		95		30-130	3		30
2-Nitrophenol	116		91		30-130	24		30
4-Nitrophenol	72		66		10-80	9		30
2,4-Dinitrophenol	27		15	Q	20-130	57	Q	30
4,6-Dinitro-o-cresol	49		36		20-164	31	Q	30
Phenol	57		45		12-110	24		30
2-Methylphenol	101		82		30-130	21		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB 1301

Lab Number: L1314810

Report Date: 08/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG626418-2 WG626418-3								
3-Methylphenol/4-Methylphenol	106		84		30-130	23		30
2,4,5-Trichlorophenol	129		103		30-130	22		30
Benzoic Acid	53		30			55	Q	30
Benzyl Alcohol	109		83			27		30
Carbazole	126		112		55-144	12		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	69		61		21-120
Phenol-d6	53		43		10-120
Nitrobenzene-d5	113		95		23-120
2-Fluorobiphenyl	98		86		15-120
2,4,6-Tribromophenol	121	Q	107		10-120
4-Terphenyl-d14	106		97		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 74 WALLABOUT ST.

Project Number: RAB 1301

Lab Number: L1314810

Report Date: 08/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG626419-2 WG626419-3								
Acenaphthene	80		76		37-111	5		40
2-Chloronaphthalene	81		76		40-140	6		40
Fluoranthene	107		97		40-140	10		40
Hexachlorobutadiene	60		55		40-140	9		40
Naphthalene	76		72		40-140	5		40
Benzo(a)anthracene	120		107		40-140	11		40
Benzo(a)pyrene	98		90		40-140	9		40
Benzo(b)fluoranthene	117		108		40-140	8		40
Benzo(k)fluoranthene	112		102		40-140	9		40
Chrysene	102		91		40-140	11		40
Acenaphthylene	88		84		40-140	5		40
Anthracene	94		86		40-140	9		40
Benzo(ghi)perylene	105		98		40-140	7		40
Fluorene	99		91		40-140	8		40
Phenanthrene	104		95		40-140	9		40
Dibenzo(a,h)anthracene	97		90		40-140	7		40
Indeno(1,2,3-cd)Pyrene	102		94		40-140	8		40
Pyrene	100		91		26-127	9		40
2-Methylnaphthalene	79		74		40-140	7		40
Pentachlorophenol	129	Q	99		9-103	26		40
Hexachlorobenzene	81		76		40-140	6		40

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 74 WALLABOUT ST.**Project Number:** RAB 1301**Lab Number:** L1314810**Report Date:** 08/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG626419-2 WG626419-3								
Hexachloroethane	71		67		40-140	6		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		56		21-120
Phenol-d6	44		45		10-120
Nitrobenzene-d5	101		103		23-120
2-Fluorobiphenyl	82		83		15-120
2,4,6-Tribromophenol	111		103		10-120
4-Terphenyl-d14	87		84		41-149

PCBS

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-01
Client ID: OB003
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/06/13 08:51
Analyst: KB

Date Collected: 08/02/13 12:10
Date Received: 08/02/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/05/13 15:13
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/05/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 08/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1
Aroclor 1262	ND		ug/l	0.083	0.029	1
Aroclor 1268	ND		ug/l	0.083	0.038	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	49		30-150
Decachlorobiphenyl	77		30-150
2,4,5,6-Tetrachloro-m-xylene	56		30-150
Decachlorobiphenyl	76		30-150

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-02
Client ID: MW004
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/06/13 09:07
Analyst: KB

Date Collected: 08/02/13 13:30
Date Received: 08/02/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/05/13 15:13
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/05/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 08/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1
Aroclor 1262	ND		ug/l	0.083	0.029	1
Aroclor 1268	ND		ug/l	0.083	0.038	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	63		30-150
Decachlorobiphenyl	87		30-150
2,4,5,6-Tetrachloro-m-xylene	68		30-150
Decachlorobiphenyl	85		30-150

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-03
Client ID: FB
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/06/13 09:23
Analyst: KB

Date Collected: 08/02/13 14:00
Date Received: 08/02/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/05/13 15:13
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/05/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 08/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1
Aroclor 1262	ND		ug/l	0.083	0.029	1
Aroclor 1268	ND		ug/l	0.083	0.038	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	61		30-150
Decachlorobiphenyl	71		30-150
2,4,5,6-Tetrachloro-m-xylene	64		30-150
Decachlorobiphenyl	66		30-150

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 08/05/13 14:14
 Analyst: KB

Extraction Method: EPA 3510C
 Extraction Date: 08/05/13 10:43
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 08/05/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 08/05/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG626516-1					
Aroclor 1016	ND		ug/l	0.083	0.055
Aroclor 1221	ND		ug/l	0.083	0.053
Aroclor 1232	ND		ug/l	0.083	0.031
Aroclor 1242	ND		ug/l	0.083	0.060
Aroclor 1248	ND		ug/l	0.083	0.051
Aroclor 1254	ND		ug/l	0.083	0.034
Aroclor 1260	ND		ug/l	0.083	0.032
Aroclor 1262	ND		ug/l	0.083	0.029
Aroclor 1268	ND		ug/l	0.083	0.038

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	48		30-150
Decachlorobiphenyl	48		30-150
2,4,5,6-Tetrachloro-m-xylene	44		30-150
Decachlorobiphenyl	59		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB 1301

Lab Number: L1314810

Report Date: 08/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG626516-2 WG626516-3								
Aroclor 1016	55		59		40-140	8		50
Aroclor 1260	47		55		40-140	15		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	54		57		30-150
Decachlorobiphenyl	53		59		30-150
2,4,5,6-Tetrachloro-m-xylene	53		58		30-150
Decachlorobiphenyl	54		57		30-150

PESTICIDES

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-01
Client ID: OB003
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/06/13 18:09
Analyst: BW

Date Collected: 08/02/13 12:10
Date Received: 08/02/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/05/13 22:52
Cleanup Method1: EPA 3620B
Cleanup Date1: 08/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.020	0.005	1
Lindane	ND		ug/l	0.020	0.004	1
Alpha-BHC	ND		ug/l	0.020	0.004	1
Beta-BHC	ND		ug/l	0.020	0.006	1
Heptachlor	ND		ug/l	0.020	0.003	1
Aldrin	ND		ug/l	0.020	0.002	1
Heptachlor epoxide	ND		ug/l	0.020	0.004	1
Endrin	ND		ug/l	0.040	0.004	1
Endrin ketone	ND		ug/l	0.040	0.005	1
Dieldrin	ND		ug/l	0.040	0.004	1
4,4'-DDE	ND		ug/l	0.040	0.004	1
4,4'-DDD	ND		ug/l	0.040	0.005	1
4,4'-DDT	ND		ug/l	0.040	0.004	1
Endosulfan I	ND		ug/l	0.020	0.003	1
Endosulfan II	ND		ug/l	0.040	0.005	1
Endosulfan sulfate	ND		ug/l	0.040	0.005	1
Methoxychlor	ND		ug/l	0.200	0.007	1
Toxaphene	ND		ug/l	0.200	0.063	1
cis-Chlordane	ND		ug/l	0.020	0.007	1
trans-Chlordane	ND		ug/l	0.020	0.006	1
Chlordane	ND		ug/l	0.200	0.046	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-02
Client ID: MW004
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/06/13 18:35
Analyst: BW

Date Collected: 08/02/13 13:30
Date Received: 08/02/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/05/13 22:52
Cleanup Method1: EPA 3620B
Cleanup Date1: 08/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.020	0.005	1
Lindane	ND		ug/l	0.020	0.004	1
Alpha-BHC	ND		ug/l	0.020	0.004	1
Beta-BHC	ND		ug/l	0.020	0.006	1
Heptachlor	ND		ug/l	0.020	0.003	1
Aldrin	ND		ug/l	0.020	0.002	1
Heptachlor epoxide	ND		ug/l	0.020	0.004	1
Endrin	ND		ug/l	0.040	0.004	1
Endrin ketone	ND		ug/l	0.040	0.005	1
Dieldrin	ND		ug/l	0.040	0.004	1
4,4'-DDE	ND		ug/l	0.040	0.004	1
4,4'-DDD	ND		ug/l	0.040	0.005	1
4,4'-DDT	ND		ug/l	0.040	0.004	1
Endosulfan I	ND		ug/l	0.020	0.003	1
Endosulfan II	ND		ug/l	0.040	0.005	1
Endosulfan sulfate	ND		ug/l	0.040	0.005	1
Methoxychlor	ND		ug/l	0.200	0.007	1
Toxaphene	ND		ug/l	0.200	0.063	1
cis-Chlordane	ND		ug/l	0.020	0.007	1
trans-Chlordane	ND		ug/l	0.020	0.006	1
Chlordane	ND		ug/l	0.200	0.046	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	105		30-150	B

Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**SAMPLE RESULTS**

Lab ID: L1314810-03
Client ID: FB
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/06/13 18:47
Analyst: BW

Date Collected: 08/02/13 14:00
Date Received: 08/02/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/05/13 22:52
Cleanup Method1: EPA 3620B
Cleanup Date1: 08/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.020	0.005	1
Lindane	ND		ug/l	0.020	0.004	1
Alpha-BHC	ND		ug/l	0.020	0.004	1
Beta-BHC	ND		ug/l	0.020	0.006	1
Heptachlor	ND		ug/l	0.020	0.003	1
Aldrin	ND		ug/l	0.020	0.002	1
Heptachlor epoxide	ND		ug/l	0.020	0.004	1
Endrin	ND		ug/l	0.040	0.004	1
Endrin ketone	ND		ug/l	0.040	0.005	1
Dieldrin	ND		ug/l	0.040	0.004	1
4,4'-DDE	ND		ug/l	0.040	0.004	1
4,4'-DDD	ND		ug/l	0.040	0.005	1
4,4'-DDT	ND		ug/l	0.040	0.004	1
Endosulfan I	ND		ug/l	0.020	0.003	1
Endosulfan II	ND		ug/l	0.040	0.005	1
Endosulfan sulfate	ND		ug/l	0.040	0.005	1
Methoxychlor	ND		ug/l	0.200	0.007	1
Toxaphene	ND		ug/l	0.200	0.063	1
cis-Chlordane	ND		ug/l	0.020	0.007	1
trans-Chlordane	ND		ug/l	0.020	0.006	1
Chlordane	ND		ug/l	0.200	0.046	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 74 WALLABOUT ST.

Lab Number: L1314810

Project Number: RAB 1301

Report Date: 08/11/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 08/06/13 17:31
 Analyst: BW

Extraction Method: EPA 3510C
 Extraction Date: 08/05/13 22:52
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 08/06/13

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG626659-1					
Delta-BHC	ND		ug/l	0.020	0.005
Lindane	ND		ug/l	0.020	0.004
Alpha-BHC	ND		ug/l	0.020	0.004
Beta-BHC	ND		ug/l	0.020	0.006
Heptachlor	ND		ug/l	0.020	0.003
Aldrin	ND		ug/l	0.020	0.002
Heptachlor epoxide	ND		ug/l	0.020	0.004
Endrin	ND		ug/l	0.040	0.004
Endrin ketone	ND		ug/l	0.040	0.005
Dieldrin	ND		ug/l	0.040	0.004
4,4'-DDE	ND		ug/l	0.040	0.004
4,4'-DDD	ND		ug/l	0.040	0.005
4,4'-DDT	ND		ug/l	0.040	0.004
Endosulfan I	ND		ug/l	0.020	0.003
Endosulfan II	ND		ug/l	0.040	0.005
Endosulfan sulfate	ND		ug/l	0.040	0.005
Methoxychlor	ND		ug/l	0.200	0.007
Toxaphene	ND		ug/l	0.200	0.063
cis-Chlordane	ND		ug/l	0.020	0.007
trans-Chlordane	ND		ug/l	0.020	0.006
Chlordane	ND		ug/l	0.200	0.046

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	95		30-150	B

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 74 WALLABOUT ST.

Project Number: RAB 1301

Lab Number: L1314810

Report Date: 08/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG626659-2 WG626659-3								
Delta-BHC	68		75		30-150	9		20
Lindane	75		79		30-150	4		20
Alpha-BHC	77		81		30-150	5		20
Beta-BHC	71		75		30-150	6		20
Heptachlor	72		77		30-150	6		20
Aldrin	78		81		30-150	3		20
Heptachlor epoxide	75		85		30-150	12		20
Endrin	88		103		30-150	16		20
Endrin ketone	70		81		30-150	15		20
Dieldrin	81		95		30-150	17		20
4,4'-DDE	71		81		30-150	14		20
4,4'-DDD	72		85		30-150	17		20
4,4'-DDT	74		90		30-150	19		20
Endosulfan I	80		91		30-150	13		20
Endosulfan II	74		88		30-150	18		20
Endosulfan sulfate	67		80		30-150	18		20
Methoxychlor	61		75		30-150	22	Q	20
cis-Chlordane	74		81		30-150	10		20
trans-Chlordane	70		79		30-150	12		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 74 WALLABOUT ST.

Project Number: RAB 1301

Lab Number: L1314810

Report Date: 08/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG626659-2 WG626659-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		75		30-150	A
Decachlorobiphenyl	103		103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		50		30-150	B
Decachlorobiphenyl	98		89		30-150	B

METALS

Project Name: 74 WALLABOUT ST.

Lab Number: L1314810

Project Number: RAB 1301

Report Date: 08/11/13

SAMPLE RESULTS

Lab ID: L1314810-01

Date Collected: 08/02/13 12:10

Client ID: OB003

Date Received: 08/02/13

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	18.5		mg/l	1.00	0.200	100	08/05/13 08:49	08/10/13 13:59	EPA 3005A	1,6020A	AK
Antimony, Total	0.00153	J	mg/l	0.00200	0.00010	1	08/05/13 08:49	08/10/13 13:55	EPA 3005A	1,6020A	AK
Arsenic, Total	0.00893		mg/l	0.00150	0.00010	1	08/05/13 08:49	08/10/13 13:55	EPA 3005A	1,6020A	AK
Barium, Total	0.2766		mg/l	0.00050	0.00010	1	08/05/13 08:49	08/10/13 13:55	EPA 3005A	1,6020A	AK
Beryllium, Total	0.00109		mg/l	0.00050	0.00010	1	08/05/13 08:49	08/10/13 13:55	EPA 3005A	1,6020A	AK
Cadmium, Total	0.00012	J	mg/l	0.00050	0.00005	1	08/05/13 08:49	08/10/13 13:55	EPA 3005A	1,6020A	AK
Calcium, Total	81.2		mg/l	1.00	0.320	10	08/05/13 08:49	08/10/13 13:52	EPA 3005A	1,6020A	AK
Chromium, Total	0.06091		mg/l	0.00100	0.00020	1	08/05/13 08:49	08/10/13 13:55	EPA 3005A	1,6020A	AK
Cobalt, Total	0.02395		mg/l	0.00050	0.00010	1	08/05/13 08:49	08/10/13 13:55	EPA 3005A	1,6020A	AK
Copper, Total	0.04739		mg/l	0.00100	0.00010	1	08/05/13 08:49	08/10/13 13:55	EPA 3005A	1,6020A	AK
Iron, Total	56.6		mg/l	0.500	0.130	10	08/05/13 08:49	08/10/13 13:52	EPA 3005A	1,6020A	AK
Lead, Total	0.02312		mg/l	0.00100	0.00020	1	08/05/13 08:49	08/10/13 13:55	EPA 3005A	1,6020A	AK
Magnesium, Total	8.83		mg/l	0.100	0.0230	1	08/05/13 08:49	08/10/13 13:55	EPA 3005A	1,6020A	AK
Manganese, Total	0.9987		mg/l	0.00500	0.00100	10	08/05/13 08:49	08/10/13 13:52	EPA 3005A	1,6020A	AK
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/08/13 07:42	08/08/13 12:29	EPA 7470A	1,7470A	JH
Nickel, Total	0.04028		mg/l	0.00050	0.00010	1	08/05/13 08:49	08/10/13 13:55	EPA 3005A	1,6020A	AK
Potassium, Total	17.0		mg/l	0.100	0.0270	1	08/05/13 08:49	08/10/13 13:55	EPA 3005A	1,6020A	AK
Selenium, Total	0.00066	J	mg/l	0.00500	0.00030	1	08/05/13 08:49	08/10/13 13:55	EPA 3005A	1,6020A	AK
Silver, Total	ND		mg/l	0.00050	0.00010	1	08/05/13 08:49	08/10/13 13:55	EPA 3005A	1,6020A	AK
Sodium, Total	394.		mg/l	1.00	0.150	10	08/05/13 08:49	08/10/13 13:52	EPA 3005A	1,6020A	AK
Thallium, Total	0.00010	J	mg/l	0.00050	0.00003	1	08/05/13 08:49	08/10/13 13:55	EPA 3005A	1,6020A	AK
Vanadium, Total	0.07094		mg/l	0.00500	0.00010	1	08/05/13 08:49	08/10/13 13:55	EPA 3005A	1,6020A	AK
Zinc, Total	0.05469		mg/l	0.01500	0.00120	1	08/05/13 08:49	08/10/13 13:55	EPA 3005A	1,6020A	AK

Dissolved Metals - Westborough Lab

Aluminum, Dissolved	0.682		mg/l	0.100	0.0200	10	08/03/13 03:00	08/10/13 12:01	NA	1,6020A	AK
Antimony, Dissolved	0.00049	J	mg/l	0.00150	0.00010	1	08/03/13 03:00	08/10/13 12:08	NA	1,6020A	AK
Arsenic, Dissolved	0.00326		mg/l	0.00150	0.00020	1	08/03/13 03:00	08/10/13 12:08	NA	1,6020A	AK
Barium, Dissolved	0.1334		mg/l	0.00050	0.00010	1	08/03/13 03:00	08/10/13 12:08	NA	1,6020A	AK
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/03/13 03:00	08/10/13 12:08	NA	1,6020A	AK
Cadmium, Dissolved	ND		mg/l	0.00050	0.00005	1	08/03/13 03:00	08/10/13 12:08	NA	1,6020A	AK



Project Name: 74 WALLABOUT ST.

Lab Number: L1314810

Project Number: RAB 1301

Report Date: 08/11/13

SAMPLE RESULTS

Lab ID: L1314810-01

Date Collected: 08/02/13 12:10

Client ID: OB003

Date Received: 08/02/13

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	76.4		mg/l	1.00	0.320	10	08/03/13 03:00	08/10/13 12:01	NA	1,6020A	AK
Chromium, Dissolved	0.00210		mg/l	0.00100	0.00020	1	08/03/13 03:00	08/10/13 12:08	NA	1,6020A	AK
Cobalt, Dissolved	0.00143		mg/l	0.00050	0.00010	1	08/03/13 03:00	08/10/13 12:08	NA	1,6020A	AK
Copper, Dissolved	0.00227		mg/l	0.00100	0.00010	1	08/03/13 03:00	08/10/13 12:08	NA	1,6020A	AK
Iron, Dissolved	3.56		mg/l	0.0500	0.0130	1	08/03/13 03:00	08/10/13 12:08	NA	1,6020A	AK
Lead, Dissolved	0.00101		mg/l	0.00100	0.00020	1	08/03/13 03:00	08/10/13 12:08	NA	1,6020A	AK
Magnesium, Dissolved	4.94		mg/l	0.100	0.0230	1	08/03/13 03:00	08/10/13 12:08	NA	1,6020A	AK
Manganese, Dissolved	0.1398		mg/l	0.00050	0.00010	1	08/03/13 03:00	08/10/13 12:08	NA	1,6020A	AK
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/03/13 10:20	08/05/13 13:21	EPA 7470A	1,7470A	JH
Nickel, Dissolved	0.00215		mg/l	0.00050	0.00010	1	08/03/13 03:00	08/10/13 12:08	NA	1,6020A	AK
Potassium, Dissolved	15.8		mg/l	0.100	0.0270	1	08/03/13 03:00	08/10/13 12:08	NA	1,6020A	AK
Selenium, Dissolved	ND		mg/l	0.00500	0.00030	1	08/03/13 03:00	08/10/13 12:08	NA	1,6020A	AK
Silver, Dissolved	ND		mg/l	0.00050	0.00010	1	08/03/13 03:00	08/10/13 12:08	NA	1,6020A	AK
Sodium, Dissolved	401.		mg/l	1.00	0.150	10	08/03/13 03:00	08/10/13 12:01	NA	1,6020A	AK
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	08/03/13 03:00	08/10/13 12:08	NA	1,6020A	AK
Vanadium, Dissolved	0.00295	J	mg/l	0.00500	0.00010	1	08/03/13 03:00	08/10/13 12:08	NA	1,6020A	AK
Zinc, Dissolved	0.00507	J	mg/l	0.01000	0.00120	1	08/03/13 03:00	08/10/13 12:08	NA	1,6020A	AK



Project Name: 74 WALLABOUT ST.

Lab Number: L1314810

Project Number: RAB 1301

Report Date: 08/11/13

SAMPLE RESULTS

Lab ID: L1314810-02

Date Collected: 08/02/13 13:30

Client ID: MW004

Date Received: 08/02/13

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.0464		mg/l	0.0100	0.00200	1	08/05/13 08:49	08/10/13 14:06	EPA 3005A	1,6020A	AK
Antimony, Total	0.00679		mg/l	0.00200	0.00010	1	08/05/13 08:49	08/10/13 14:06	EPA 3005A	1,6020A	AK
Arsenic, Total	ND		mg/l	0.00150	0.00010	1	08/05/13 08:49	08/10/13 14:06	EPA 3005A	1,6020A	AK
Barium, Total	0.08255		mg/l	0.00050	0.00010	1	08/05/13 08:49	08/10/13 14:06	EPA 3005A	1,6020A	AK
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/05/13 08:49	08/10/13 14:06	EPA 3005A	1,6020A	AK
Cadmium, Total	0.00007	J	mg/l	0.00050	0.00005	1	08/05/13 08:49	08/10/13 14:06	EPA 3005A	1,6020A	AK
Calcium, Total	122.		mg/l	1.00	0.320	10	08/05/13 08:49	08/10/13 14:02	EPA 3005A	1,6020A	AK
Chromium, Total	0.00058	J	mg/l	0.00100	0.00020	1	08/05/13 08:49	08/10/13 14:06	EPA 3005A	1,6020A	AK
Cobalt, Total	0.00094		mg/l	0.00050	0.00010	1	08/05/13 08:49	08/10/13 14:06	EPA 3005A	1,6020A	AK
Copper, Total	0.00533		mg/l	0.00100	0.00010	1	08/05/13 08:49	08/10/13 14:06	EPA 3005A	1,6020A	AK
Iron, Total	0.216		mg/l	0.0500	0.0130	1	08/05/13 08:49	08/10/13 14:06	EPA 3005A	1,6020A	AK
Lead, Total	0.00124		mg/l	0.00100	0.00020	1	08/05/13 08:49	08/10/13 14:06	EPA 3005A	1,6020A	AK
Magnesium, Total	7.64		mg/l	0.100	0.0230	1	08/05/13 08:49	08/10/13 14:06	EPA 3005A	1,6020A	AK
Manganese, Total	0.1972		mg/l	0.00050	0.00010	1	08/05/13 08:49	08/10/13 14:06	EPA 3005A	1,6020A	AK
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/08/13 07:42	08/08/13 12:48	EPA 7470A	1,7470A	JH
Nickel, Total	0.00348		mg/l	0.00050	0.00010	1	08/05/13 08:49	08/10/13 14:06	EPA 3005A	1,6020A	AK
Potassium, Total	9.68		mg/l	0.100	0.0270	1	08/05/13 08:49	08/10/13 14:06	EPA 3005A	1,6020A	AK
Selenium, Total	0.00122	J	mg/l	0.00500	0.00030	1	08/05/13 08:49	08/10/13 14:06	EPA 3005A	1,6020A	AK
Silver, Total	ND		mg/l	0.00050	0.00010	1	08/05/13 08:49	08/10/13 14:06	EPA 3005A	1,6020A	AK
Sodium, Total	53.2		mg/l	1.00	0.150	10	08/05/13 08:49	08/10/13 14:02	EPA 3005A	1,6020A	AK
Thallium, Total	ND		mg/l	0.00050	0.00003	1	08/05/13 08:49	08/10/13 14:06	EPA 3005A	1,6020A	AK
Vanadium, Total	0.00159	J	mg/l	0.00500	0.00010	1	08/05/13 08:49	08/10/13 14:06	EPA 3005A	1,6020A	AK
Zinc, Total	0.02955		mg/l	0.01500	0.00120	1	08/05/13 08:49	08/10/13 14:06	EPA 3005A	1,6020A	AK
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.00880	J	mg/l	0.0100	0.00200	1	08/03/13 03:00	08/10/13 12:54	NA	1,6020A	AK
Antimony, Dissolved	0.00868		mg/l	0.00150	0.00010	1	08/03/13 03:00	08/10/13 12:54	NA	1,6020A	AK
Arsenic, Dissolved	ND		mg/l	0.00150	0.00020	1	08/03/13 03:00	08/10/13 12:54	NA	1,6020A	AK
Barium, Dissolved	0.07400		mg/l	0.00050	0.00010	1	08/03/13 03:00	08/10/13 12:54	NA	1,6020A	AK
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/03/13 03:00	08/10/13 12:54	NA	1,6020A	AK
Cadmium, Dissolved	0.00006	J	mg/l	0.00050	0.00005	1	08/03/13 03:00	08/10/13 12:54	NA	1,6020A	AK



Project Name: 74 WALLABOUT ST.

Lab Number: L1314810

Project Number: RAB 1301

Report Date: 08/11/13

SAMPLE RESULTS

Lab ID: L1314810-02

Date Collected: 08/02/13 13:30

Client ID: MW004

Date Received: 08/02/13

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	112.		mg/l	1.00	0.320	10	08/03/13 03:00	08/10/13 12:36	NA	1,6020A	AK
Chromium, Dissolved	0.00041	J	mg/l	0.00100	0.00020	1	08/03/13 03:00	08/10/13 12:54	NA	1,6020A	AK
Cobalt, Dissolved	0.00085		mg/l	0.00050	0.00010	1	08/03/13 03:00	08/10/13 12:54	NA	1,6020A	AK
Copper, Dissolved	0.00431		mg/l	0.00100	0.00010	1	08/03/13 03:00	08/10/13 12:54	NA	1,6020A	AK
Iron, Dissolved	0.0866		mg/l	0.0500	0.0130	1	08/03/13 03:00	08/10/13 12:54	NA	1,6020A	AK
Lead, Dissolved	0.00042	J	mg/l	0.00100	0.00020	1	08/03/13 03:00	08/10/13 12:54	NA	1,6020A	AK
Magnesium, Dissolved	6.72		mg/l	0.100	0.0230	1	08/03/13 03:00	08/10/13 12:54	NA	1,6020A	AK
Manganese, Dissolved	0.1806		mg/l	0.00050	0.00010	1	08/03/13 03:00	08/10/13 12:54	NA	1,6020A	AK
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/03/13 10:20	08/05/13 13:23	EPA 7470A	1,7470A	JH
Nickel, Dissolved	0.00292		mg/l	0.00050	0.00010	1	08/03/13 03:00	08/10/13 12:54	NA	1,6020A	AK
Potassium, Dissolved	8.62		mg/l	0.100	0.0270	1	08/03/13 03:00	08/10/13 12:54	NA	1,6020A	AK
Selenium, Dissolved	0.00126	J	mg/l	0.00500	0.00030	1	08/03/13 03:00	08/10/13 12:54	NA	1,6020A	AK
Silver, Dissolved	ND		mg/l	0.00050	0.00010	1	08/03/13 03:00	08/10/13 12:54	NA	1,6020A	AK
Sodium, Dissolved	52.3		mg/l	1.00	0.150	10	08/03/13 03:00	08/10/13 12:36	NA	1,6020A	AK
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	08/03/13 03:00	08/10/13 12:54	NA	1,6020A	AK
Vanadium, Dissolved	0.00130	J	mg/l	0.00500	0.00010	1	08/03/13 03:00	08/10/13 12:54	NA	1,6020A	AK
Zinc, Dissolved	0.02441		mg/l	0.01000	0.00120	1	08/03/13 03:00	08/10/13 12:54	NA	1,6020A	AK



Project Name: 74 WALLABOUT ST.

Lab Number: L1314810

Project Number: RAB 1301

Report Date: 08/11/13

SAMPLE RESULTS

Lab ID: L1314810-03

Date Collected: 08/02/13 14:00

Client ID: FB

Date Received: 08/02/13

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	08/05/13 08:49	08/10/13 13:06	EPA 3005A	1,6020A	AK
Antimony, Total	0.00155	J	mg/l	0.00200	0.00010	1	08/05/13 08:49	08/10/13 13:06	EPA 3005A	1,6020A	AK
Arsenic, Total	ND		mg/l	0.00150	0.00010	1	08/05/13 08:49	08/10/13 13:06	EPA 3005A	1,6020A	AK
Barium, Total	ND		mg/l	0.00050	0.00010	1	08/05/13 08:49	08/10/13 13:06	EPA 3005A	1,6020A	AK
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/05/13 08:49	08/10/13 13:06	EPA 3005A	1,6020A	AK
Cadmium, Total	ND		mg/l	0.00050	0.00005	1	08/05/13 08:49	08/10/13 13:06	EPA 3005A	1,6020A	AK
Calcium, Total	ND		mg/l	0.100	0.0320	1	08/05/13 08:49	08/10/13 13:06	EPA 3005A	1,6020A	AK
Chromium, Total	ND		mg/l	0.00100	0.00020	1	08/05/13 08:49	08/10/13 13:06	EPA 3005A	1,6020A	AK
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	08/05/13 08:49	08/10/13 13:06	EPA 3005A	1,6020A	AK
Copper, Total	ND		mg/l	0.00100	0.00010	1	08/05/13 08:49	08/10/13 13:06	EPA 3005A	1,6020A	AK
Iron, Total	ND		mg/l	0.0500	0.0130	1	08/05/13 08:49	08/10/13 13:06	EPA 3005A	1,6020A	AK
Lead, Total	ND		mg/l	0.00100	0.00020	1	08/05/13 08:49	08/10/13 13:06	EPA 3005A	1,6020A	AK
Magnesium, Total	ND		mg/l	0.100	0.0230	1	08/05/13 08:49	08/10/13 13:06	EPA 3005A	1,6020A	AK
Manganese, Total	ND		mg/l	0.00050	0.00010	1	08/05/13 08:49	08/10/13 13:06	EPA 3005A	1,6020A	AK
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/08/13 07:42	08/08/13 12:50	EPA 7470A	1,7470A	JH
Nickel, Total	ND		mg/l	0.00050	0.00010	1	08/05/13 08:49	08/10/13 13:06	EPA 3005A	1,6020A	AK
Potassium, Total	ND		mg/l	0.100	0.0270	1	08/05/13 08:49	08/10/13 13:06	EPA 3005A	1,6020A	AK
Selenium, Total	ND		mg/l	0.00500	0.00030	1	08/05/13 08:49	08/10/13 13:06	EPA 3005A	1,6020A	AK
Silver, Total	ND		mg/l	0.00050	0.00010	1	08/05/13 08:49	08/10/13 13:06	EPA 3005A	1,6020A	AK
Sodium, Total	ND		mg/l	0.100	0.0150	1	08/05/13 08:49	08/10/13 13:06	EPA 3005A	1,6020A	AK
Thallium, Total	ND		mg/l	0.00050	0.00003	1	08/05/13 08:49	08/10/13 13:06	EPA 3005A	1,6020A	AK
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	08/05/13 08:49	08/10/13 13:06	EPA 3005A	1,6020A	AK
Zinc, Total	0.00175	J	mg/l	0.01500	0.00120	1	08/05/13 08:49	08/10/13 13:06	EPA 3005A	1,6020A	AK
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00200	1	08/03/13 03:00	08/10/13 11:54	NA	1,6020A	AK
Antimony, Dissolved	0.00082	J	mg/l	0.00150	0.00010	1	08/03/13 03:00	08/10/13 11:54	NA	1,6020A	AK
Arsenic, Dissolved	ND		mg/l	0.00150	0.00020	1	08/03/13 03:00	08/10/13 11:54	NA	1,6020A	AK
Barium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/03/13 03:00	08/10/13 11:54	NA	1,6020A	AK
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/03/13 03:00	08/10/13 11:54	NA	1,6020A	AK
Cadmium, Dissolved	ND		mg/l	0.00050	0.00005	1	08/03/13 03:00	08/10/13 11:54	NA	1,6020A	AK



Project Name: 74 WALLABOUT ST.

Lab Number: L1314810

Project Number: RAB 1301

Report Date: 08/11/13

SAMPLE RESULTS

Lab ID: L1314810-03

Date Collected: 08/02/13 14:00

Client ID: FB

Date Received: 08/02/13

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	ND		mg/l	0.100	0.0320	1	08/03/13 03:00	08/10/13 11:54	NA	1,6020A	AK
Chromium, Dissolved	0.00038	J	mg/l	0.00100	0.00020	1	08/03/13 03:00	08/10/13 11:54	NA	1,6020A	AK
Cobalt, Dissolved	ND		mg/l	0.00050	0.00010	1	08/03/13 03:00	08/10/13 11:54	NA	1,6020A	AK
Copper, Dissolved	ND		mg/l	0.00100	0.00010	1	08/03/13 03:00	08/10/13 11:54	NA	1,6020A	AK
Iron, Dissolved	0.0157	J	mg/l	0.0500	0.0130	1	08/03/13 03:00	08/10/13 11:54	NA	1,6020A	AK
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	08/03/13 03:00	08/10/13 11:54	NA	1,6020A	AK
Magnesium, Dissolved	ND		mg/l	0.100	0.0230	1	08/03/13 03:00	08/10/13 11:54	NA	1,6020A	AK
Manganese, Dissolved	0.00014	J	mg/l	0.00050	0.00010	1	08/03/13 03:00	08/10/13 11:54	NA	1,6020A	AK
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/03/13 10:20	08/05/13 13:25	EPA 7470A	1,7470A	JH
Nickel, Dissolved	ND		mg/l	0.00050	0.00010	1	08/03/13 03:00	08/10/13 11:54	NA	1,6020A	AK
Potassium, Dissolved	ND		mg/l	0.100	0.0270	1	08/03/13 03:00	08/10/13 11:54	NA	1,6020A	AK
Selenium, Dissolved	ND		mg/l	0.00500	0.00030	1	08/03/13 03:00	08/10/13 11:54	NA	1,6020A	AK
Silver, Dissolved	ND		mg/l	0.00050	0.00010	1	08/03/13 03:00	08/10/13 11:54	NA	1,6020A	AK
Sodium, Dissolved	0.0243	J	mg/l	0.100	0.0150	1	08/03/13 03:00	08/10/13 11:54	NA	1,6020A	AK
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	08/03/13 03:00	08/10/13 11:54	NA	1,6020A	AK
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	08/03/13 03:00	08/10/13 11:54	NA	1,6020A	AK
Zinc, Dissolved	ND		mg/l	0.01000	0.00120	1	08/03/13 03:00	08/10/13 11:54	NA	1,6020A	AK



Project Name: 74 WALLABOUT ST.

Lab Number: L1314810

Project Number: RAB 1301

Report Date: 08/11/13

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-03 Batch: WG626353-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/03/13 10:20	08/05/13 12:34	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG626445-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	08/05/13 08:49	08/10/13 13:02	1,6020A	AK
Antimony, Total	0.00152	J	mg/l	0.00200	0.00010	1	08/05/13 08:49	08/10/13 13:02	1,6020A	AK
Arsenic, Total	ND		mg/l	0.00150	0.00010	1	08/05/13 08:49	08/10/13 13:02	1,6020A	AK
Barium, Total	ND		mg/l	0.00050	0.00010	1	08/05/13 08:49	08/10/13 13:02	1,6020A	AK
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/05/13 08:49	08/10/13 13:02	1,6020A	AK
Cadmium, Total	ND		mg/l	0.00050	0.00005	1	08/05/13 08:49	08/10/13 13:02	1,6020A	AK
Calcium, Total	0.0678	J	mg/l	0.100	0.0320	1	08/05/13 08:49	08/10/13 13:02	1,6020A	AK
Chromium, Total	ND		mg/l	0.00100	0.00020	1	08/05/13 08:49	08/10/13 13:02	1,6020A	AK
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	08/05/13 08:49	08/10/13 13:02	1,6020A	AK
Copper, Total	ND		mg/l	0.00100	0.00010	1	08/05/13 08:49	08/10/13 13:02	1,6020A	AK
Iron, Total	0.0142	J	mg/l	0.0500	0.0130	1	08/05/13 08:49	08/10/13 13:02	1,6020A	AK
Lead, Total	ND		mg/l	0.00100	0.00020	1	08/05/13 08:49	08/10/13 13:02	1,6020A	AK
Magnesium, Total	ND		mg/l	0.100	0.0230	1	08/05/13 08:49	08/10/13 13:02	1,6020A	AK
Manganese, Total	0.00012	J	mg/l	0.00050	0.00010	1	08/05/13 08:49	08/10/13 13:02	1,6020A	AK
Nickel, Total	ND		mg/l	0.00050	0.00010	1	08/05/13 08:49	08/10/13 13:02	1,6020A	AK
Potassium, Total	ND		mg/l	0.100	0.0270	1	08/05/13 08:49	08/10/13 13:02	1,6020A	AK
Selenium, Total	ND		mg/l	0.00500	0.00030	1	08/05/13 08:49	08/10/13 13:02	1,6020A	AK
Silver, Total	ND		mg/l	0.00050	0.00010	1	08/05/13 08:49	08/10/13 13:02	1,6020A	AK
Sodium, Total	ND		mg/l	0.100	0.0150	1	08/05/13 08:49	08/10/13 13:02	1,6020A	AK
Thallium, Total	ND		mg/l	0.00050	0.00003	1	08/05/13 08:49	08/10/13 13:02	1,6020A	AK
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	08/05/13 08:49	08/10/13 13:02	1,6020A	AK
Zinc, Total	0.01192	J	mg/l	0.01500	0.00120	1	08/05/13 08:49	08/10/13 13:02	1,6020A	AK

Project Name: 74 WALLABOUT ST.

Lab Number: L1314810

Project Number: RAB 1301

Report Date: 08/11/13

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-03 Batch: WG627084-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00200	1	08/03/13 03:00	08/10/13 11:50	1,6020A	AK
Antimony, Dissolved	0.00119	J	mg/l	0.00150	0.00010	1	08/03/13 03:00	08/10/13 11:50	1,6020A	AK
Arsenic, Dissolved	ND		mg/l	0.00150	0.00020	1	08/03/13 03:00	08/10/13 11:50	1,6020A	AK
Barium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/03/13 03:00	08/10/13 11:50	1,6020A	AK
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/03/13 03:00	08/10/13 11:50	1,6020A	AK
Cadmium, Dissolved	ND		mg/l	0.00050	0.00005	1	08/03/13 03:00	08/10/13 11:50	1,6020A	AK
Calcium, Dissolved	ND		mg/l	0.100	0.0320	1	08/03/13 03:00	08/10/13 11:50	1,6020A	AK
Chromium, Dissolved	0.00024	J	mg/l	0.00100	0.00020	1	08/03/13 03:00	08/10/13 11:50	1,6020A	AK
Cobalt, Dissolved	ND		mg/l	0.00050	0.00010	1	08/03/13 03:00	08/10/13 11:50	1,6020A	AK
Copper, Dissolved	ND		mg/l	0.00100	0.00010	1	08/03/13 03:00	08/10/13 11:50	1,6020A	AK
Iron, Dissolved	0.0141	J	mg/l	0.0500	0.0130	1	08/03/13 03:00	08/10/13 11:50	1,6020A	AK
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	08/03/13 03:00	08/10/13 11:50	1,6020A	AK
Magnesium, Dissolved	ND		mg/l	0.100	0.0230	1	08/03/13 03:00	08/10/13 11:50	1,6020A	AK
Manganese, Dissolved	ND		mg/l	0.00050	0.00010	1	08/03/13 03:00	08/10/13 11:50	1,6020A	AK
Nickel, Dissolved	ND		mg/l	0.00050	0.00010	1	08/03/13 03:00	08/10/13 11:50	1,6020A	AK
Potassium, Dissolved	0.0654	J	mg/l	0.100	0.0270	1	08/03/13 03:00	08/10/13 11:50	1,6020A	AK
Selenium, Dissolved	ND		mg/l	0.00500	0.00030	1	08/03/13 03:00	08/10/13 11:50	1,6020A	AK
Silver, Dissolved	ND		mg/l	0.00050	0.00010	1	08/03/13 03:00	08/10/13 11:50	1,6020A	AK
Sodium, Dissolved	0.0416	J	mg/l	0.100	0.0150	1	08/03/13 03:00	08/10/13 11:50	1,6020A	AK
Thallium, Dissolved	0.00003	J	mg/l	0.00050	0.00003	1	08/03/13 03:00	08/10/13 11:50	1,6020A	AK
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	08/03/13 03:00	08/10/13 11:50	1,6020A	AK
Zinc, Dissolved	0.00173	J	mg/l	0.01000	0.00120	1	08/03/13 03:00	08/10/13 11:50	1,6020A	AK

Prep Information

Digestion Method: NA



Project Name: 74 WALLABOUT ST.

Lab Number: L1314810

Project Number: RAB 1301

Report Date: 08/11/13

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG627379-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/08/13 07:42	08/08/13 12:25	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 74 WALLABOUT ST.**Project Number:** RAB 1301**Lab Number:** L1314810**Report Date:** 08/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG626353-2								
Mercury, Dissolved	92		-		70-130	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB 1301

Lab Number: L1314810

Report Date: 08/11/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG626445-2					
Aluminum, Total	96	-	80-120	-	
Antimony, Total	84	-	80-120	-	
Arsenic, Total	87	-	80-120	-	
Barium, Total	96	-	80-120	-	
Beryllium, Total	91	-	80-120	-	
Cadmium, Total	104	-	80-120	-	
Calcium, Total	103	-	80-120	-	
Chromium, Total	94	-	80-120	-	
Cobalt, Total	97	-	80-120	-	
Copper, Total	98	-	80-120	-	
Iron, Total	100	-	80-120	-	
Lead, Total	102	-	80-120	-	
Magnesium, Total	94	-	80-120	-	
Manganese, Total	96	-	80-120	-	
Nickel, Total	97	-	80-120	-	
Potassium, Total	97	-	80-120	-	
Selenium, Total	105	-	80-120	-	
Silver, Total	98	-	80-120	-	
Sodium, Total	89	-	80-120	-	
Thallium, Total	93	-	80-120	-	
Vanadium, Total	100	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 74 WALLABOUT ST.**Project Number:** RAB 1301**Lab Number:** L1314810**Report Date:** 08/11/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG626445-2					
Zinc, Total	106	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB 1301

Lab Number: L1314810

Report Date: 08/11/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG627084-2					
Aluminum, Dissolved	98	-	80-120	-	
Antimony, Dissolved	94	-	80-120	-	
Arsenic, Dissolved	82	-	80-120	-	
Barium, Dissolved	95	-	80-120	-	
Beryllium, Dissolved	91	-	80-120	-	
Cadmium, Dissolved	106	-	80-120	-	
Calcium, Dissolved	101	-	80-120	-	
Chromium, Dissolved	92	-	80-120	-	
Cobalt, Dissolved	95	-	80-120	-	
Copper, Dissolved	96	-	80-120	-	
Iron, Dissolved	96	-	80-120	-	
Lead, Dissolved	101	-	80-120	-	
Magnesium, Dissolved	96	-	80-120	-	
Manganese, Dissolved	93	-	80-120	-	
Nickel, Dissolved	94	-	80-120	-	
Potassium, Dissolved	91	-	80-120	-	
Selenium, Dissolved	106	-	80-120	-	
Silver, Dissolved	96	-	80-120	-	
Sodium, Dissolved	100	-	80-120	-	
Thallium, Dissolved	92	-	80-120	-	
Vanadium, Dissolved	100	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB 1301

Lab Number: L1314810

Report Date: 08/11/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG627084-2					
Zinc, Dissolved	102	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG627379-2					
Mercury, Total	89	-	80-120	-	

Matrix Spike Analysis Batch Quality Control

Project Name: 74 WALLABOUT ST.

Lab Number: L1314810

Project Number: RAB 1301

Report Date: 08/11/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG626353-4 QC Sample: L1314506-01 Client ID: MS Sample												
Mercury, Dissolved	ND	0.005	0.00563	113		-	-		70-130	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.
Project Number: RAB 1301

Lab Number: L1314810
Report Date: 08/11/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG626445-4 QC Sample: L1314615-12 Client ID: MS Sample									
Aluminum, Total	ND	2	1.94	97	-	-	80-120	-	20
Antimony, Total	ND	0.5	0.4586	92	-	-	80-120	-	20
Arsenic, Total	ND	0.12	0.1029	86	-	-	80-120	-	20
Barium, Total	0.02722	2	1.973	97	-	-	80-120	-	20
Beryllium, Total	ND	0.05	0.04650	93	-	-	80-120	-	20
Cadmium, Total	ND	0.051	0.05411	106	-	-	80-120	-	20
Calcium, Total	131.	10	147	160	Q	-	80-120	-	20
Chromium, Total	ND	0.2	0.1932	97	-	-	80-120	-	20
Cobalt, Total	0.00257J	0.5	0.4928	98	-	-	80-120	-	20
Copper, Total	0.00107J	0.25	0.2490	100	-	-	80-120	-	20
Iron, Total	ND	1	1.03	103	-	-	80-120	-	20
Lead, Total	ND	0.51	0.5251	103	-	-	80-120	-	20
Magnesium, Total	15.6	10	25.7	101	-	-	80-120	-	20
Manganese, Total	0.8552	0.5	1.379	105	-	-	80-120	-	20
Nickel, Total	0.00170J	0.5	0.4824	96	-	-	80-120	-	20
Potassium, Total	5.20	10	8.38	32	Q	-	80-120	-	20
Selenium, Total	ND	0.12	0.128	107	-	-	80-120	-	20
Silver, Total	ND	0.05	0.04849	97	-	-	80-120	-	20
Sodium, Total	143.	10	154	110	-	-	80-120	-	20
Thallium, Total	ND	0.12	0.1136	95	-	-	80-120	-	20
Vanadium, Total	ND	0.5	0.5319	106	-	-	80-120	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB 1301

Lab Number: L1314810

Report Date: 08/11/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG626445-4 QC Sample: L1314615-12 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.5316	106	-	-	80-120	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 74 WALLABOUT ST.

Project Number: RAB 1301

Lab Number: L1314810

Report Date: 08/11/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG627084-4 QC Sample: L1314810-01 Client ID: OB003									
Aluminum, Dissolved	0.682	2	2.96	114	-	-	80-120	-	20
Antimony, Dissolved	0.00049J	0.5	0.4060	81	-	-	80-120	-	20
Arsenic, Dissolved	0.00326	0.12	0.1042	84	-	-	80-120	-	20
Barium, Dissolved	0.1334	2	1.979	92	-	-	80-120	-	20
Beryllium, Dissolved	ND	0.05	0.04546	91	-	-	80-120	-	20
Cadmium, Dissolved	ND	0.051	0.05282	104	-	-	80-120	-	20
Calcium, Dissolved	76.4	10	82.6	62	Q	-	80-120	-	20
Chromium, Dissolved	0.00210	0.2	0.1833	90	-	-	80-120	-	20
Cobalt, Dissolved	0.00143	0.5	0.4587	91	-	-	80-120	-	20
Copper, Dissolved	0.00227	0.25	0.2372	94	-	-	80-120	-	20
Iron, Dissolved	3.56	1	4.37	81	-	-	80-120	-	20
Lead, Dissolved	0.00101	0.51	0.5070	99	-	-	80-120	-	20
Magnesium, Dissolved	4.94	10	13.8	89	-	-	80-120	-	20
Manganese, Dissolved	0.1398	0.5	0.5888	90	-	-	80-120	-	20
Nickel, Dissolved	0.00215	0.5	0.4596	91	-	-	80-120	-	20
Potassium, Dissolved	15.8	10	11.4	0	Q	-	80-120	-	20
Selenium, Dissolved	ND	0.12	0.117	98	-	-	80-120	-	20
Silver, Dissolved	ND	0.05	0.04625	92	-	-	80-120	-	20
Sodium, Dissolved	401.	10	394	0	Q	-	80-120	-	20
Thallium, Dissolved	ND	0.12	0.1071	89	-	-	80-120	-	20
Vanadium, Dissolved	0.00295J	0.5	0.5039	101	-	-	80-120	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Lab Number: L1314810

Project Number: RAB 1301

Report Date: 08/11/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG627084-4 QC Sample: L1314810-01 Client ID: OB003									
Zinc, Dissolved	0.00507J	0.5	0.5037	101	-	-	80-120	-	20
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG627379-4 QC Sample: L1314615-17 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00558	112	-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 74 WALLABOUT ST.
Project Number: RAB 1301

Lab Number: L1314810
Report Date: 08/11/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG626353-3 QC Sample: L1314506-01 Client ID: DUP Sample						
Mercury, Dissolved	ND	ND	mg/l	NC		20

Project Name: 74 WALLABOUT ST.
Project Number: RAB 1301

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1314810
Report Date: 08/11/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG626445-3 QC Sample: L1314615-12 Client ID: DUP Sample					
Aluminum, Total	ND	ND	mg/l	NC	20
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	ND	ND	mg/l	NC	20
Barium, Total	0.02722	0.02577	mg/l	5	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	131.	130.	mg/l	1	20
Chromium, Total	ND	ND	mg/l	NC	20
Cobalt, Total	0.00257J	0.00270J	mg/l	NC	20
Copper, Total	0.00107J	0.00154J	mg/l	NC	20
Iron, Total	ND	ND	mg/l	NC	20
Lead, Total	ND	ND	mg/l	NC	20
Magnesium, Total	15.6	15.4	mg/l	1	20
Manganese, Total	0.8552	0.8567	mg/l	0	20
Nickel, Total	0.00170J	0.00135J	mg/l	NC	20
Potassium, Total	5.20	5.03	mg/l	3	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	143.	141.	mg/l	1	20

Project Name: 74 WALLABOUT ST.
Project Number: RAB 1301

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1314810
Report Date: 08/11/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG626445-3 QC Sample: L1314615-12 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	ND	ND	mg/l	NC	20
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG627084-3 QC Sample: L1314810-01 Client ID: OB003					
Aluminum, Dissolved	0.682	0.710	mg/l	4	20
Calcium, Dissolved	76.4	76.2	mg/l	0	20
Sodium, Dissolved	401.	405.	mg/l	1	20

Lab Duplicate Analysis Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB 1301

Lab Number: L1314810

Report Date: 08/11/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG627084-3 QC Sample: L1314810-01 Client ID: OB003					
Antimony, Dissolved	0.00049J	0.00050J	mg/l	NC	20
Arsenic, Dissolved	0.00326	0.00337	mg/l	3	20
Barium, Dissolved	0.1334	0.1323	mg/l	1	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Chromium, Dissolved	0.00210	0.00211	mg/l	0	20
Cobalt, Dissolved	0.00143	0.00148	mg/l	4	20
Copper, Dissolved	0.00227	0.00234	mg/l	3	20
Iron, Dissolved	3.56	3.55	mg/l	0	20
Lead, Dissolved	0.00101	0.00104	mg/l	3	20
Magnesium, Dissolved	4.94	4.99	mg/l	1	20
Manganese, Dissolved	0.1398	0.1365	mg/l	2	20
Nickel, Dissolved	0.00215	0.00203	mg/l	5	20
Potassium, Dissolved	15.8	16.0	mg/l	1	20
Selenium, Dissolved	ND	ND	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	0.00295J	0.00281J	mg/l	NC	20
Zinc, Dissolved	0.00507J	0.00514J	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control**Project Name:** 74 WALLABOUT ST.**Project Number:** RAB 1301**Lab Number:** L1314810**Report Date:** 08/11/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG627379-3 QC Sample: L1314615-17 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

Project Name: 74 WALLABOUT ST.

Project Number: RAB 1301

Lab Number: L1314810

Report Date: 08/11/13

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

B Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1314810-01A	Vial HCl preserved	B	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1314810-01B	Vial HCl preserved	B	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1314810-01C	Vial HCl preserved	B	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1314810-01D	Amber 1000ml unpreserved	B	7	3.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1314810-01E	Amber 1000ml unpreserved	B	7	3.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1314810-01F	Amber 1000ml unpreserved	B	7	3.9	Y	Absent	NYTCL-8082-1200ML(7)
L1314810-01G	Amber 1000ml unpreserved	B	7	3.9	Y	Absent	NYTCL-8082-1200ML(7)
L1314810-01H	Amber 500ml unpreserved	B	7	3.9	Y	Absent	NYTCL-8081(7)
L1314810-01I	Amber 500ml unpreserved	B	7	3.9	Y	Absent	NYTCL-8081(7)
L1314810-01J	Plastic 500ml HNO3 preserved	B	<2	3.9	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1314810-01K	Plastic 500ml unpreserved	B	7	3.9	Y	Absent	FILTER-MET(1)
L1314810-01X	Plastic 500ml HNO3 preserved spl	B	<2	3.9	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)

*Values in parentheses indicate holding time in days



Project Name: 74 WALLABOUT ST.

Project Number: RAB 1301

Lab Number: L1314810

Report Date: 08/11/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1314810-02A	Vial HCl preserved	B	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1314810-02B	Vial HCl preserved	B	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1314810-02C	Vial HCl preserved	B	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1314810-02D	Amber 1000ml unpreserved	B	7	3.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1314810-02E	Amber 1000ml unpreserved	B	7	3.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1314810-02F	Amber 1000ml unpreserved	B	7	3.9	Y	Absent	NYTCL-8082-1200ML(7)
L1314810-02G	Amber 1000ml unpreserved	B	7	3.9	Y	Absent	NYTCL-8082-1200ML(7)
L1314810-02H	Amber 500ml unpreserved	B	7	3.9	Y	Absent	NYTCL-8081(7)
L1314810-02I	Amber 500ml unpreserved	B	7	3.9	Y	Absent	NYTCL-8081(7)
L1314810-02J	Plastic 500ml HNO3 preserved	B	<2	3.9	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1314810-02K	Plastic 500ml unpreserved	B	7	3.9	Y	Absent	FILTER-MET(1)
L1314810-02X	Plastic 500ml HNO3 preserved spl	B	<2	3.9	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1314810-03A	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1314810-03B	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1314810-03C	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1314810-03D	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1314810-03E	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1314810-03F	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8082-1200ML(7)
L1314810-03G	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8082-1200ML(7)
L1314810-03H	Amber 500ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8081(7)
L1314810-03I	Amber 500ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8081(7)

*Values in parentheses indicate holding time in days



Project Name: 74 WALLABOUT ST.

Project Number: RAB 1301

Lab Number: L1314810

Report Date: 08/11/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1314810-03J	Plastic 500ml HNO3 preserved	A	<2	2.2	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1314810-03K	Plastic 500ml unpreserved	A	7	2.2	Y	Absent	FILTER-MET(1)
L1314810-03X	Plastic 500ml HNO3 preserved spl	A	<2	2.2	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1314810-04A	Vial HCl preserved	B	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1314810-04B	Vial HCl preserved	B	N/A	3.9	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 74 WALLABOUT ST.
Project Number: RAB 1301

Lab Number: L1314810
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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

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 five times (5x) 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.
- 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.

Report Format: DU Report with "J" Qualifiers



Project Name: 74 WALLABOUT ST.**Lab Number:** L1314810**Project Number:** RAB 1301**Report Date:** 08/11/13**Data Qualifiers**

- 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: 74 WALLABOUT ST.
Project Number: RAB 1301

Lab Number: L1314810
Report Date: 08/11/13

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.



Certificate/Approval Program Summary

Last revised July 2, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. *Organic Parameters:* ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO₃-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. *Organic Parameters:* (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. *Microbiology Parameters:* SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters: (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH₃-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO₃-F, 353.2 for Nitrate-N, SM4500NH₃-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO₃-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH₃-H, 4500NO₃-F, 4500NO₂-B, 4500P-E, 4500-S2-D, 4500SO₃-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. NELAP Accredited.

Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO₃-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO₃-F, 4500NO₂-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH₃-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO₃-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO₃-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH₃-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO₃-F, 4500-NO₂-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO₃-F, 353.2, 4500P-E, 4500SO₄-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. NELAP Accredited.

Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO₃-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH₃-H, 4500NO₂-B, 4500NO₃-F, 4500S-D, 4500SO₃-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH₃-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. NELAP Accredited via NJ-DEP.

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commissoon on Environmental Quality Certificate/Lab ID: T104704476. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH₃-H, 4500NO₂B, 4500P-E, 4500 S²⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. NELAP Accredited.

Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO₃-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH₃-H, 4500NO₂-B, 4500NO₃-F, 4500 SO₃-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

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

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 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnaphthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.



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: MW Grosser Consulting
Address: 630 Johnson Ave
Bohemia NY 11716
Phone: 631-589-6353

Fax:

Email: DerekFE@plwgrosser.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Project Information

Project Name:	74 Wallabout St
Project Location:	Brooklyn, NY
Project #:	RAB 1301
Project Manager:	Derek Fosk
ALPHA Quote #:	

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/10/15 Time:

Date Rec'd in Lab: 4/3/13

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

ALPHA Job #: 124816

Billing Information

☐ Same as Client info PO #:

SAMPLE HANDLING

Filtration _____

☐ Done

☐ Not needed

☐ Lab to do

Preservation _____

☐ Lab to do

(Please specify below)

Sample Specific Comments

[illegible]

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.



ANALYTICAL REPORT

Lab Number:	L1315565
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Derek Ersbak
Phone:	(631) 589-6353
Project Name:	74 WALLABOUT ST.
Project Number:	RAB1301
Report Date:	08/21/13

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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: 74 WALLABOUT ST.
Project Number: RAB1301

Lab Number: L1315565
Report Date: 08/21/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1315565-01	F0016	BROOKLYN, NY	08/12/13 09:30
L1315565-02	F0005	BROOKLYN, NY	08/12/13 15:30
L1315565-03	FIELD BLANK	BROOKLYN, NY	08/13/13 00:00
L1315565-04	TRIP BLANK	BROOKLYN, NY	08/13/13 00:00

Project Name: 74 WALLABOUT ST.
Project Number: RAB1301

Lab Number: L1315565
Report Date: 08/21/13

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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: 74 WALLABOUT ST.
Project Number: RAB1301

Lab Number: L1315565
Report Date: 08/21/13

Case Narrative (continued)

Report Submission

This final report replaces the partial report issued August 20, 2013, and includes the results of all requested analyses.

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

Semivolatile Organics

L1315565-01 has elevated detection limits due to the dilution required by the sample matrix.

L1315565-02 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

The surrogate recoveries for L1315565-02 are below the acceptance criteria for 2-fluorophenol, phenol-d6, nitrobenzene-d5, 2-fluorobiphenyl, and 4-terphenyl-d14 (all at 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Organochlorine Pesticides

L1315565-01 has elevated detection limits due to the dilution required by the sample matrix.

Metals

L1315565-01 and 02 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

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:  Cynthia McQueen

Title: Technical Director/Representative

Date: 08/21/13

ORGANICS

VOLATILES

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-01
Client ID: F0016
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/19/13 22:18
Analyst: PP
Percent Solids: 68%

Date Collected: 08/12/13 09:30
Date Received: 08/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	37	7.4	1
1,1-Dichloroethane	ND		ug/kg	5.5	0.66	1
Chloroform	ND		ug/kg	5.5	1.4	1
Carbon tetrachloride	ND		ug/kg	3.7	0.78	1
1,2-Dichloropropane	ND		ug/kg	13	0.84	1
Dibromochloromethane	ND		ug/kg	3.7	1.1	1
1,1,2-Trichloroethane	ND		ug/kg	5.5	1.1	1
Tetrachloroethene	ND		ug/kg	3.7	0.52	1
Chlorobenzene	ND		ug/kg	3.7	1.3	1
Trichlorofluoromethane	ND		ug/kg	18	0.45	1
1,2-Dichloroethane	ND		ug/kg	3.7	0.54	1
1,1,1-Trichloroethane	ND		ug/kg	3.7	0.41	1
Bromodichloromethane	ND		ug/kg	3.7	0.84	1
trans-1,3-Dichloropropene	ND		ug/kg	3.7	0.45	1
cis-1,3-Dichloropropene	ND		ug/kg	3.7	0.47	1
1,1-Dichloropropene	ND		ug/kg	18	1.7	1
Bromoform	ND		ug/kg	15	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.7	0.63	1
Benzene	ND		ug/kg	3.7	0.44	1
Toluene	ND		ug/kg	5.5	0.41	1
Ethylbenzene	ND		ug/kg	3.7	0.54	1
Chloromethane	ND		ug/kg	18	2.9	1
Bromomethane	ND		ug/kg	7.4	1.2	1
Vinyl chloride	ND		ug/kg	7.4	0.52	1
Chloroethane	ND		ug/kg	7.4	1.2	1
1,1-Dichloroethene	ND		ug/kg	3.7	0.76	1
trans-1,2-Dichloroethene	ND		ug/kg	5.5	0.78	1
Trichloroethene	ND		ug/kg	3.7	0.56	1
1,2-Dichlorobenzene	ND		ug/kg	18	0.68	1
1,3-Dichlorobenzene	ND		ug/kg	18	0.68	1
1,4-Dichlorobenzene	ND		ug/kg	18	0.89	1

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-01

Date Collected: 08/12/13 09:30

Client ID: F0016

Date Received: 08/13/13

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	7.4	0.38	1
p/m-Xylene	ND		ug/kg	7.4	1.2	1
o-Xylene	ND		ug/kg	7.4	1.0	1
cis-1,2-Dichloroethene	ND		ug/kg	3.7	0.55	1
Dibromomethane	ND		ug/kg	37	0.60	1
Styrene	ND		ug/kg	7.4	1.1	1
Dichlorodifluoromethane	ND		ug/kg	37	0.80	1
Acetone	ND		ug/kg	37	11.	1
Carbon disulfide	ND		ug/kg	37	7.4	1
2-Butanone	ND		ug/kg	37	1.3	1
Vinyl acetate	ND		ug/kg	37	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	37	0.90	1
1,2,3-Trichloropropane	ND		ug/kg	37	0.83	1
2-Hexanone	ND		ug/kg	37	0.69	1
Bromochloromethane	ND		ug/kg	18	0.73	1
2,2-Dichloropropane	ND		ug/kg	18	0.83	1
1,2-Dibromoethane	ND		ug/kg	15	0.66	1
1,3-Dichloropropane	ND		ug/kg	18	0.64	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.7	1.2	1
Bromobenzene	ND		ug/kg	18	0.77	1
n-Butylbenzene	ND		ug/kg	3.7	0.73	1
sec-Butylbenzene	ND		ug/kg	3.7	0.76	1
tert-Butylbenzene	ND		ug/kg	18	2.1	1
o-Chlorotoluene	ND		ug/kg	18	0.59	1
p-Chlorotoluene	ND		ug/kg	18	0.57	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	18	2.9	1
Hexachlorobutadiene	ND		ug/kg	18	1.6	1
Isopropylbenzene	ND		ug/kg	3.7	0.62	1
p-Isopropyltoluene	ND		ug/kg	3.7	0.71	1
Naphthalene	ND		ug/kg	18	2.8	1
Acrylonitrile	ND		ug/kg	37	0.88	1
n-Propylbenzene	ND		ug/kg	3.7	0.46	1
1,2,3-Trichlorobenzene	ND		ug/kg	18	0.62	1
1,2,4-Trichlorobenzene	ND		ug/kg	18	2.9	1
1,3,5-Trimethylbenzene	ND		ug/kg	18	0.53	1
1,2,4-Trimethylbenzene	ND		ug/kg	18	2.1	1
1,4-Dioxane	ND		ug/kg	370	64.	1
1,4-Diethylbenzene	ND		ug/kg	15	0.59	1
4-Ethyltoluene	ND		ug/kg	15	0.43	1

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-01
 Client ID: F0016
 Sample Location: BROOKLYN, NY

Date Collected: 08/12/13 09:30
 Date Received: 08/13/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	15	0.48	1
Ethyl ether	ND		ug/kg	18	0.98	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	18	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	96		70-130

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-02
Client ID: F0005
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/20/13 13:19
Analyst: BN
Percent Solids: 58%

Date Collected: 08/12/13 15:30
Date Received: 08/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	21	4.2	1
1,1-Dichloroethane	ND		ug/kg	3.2	0.38	1
Chloroform	3.0	J	ug/kg	3.2	0.78	1
Carbon tetrachloride	ND		ug/kg	2.1	0.44	1
1,2-Dichloropropane	ND		ug/kg	7.4	0.48	1
Dibromochloromethane	ND		ug/kg	2.1	0.65	1
1,1,2-Trichloroethane	ND		ug/kg	3.2	0.64	1
Tetrachloroethene	ND		ug/kg	2.1	0.30	1
Chlorobenzene	ND		ug/kg	2.1	0.73	1
Trichlorofluoromethane	ND		ug/kg	10	0.26	1
1,2-Dichloroethane	ND		ug/kg	2.1	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	2.1	0.23	1
Bromodichloromethane	ND		ug/kg	2.1	0.48	1
trans-1,3-Dichloropropene	ND		ug/kg	2.1	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	2.1	0.27	1
1,1-Dichloropropene	ND		ug/kg	10	0.96	1
Bromoform	ND		ug/kg	8.4	0.88	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.1	0.36	1
Benzene	ND		ug/kg	2.1	0.25	1
Toluene	3.0	J	ug/kg	3.2	0.24	1
Ethylbenzene	ND		ug/kg	2.1	0.31	1
Chloromethane	ND		ug/kg	10	1.6	1
Bromomethane	ND		ug/kg	4.2	0.71	1
Vinyl chloride	ND		ug/kg	4.2	0.30	1
Chloroethane	ND		ug/kg	4.2	0.67	1
1,1-Dichloroethene	ND		ug/kg	2.1	0.43	1
trans-1,2-Dichloroethene	ND		ug/kg	3.2	0.45	1
Trichloroethene	ND		ug/kg	2.1	0.32	1
1,2-Dichlorobenzene	ND		ug/kg	10	0.39	1
1,3-Dichlorobenzene	ND		ug/kg	10	0.39	1
1,4-Dichlorobenzene	ND		ug/kg	10	0.51	1

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-02
 Client ID: F0005
 Sample Location: BROOKLYN, NY

Date Collected: 08/12/13 15:30
 Date Received: 08/13/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	4.2	0.22	1
p/m-Xylene	ND		ug/kg	4.2	0.68	1
o-Xylene	ND		ug/kg	4.2	0.57	1
cis-1,2-Dichloroethene	ND		ug/kg	2.1	0.32	1
Dibromomethane	ND		ug/kg	21	0.34	1
Styrene	ND		ug/kg	4.2	0.65	1
Dichlorodifluoromethane	ND		ug/kg	21	0.46	1
Acetone	71		ug/kg	21	6.6	1
Carbon disulfide	ND		ug/kg	21	4.2	1
2-Butanone	5.6	J	ug/kg	21	0.75	1
Vinyl acetate	ND		ug/kg	21	1.0	1
4-Methyl-2-pentanone	ND		ug/kg	21	0.52	1
1,2,3-Trichloropropane	ND		ug/kg	21	0.48	1
2-Hexanone	ND		ug/kg	21	0.40	1
Bromochloromethane	ND		ug/kg	10	0.42	1
2,2-Dichloropropane	ND		ug/kg	10	0.48	1
1,2-Dibromoethane	ND		ug/kg	8.4	0.38	1
1,3-Dichloropropane	ND		ug/kg	10	0.36	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.1	0.67	1
Bromobenzene	ND		ug/kg	10	0.44	1
n-Butylbenzene	ND		ug/kg	2.1	0.42	1
sec-Butylbenzene	ND		ug/kg	2.1	0.43	1
tert-Butylbenzene	ND		ug/kg	10	1.2	1
o-Chlorotoluene	ND		ug/kg	10	0.34	1
p-Chlorotoluene	ND		ug/kg	10	0.32	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	10	1.7	1
Hexachlorobutadiene	ND		ug/kg	10	0.89	1
Isopropylbenzene	ND		ug/kg	2.1	0.35	1
p-Isopropyltoluene	ND		ug/kg	2.1	0.40	1
Naphthalene	ND		ug/kg	10	1.6	1
Acrylonitrile	ND		ug/kg	21	0.50	1
n-Propylbenzene	ND		ug/kg	2.1	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	10	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	10	1.7	1
1,3,5-Trimethylbenzene	ND		ug/kg	10	0.30	1
1,2,4-Trimethylbenzene	ND		ug/kg	10	1.2	1
1,4-Dioxane	ND		ug/kg	210	37.	1
1,4-Diethylbenzene	ND		ug/kg	8.4	0.34	1
4-Ethyltoluene	ND		ug/kg	8.4	0.25	1

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-02
 Client ID: F0005
 Sample Location: BROOKLYN, NY

Date Collected: 08/12/13 15:30
 Date Received: 08/13/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	8.4	0.28	1
Ethyl ether	ND		ug/kg	10	0.56	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	10	0.95	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	119		70-130
Dibromofluoromethane	98		70-130

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-03
Client ID: FIELD BLANK
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/15/13 19:32
Analyst: PD

Date Collected: 08/13/13 00:00
Date Received: 08/13/13
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	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
1,1-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
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-03
 Client ID: FIELD BLANK
 Sample Location: BROOKLYN, NY

Date Collected: 08/13/13 00:00
 Date Received: 08/13/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	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
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-03
 Client ID: FIELD BLANK
 Sample Location: BROOKLYN, NY

Date Collected: 08/13/13 00:00
 Date Received: 08/13/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

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	89		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	94		70-130

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-04
Client ID: TRIP BLANK
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/15/13 19:58
Analyst: PD

Date Collected: 08/13/13 00:00
Date Received: 08/13/13
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	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
1,1-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
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-04
 Client ID: TRIP BLANK
 Sample Location: BROOKLYN, NY

Date Collected: 08/13/13 00:00
 Date Received: 08/13/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	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
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-04
 Client ID: TRIP BLANK
 Sample Location: BROOKLYN, NY

Date Collected: 08/13/13 00:00
 Date Received: 08/13/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

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	89		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	93		70-130

Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/15/13 10:19
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG629235-3					
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
1,1-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
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

Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/15/13 10:19
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG629235-3					
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
cis-1,2-Dichloroethene	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
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

Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/15/13 10:19
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG629235-3					
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.
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-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	92		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	94		70-130

Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/19/13 21:50
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG630263-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18

Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/19/13 21:50
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG630263-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
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	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77



Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/19/13 21:50
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG630263-3					
Acrylonitrile	ND		ug/kg	10	0.24
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	0.91
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Ethyl Acetate	ND		ug/kg	20	0.82
Acrolein	ND		ug/kg	25	9.2
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-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	0.38
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.42
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.58

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 08/19/13 21:50

Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL

Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG630263-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/20/13 09:09
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG630306-3					
Methylene chloride	2.3	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18

Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/20/13 09:09
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG630306-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
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	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77



Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/20/13 09:09
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG630306-3					
Acrylonitrile	ND		ug/kg	10	0.24
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	0.91
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Ethyl Acetate	ND		ug/kg	20	0.82
Acrolein	ND		ug/kg	25	9.2
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-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	0.38
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.42
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.58

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 08/20/13 09:09

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL

Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG630306-3					

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

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG629235-1 WG629235-2								
Methylene chloride	95		92		70-130	3		20
1,1-Dichloroethane	98		95		70-130	3		20
Chloroform	95		93		70-130	2		20
Carbon tetrachloride	87		85		63-132	2		20
1,2-Dichloropropane	101		97		70-130	4		20
Dibromochloromethane	92		92		63-130	0		20
1,1,2-Trichloroethane	97		96		70-130	1		20
Tetrachloroethene	85		84		70-130	1		20
Chlorobenzene	93		92		75-130	1		20
Trichlorofluoromethane	67		65		62-150	3		20
1,2-Dichloroethane	89		88		70-130	1		20
1,1,1-Trichloroethane	90		89		67-130	1		20
Bromodichloromethane	91		92		67-130	1		20
trans-1,3-Dichloropropene	90		88		70-130	2		20
cis-1,3-Dichloropropene	93		90		70-130	3		20
1,1-Dichloropropene	96		94		70-130	2		20
Bromoform	87		87		54-136	0		20
1,1,2,2-Tetrachloroethane	104		105		67-130	1		20
Benzene	100		97		70-130	3		20
Toluene	95		93		70-130	2		20
Ethylbenzene	94		93		70-130	1		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG629235-1 WG629235-2								
Chloromethane	90		89		64-130	1		20
Bromomethane	57		53		39-139	7		20
Vinyl chloride	88		85		55-140	3		20
Chloroethane	87		84		55-138	4		20
1,1-Dichloroethene	97		93		61-145	4		20
trans-1,2-Dichloroethene	98		96		70-130	2		20
Trichloroethene	93		90		70-130	3		20
1,2-Dichlorobenzene	94		93		70-130	1		20
1,3-Dichlorobenzene	93		92		70-130	1		20
1,4-Dichlorobenzene	91		91		70-130	0		20
Methyl tert butyl ether	93		92		63-130	1		20
p/m-Xylene	92		90		70-130	2		20
o-Xylene	91		90		70-130	1		20
cis-1,2-Dichloroethene	95		94		70-130	1		20
Dibromomethane	92		92		70-130	0		20
1,2,3-Trichloropropane	99		100		64-130	1		20
Acrylonitrile	95		95		70-130	0		20
Styrene	90		88		70-130	2		20
Dichlorodifluoromethane	93		89		36-147	4		20
Acetone	120		103		58-148	15		20
Carbon disulfide	96		93		51-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG629235-1 WG629235-2								
2-Butanone	101		92		63-138	9		20
Vinyl acetate	74		74		70-130	0		20
4-Methyl-2-pentanone	92		92		59-130	0		20
2-Hexanone	88		86		57-130	2		20
Bromochloromethane	93		93		70-130	0		20
2,2-Dichloropropane	87		84		63-133	4		20
1,2-Dibromoethane	95		95		70-130	0		20
1,3-Dichloropropane	100		101		70-130	1		20
1,1,1,2-Tetrachloroethane	89		89		64-130	0		20
Bromobenzene	94		93		70-130	1		20
n-Butylbenzene	97		94		53-136	3		20
sec-Butylbenzene	96		94		70-130	2		20
tert-Butylbenzene	95		93		70-130	2		20
o-Chlorotoluene	91		90		70-130	1		20
p-Chlorotoluene	100		99		70-130	1		20
1,2-Dibromo-3-chloropropane	93		94		41-144	1		20
Hexachlorobutadiene	82		79		63-130	4		20
Isopropylbenzene	97		96		70-130	1		20
p-Isopropyltoluene	94		93		70-130	1		20
Naphthalene	102		102		70-130	0		20
n-Propylbenzene	99		97		69-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG629235-1 WG629235-2								
1,2,3-Trichlorobenzene	93		94		70-130	1		20
1,2,4-Trichlorobenzene	91		92		70-130	1		20
1,3,5-Trimethylbenzene	96		95		64-130	1		20
1,2,4-Trimethylbenzene	98		96		70-130	2		20
1,4-Dioxane	105		105		56-162	0		20
1,4-Diethylbenzene	94		94		70-130	0		20
4-Ethyltoluene	97		96		70-130	1		20
1,2,4,5-Tetramethylbenzene	95		94		70-130	1		20
Ethyl ether	98		97		59-134	1		20
trans-1,4-Dichloro-2-butene	73		71		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		90		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	111		111		70-130
Dibromofluoromethane	96		95		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG630263-1 WG630263-2								
Methylene chloride	97		101		70-130	4		30
1,1-Dichloroethane	93		91		70-130	2		30
Chloroform	94		92		70-130	2		30
Carbon tetrachloride	91		89		70-130	2		30
1,2-Dichloropropane	94		93		70-130	1		30
Dibromochloromethane	90		90		70-130	0		30
2-Chloroethylvinyl ether	98		95		70-130	3		30
1,1,2-Trichloroethane	91		89		70-130	2		30
Tetrachloroethene	94		90		70-130	4		30
Chlorobenzene	93		91		70-130	2		30
Trichlorofluoromethane	86		83		70-139	4		30
1,2-Dichloroethane	89		89		70-130	0		30
1,1,1-Trichloroethane	95		90		70-130	5		30
Bromodichloromethane	92		92		70-130	0		30
trans-1,3-Dichloropropene	93		93		70-130	0		30
cis-1,3-Dichloropropene	98		97		70-130	1		30
1,1-Dichloropropene	93		89		70-130	4		30
Bromoform	88		89		70-130	1		30
1,1,1,2,2-Tetrachloroethane	90		90		70-130	0		30
Benzene	94		92		70-130	2		30
Toluene	88		85		70-130	3		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG630263-1 WG630263-2								
Ethylbenzene	94		91		70-130	3		30
Chloromethane	85		81		52-130	5		30
Bromomethane	100		100		57-147	0		30
Vinyl chloride	89		84		67-130	6		30
Chloroethane	101		96		50-151	5		30
1,1-Dichloroethene	95		91		65-135	4		30
trans-1,2-Dichloroethene	96		94		70-130	2		30
Trichloroethene	95		92		70-130	3		30
1,2-Dichlorobenzene	91		90		70-130	1		30
1,3-Dichlorobenzene	94		92		70-130	2		30
1,4-Dichlorobenzene	93		91		70-130	2		30
Methyl tert butyl ether	96		96		66-130	0		30
p/m-Xylene	96		92		70-130	4		30
o-Xylene	95		93		70-130	2		30
cis-1,2-Dichloroethene	97		95		70-130	2		30
Dibromomethane	91		91		70-130	0		30
Styrene	96		94		70-130	2		30
Dichlorodifluoromethane	73		70		30-146	4		30
Acetone	131		115		54-140	13		30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	108		101		70-130	7		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG630263-1 WG630263-2								
Vinyl acetate	91		92		70-130	1		30
4-Methyl-2-pentanone	90		90		70-130	0		30
1,2,3-Trichloropropane	86		85		68-130	1		30
2-Hexanone	99		94		70-130	5		30
Bromochloromethane	97		97		70-130	0		30
2,2-Dichloropropane	97		94		70-130	3		30
1,2-Dibromoethane	92		93		70-130	1		30
1,3-Dichloropropane	91		91		69-130	0		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	94		94		70-130	0		30
n-Butylbenzene	95		90		70-130	5		30
sec-Butylbenzene	95		92		70-130	3		30
tert-Butylbenzene	97		92		70-130	5		30
o-Chlorotoluene	93		91		70-130	2		30
p-Chlorotoluene	94		92		70-130	2		30
1,2-Dibromo-3-chloropropane	80		87		68-130	8		30
Hexachlorobutadiene	96		94		67-130	2		30
Isopropylbenzene	96		93		70-130	3		30
p-Isopropyltoluene	97		94		70-130	3		30
Naphthalene	88		89		70-130	1		30
Acrylonitrile	87		89		70-130	2		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG630263-1 WG630263-2								
Isopropyl Ether	92		91		66-130	1		30
tert-Butyl Alcohol	88		88		70-130	0		30
n-Propylbenzene	95		92		70-130	3		30
1,2,3-Trichlorobenzene	92		91		70-130	1		30
1,2,4-Trichlorobenzene	96		94		70-130	2		30
1,3,5-Trimethylbenzene	97		94		70-130	3		30
1,2,4-Trimethylbenzene	98		94		70-130	4		30
Methyl Acetate	84		86		51-146	2		30
Ethyl Acetate	86		86		70-130	0		30
Acrolein	83		83		70-130	0		30
Cyclohexane	84		81		59-142	4		30
1,4-Dioxane	91		93		65-136	2		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	84		81		50-139	4		30
1,4-Diethylbenzene	98		94		70-130	4		30
4-Ethyltoluene	96		93		70-130	3		30
1,2,4,5-Tetramethylbenzene	99		97		70-130	2		30
Tetrahydrofuran	88		89		66-130	1		30
Ethyl ether	94		94		67-130	0		30
trans-1,4-Dichloro-2-butene	85		87		70-130	2		30
Methyl cyclohexane	85		82		70-130	4		30
Ethyl-Tert-Butyl-Ether	96		96		70-130	0		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 74 WALLABOUT ST.
Project Number: RAB1301

Lab Number: L1315565
Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG630263-1 WG630263-2								
Tertiary-Amyl Methyl Ether	98		98		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		94		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	97		98		70-130

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG630306-1 WG630306-2								
Methylene chloride	105		101		70-130	4		30
1,1-Dichloroethane	98		98		70-130	0		30
Chloroform	99		99		70-130	0		30
Carbon tetrachloride	104		103		70-130	1		30
1,2-Dichloropropane	98		98		70-130	0		30
Dibromochloromethane	94		96		70-130	2		30
2-Chloroethylvinyl ether	84		80		70-130	5		30
1,1,2-Trichloroethane	92		94		70-130	2		30
Tetrachloroethene	99		99		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG630306-1 WG630306-2								
Chlorobenzene	95		96		70-130	1		30
Trichlorofluoromethane	103		103		70-139	0		30
1,2-Dichloroethane	95		96		70-130	1		30
1,1,1-Trichloroethane	100		99		70-130	1		30
Bromodichloromethane	96		98		70-130	2		30
trans-1,3-Dichloropropene	94		96		70-130	2		30
cis-1,3-Dichloropropene	99		100		70-130	1		30
1,1-Dichloropropene	100		100		70-130	0		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	94		94		70-130	0		30
Benzene	98		98		70-130	0		30
Toluene	90		89		70-130	1		30
Ethylbenzene	96		96		70-130	0		30
Chloromethane	92		89		52-130	3		30
Bromomethane	125		112		57-147	11		30
Vinyl chloride	98		95		67-130	3		30
Chloroethane	108		107		50-151	1		30
1,1-Dichloroethene	102		102		65-135	0		30
trans-1,2-Dichloroethene	100		100		70-130	0		30
Trichloroethene	100		99		70-130	1		30
1,2-Dichlorobenzene	93		92		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG630306-1 WG630306-2								
1,3-Dichlorobenzene	94		94		70-130	0		30
1,4-Dichlorobenzene	94		93		70-130	1		30
Methyl tert butyl ether	97		97		66-130	0		30
p/m-Xylene	97		97		70-130	0		30
o-Xylene	98		98		70-130	0		30
cis-1,2-Dichloroethene	100		101		70-130	1		30
Dibromomethane	96		97		70-130	1		30
Styrene	97		98		70-130	1		30
Dichlorodifluoromethane	91		89		30-146	2		30
Acetone	111		113		54-140	2		30
Carbon disulfide	93		92		59-130	1		30
2-Butanone	112		111		70-130	1		30
Vinyl acetate	95		95		70-130	0		30
4-Methyl-2-pentanone	93		94		70-130	1		30
1,2,3-Trichloropropane	88		88		68-130	0		30
2-Hexanone	93		94		70-130	1		30
Bromochloromethane	103		102		70-130	1		30
2,2-Dichloropropane	100		100		70-130	0		30
1,2-Dibromoethane	94		95		70-130	1		30
1,3-Dichloropropane	94		95		69-130	1		30
1,1,1,2-Tetrachloroethane	94		96		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG630306-1 WG630306-2								
Bromobenzene	97		96		70-130	1		30
n-Butylbenzene	97		96		70-130	1		30
sec-Butylbenzene	98		97		70-130	1		30
tert-Butylbenzene	98		97		70-130	1		30
o-Chlorotoluene	94		95		70-130	1		30
p-Chlorotoluene	95		95		70-130	0		30
1,2-Dibromo-3-chloropropane	91		95		68-130	4		30
Hexachlorobutadiene	101		99		67-130	2		30
Isopropylbenzene	98		98		70-130	0		30
p-Isopropyltoluene	99		98		70-130	1		30
Naphthalene	89		90		70-130	1		30
Acrylonitrile	93		92		70-130	1		30
Isopropyl Ether	95		96		66-130	1		30
tert-Butyl Alcohol	90		93		70-130	3		30
n-Propylbenzene	98		97		70-130	1		30
1,2,3-Trichlorobenzene	92		93		70-130	1		30
1,2,4-Trichlorobenzene	94		95		70-130	1		30
1,3,5-Trimethylbenzene	98		97		70-130	1		30
1,2,4-Trimethylbenzene	98		97		70-130	1		30
Methyl Acetate	88		89		51-146	1		30
Ethyl Acetate	88		90		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG630306-1 WG630306-2								
Acrolein	81		84		70-130	4		30
Cyclohexane	101		100		59-142	1		30
1,4-Dioxane	95		97		65-136	2		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	104		102		50-139	2		30
1,4-Diethylbenzene	99		98		70-130	1		30
4-Ethyltoluene	97		97		70-130	0		30
1,2,4,5-Tetramethylbenzene	100		98		70-130	2		30
Tetrahydrofuran	95		95		66-130	0		30
Ethyl ether	97		98		67-130	1		30
trans-1,4-Dichloro-2-butene	88		88		70-130	0		30
Methyl cyclohexane	103		102		70-130	1		30
Ethyl-Tert-Butyl-Ether	97		98		70-130	1		30
Tertiary-Amyl Methyl Ether	98		99		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		96		70-130
Toluene-d8	97		98		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	99		99		70-130

SEMIVOLATILES

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-01 D
Client ID: F0016
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/20/13 21:55
Analyst: RC
Percent Solids: 68%

Date Collected: 08/12/13 09:30
Date Received: 08/13/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/14/13 19:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	810	J	ug/kg	1900	500	10
1,2,4-Trichlorobenzene	ND		ug/kg	2400	790	10
Hexachlorobenzene	ND		ug/kg	1400	450	10
Bis(2-chloroethyl)ether	ND		ug/kg	2200	680	10
2-Chloronaphthalene	ND		ug/kg	2400	790	10
1,2-Dichlorobenzene	ND		ug/kg	2400	790	10
1,3-Dichlorobenzene	ND		ug/kg	2400	760	10
1,4-Dichlorobenzene	ND		ug/kg	2400	730	10
3,3'-Dichlorobenzidine	ND		ug/kg	2400	640	10
2,4-Dinitrotoluene	ND		ug/kg	2400	520	10
2,6-Dinitrotoluene	ND		ug/kg	2400	620	10
Fluoranthene	8400		ug/kg	1400	440	10
4-Chlorophenyl phenyl ether	ND		ug/kg	2400	730	10
4-Bromophenyl phenyl ether	ND		ug/kg	2400	550	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2900	850	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2600	730	10
Hexachlorobutadiene	ND		ug/kg	2400	680	10
Hexachlorocyclopentadiene	ND		ug/kg	6900	1500	10
Hexachloroethane	ND		ug/kg	1900	440	10
Isophorone	ND		ug/kg	2200	640	10
Naphthalene	ND		ug/kg	2400	800	10
Nitrobenzene	ND		ug/kg	2200	570	10
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1900	510	10
n-Nitrosodi-n-propylamine	ND		ug/kg	2400	720	10
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	2400	630	10
Butyl benzyl phthalate	ND		ug/kg	2400	470	10
Di-n-butylphthalate	ND		ug/kg	2400	460	10
Di-n-octylphthalate	ND		ug/kg	2400	590	10
Diethyl phthalate	ND		ug/kg	2400	510	10
Dimethyl phthalate	ND		ug/kg	2400	610	10
Benzo(a)anthracene	3900		ug/kg	1400	470	10

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-01 D

Date Collected: 08/12/13 09:30

Client ID: F0016

Date Received: 08/13/13

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3300		ug/kg	1900	590	10
Benzo(b)fluoranthene	4300		ug/kg	1400	490	10
Benzo(k)fluoranthene	2000		ug/kg	1400	460	10
Chrysene	4200		ug/kg	1400	470	10
Acenaphthylene	ND		ug/kg	1900	450	10
Anthracene	1100	J	ug/kg	1400	400	10
Benzo(ghi)perylene	2000		ug/kg	1900	500	10
Fluorene	ND		ug/kg	2400	690	10
Phenanthrene	6000		ug/kg	1400	470	10
Dibenzo(a,h)anthracene	ND		ug/kg	1400	470	10
Indeno(1,2,3-cd)Pyrene	2300		ug/kg	1900	540	10
Pyrene	6700		ug/kg	1400	470	10
Biphenyl	ND		ug/kg	5500	800	10
4-Chloroaniline	ND		ug/kg	2400	640	10
2-Nitroaniline	ND		ug/kg	2400	680	10
3-Nitroaniline	ND		ug/kg	2400	660	10
4-Nitroaniline	ND		ug/kg	2400	650	10
Dibenzofuran	ND		ug/kg	2400	800	10
2-Methylnaphthalene	ND		ug/kg	2900	770	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	2400	750	10
Acetophenone	ND		ug/kg	2400	750	10
2,4,6-Trichlorophenol	ND		ug/kg	1400	450	10
P-Chloro-M-Cresol	ND		ug/kg	2400	700	10
2-Chlorophenol	ND		ug/kg	2400	730	10
2,4-Dichlorophenol	ND		ug/kg	2200	780	10
2,4-Dimethylphenol	ND		ug/kg	2400	720	10
2-Nitrophenol	ND		ug/kg	5200	750	10
4-Nitrophenol	ND		ug/kg	3400	780	10
2,4-Dinitrophenol	ND		ug/kg	12000	3300	10
4,6-Dinitro-o-cresol	ND		ug/kg	6300	880	10
Pentachlorophenol	ND		ug/kg	1900	520	10
Phenol	ND		ug/kg	2400	710	10
2-Methylphenol	ND		ug/kg	2400	780	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	3500	790	10
2,4,5-Trichlorophenol	ND		ug/kg	2400	780	10
Benzoic Acid	ND		ug/kg	7800	2400	10
Benzyl Alcohol	ND		ug/kg	2400	740	10
Carbazole	760	J	ug/kg	2400	520	10

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-01 D

Date Collected: 08/12/13 09:30

Client ID: F0016

Date Received: 08/13/13

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	94		0-136
4-Terphenyl-d14	91		18-120

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-02 D
Client ID: F0005
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/20/13 22:23
Analyst: RC
Percent Solids: 58%

Date Collected: 08/12/13 15:30
Date Received: 08/13/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/14/13 19:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	4600	1200	20
1,2,4-Trichlorobenzene	ND		ug/kg	5700	1900	20
Hexachlorobenzene	ND		ug/kg	3400	1100	20
Bis(2-chloroethyl)ether	ND		ug/kg	5200	1600	20
2-Chloronaphthalene	ND		ug/kg	5700	1900	20
1,2-Dichlorobenzene	ND		ug/kg	5700	1900	20
1,3-Dichlorobenzene	ND		ug/kg	5700	1800	20
1,4-Dichlorobenzene	ND		ug/kg	5700	1700	20
3,3'-Dichlorobenzidine	ND		ug/kg	5700	1500	20
2,4-Dinitrotoluene	ND		ug/kg	5700	1200	20
2,6-Dinitrotoluene	ND		ug/kg	5700	1500	20
Fluoranthene	9600		ug/kg	3400	1000	20
4-Chlorophenyl phenyl ether	ND		ug/kg	5700	1700	20
4-Bromophenyl phenyl ether	ND		ug/kg	5700	1300	20
Bis(2-chloroisopropyl)ether	ND		ug/kg	6900	2000	20
Bis(2-chloroethoxy)methane	ND		ug/kg	6200	1700	20
Hexachlorobutadiene	ND		ug/kg	5700	1600	20
Hexachlorocyclopentadiene	ND		ug/kg	16000	3700	20
Hexachloroethane	ND		ug/kg	4600	1000	20
Isophorone	ND		ug/kg	5200	1500	20
Naphthalene	ND		ug/kg	5700	1900	20
Nitrobenzene	ND		ug/kg	5200	1400	20
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	4600	1200	20
n-Nitrosodi-n-propylamine	ND		ug/kg	5700	1700	20
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	5700	1500	20
Butyl benzyl phthalate	ND		ug/kg	5700	1100	20
Di-n-butylphthalate	ND		ug/kg	5700	1100	20
Di-n-octylphthalate	ND		ug/kg	5700	1400	20
Diethyl phthalate	ND		ug/kg	5700	1200	20
Dimethyl phthalate	ND		ug/kg	5700	1500	20
Benzo(a)anthracene	4500		ug/kg	3400	1100	20

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-02 D

Date Collected: 08/12/13 15:30

Client ID: F0005

Date Received: 08/13/13

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3900	J	ug/kg	4600	1400	20
Benzo(b)fluoranthene	4900		ug/kg	3400	1200	20
Benzo(k)fluoranthene	2100	J	ug/kg	3400	1100	20
Chrysene	5200		ug/kg	3400	1100	20
Acenaphthylene	ND		ug/kg	4600	1100	20
Anthracene	1400	J	ug/kg	3400	960	20
Benzo(ghi)perylene	2500	J	ug/kg	4600	1200	20
Fluorene	ND		ug/kg	5700	1600	20
Phenanthrene	7400		ug/kg	3400	1100	20
Dibenzo(a,h)anthracene	ND		ug/kg	3400	1100	20
Indeno(1,2,3-cd)Pyrene	2700	J	ug/kg	4600	1300	20
Pyrene	8300		ug/kg	3400	1100	20
Biphenyl	ND		ug/kg	13000	1900	20
4-Chloroaniline	ND		ug/kg	5700	1500	20
2-Nitroaniline	ND		ug/kg	5700	1600	20
3-Nitroaniline	ND		ug/kg	5700	1600	20
4-Nitroaniline	ND		ug/kg	5700	1600	20
Dibenzofuran	ND		ug/kg	5700	1900	20
2-Methylnaphthalene	ND		ug/kg	6900	1800	20
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	5700	1800	20
Acetophenone	ND		ug/kg	5700	1800	20
2,4,6-Trichlorophenol	ND		ug/kg	3400	1100	20
P-Chloro-M-Cresol	ND		ug/kg	5700	1700	20
2-Chlorophenol	ND		ug/kg	5700	1700	20
2,4-Dichlorophenol	ND		ug/kg	5200	1900	20
2,4-Dimethylphenol	ND		ug/kg	5700	1700	20
2-Nitrophenol	ND		ug/kg	12000	1800	20
4-Nitrophenol	ND		ug/kg	8000	1900	20
2,4-Dinitrophenol	ND		ug/kg	28000	7900	20
4,6-Dinitro-o-cresol	ND		ug/kg	15000	2100	20
Pentachlorophenol	ND		ug/kg	4600	1200	20
Phenol	ND		ug/kg	5700	1700	20
2-Methylphenol	ND		ug/kg	5700	1800	20
3-Methylphenol/4-Methylphenol	ND		ug/kg	8300	1900	20
2,4,5-Trichlorophenol	ND		ug/kg	5700	1900	20
Benzoic Acid	ND		ug/kg	19000	5800	20
Benzyl Alcohol	ND		ug/kg	5700	1800	20
Carbazole	ND		ug/kg	5700	1200	20

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-02 D

Date Collected: 08/12/13 15:30

Client ID: F0005

Date Received: 08/13/13

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	25-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	30-120
2,4,6-Tribromophenol	0		0-136
4-Terphenyl-d14	0	Q	18-120

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-03
Client ID: FIELD BLANK
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/21/13 14:06
Analyst: HL

Date Collected: 08/13/13 00:00
Date Received: 08/13/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/15/13 03:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-03
 Client ID: FIELD BLANK
 Sample Location: BROOKLYN, NY

Date Collected: 08/13/13 00:00
 Date Received: 08/13/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	63		10-120
4-Terphenyl-d14	81		41-149

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-03
Client ID: FIELD BLANK
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/16/13 14:25
Analyst: HL

Date Collected: 08/13/13 00:00
Date Received: 08/13/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/15/13 02:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	56		10-120
4-Terphenyl-d14	87		41-149

Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/19/13 20:42
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 08/14/13 19:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG629026-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	170	54.
Hexachlorobenzene	ND		ug/kg	100	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	47.
2-Chloronaphthalene	ND		ug/kg	170	54.
1,2-Dichlorobenzene	ND		ug/kg	170	55.
1,3-Dichlorobenzene	ND		ug/kg	170	52.
1,4-Dichlorobenzene	ND		ug/kg	170	51.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	36.
2,6-Dinitrotoluene	ND		ug/kg	170	43.
Fluoranthene	ND		ug/kg	100	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	51.
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	59.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	170	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	170	55.
Nitrobenzene	ND		ug/kg	150	40.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.
Butyl benzyl phthalate	ND		ug/kg	170	32.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	41.
Diethyl phthalate	ND		ug/kg	170	35.
Dimethyl phthalate	ND		ug/kg	170	42.
Benzo(a)anthracene	ND		ug/kg	100	33.

Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/19/13 20:42
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 08/14/13 19:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG629026-1					
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	34.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	33.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	35.
Fluorene	ND		ug/kg	170	48.
Phenanthrene	ND		ug/kg	100	32.
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	100	32.
Biphenyl	ND		ug/kg	380	55.
4-Chloroaniline	ND		ug/kg	170	44.
2-Nitroaniline	ND		ug/kg	170	47.
3-Nitroaniline	ND		ug/kg	170	46.
4-Nitroaniline	ND		ug/kg	170	45.
Dibenzofuran	ND		ug/kg	170	56.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	52.
Acetophenone	ND		ug/kg	170	52.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
P-Chloro-M-Cresol	ND		ug/kg	170	48.
2-Chlorophenol	ND		ug/kg	170	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	170	50.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	800	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/19/13 20:42
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 08/14/13 19:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG629026-1					
Phenol	ND		ug/kg	170	49.
2-Methylphenol	ND		ug/kg	170	54.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	55.
2,4,5-Trichlorophenol	ND		ug/kg	170	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	36.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	57		0-136
4-Terphenyl-d14	92		18-120

Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 08/16/13 12:55
 Analyst: HL

Extraction Method: EPA 3510C
 Extraction Date: 08/15/13 02:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 03 Batch: WG629090-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	0.12	J	ug/l	0.50	0.07
Naphthalene	0.09	J	ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	0.14	J	ug/l	0.80	0.07

Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 08/16/13 12:55
 Analyst: HL

Extraction Method: EPA 3510C
 Extraction Date: 08/15/13 02:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 03 Batch: WG629090-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	56		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	97		41-149

Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/20/13 18:12
 Analyst: HL

Extraction Method: EPA 3510C
 Extraction Date: 08/15/13 03:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG629091-1					
Acenaphthene	ND		ug/l	2.0	0.55
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67
Hexachlorobenzene	ND		ug/l	2.0	0.65
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
2-Chloronaphthalene	ND		ug/l	2.0	0.47
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46
Fluoranthene	ND		ug/l	2.0	0.51
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40
Hexachlorobutadiene	ND		ug/l	2.0	0.81
Hexachlorocyclopentadiene	ND		ug/l	20	2.1
Hexachloroethane	ND		ug/l	2.0	0.66
Isophorone	ND		ug/l	5.0	0.35
Naphthalene	ND		ug/l	2.0	0.72
Nitrobenzene	ND		ug/l	2.0	0.50
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	0.46
Di-n-butylphthalate	ND		ug/l	5.0	0.54
Di-n-octylphthalate	ND		ug/l	5.0	0.53
Diethyl phthalate	ND		ug/l	5.0	0.45
Dimethyl phthalate	ND		ug/l	5.0	0.45
Benzo(a)anthracene	ND		ug/l	2.0	0.82



Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/20/13 18:12
 Analyst: HL

Extraction Method: EPA 3510C
 Extraction Date: 08/15/13 03:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG629091-1					
Benzo(a)pyrene	ND		ug/l	2.0	0.48
Benzo(b)fluoranthene	ND		ug/l	2.0	0.48
Benzo(k)fluoranthene	ND		ug/l	2.0	0.48
Chrysene	ND		ug/l	2.0	0.56
Acenaphthylene	ND		ug/l	2.0	0.50
Anthracene	ND		ug/l	2.0	0.47
Benzo(ghi)perylene	ND		ug/l	2.0	0.53
Fluorene	ND		ug/l	2.0	0.49
Phenanthrene	ND		ug/l	2.0	0.49
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.48
Indeno(1,2,3-cd)Pyrene	ND		ug/l	2.0	0.48
Pyrene	ND		ug/l	2.0	0.44
Biphenyl	ND		ug/l	2.0	0.50
4-Chloroaniline	ND		ug/l	5.0	0.83
2-Nitroaniline	ND		ug/l	5.0	0.40
3-Nitroaniline	ND		ug/l	5.0	0.59
4-Nitroaniline	ND		ug/l	5.0	0.55
Dibenzofuran	ND		ug/l	2.0	0.47
2-Methylnaphthalene	ND		ug/l	2.0	0.55
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65
Acetophenone	ND		ug/l	5.0	0.55
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50
2-Chlorophenol	ND		ug/l	2.0	0.34
2,4-Dichlorophenol	ND		ug/l	5.0	0.43
2,4-Dimethylphenol	ND		ug/l	5.0	1.2
2-Nitrophenol	ND		ug/l	10	0.48
4-Nitrophenol	ND		ug/l	10	1.2
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59
Pentachlorophenol	ND		ug/l	10	1.2



Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/20/13 18:12
 Analyst: HL

Extraction Method: EPA 3510C
 Extraction Date: 08/15/13 03:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG629091-1					
Phenol	ND		ug/l	5.0	0.26
2-Methylphenol	ND		ug/l	5.0	0.53
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.53

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	52		10-120
4-Terphenyl-d14	89		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG629026-2 WG629026-3								
Acenaphthene	74		81		31-137	9		50
1,2,4-Trichlorobenzene	62		67		38-107	8		50
Hexachlorobenzene	88		100		40-140	13		50
Bis(2-chloroethyl)ether	60		64		40-140	6		50
2-Chloronaphthalene	68		76		40-140	11		50
1,2-Dichlorobenzene	63		67		40-140	6		50
1,3-Dichlorobenzene	61		65		40-140	6		50
1,4-Dichlorobenzene	61		66		28-104	8		50
3,3'-Dichlorobenzidine	80		88		40-140	10		50
2,4-Dinitrotoluene	85		94	Q	28-89	10		50
2,6-Dinitrotoluene	79		90		40-140	13		50
Fluoranthene	83		94		40-140	12		50
4-Chlorophenyl phenyl ether	80		89		40-140	11		50
4-Bromophenyl phenyl ether	82		93		40-140	13		50
Bis(2-chloroisopropyl)ether	54		57		40-140	5		50
Bis(2-chloroethoxy)methane	62		68		40-117	9		50
Hexachlorobutadiene	59		63		40-140	7		50
Hexachlorocyclopentadiene	64		71		40-140	10		50
Hexachloroethane	57		60		40-140	5		50
Isophorone	62		67		40-140	8		50
Naphthalene	62		67		40-140	8		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG629026-2 WG629026-3								
Nitrobenzene	57		61		40-140	7		50
NitrosoDiPhenylAmine(NDPA)/DPA	82		92			11		50
n-Nitrosodi-n-propylamine	60		64		32-121	6		50
Bis(2-Ethylhexyl)phthalate	91		100		40-140	9		50
Butyl benzyl phthalate	78		89		40-140	13		50
Di-n-butylphthalate	86		97		40-140	12		50
Di-n-octylphthalate	92		103		40-140	11		50
Diethyl phthalate	81		92		40-140	13		50
Dimethyl phthalate	84		95		40-140	12		50
Benzo(a)anthracene	89		97		40-140	9		50
Benzo(a)pyrene	83		93		40-140	11		50
Benzo(b)fluoranthene	84		89		40-140	6		50
Benzo(k)fluoranthene	86		98		40-140	13		50
Chrysene	86		96		40-140	11		50
Acenaphthylene	72		80		40-140	11		50
Anthracene	88		98		40-140	11		50
Benzo(ghi)perylene	80		93		40-140	15		50
Fluorene	82		92		40-140	11		50
Phenanthrene	85		95		40-140	11		50
Dibenzo(a,h)anthracene	82		95		40-140	15		50
Indeno(1,2,3-cd)Pyrene	82		92		40-140	11		50

Lab Control Sample Analysis Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG629026-2 WG629026-3								
Pyrene	80		91		35-142	13		50
Biphenyl	71		79			11		50
4-Chloroaniline	39	Q	49		40-140	23		50
2-Nitroaniline	82		96		47-134	16		50
3-Nitroaniline	54		62		26-129	14		50
4-Nitroaniline	79		92		41-125	15		50
Dibenzofuran	79		88		40-140	11		50
2-Methylnaphthalene	64		69		40-140	8		50
1,2,4,5-Tetrachlorobenzene	70		74		40-117	6		50
Acetophenone	65		71		14-144	9		50
2,4,6-Trichlorophenol	75		85		30-130	13		50
P-Chloro-M-Cresol	78		86		26-103	10		50
2-Chlorophenol	66		71		25-102	7		50
2,4-Dichlorophenol	72		76		30-130	5		50
2,4-Dimethylphenol	72		80		30-130	11		50
2-Nitrophenol	62		68		30-130	9		50
4-Nitrophenol	64		74		11-114	14		50
2,4-Dinitrophenol	52		61		4-130	16		50
4,6-Dinitro-o-cresol	77		89		10-130	14		50
Pentachlorophenol	81		94		17-109	15		50
Phenol	67		73		26-90	9		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG629026-2 WG629026-3								
2-Methylphenol	70		75		30-130.	7		50
3-Methylphenol/4-Methylphenol	75		83		30-130	10		50
2,4,5-Trichlorophenol	88		99		30-130	12		50
Benzoic Acid	25		26			4		50
Benzyl Alcohol	64		70		40-140	9		50
Carbazole	81		93		54-128	14		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	63		67		25-120
Phenol-d6	66		71		10-120
Nitrobenzene-d5	60		66		23-120
2-Fluorobiphenyl	66		75		30-120
2,4,6-Tribromophenol	95		105		0-136
4-Terphenyl-d14	82		96		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 03 Batch: WG629090-2 WG629090-3								
Acenaphthene	67		68		37-111	1		40
2-Chloronaphthalene	64		68		40-140	6		40
Fluoranthene	95		96		40-140	1		40
Hexachlorobutadiene	56		59		40-140	5		40
Naphthalene	60		62		40-140	3		40
Benzo(a)anthracene	92		88		40-140	4		40
Benzo(a)pyrene	80		78		40-140	3		40
Benzo(b)fluoranthene	83		81		40-140	2		40
Benzo(k)fluoranthene	87		85		40-140	2		40
Chrysene	83		79		40-140	5		40
Acenaphthylene	69		74		40-140	7		40
Anthracene	89		89		40-140	0		40
Benzo(ghi)perylene	74		68		40-140	8		40
Fluorene	74		68		40-140	8		40
Phenanthrene	81		87		40-140	7		40
Dibenzo(a,h)anthracene	74		71		40-140	4		40
Indeno(1,2,3-cd)Pyrene	76		71		40-140	7		40
Pyrene	91		90		26-127	1		40
2-Methylnaphthalene	62		66		40-140	6		40
Pentachlorophenol	82		79		9-103	4		40
Hexachlorobenzene	71		71		40-140	0		40

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 74 WALLABOUT ST.**Project Number:** RAB1301**Lab Number:** L1315565**Report Date:** 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 03 Batch: WG629090-2 WG629090-3								
Hexachloroethane	61		63		40-140	3		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	40		42		21-120
Phenol-d6	29		31		10-120
Nitrobenzene-d5	67		70		23-120
2-Fluorobiphenyl	62		68		15-120
2,4,6-Tribromophenol	80		73		10-120
4-Terphenyl-d14	99		98		41-149

Lab Control Sample Analysis Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG629091-2 WG629091-3								
Acenaphthene	81		80		37-111	1		30
1,2,4-Trichlorobenzene	66		65		39-98	2		30
Hexachlorobenzene	93		88		40-140	6		30
Bis(2-chloroethyl)ether	69		62		40-140	11		30
2-Chloronaphthalene	75		69		40-140	8		30
1,2-Dichlorobenzene	63		59		40-140	7		30
1,3-Dichlorobenzene	62		58		40-140	7		30
1,4-Dichlorobenzene	62		59		36-97	5		30
3,3'-Dichlorobenzidine	77		71		40-140	8		30
2,4-Dinitrotoluene	97	Q	91		24-96	6		30
2,6-Dinitrotoluene	81		71		40-140	13		30
Fluoranthene	101		97		40-140	4		30
4-Chlorophenyl phenyl ether	88		87		40-140	1		30
4-Bromophenyl phenyl ether	90		86		40-140	5		30
Bis(2-chloroisopropyl)ether	67		61		40-140	9		30
Bis(2-chloroethoxy)methane	73		62		40-140	16		30
Hexachlorobutadiene	66		64		40-140	3		30
Hexachlorocyclopentadiene	51		50		40-140	2		30
Hexachloroethane	62		57		40-140	8		30
Isophorone	76		63		40-140	19		30
Naphthalene	68		66		40-140	3		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG629091-2 WG629091-3								
Nitrobenzene	74		72		40-140	3		30
NitrosoDiPhenylAmine(NDPA)/DPA	94		90		40-140	4		30
n-Nitrosodi-n-propylamine	75		65		29-132	14		30
Bis(2-Ethylhexyl)phthalate	82		75		40-140	9		30
Butyl benzyl phthalate	95		85		40-140	11		30
Di-n-butylphthalate	104		98		40-140	6		30
Di-n-octylphthalate	80		71		40-140	12		30
Diethyl phthalate	96		91		40-140	5		30
Dimethyl phthalate	92		89		40-140	3		30
Benzo(a)anthracene	102		103		40-140	1		30
Benzo(a)pyrene	83		75		40-140	10		30
Benzo(b)fluoranthene	99		100		40-140	1		30
Benzo(k)fluoranthene	96		99		40-140	3		30
Chrysene	89		90		40-140	1		30
Acenaphthylene	83		75		45-123	10		30
Anthracene	98		101		40-140	3		30
Benzo(ghi)perylene	94		110		40-140	16		30
Fluorene	92		88		40-140	4		30
Phenanthrene	91		93		40-140	2		30
Dibenzo(a,h)anthracene	97		108		40-140	11		30
Indeno(1,2,3-cd)Pyrene	96		106		40-140	10		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG629091-2 WG629091-3								
Pyrene	101		97		26-127	4		30
Biphenyl	77		78			1		30
4-Chloroaniline	56		45		40-140	22		30
2-Nitroaniline	76		64		52-143	17		30
3-Nitroaniline	66		59		25-145	11		30
4-Nitroaniline	88		79		51-143	11		30
Dibenzofuran	86		85		40-140	1		30
2-Methylnaphthalene	72		67		40-140	7		30
1,2,4,5-Tetrachlorobenzene	75		75		2-134	0		30
Acetophenone	78		68		39-129	14		30
2,4,6-Trichlorophenol	75		66		30-130	13		30
P-Chloro-M-Cresol	81		72		23-97	12		30
2-Chlorophenol	69		61		27-123	12		30
2,4-Dichlorophenol	77		70		30-130	10		30
2,4-Dimethylphenol	62		58		30-130	7		30
2-Nitrophenol	64		53		30-130	19		30
4-Nitrophenol	58		42		10-80	32	Q	30
2,4-Dinitrophenol	68		55		20-130	21		30
4,6-Dinitro-o-cresol	81		66		20-164	20		30
Pentachlorophenol	84		80		9-103	5		30
Phenol	39		33		12-110	17		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG629091-2 WG629091-3								
2-Methylphenol	65		56		30-130	15		30
3-Methylphenol/4-Methylphenol	64		54		30-130	17		30
2,4,5-Trichlorophenol	82		72		30-130	13		30
Benzoic Acid	27		25			8		30
Benzyl Alcohol	64		51			23		30
Carbazole	97		94		55-144	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	50		44		21-120
Phenol-d6	35		29		10-120
Nitrobenzene-d5	72		58		23-120
2-Fluorobiphenyl	77		67		15-120
2,4,6-Tribromophenol	95		94		10-120
4-Terphenyl-d14	97		85		41-149

PCBS

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-01
Client ID: F0016
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/13 01:21
Analyst: KB
Percent Solids: 68%

Date Collected: 08/12/13 09:30
Date Received: 08/13/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/15/13 19:41
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/16/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 08/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	47.0	9.28	1
Aroclor 1221	ND		ug/kg	47.0	14.2	1
Aroclor 1232	ND		ug/kg	47.0	9.98	1
Aroclor 1242	ND		ug/kg	47.0	8.92	1
Aroclor 1248	ND		ug/kg	47.0	5.68	1
Aroclor 1254	ND		ug/kg	47.0	7.41	1
Aroclor 1262	ND		ug/kg	47.0	3.47	1
Aroclor 1268	ND		ug/kg	47.0	6.82	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	53		30-150
Decachlorobiphenyl	82		30-150
2,4,5,6-Tetrachloro-m-xylene	55		30-150
Decachlorobiphenyl	108		30-150

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-01
Client ID: F0016
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/13 01:21
Analyst: KB
Percent Solids: 68%

Date Collected: 08/12/13 09:30
Date Received: 08/13/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/15/13 19:41
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/16/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 08/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1260	98.6		ug/kg	47.0	8.15	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	53		30-150
Decachlorobiphenyl	82		30-150
2,4,5,6-Tetrachloro-m-xylene	55		30-150
Decachlorobiphenyl	108		30-150

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-02
Client ID: F0005
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/13 01:37
Analyst: KB
Percent Solids: 58%

Date Collected: 08/12/13 15:30
Date Received: 08/13/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/15/13 19:41
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/16/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 08/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	55.7	11.0	1
Aroclor 1221	ND		ug/kg	55.7	16.8	1
Aroclor 1232	ND		ug/kg	55.7	11.8	1
Aroclor 1242	ND		ug/kg	55.7	10.6	1
Aroclor 1248	ND		ug/kg	55.7	6.74	1
Aroclor 1254	ND		ug/kg	55.7	8.78	1
Aroclor 1260	ND		ug/kg	55.7	9.66	1
Aroclor 1262	ND		ug/kg	55.7	4.12	1
Aroclor 1268	ND		ug/kg	55.7	8.08	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	52		30-150
Decachlorobiphenyl	69		30-150
2,4,5,6-Tetrachloro-m-xylene	56		30-150
Decachlorobiphenyl	90		30-150

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-03
Client ID: FIELD BLANK
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/18/13 19:16
Analyst: TQ

Date Collected: 08/13/13 00:00
Date Received: 08/13/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/17/13 14:28
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/18/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 08/18/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1
Aroclor 1262	ND		ug/l	0.083	0.029	1
Aroclor 1268	ND		ug/l	0.083	0.038	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	67		30-150
Decachlorobiphenyl	56		30-150
2,4,5,6-Tetrachloro-m-xylene	74		30-150
Decachlorobiphenyl	74		30-150

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 08/17/13 02:39
 Analyst: KB

Extraction Method: EPA 3546
 Extraction Date: 08/15/13 19:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 08/16/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 08/16/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG629359-1					
Aroclor 1016	ND		ug/kg	32.3	6.38
Aroclor 1221	ND		ug/kg	32.3	9.75
Aroclor 1232	ND		ug/kg	32.3	6.86
Aroclor 1242	ND		ug/kg	32.3	6.13
Aroclor 1248	ND		ug/kg	32.3	3.91
Aroclor 1254	ND		ug/kg	32.3	5.10
Aroclor 1260	ND		ug/kg	32.3	5.61
Aroclor 1262	ND		ug/kg	32.3	2.39
Aroclor 1268	ND		ug/kg	32.3	4.69

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	70		30-150
Decachlorobiphenyl	88		30-150
2,4,5,6-Tetrachloro-m-xylene	77		30-150
Decachlorobiphenyl	83		30-150

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 08/18/13 21:19
 Analyst: TQ

Extraction Method: EPA 3510C
 Extraction Date: 08/17/13 14:28
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 08/18/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 08/18/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03 Batch: WG629729-1					
Aroclor 1016	ND		ug/l	0.083	0.055
Aroclor 1221	ND		ug/l	0.083	0.053
Aroclor 1232	ND		ug/l	0.083	0.031
Aroclor 1242	ND		ug/l	0.083	0.060
Aroclor 1248	ND		ug/l	0.083	0.051
Aroclor 1254	ND		ug/l	0.083	0.034
Aroclor 1260	ND		ug/l	0.083	0.032
Aroclor 1262	ND		ug/l	0.083	0.029
Aroclor 1268	ND		ug/l	0.083	0.038

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	58		30-150
Decachlorobiphenyl	59		30-150
2,4,5,6-Tetrachloro-m-xylene	63		30-150
Decachlorobiphenyl	73		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG629359-2 WG629359-3								
Aroclor 1016	74		83		40-140	11		50
Aroclor 1260	82		94		40-140	14		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	77		82		30-150
Decachlorobiphenyl	100		109		30-150
2,4,5,6-Tetrachloro-m-xylene	87		93		30-150
Decachlorobiphenyl	95		103		30-150

Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03 Batch: WG629729-2 WG629729-3								
Aroclor 1016	90		85		40-140	5		50
Aroclor 1260	60		60		40-140	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	68		63		30-150
Decachlorobiphenyl	64		58		30-150
2,4,5,6-Tetrachloro-m-xylene	68		65		30-150
Decachlorobiphenyl	77		69		30-150

PESTICIDES

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-01 D
Client ID: F0016
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/16/13 23:35
Analyst: BW
Percent Solids: 68%

Date Collected: 08/12/13 09:30
Date Received: 08/13/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/15/13 21:34
Cleanup Method1: EPA 3620B
Cleanup Date1: 08/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	11.6	2.28	5
Lindane	ND		ug/kg	4.86	2.17	5
Alpha-BHC	ND		ug/kg	4.86	1.38	5
Beta-BHC	ND		ug/kg	11.6	4.42	5
Heptachlor	ND		ug/kg	5.83	2.61	5
Aldrin	ND		ug/kg	11.6	4.10	5
Heptachlor epoxide	ND		ug/kg	21.8	6.56	5
Endrin	ND		ug/kg	4.86	1.99	5
Endrin ketone	ND		ug/kg	11.6	3.00	5
Dieldrin	ND		ug/kg	7.28	3.64	5
4,4'-DDE	ND		ug/kg	11.6	2.69	5
4,4'-DDD	ND		ug/kg	11.6	4.16	5
4,4'-DDT	12.3	J	ug/kg	21.8	9.37	5
Endosulfan I	ND		ug/kg	11.6	2.75	5
Endosulfan II	ND		ug/kg	11.6	3.89	5
Endosulfan sulfate	ND		ug/kg	4.86	2.22	5
Methoxychlor	ND		ug/kg	21.8	6.80	5
Toxaphene	ND		ug/kg	218	61.2	5
cis-Chlordane	ND		ug/kg	14.6	4.06	5
trans-Chlordane	ND		ug/kg	14.6	3.84	5
Chlordane	ND		ug/kg	94.7	38.6	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-02
Client ID: F0005
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/16/13 23:48
Analyst: BW
Percent Solids: 58%

Date Collected: 08/12/13 15:30
Date Received: 08/13/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/15/13 21:34
Cleanup Method1: EPA 3620B
Cleanup Date1: 08/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	2.70	0.529	1
Lindane	ND		ug/kg	1.12	0.503	1
Alpha-BHC	ND		ug/kg	1.12	0.320	1
Beta-BHC	ND		ug/kg	2.70	1.02	1
Heptachlor	ND		ug/kg	1.35	0.605	1
Aldrin	ND		ug/kg	2.70	0.951	1
Heptachlor epoxide	ND		ug/kg	5.06	1.52	1
Endrin	ND		ug/kg	1.12	0.461	1
Endrin ketone	ND		ug/kg	2.70	0.695	1
Dieldrin	ND		ug/kg	1.69	0.844	1
4,4'-DDE	ND		ug/kg	2.70	0.624	1
4,4'-DDD	ND		ug/kg	2.70	0.963	1
4,4'-DDT	4.21	J	ug/kg	5.06	2.17	1
Endosulfan I	ND		ug/kg	2.70	0.638	1
Endosulfan II	ND		ug/kg	2.70	0.902	1
Endosulfan sulfate	ND		ug/kg	1.12	0.514	1
Methoxychlor	ND		ug/kg	5.06	1.58	1
Toxaphene	ND		ug/kg	50.6	14.2	1
cis-Chlordane	ND		ug/kg	3.38	0.941	1
trans-Chlordane	ND		ug/kg	3.38	0.891	1
Chlordane	ND		ug/kg	21.9	8.95	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13**SAMPLE RESULTS**

Lab ID: L1315565-03
Client ID: FIELD BLANK
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/19/13 04:28
Analyst: SH

Date Collected: 08/13/13 00:00
Date Received: 08/13/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/16/13 01:46
Cleanup Method1: EPA 3620B
Cleanup Date1: 08/18/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.020	0.005	1
Lindane	ND		ug/l	0.020	0.004	1
Alpha-BHC	ND		ug/l	0.020	0.004	1
Beta-BHC	ND		ug/l	0.020	0.006	1
Heptachlor	ND		ug/l	0.020	0.003	1
Aldrin	ND		ug/l	0.020	0.002	1
Heptachlor epoxide	ND		ug/l	0.020	0.004	1
Endrin	ND		ug/l	0.040	0.004	1
Endrin ketone	ND		ug/l	0.040	0.005	1
Dieldrin	ND		ug/l	0.040	0.004	1
4,4'-DDE	ND		ug/l	0.040	0.004	1
4,4'-DDD	ND		ug/l	0.040	0.005	1
4,4'-DDT	ND		ug/l	0.040	0.004	1
Endosulfan I	ND		ug/l	0.020	0.003	1
Endosulfan II	ND		ug/l	0.040	0.005	1
Endosulfan sulfate	ND		ug/l	0.040	0.005	1
Methoxychlor	ND		ug/l	0.200	0.007	1
Toxaphene	ND		ug/l	0.200	0.063	1
cis-Chlordane	ND		ug/l	0.020	0.007	1
trans-Chlordane	ND		ug/l	0.020	0.006	1
Chlordane	ND		ug/l	0.200	0.046	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	45		30-150	B
Decachlorobiphenyl	45		30-150	B

Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 08/19/13 13:32
 Analyst: BW

Extraction Method: EPA 3546
 Extraction Date: 08/15/13 21:34
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 08/16/13

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG629366-1					
Delta-BHC	ND		ug/kg	1.55	0.304
Lindane	ND		ug/kg	0.647	0.289
Alpha-BHC	ND		ug/kg	0.647	0.184
Beta-BHC	ND		ug/kg	1.55	0.589
Heptachlor	ND		ug/kg	0.777	0.348
Aldrin	ND		ug/kg	1.55	0.547
Heptachlor epoxide	ND		ug/kg	2.91	0.874
Endrin	ND		ug/kg	0.647	0.265
Endrin ketone	ND		ug/kg	1.55	0.400
Dieldrin	ND		ug/kg	0.971	0.485
4,4'-DDE	ND		ug/kg	1.55	0.359
4,4'-DDD	ND		ug/kg	1.55	0.554
4,4'-DDT	ND		ug/kg	2.91	1.25
Endosulfan I	ND		ug/kg	1.55	0.367
Endosulfan II	ND		ug/kg	1.55	0.519
Endosulfan sulfate	ND		ug/kg	0.647	0.296
Methoxychlor	ND		ug/kg	2.91	0.906
Toxaphene	ND		ug/kg	29.1	8.16
cis-Chlordane	ND		ug/kg	1.94	0.541
trans-Chlordane	ND		ug/kg	1.94	0.513
Chlordane	ND		ug/kg	12.6	5.14

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 08/19/13 03:50
 Analyst: SH

Extraction Method: EPA 3510C
 Extraction Date: 08/16/13 01:46
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 08/18/13

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03 Batch: WG629406-1					
Delta-BHC	ND		ug/l	0.020	0.005
Lindane	ND		ug/l	0.020	0.004
Alpha-BHC	ND		ug/l	0.020	0.004
Beta-BHC	ND		ug/l	0.020	0.006
Heptachlor	ND		ug/l	0.020	0.003
Aldrin	ND		ug/l	0.020	0.002
Heptachlor epoxide	ND		ug/l	0.020	0.004
Endrin	ND		ug/l	0.040	0.004
Endrin ketone	ND		ug/l	0.040	0.005
Dieldrin	ND		ug/l	0.040	0.004
4,4'-DDE	ND		ug/l	0.040	0.004
4,4'-DDD	ND		ug/l	0.040	0.005
4,4'-DDT	ND		ug/l	0.040	0.004
Endosulfan I	ND		ug/l	0.020	0.003
Endosulfan II	ND		ug/l	0.040	0.005
Endosulfan sulfate	ND		ug/l	0.040	0.005
Methoxychlor	ND		ug/l	0.200	0.007
Toxaphene	ND		ug/l	0.200	0.063
cis-Chlordane	ND		ug/l	0.020	0.007
trans-Chlordane	ND		ug/l	0.020	0.006
Chlordane	ND		ug/l	0.200	0.046

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	113		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	89		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG629366-2 WG629366-3								
Delta-BHC	53		58		30-150	9		30
Lindane	59		63		30-150	7		30
Alpha-BHC	60		64		30-150	6		30
Beta-BHC	60		64		30-150	6		30
Heptachlor	77		80		30-150	4		30
Aldrin	70		73		30-150	4		30
Heptachlor epoxide	78		81		30-150	4		30
Endrin	82		86		30-150	5		30
Endrin ketone	60		61		30-150	2		30
Dieldrin	72		76		30-150	5		30
4,4'-DDE	69		71		30-150	3		30
4,4'-DDD	70		73		30-150	4		30
4,4'-DDT	71		74		30-150	4		30
Endosulfan I	70		75		30-150	7		30
Endosulfan II	68		72		30-150	6		30
Endosulfan sulfate	53		56		30-150	6		30
Methoxychlor	75		81		30-150	8		30
cis-Chlordane	61		68		30-150	11		30
trans-Chlordane	69		72		30-150	4		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG629366-2 WG629366-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		65		30-150	A
Decachlorobiphenyl	108		107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		60		30-150	B
Decachlorobiphenyl	109		109		30-150	B

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03 Batch: WG629406-2 WG629406-3

Delta-BHC	63		61		30-150	4	20
Lindane	67		64		30-150	5	20
Alpha-BHC	68		64		30-150	6	20
Beta-BHC	65		63		30-150	4	20
Heptachlor	83		78		30-150	7	20
Aldrin	75		70		30-150	7	20
Heptachlor epoxide	87		82		30-150	6	20
Endrin	90		84		30-150	6	20
Endrin ketone	78		75		30-150	3	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03 Batch: WG629406-2 WG629406-3								
Dieldrin	81		77		30-150	6		20
4,4'-DDE	74		69		30-150	8		20
4,4'-DDD	85		80		30-150	6		20
4,4'-DDT	81		77		30-150	6		20
Endosulfan I	79		75		30-150	5		20
Endosulfan II	83		80		30-150	3		20
Endosulfan sulfate	70		68		30-150	3		20
Methoxychlor	85		81		30-150	5		20
cis-Chlordane	76		72		30-150	5		20
trans-Chlordane	76		72		30-150	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		61		30-150	A
Decachlorobiphenyl	105		65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		45		30-150	B
Decachlorobiphenyl	86		53		30-150	B

METALS

Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

SAMPLE RESULTS

Lab ID: L1315565-01

Date Collected: 08/12/13 09:30

Client ID: F0016

Date Received: 08/13/13

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 68%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5500		mg/kg	11	2.3	2	08/19/13 08:40	08/19/13 14:03	EPA 3050B	1,6010C	MG
Antimony, Total	7.7		mg/kg	5.7	0.91	2	08/19/13 08:40	08/19/13 14:03	EPA 3050B	1,6010C	MG
Arsenic, Total	28		mg/kg	1.1	0.23	2	08/19/13 08:40	08/19/13 14:03	EPA 3050B	1,6010C	MG
Barium, Total	530		mg/kg	1.1	0.34	2	08/19/13 08:40	08/19/13 14:03	EPA 3050B	1,6010C	MG
Beryllium, Total	0.23	J	mg/kg	0.57	0.11	2	08/19/13 08:40	08/19/13 14:03	EPA 3050B	1,6010C	MG
Cadmium, Total	12		mg/kg	1.1	0.08	2	08/19/13 08:40	08/19/13 14:03	EPA 3050B	1,6010C	MG
Calcium, Total	5800		mg/kg	11	3.4	2	08/19/13 08:40	08/19/13 14:03	EPA 3050B	1,6010C	MG
Chromium, Total	240		mg/kg	1.1	0.23	2	08/19/13 08:40	08/19/13 14:03	EPA 3050B	1,6010C	MG
Cobalt, Total	6.7		mg/kg	2.3	0.57	2	08/19/13 08:40	08/19/13 14:03	EPA 3050B	1,6010C	MG
Copper, Total	340		mg/kg	1.1	0.23	2	08/19/13 08:40	08/19/13 14:03	EPA 3050B	1,6010C	MG
Iron, Total	61000		mg/kg	5.7	2.3	2	08/19/13 08:40	08/19/13 14:03	EPA 3050B	1,6010C	MG
Lead, Total	1700		mg/kg	5.7	0.23	2	08/19/13 08:40	08/19/13 14:03	EPA 3050B	1,6010C	MG
Magnesium, Total	1600		mg/kg	11	1.1	2	08/19/13 08:40	08/19/13 14:03	EPA 3050B	1,6010C	MG
Manganese, Total	260		mg/kg	1.1	0.23	2	08/19/13 08:40	08/19/13 14:03	EPA 3050B	1,6010C	MG
Mercury, Total	3.5		mg/kg	0.11	0.02	1	08/16/13 08:40	08/16/13 12:24	EPA 7471B	1,7471B	MC
Nickel, Total	20		mg/kg	2.8	0.45	2	08/19/13 08:40	08/19/13 14:03	EPA 3050B	1,6010C	MG
Potassium, Total	720		mg/kg	280	45.	2	08/19/13 08:40	08/19/13 14:03	EPA 3050B	1,6010C	MG
Selenium, Total	2.2	J	mg/kg	2.3	0.34	2	08/19/13 08:40	08/19/13 14:03	EPA 3050B	1,6010C	MG
Silver, Total	0.85	J	mg/kg	1.1	0.23	2	08/19/13 08:40	08/19/13 14:03	EPA 3050B	1,6010C	MG
Sodium, Total	160	J	mg/kg	230	34.	2	08/19/13 08:40	08/19/13 14:03	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	2.3	0.45	2	08/19/13 08:40	08/19/13 14:03	EPA 3050B	1,6010C	MG
Vanadium, Total	73		mg/kg	1.1	0.11	2	08/19/13 08:40	08/19/13 14:03	EPA 3050B	1,6010C	MG
Zinc, Total	2600		mg/kg	5.7	0.79	2	08/19/13 08:40	08/19/13 14:03	EPA 3050B	1,6010C	MG



Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

SAMPLE RESULTS

Lab ID: L1315565-02
 Client ID: F0005
 Sample Location: BROOKLYN, NY
 Matrix: Soil
 Percent Solids: 58%

Date Collected: 08/12/13 15:30
 Date Received: 08/13/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3100		mg/kg	13	2.7	2	08/19/13 08:40	08/19/13 14:06	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	6.7	1.1	2	08/19/13 08:40	08/19/13 14:06	EPA 3050B	1,6010C	MG
Arsenic, Total	13		mg/kg	1.3	0.27	2	08/19/13 08:40	08/19/13 14:06	EPA 3050B	1,6010C	MG
Barium, Total	170		mg/kg	1.3	0.40	2	08/19/13 08:40	08/19/13 14:06	EPA 3050B	1,6010C	MG
Beryllium, Total	0.13	J	mg/kg	0.67	0.13	2	08/19/13 08:40	08/19/13 14:06	EPA 3050B	1,6010C	MG
Cadmium, Total	9.9		mg/kg	1.3	0.09	2	08/19/13 08:40	08/19/13 14:06	EPA 3050B	1,6010C	MG
Calcium, Total	2400		mg/kg	13	4.0	2	08/19/13 08:40	08/19/13 14:06	EPA 3050B	1,6010C	MG
Chromium, Total	28		mg/kg	1.3	0.27	2	08/19/13 08:40	08/19/13 14:06	EPA 3050B	1,6010C	MG
Cobalt, Total	7.4		mg/kg	2.7	0.67	2	08/19/13 08:40	08/19/13 14:06	EPA 3050B	1,6010C	MG
Copper, Total	340		mg/kg	1.3	0.27	2	08/19/13 08:40	08/19/13 14:06	EPA 3050B	1,6010C	MG
Iron, Total	140000		mg/kg	6.7	2.7	2	08/19/13 08:40	08/19/13 14:06	EPA 3050B	1,6010C	MG
Lead, Total	380		mg/kg	6.7	0.27	2	08/19/13 08:40	08/19/13 14:06	EPA 3050B	1,6010C	MG
Magnesium, Total	1100		mg/kg	13	1.3	2	08/19/13 08:40	08/19/13 14:06	EPA 3050B	1,6010C	MG
Manganese, Total	1300		mg/kg	1.3	0.27	2	08/19/13 08:40	08/19/13 14:06	EPA 3050B	1,6010C	MG
Mercury, Total	6.2		mg/kg	0.27	0.06	2	08/16/13 08:40	08/16/13 13:53	EPA 7471B	1,7471B	MC
Nickel, Total	31		mg/kg	3.4	0.54	2	08/19/13 08:40	08/19/13 14:06	EPA 3050B	1,6010C	MG
Potassium, Total	190	J	mg/kg	340	54.	2	08/19/13 08:40	08/19/13 14:06	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	2.7	0.40	2	08/19/13 08:40	08/19/13 14:06	EPA 3050B	1,6010C	MG
Silver, Total	1.6		mg/kg	1.3	0.27	2	08/19/13 08:40	08/19/13 14:06	EPA 3050B	1,6010C	MG
Sodium, Total	100	J	mg/kg	270	40.	2	08/19/13 08:40	08/19/13 14:06	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	2.7	0.54	2	08/19/13 08:40	08/19/13 14:06	EPA 3050B	1,6010C	MG
Vanadium, Total	39		mg/kg	1.3	0.13	2	08/19/13 08:40	08/19/13 14:06	EPA 3050B	1,6010C	MG
Zinc, Total	1000		mg/kg	6.7	0.94	2	08/19/13 08:40	08/19/13 14:06	EPA 3050B	1,6010C	MG



Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

SAMPLE RESULTS

Lab ID: L1315565-03
 Client ID: FIELD BLANK
 Sample Location: BROOKLYN, NY
 Matrix: Water

Date Collected: 08/13/13 00:00
 Date Received: 08/13/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.00457	J	mg/l	0.0100	0.00200	1	08/14/13 08:05	08/15/13 19:02	EPA 3005A	1,6020A	BM
Antimony, Total	0.00042	J	mg/l	0.00200	0.00010	1	08/14/13 08:05	08/15/13 19:02	EPA 3005A	1,6020A	BM
Arsenic, Total	0.00021	J	mg/l	0.00050	0.00020	1	08/14/13 08:05	08/15/13 19:02	EPA 3005A	1,6020A	BM
Barium, Total	0.00021	J	mg/l	0.00050	0.00010	1	08/14/13 08:05	08/15/13 19:02	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/14/13 08:05	08/15/13 19:02	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/14/13 08:05	08/15/13 19:02	EPA 3005A	1,6020A	BM
Calcium, Total	0.0330	J	mg/l	0.100	0.0320	1	08/14/13 08:05	08/15/13 19:02	EPA 3005A	1,6020A	BM
Chromium, Total	0.00068	J	mg/l	0.00100	0.00020	1	08/14/13 08:05	08/15/13 19:02	EPA 3005A	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	08/14/13 08:05	08/15/13 19:02	EPA 3005A	1,6020A	BM
Copper, Total	0.00029	J	mg/l	0.00100	0.00010	1	08/14/13 08:05	08/15/13 19:02	EPA 3005A	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	08/14/13 08:05	08/15/13 19:02	EPA 3005A	1,6020A	BM
Lead, Total	0.00028	J	mg/l	0.00100	0.00020	1	08/14/13 08:05	08/15/13 19:02	EPA 3005A	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	08/14/13 08:05	08/15/13 19:02	EPA 3005A	1,6020A	BM
Manganese, Total	0.00026	J	mg/l	0.00050	0.00010	1	08/14/13 08:05	08/15/13 19:02	EPA 3005A	1,6020A	BM
Mercury, Total	0.00010	J	mg/l	0.00020	0.00006	1	08/16/13 12:38	08/17/13 07:46	EPA 7470A	1,7470A	DR
Nickel, Total	0.00045	J	mg/l	0.00050	0.00010	1	08/14/13 08:05	08/15/13 19:02	EPA 3005A	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	08/14/13 08:05	08/15/13 19:02	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	08/14/13 08:05	08/15/13 19:02	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	08/14/13 08:05	08/15/13 19:02	EPA 3005A	1,6020A	BM
Sodium, Total	0.0574	J	mg/l	0.100	0.0150	1	08/14/13 08:05	08/15/13 19:02	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	08/14/13 08:05	08/15/13 19:02	EPA 3005A	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	08/14/13 08:05	08/15/13 19:02	EPA 3005A	1,6020A	BM
Zinc, Total	0.00206	J	mg/l	0.01000	0.00120	1	08/14/13 08:05	08/15/13 19:02	EPA 3005A	1,6020A	BM



Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03 Batch: WG628803-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	08/14/13 08:05	08/15/13 18:06	1,6020A	BM
Antimony, Total	ND		mg/l	0.00200	0.00010	1	08/14/13 08:05	08/15/13 18:06	1,6020A	BM
Arsenic, Total	0.00030	J	mg/l	0.00050	0.00020	1	08/14/13 08:05	08/15/13 18:06	1,6020A	BM
Barium, Total	ND		mg/l	0.00050	0.00010	1	08/14/13 08:05	08/15/13 18:06	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/14/13 08:05	08/15/13 18:06	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/14/13 08:05	08/15/13 18:06	1,6020A	BM
Calcium, Total	ND		mg/l	0.100	0.0320	1	08/14/13 08:05	08/15/13 18:06	1,6020A	BM
Chromium, Total	0.00051	J	mg/l	0.00100	0.00020	1	08/14/13 08:05	08/15/13 18:06	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	08/14/13 08:05	08/15/13 18:06	1,6020A	BM
Copper, Total	0.00015	J	mg/l	0.00100	0.00010	1	08/14/13 08:05	08/15/13 18:06	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	08/14/13 08:05	08/15/13 18:06	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	08/14/13 08:05	08/15/13 18:06	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	08/14/13 08:05	08/15/13 18:06	1,6020A	BM
Manganese, Total	0.00018	J	mg/l	0.00050	0.00010	1	08/14/13 08:05	08/15/13 18:06	1,6020A	BM
Nickel, Total	0.00046	J	mg/l	0.00050	0.00010	1	08/14/13 08:05	08/15/13 18:06	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	08/14/13 08:05	08/15/13 18:06	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	08/14/13 08:05	08/15/13 18:06	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	08/14/13 08:05	08/15/13 18:06	1,6020A	BM
Sodium, Total	0.0551	J	mg/l	0.100	0.0150	1	08/14/13 08:05	08/15/13 18:06	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	08/14/13 08:05	08/15/13 18:06	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	08/14/13 08:05	08/15/13 18:06	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	08/14/13 08:05	08/15/13 18:06	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG629173-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/16/13 08:40	08/16/13 12:11	1,7471B	MC

Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03 Batch: WG629515-1										
Mercury, Total	0.00010	J	mg/l	0.00020	0.00006	1	08/16/13 12:38	08/17/13 07:43	1,7470A	DR

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG629846-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	08/19/13 08:40	08/19/13 12:22	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	08/19/13 08:40	08/19/13 12:22	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	08/19/13 08:40	08/19/13 12:22	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	08/19/13 08:40	08/19/13 12:22	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	08/19/13 08:40	08/19/13 12:22	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/19/13 08:40	08/19/13 12:22	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	08/19/13 08:40	08/19/13 12:22	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	08/19/13 08:40	08/19/13 12:22	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	08/19/13 08:40	08/19/13 12:22	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	08/19/13 08:40	08/19/13 12:22	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	08/19/13 08:40	08/19/13 12:22	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	08/19/13 08:40	08/19/13 12:22	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	08/19/13 08:40	08/19/13 12:22	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	08/19/13 08:40	08/19/13 12:22	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	08/19/13 08:40	08/19/13 12:22	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	08/19/13 08:40	08/19/13 12:22	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	08/19/13 08:40	08/19/13 12:22	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	08/19/13 08:40	08/19/13 12:22	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	08/19/13 08:40	08/19/13 12:22	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	08/19/13 08:40	08/19/13 12:22	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	08/19/13 08:40	08/19/13 12:22	1,6010C	MG



Project Name: 74 WALLABOUT ST.**Lab Number:** L1315565**Project Number:** RAB1301**Report Date:** 08/21/13

Method Blank Analysis Batch Quality Control

Zinc, Total	ND	mg/kg	2.0	0.28	1	08/19/13 08:40	08/19/13 12:22	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 Batch: WG628803-2								
Aluminum, Total	106		-		80-120	-		
Antimony, Total	86		-		80-120	-		
Arsenic, Total	104		-		80-120	-		
Barium, Total	94		-		80-120	-		
Beryllium, Total	101		-		80-120	-		
Cadmium, Total	104		-		80-120	-		
Calcium, Total	110		-		80-120	-		
Chromium, Total	101		-		80-120	-		
Cobalt, Total	101		-		80-120	-		
Copper, Total	107		-		80-120	-		
Iron, Total	104		-		80-120	-		
Lead, Total	94		-		80-120	-		
Magnesium, Total	109		-		80-120	-		
Manganese, Total	100		-		80-120	-		
Nickel, Total	106		-		80-120	-		
Potassium, Total	104		-		80-120	-		
Selenium, Total	108		-		80-120	-		
Silver, Total	93		-		80-120	-		
Sodium, Total	111		-		80-120	-		
Thallium, Total	94		-		80-120	-		
Vanadium, Total	100		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 Batch: WG628803-2					
Zinc, Total	109	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG629173-2 SRM Lot Number: 0518-10-02					
Mercury, Total	108	-	67-133	-	
Total Metals - Westborough Lab Associated sample(s): 03 Batch: WG629515-2					
Mercury, Total	119	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG629846-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	85	-	29-171	-	
Antimony, Total	112	-	4-196	-	
Arsenic, Total	94	-	81-119	-	
Barium, Total	92	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	89	-	82-117	-	
Calcium, Total	86	-	83-117	-	
Chromium, Total	92	-	80-119	-	
Cobalt, Total	95	-	83-117	-	
Copper, Total	92	-	83-117	-	
Iron, Total	94	-	51-150	-	
Lead, Total	93	-	80-120	-	
Magnesium, Total	92	-	74-126	-	
Manganese, Total	92	-	83-117	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	91	-	74-126	-	
Selenium, Total	98	-	80-120	-	
Silver, Total	100	-	66-134	-	
Sodium, Total	95	-	74-127	-	
Thallium, Total	96	-	79-120	-	
Vanadium, Total	89	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 74 WALLABOUT ST.**Project Number:** RAB1301**Lab Number:** L1315565**Report Date:** 08/21/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG629846-2 SRM Lot Number: 0518-10-02					
Zinc, Total	91	-	82-119	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03			QC Batch ID: WG628803-4			QC Sample: L1315590-01			Client ID: MS Sample			
Aluminum, Total	0.0438	2	2.20	108		-	-		80-120	-		20
Antimony, Total	0.00086J	0.5	0.4373	87		-	-		80-120	-		20
Arsenic, Total	ND	0.12	0.1267	106		-	-		80-120	-		20
Barium, Total	0.00019J	2	1.895	95		-	-		80-120	-		20
Beryllium, Total	ND	0.05	0.04886	98		-	-		80-120	-		20
Cadmium, Total	ND	0.051	0.05388	106		-	-		80-120	-		20
Calcium, Total	ND	10	11.1	111		-	-		80-120	-		20
Chromium, Total	0.00064J	0.2	0.2008	100		-	-		80-120	-		20
Cobalt, Total	ND	0.5	0.5185	104		-	-		80-120	-		20
Copper, Total	0.00014J	0.25	0.2718	109		-	-		80-120	-		20
Iron, Total	ND	1	1.06	106		-	-		80-120	-		20
Lead, Total	ND	0.51	0.4817	94		-	-		80-120	-		20
Magnesium, Total	ND	10	11.2	112		-	-		80-120	-		20
Manganese, Total	0.00011J	0.5	0.5027	100		-	-		80-120	-		20
Nickel, Total	0.00047J	0.5	0.5360	107		-	-		80-120	-		20
Potassium, Total	ND	10	10.5	105		-	-		80-120	-		20
Selenium, Total	ND	0.12	0.130	108		-	-		80-120	-		20
Silver, Total	0.00010J	0.05	0.04773	95		-	-		80-120	-		20
Sodium, Total	0.0402J	10	11.5	115		-	-		80-120	-		20
Thallium, Total	ND	0.12	0.1124	94		-	-		80-120	-		20
Vanadium, Total	ND	0.5	0.5039	101		-	-		80-120	-		20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG628803-4 QC Sample: L1315590-01 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.5464	109	-	-	80-120	-	20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG629173-4 QC Sample: L1315440-17 Client ID: MS Sample									
Mercury, Total	ND	0.18	0.22	122	-	-	70-130	-	35
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG629515-4 QC Sample: L1315923-01 Client ID: MS Sample									
Mercury, Total	0.00010J	0.005	0.00610	122	-	-	70-130	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG629846-4 QC Sample: L1316005-01 Client ID: MS Sample									
Aluminum, Total	8200	196	7000	0	Q	-	75-125	-	35
Antimony, Total	0.82J	49	47	96	-	-	75-125	-	35
Arsenic, Total	32.	11.8	36	34	Q	-	75-125	-	35
Barium, Total	17.	196	210	98	-	-	75-125	-	35
Beryllium, Total	0.31J	4.9	5.2	106	-	-	75-125	-	35
Cadmium, Total	0.39J	4.99	5.4	108	-	-	75-125	-	35
Calcium, Total	350	979	1200	87	-	-	75-125	-	35
Chromium, Total	92.	19.6	98	31	Q	-	75-125	-	35
Cobalt, Total	1.3J	49	51	104	-	-	75-125	-	35
Copper, Total	5.4	24.5	29	96	-	-	75-125	-	35
Iron, Total	16000	97.9	13000	0	Q	-	75-125	-	35
Lead, Total	20.	49.9	65	90	-	-	75-125	-	35
Magnesium, Total	890	979	1800	93	-	-	75-125	-	35
Manganese, Total	20.	49	65	92	-	-	75-125	-	35
Nickel, Total	2.4	49	51	104	-	-	75-125	-	35
Potassium, Total	2100	979	3000	92	-	-	75-125	-	35
Selenium, Total	0.88J	11.8	12	102	-	-	75-125	-	35
Silver, Total	ND	29.4	31	106	-	-	75-125	-	35
Sodium, Total	ND	979	1100	112	-	-	75-125	-	35
Thallium, Total	ND	11.8	12	102	-	-	75-125	-	35
Vanadium, Total	63.	49	110	96	-	-	75-125	-	35

Matrix Spike Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG629846-4 QC Sample: L1316005-01 Client ID: MS Sample									
Zinc, Total	21.	49	65	90	-	-	75-125	-	35

Lab Duplicate Analysis Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG628803-3 QC Sample: L1315590-01 Client ID: DUP Sample						
Aluminum, Total	0.0438	0.0431	mg/l	2		20
Antimony, Total	0.00086J	0.00031J	mg/l	NC		20
Arsenic, Total	ND	0.00021J	mg/l	NC		20
Barium, Total	0.00019J	0.00012J	mg/l	NC		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Calcium, Total	ND	ND	mg/l	NC		20
Chromium, Total	0.00064J	0.00072J	mg/l	NC		20
Cobalt, Total	ND	ND	mg/l	NC		20
Copper, Total	0.00014J	0.00039J	mg/l	NC		20
Iron, Total	ND	ND	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Magnesium, Total	ND	ND	mg/l	NC		20
Manganese, Total	0.00011J	0.00034J	mg/l	NC		20
Nickel, Total	0.00047J	0.00051	mg/l	NC		20
Potassium, Total	ND	ND	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	0.00010J	ND	mg/l	NC		20
Sodium, Total	0.0402J	0.0319J	mg/l	NC		20

Project Name: 74 WALLABOUT ST.
Project Number: RAB1301

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1315565
Report Date: 08/21/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG628803-3 QC Sample: L1315590-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG629173-3 QC Sample: L1315440-17 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	35
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG629515-3 QC Sample: L1315923-01 Client ID: DUP Sample					
Mercury, Total	0.00010J	0.00010J	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG629846-3 QC Sample: L1316005-01 Client ID: DUP Sample					
Arsenic, Total	32.	36	mg/kg	12	35

INORGANICS & MISCELLANEOUS

Project Name: 74 WALLABOUT ST.**Project Number:** RAB1301**Lab Number:** L1315565**Report Date:** 08/21/13**SAMPLE RESULTS****Lab ID:** L1315565-01**Client ID:** F0016**Sample Location:** BROOKLYN, NY**Matrix:** Soil**Date Collected:** 08/12/13 09:30**Date Received:** 08/13/13**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	67.7		%	0.100	NA	1	-	08/14/13 20:40	30,2540G	RT



Project Name: 74 WALLABOUT ST.**Project Number:** RAB1301**Lab Number:** L1315565**Report Date:** 08/21/13**SAMPLE RESULTS****Lab ID:** L1315565-02**Client ID:** F0005**Sample Location:** BROOKLYN, NY**Matrix:** Soil**Date Collected:** 08/12/13 15:30**Date Received:** 08/13/13**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	57.7		%	0.100	NA	1	-	08/14/13 20:40	30,2540G	RT



Project Name: 74 WALLABOUT ST.
Project Number: RAB1301

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1315565
Report Date: 08/21/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG629038-1 QC Sample: L1315556-31 Client ID: DUP Sample						
Solids, Total	95.2	95.4	%	0		20

Project Name: 74 WALLABOUT ST.

Lab Number: L1315565

Project Number: RAB1301

Report Date: 08/21/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 08/14/2013 00:58

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1315565-01A	Vial MeOH preserved	A	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1315565-01B	Vial water preserved	A	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1315565-01C	Vial water preserved	A	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1315565-01D	Plastic 2oz unpreserved for TS	A	N/A	3.0	Y	Absent	TS(7)
L1315565-01E	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1315565-01F	Amber 250ml unpreserved	A	N/A	3.0	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1315565-02A	Vial MeOH preserved	A	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1315565-02B	Vial water preserved	A	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1315565-02C	Vial water preserved	A	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1315565-02D	Plastic 2oz unpreserved for TS	A	N/A	3.0	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days



Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1315565

Report Date: 08/21/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1315565-02E	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1315565-02F	Amber 250ml unpreserved	A	N/A	3.0	Y	Absent	BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1315565-03A	Vial HCl preserved	A	N/A	3.0	Y	Absent	NYTCL-8260(14)
L1315565-03B	Vial HCl preserved	A	N/A	3.0	Y	Absent	NYTCL-8260(14)
L1315565-03C	Vial HCl preserved	A	N/A	3.0	Y	Absent	NYTCL-8260(14)
L1315565-03D	Amber 500ml unpreserved	A	7	3.0	Y	Absent	NYTCL-8081(7)
L1315565-03E	Amber 500ml unpreserved	A	7	3.0	Y	Absent	NYTCL-8081(7)
L1315565-03F	Amber 1000ml unpreserved	A	7	3.0	Y	Absent	NYTCL-8082-1200ML(7)
L1315565-03G	Amber 1000ml unpreserved	A	7	3.0	Y	Absent	NYTCL-8082-1200ML(7)
L1315565-03H	Amber 1000ml unpreserved	A	7	3.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1315565-03I	Amber 1000ml unpreserved	A	7	3.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1315565-03J	Plastic 500ml HNO3 preserved	A	<2	3.0	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1315565-04A	Vial HCl preserved	A	N/A	3.0	Y	Absent	NYTCL-8260(14)
L1315565-04B	Vial HCl preserved	A	N/A	3.0	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



Project Name: 74 WALLABOUT ST.**Project Number:** RAB1301**Lab Number:** L1315565**Report Date:** 08/21/13**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)

Container Comments

L1315565-03J

*Values in parentheses indicate holding time in days

Project Name: 74 WALLABOUT ST.
Project Number: RAB1301

Lab Number: L1315565
Report Date: 08/21/13

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

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 five times (5x) 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.
- 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.

Report Format: DU Report with "J" Qualifiers



Project Name: 74 WALLABOUT ST.
Project Number: RAB1301

Lab Number: L1315565
Report Date: 08/21/13

Data Qualifiers

- 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: 74 WALLABOUT ST.
Project Number: RAB1301

Lab Number: L1315565
Report Date: 08/21/13

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.



Certificate/Approval Program Summary

Last revised July 2, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. *Organic Parameters:* ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. *Organic Parameters:* (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. *Microbiology Parameters:* SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters: (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. NELAP Accredited.

Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

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Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO₃-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH₃-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO₃-F, 4500-NO₂-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500CI-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO₃-F, 353.2, 4500P-E, 4500SO₄-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. NELAP Accredited.

Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO₃-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500CI-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH₃-H, 4500NO₂-B, 4500NO₃-F, 4500S-D, 4500SO₃-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH₃-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. NELAP Accredited via NJ-DEP.

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commissoon on Environmental Quality Certificate/Lab ID: T104704476. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH₃-H, 4500NO₂B, 4500P-E, 4500 S²⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. NELAP Accredited.

Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO₃-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500CI-E, 4500F-B, 4500F-C, 4500NH₃-H, 4500NO₂-B, 4500NO₃-F, 4500 SO₃-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

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

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 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnaphthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

CHAIN OF CUSTODY

PAGE / OF

~~Serial No:08211315:39~~

Date Rec'd in Lab: 8/13/13

ALPHA Job #: L1315565

Project Information

Project Name: 74 Walnut St.

Project Location: Brooklyn, NY

Project #: KAB1301

Project Manager: Derek Ersbak

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 8/20/13 Time:

Client Information

Client: PW Grosser Consulting
Address: 630 Johnson Ave
Bohemia NY 11716
Phone: 631-589-6353

Fax:

Email: Ryan M @ pwgrosser.com
Derek E @ pwgrosser.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Category B Deliverables

[illegible]

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
 (Please specify below)

TO
C
T
A
I
N
S
F
O
R
C
O
N
T
E
N
T
S

Container Type

Preservative

ICE

Relinquished By:

Date/Time

Received By:

Date/Time

Abdul Masud

8/13/13 12:00
8/13/13 17:00
8/13/13 23:20

Abdul Mohd

8/13/13 12:50
8/13/13 17:00
8/13/13 23:20

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:	L1318554
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
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Project Name:	74 WALLABOUT ST.
Project Number:	RAB1301
Report Date:	09/25/13

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Project Name: 74 WALLABOUT ST.
Project Number: RAB1301

Lab Number: L1318554
Report Date: 09/25/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318554-01	MW 005	BROOKLYN, NY	09/18/13 15:00

Project Name: 74 WALLABOUT ST.
Project Number: RAB1301

Lab Number: L1318554
Report Date: 09/25/13

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 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.

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

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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

Due to the matrix of the sample, the pH was not able to be determined upon receipt.

Semivolatile Organics

L1318554-01 has elevated detection limits due to the dilution required by the sample matrix.

The surrogate recoveries for L1318554-01 are below the acceptance criteria for 2-fluorophenol, phenol-d6, nitrobenzene-d5, 2-fluorobiphenyl, 2,4,6-tribromophenol and 4-terphenyl-d14 (all at 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Semivolatile Organics-SIM

The surrogate recoveries for L1318554-01 are below the acceptance criteria for 2-fluorophenol, phenol-d6, nitrobenzene-d5, 2-fluorobiphenyl, 2,4,6-tribromophenol and 4-terphenyl-d14 (all at 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Dissolved Metals

L1318554-01: The dissolved result is greater than the total result for sodium. The elevated RPD has been attributed to the non-homogeneous nature of the sample.

The WG637730-4 MS recovery for iron (0%), performed on L1318554-01, does not apply because the sample concentration is greater than four times the spike amount added.

The WG637730-4 MS recoveries, performed on L1318554-01, are below the acceptance criteria for antimony (71%) and silver (70%). A post digestion spike was performed with acceptable recoveries for antimony (110%) and silver (92%).

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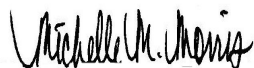
Lab Number: L1318554
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Case Narrative (continued)

The WG637730-4 MS recovery, performed on L1318554-01, is above the acceptance criteria for potassium (215%). A post digestion spike was performed with an unacceptable recovery of 129%. This has been attributed to 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:



Michelle M. Morris

Title: Technical Director/Representative

Date: 09/25/13

ORGANICS

SEMIVOLATILES

Project Name: 74 WALLABOUT ST.**Lab Number:** L1318554**Project Number:** RAB1301**Report Date:** 09/25/13**SAMPLE RESULTS**

Lab ID: L1318554-01 D2
Client ID: MW 005
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/24/13 12:07
Analyst: HL

Date Collected: 09/18/13 15:00
Date Received: 09/19/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 09/20/13 05:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

2-Methylnaphthalene	2200		ug/l	100	30.	500

Project Name: 74 WALLABOUT ST.**Lab Number:** L1318554**Project Number:** RAB1301**Report Date:** 09/25/13**SAMPLE RESULTS**

Lab ID: L1318554-01 D
Client ID: MW 005
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/25/13 14:30
Analyst: RC

Date Collected: 09/18/13 15:00
Date Received: 09/19/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 09/20/13 05:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	100	13.	20
Bis(2-chloroethyl)ether	ND		ug/l	40	7.8	20
1,2-Dichlorobenzene	ND		ug/l	40	11.	20
1,3-Dichlorobenzene	ND		ug/l	40	11.	20
1,4-Dichlorobenzene	ND		ug/l	40	11.	20
3,3'-Dichlorobenzidine	ND		ug/l	100	17.	20
2,4-Dinitrotoluene	ND		ug/l	100	8.9	20
2,6-Dinitrotoluene	ND		ug/l	100	9.2	20
4-Chlorophenyl phenyl ether	ND		ug/l	40	12.	20
4-Bromophenyl phenyl ether	ND		ug/l	40	13.	20
Bis(2-chloroisopropyl)ether	ND		ug/l	40	10.	20
Bis(2-chloroethoxy)methane	ND		ug/l	100	8.0	20
Hexachlorocyclopentadiene	ND		ug/l	400	41.	20
Isophorone	ND		ug/l	100	7.0	20
Nitrobenzene	ND		ug/l	40	10.	20
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	40	14.	20
n-Nitrosodi-n-propylamine	ND		ug/l	100	7.8	20
Bis(2-Ethylhexyl)phthalate	ND		ug/l	60	28.	20
Butyl benzyl phthalate	ND		ug/l	100	9.2	20
Di-n-butylphthalate	ND		ug/l	100	11.	20
Di-n-octylphthalate	ND		ug/l	100	11.	20
Diethyl phthalate	ND		ug/l	100	9.0	20
Dimethyl phthalate	ND		ug/l	100	9.0	20
Biphenyl	ND		ug/l	40	10.	20
4-Chloroaniline	ND		ug/l	100	16.	20
2-Nitroaniline	ND		ug/l	100	8.0	20
3-Nitroaniline	ND		ug/l	100	12.	20
4-Nitroaniline	ND		ug/l	100	11.	20
Dibenzofuran	ND		ug/l	40	9.5	20
1,2,4,5-Tetrachlorobenzene	ND		ug/l	200	13.	20
Acetophenone	ND		ug/l	100	11.	20

Project Name: 74 WALLABOUT ST.**Lab Number:** L1318554**Project Number:** RAB1301**Report Date:** 09/25/13**SAMPLE RESULTS**

Lab ID: L1318554-01 D

Date Collected: 09/18/13 15:00

Client ID: MW 005

Date Received: 09/19/13

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	100	9.0	20
P-Chloro-M-Cresol	ND		ug/l	40	10.	20
2-Chlorophenol	ND		ug/l	40	6.8	20
2,4-Dichlorophenol	ND		ug/l	100	8.6	20
2,4-Dimethylphenol	ND		ug/l	100	25.	20
2-Nitrophenol	ND		ug/l	200	9.5	20
4-Nitrophenol	ND		ug/l	200	24.	20
2,4-Dinitrophenol	ND		ug/l	400	28.	20
4,6-Dinitro-o-cresol	ND		ug/l	200	12.	20
Phenol	ND		ug/l	100	5.3	20
2-Methylphenol	ND		ug/l	100	10.	20
3-Methylphenol/4-Methylphenol	ND		ug/l	100	9.4	20
2,4,5-Trichlorophenol	ND		ug/l	100	8.9	20
Benzoic Acid	ND		ug/l	1000	20.	20
Benzyl Alcohol	ND		ug/l	40	9.5	20
Carbazole	ND		ug/l	40	10.	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	21-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	15-120
2,4,6-Tribromophenol	0	Q	10-120
4-Terphenyl-d14	0	Q	41-149

Project Name: 74 WALLABOUT ST.**Lab Number:** L1318554**Project Number:** RAB1301**Report Date:** 09/25/13**SAMPLE RESULTS**

Lab ID: L1318554-01 D
 Client ID: MW 005
 Sample Location: BROOKLYN, NY
 Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 09/21/13 00:12
 Analyst: HL

Date Collected: 09/18/13 15:00
 Date Received: 09/19/13
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 09/20/13 05:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	130		ug/l	10	3.2	50
2-Chloronaphthalene	ND		ug/l	10	3.3	50
Fluoranthene	50		ug/l	10	2.2	50
Hexachlorobutadiene	ND		ug/l	25	3.6	50
Naphthalene	170		ug/l	10	3.2	50
Benzo(a)anthracene	32		ug/l	10	2.8	50
Benzo(a)pyrene	23		ug/l	10	3.4	50
Benzo(b)fluoranthene	11		ug/l	10	3.6	50
Benzo(k)fluoranthene	ND		ug/l	10	3.4	50
Chrysene	49		ug/l	10	2.4	50
Acenaphthylene	67		ug/l	10	2.5	50
Anthracene	50		ug/l	10	3.2	50
Benzo(ghi)perylene	14		ug/l	10	3.5	50
Fluorene	150		ug/l	10	2.8	50
Phenanthrene	350		ug/l	10	3.2	50
Dibenzo(a,h)anthracene	ND		ug/l	10	3.6	50
Indeno(1,2,3-cd)Pyrene	ND		ug/l	10	4.0	50
Pyrene	170		ug/l	10	2.8	50
2-Methylnaphthalene	3600	E	ug/l	10	3.0	50
Pentachlorophenol	ND		ug/l	40	9.4	50
Hexachlorobenzene	ND		ug/l	40	0.70	50
Hexachloroethane	ND		ug/l	40	3.2	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	21-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	15-120
2,4,6-Tribromophenol	0	Q	10-120
4-Terphenyl-d14	0	Q	41-149

Project Name: 74 WALLABOUT ST.

Lab Number: L1318554

Project Number: RAB1301

Report Date: 09/25/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/21/13 14:54
 Analyst: RC

Extraction Method: EPA 3510C
 Extraction Date: 09/20/13 05:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG637654-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40
Hexachlorocyclopentadiene	ND		ug/l	20	2.1
Isophorone	ND		ug/l	5.0	0.35
Nitrobenzene	ND		ug/l	2.0	0.50
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	0.46
Di-n-butylphthalate	ND		ug/l	5.0	0.54
Di-n-octylphthalate	ND		ug/l	5.0	0.53
Diethyl phthalate	ND		ug/l	5.0	0.45
Dimethyl phthalate	ND		ug/l	5.0	0.45
Biphenyl	ND		ug/l	2.0	0.50
4-Chloroaniline	ND		ug/l	5.0	0.83
2-Nitroaniline	ND		ug/l	5.0	0.40
3-Nitroaniline	ND		ug/l	5.0	0.59
4-Nitroaniline	ND		ug/l	5.0	0.55
Dibenzofuran	ND		ug/l	2.0	0.47
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65
Acetophenone	ND		ug/l	5.0	0.55

Project Name: 74 WALLABOUT ST.

Lab Number: L1318554

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Report Date: 09/25/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/21/13 14:54
 Analyst: RC

Extraction Method: EPA 3510C
 Extraction Date: 09/20/13 05:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG637654-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50
2-Chlorophenol	ND		ug/l	2.0	0.34
2,4-Dichlorophenol	ND		ug/l	5.0	0.43
2,4-Dimethylphenol	ND		ug/l	5.0	1.2
2-Nitrophenol	ND		ug/l	10	0.48
4-Nitrophenol	ND		ug/l	10	1.2
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59
Phenol	ND		ug/l	5.0	0.26
2-Methylphenol	ND		ug/l	5.0	0.53
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.53

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	76		41-149

Project Name: 74 WALLABOUT ST.

Lab Number: L1318554

Project Number: RAB1301

Report Date: 09/25/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 09/20/13 22:42
 Analyst: HL

Extraction Method: EPA 3510C
 Extraction Date: 09/20/13 05:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG637655-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: 74 WALLABOUT ST.

Lab Number: L1318554

Project Number: RAB1301

Report Date: 09/25/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 09/20/13 22:42
 Analyst: HL

Extraction Method: EPA 3510C
 Extraction Date: 09/20/13 05:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG637655-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	75		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1318554

Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG637654-2 WG637654-3								
1,2,4-Trichlorobenzene	60		67		39-98	11		30
Bis(2-chloroethyl)ether	56		65		40-140	15		30
1,2-Dichlorobenzene	54		64		40-140	17		30
1,3-Dichlorobenzene	52		62		40-140	18		30
1,4-Dichlorobenzene	52		62		36-97	18		30
3,3'-Dichlorobenzidine	71		67		40-140	6		30
2,4-Dinitrotoluene	86		88		24-96	2		30
2,6-Dinitrotoluene	85		84		40-140	1		30
4-Chlorophenyl phenyl ether	82		79		40-140	4		30
4-Bromophenyl phenyl ether	87		85		40-140	2		30
Bis(2-chloroisopropyl)ether	56		64		40-140	13		30
Bis(2-chloroethoxy)methane	63		68		40-140	8		30
Hexachlorocyclopentadiene	66		68		40-140	3		30
Isophorone	68		71		40-140	4		30
Nitrobenzene	76		84		40-140	10		30
NitrosoDiPhenylAmine(NDPA)/DPA	86		85		40-140	1		30
n-Nitrosodi-n-propylamine	66		71		29-132	7		30
Bis(2-Ethylhexyl)phthalate	90		88		40-140	2		30
Butyl benzyl phthalate	95		92		40-140	3		30
Di-n-butylphthalate	98		96		40-140	2		30
Di-n-octylphthalate	95		92		40-140	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1318554

Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG637654-2 WG637654-3								
Diethyl phthalate	87		84		40-140	4		30
Dimethyl phthalate	83		82		40-140	1		30
Biphenyl	82		83			1		30
4-Chloroaniline	57		63		40-140	10		30
2-Nitroaniline	85		86		52-143	1		30
3-Nitroaniline	49		44		25-145	11		30
4-Nitroaniline	82		78		51-143	5		30
Dibenzofuran	82		81		40-140	1		30
1,2,4,5-Tetrachlorobenzene	76		79		2-134	4		30
Acetophenone	69		76		39-129	10		30
2,4,6-Trichlorophenol	92		92		30-130	0		30
P-Chloro-M-Cresol	85		84		23-97	1		30
2-Chlorophenol	63		73		27-123	15		30
2,4-Dichlorophenol	82		85		30-130	4		30
2,4-Dimethylphenol	75		79		30-130	5		30
2-Nitrophenol	77		84		30-130	9		30
4-Nitrophenol	69		71		10-80	3		30
2,4-Dinitrophenol	111		111		20-130	0		30
4,6-Dinitro-o-cresol	102		101		20-164	1		30
Phenol	34		39		12-110	14		30
2-Methylphenol	65		71		30-130	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1318554

Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG637654-2 WG637654-3								
3-Methylphenol/4-Methylphenol	68		73		30-130	7		30
2,4,5-Trichlorophenol	92		89		30-130	3		30
Benzoic Acid	54		50			8		30
Benzyl Alcohol	58		64			10		30
Carbazole	89		87		55-144	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	49		58		21-120
Phenol-d6	35		40		10-120
Nitrobenzene-d5	71		79		23-120
2-Fluorobiphenyl	81		83		15-120
2,4,6-Tribromophenol	95		93		10-120
4-Terphenyl-d14	84		83		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1318554

Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG637655-2 WG637655-3								
Acenaphthene	75		75		37-111	0		40
2-Chloronaphthalene	70		73		40-140	4		40
Fluoranthene	80		87		40-140	8		40
Hexachlorobutadiene	71		69		40-140	3		40
Naphthalene	70		69		40-140	1		40
Benzo(a)anthracene	85		90		40-140	6		40
Benzo(a)pyrene	85		92		40-140	8		40
Benzo(b)fluoranthene	84		91		40-140	8		40
Benzo(k)fluoranthene	87		94		40-140	8		40
Chrysene	77		76		40-140	1		40
Acenaphthylene	84		87		40-140	4		40
Anthracene	72		79		40-140	9		40
Benzo(ghi)perylene	70		75		40-140	7		40
Fluorene	91		91		40-140	0		40
Phenanthrene	67		73		40-140	9		40
Dibenzo(a,h)anthracene	73		79		40-140	8		40
Indeno(1,2,3-cd)Pyrene	74		79		40-140	7		40
Pyrene	76		83		26-127	9		40
2-Methylnaphthalene	75		77		40-140	3		40
Pentachlorophenol	55		61		9-103	10		40
Hexachlorobenzene	67		74		40-140	10		40

Lab Control Sample Analysis Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1318554

Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG637655-2 WG637655-3								
Hexachloroethane	78		77		40-140	1		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		56		21-120
Phenol-d6	40		41		10-120
Nitrobenzene-d5	87		88		23-120
2-Fluorobiphenyl	86		90		15-120
2,4,6-Tribromophenol	90		97		10-120
4-Terphenyl-d14	79		86		41-149

METALS

Project Name: 74 WALLABOUT ST.

Lab Number: L1318554

Project Number: RAB1301

Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318554-01

Date Collected: 09/18/13 15:00

Client ID: MW 005

Date Received: 09/19/13

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3.71		mg/l	0.100	0.0200	10	09/20/13 08:06	09/21/13 11:03	EPA 3005A	1,6020A	AK
Antimony, Total	0.00054	J	mg/l	0.00100	0.00010	1	09/20/13 08:06	09/21/13 11:06	EPA 3005A	1,6020A	AK
Arsenic, Total	0.00926		mg/l	0.00050	0.00010	1	09/20/13 08:06	09/21/13 11:06	EPA 3005A	1,6020A	AK
Barium, Total	0.2087		mg/l	0.00050	0.00010	1	09/20/13 08:06	09/21/13 11:06	EPA 3005A	1,6020A	AK
Beryllium, Total	0.00037	J	mg/l	0.00050	0.00010	1	09/20/13 08:06	09/21/13 11:06	EPA 3005A	1,6020A	AK
Cadmium, Total	0.00015	J	mg/l	0.00050	0.00005	1	09/20/13 08:06	09/21/13 11:06	EPA 3005A	1,6020A	AK
Calcium, Total	88.2		mg/l	1.00	0.320	10	09/20/13 08:06	09/21/13 11:03	EPA 3005A	1,6020A	AK
Chromium, Total	0.01246		mg/l	0.00150	0.00020	1	09/20/13 08:06	09/21/13 11:06	EPA 3005A	1,6020A	AK
Cobalt, Total	0.00467		mg/l	0.00050	0.00010	1	09/20/13 08:06	09/21/13 11:06	EPA 3005A	1,6020A	AK
Copper, Total	0.09169		mg/l	0.00100	0.00010	1	09/20/13 08:06	09/21/13 11:06	EPA 3005A	1,6020A	AK
Iron, Total	48.2		mg/l	0.0500	0.0130	1	09/20/13 08:06	09/21/13 11:06	EPA 3005A	1,6020A	AK
Lead, Total	0.04704		mg/l	0.00100	0.00020	1	09/20/13 08:06	09/21/13 11:06	EPA 3005A	1,6020A	AK
Magnesium, Total	25.4		mg/l	1.00	0.230	10	09/20/13 08:06	09/21/13 11:03	EPA 3005A	1,6020A	AK
Manganese, Total	1.437		mg/l	0.00500	0.00100	10	09/20/13 08:06	09/21/13 11:03	EPA 3005A	1,6020A	AK
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/21/13 10:30	09/23/13 15:00	EPA 7470A	1,7470A	JH
Nickel, Total	0.00699		mg/l	0.00050	0.00010	1	09/20/13 08:06	09/21/13 11:06	EPA 3005A	1,6020A	AK
Potassium, Total	23.6		mg/l	1.00	0.270	10	09/20/13 08:06	09/21/13 11:03	EPA 3005A	1,6020A	AK
Selenium, Total	0.00091	J	mg/l	0.00500	0.00030	1	09/20/13 08:06	09/21/13 11:06	EPA 3005A	1,6020A	AK
Silver, Total	0.00025	J	mg/l	0.00050	0.00010	1	09/20/13 08:06	09/21/13 11:06	EPA 3005A	1,6020A	AK
Sodium, Total	54.9		mg/l	1.00	0.150	10	09/20/13 08:06	09/21/13 11:03	EPA 3005A	1,6020A	AK
Thallium, Total	0.00007	J	mg/l	0.00050	0.00003	1	09/20/13 08:06	09/21/13 11:06	EPA 3005A	1,6020A	AK
Vanadium, Total	0.02928		mg/l	0.00500	0.00010	1	09/20/13 08:06	09/21/13 11:06	EPA 3005A	1,6020A	AK
Zinc, Total	0.1059		mg/l	0.01000	0.00120	1	09/20/13 08:06	09/21/13 11:06	EPA 3005A	1,6020A	AK

Dissolved Metals - Westborough Lab

Aluminum, Dissolved	ND		mg/l	0.0100	0.00200	1	09/20/13 09:47	09/21/13 09:57	NA	1,6020A	AK
Antimony, Dissolved	0.00072	J	mg/l	0.00100	0.00010	1	09/20/13 09:47	09/21/13 09:57	NA	1,6020A	AK
Arsenic, Dissolved	0.00117		mg/l	0.00050	0.00020	1	09/20/13 09:47	09/21/13 09:57	NA	1,6020A	AK
Barium, Dissolved	0.1425		mg/l	0.00050	0.00010	1	09/20/13 09:47	09/21/13 09:57	NA	1,6020A	AK
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	09/20/13 09:47	09/21/13 09:57	NA	1,6020A	AK
Cadmium, Dissolved	ND		mg/l	0.00050	0.00005	1	09/20/13 09:47	09/21/13 09:57	NA	1,6020A	AK



Project Name: 74 WALLABOUT ST.

Lab Number: L1318554

Project Number: RAB1301

Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318554-01

Date Collected: 09/18/13 15:00

Client ID: MW 005

Date Received: 09/19/13

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	98.7		mg/l	1.00	0.320	10	09/20/13 09:47	09/21/13 09:50	NA	1,6020A	AK
Chromium, Dissolved	0.00145	J	mg/l	0.00150	0.00020	1	09/20/13 09:47	09/21/13 09:57	NA	1,6020A	AK
Cobalt, Dissolved	0.00088		mg/l	0.00050	0.00010	1	09/20/13 09:47	09/21/13 09:57	NA	1,6020A	AK
Copper, Dissolved	0.00065	J	mg/l	0.00100	0.00010	1	09/20/13 09:47	09/21/13 09:57	NA	1,6020A	AK
Iron, Dissolved	12.6		mg/l	0.0500	0.0130	1	09/20/13 09:47	09/21/13 09:57	NA	1,6020A	AK
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	09/20/13 09:47	09/21/13 09:57	NA	1,6020A	AK
Magnesium, Dissolved	30.6		mg/l	1.00	0.230	10	09/20/13 09:47	09/21/13 09:50	NA	1,6020A	AK
Manganese, Dissolved	0.3854		mg/l	0.00050	0.00010	1	09/20/13 09:47	09/21/13 09:57	NA	1,6020A	AK
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	09/24/13 09:20	09/24/13 13:59	EPA 7470A	1,7470A	DR
Nickel, Dissolved	0.00360		mg/l	0.00050	0.00010	1	09/20/13 09:47	09/21/13 09:57	NA	1,6020A	AK
Potassium, Dissolved	23.9		mg/l	1.00	0.270	10	09/20/13 09:47	09/21/13 09:50	NA	1,6020A	AK
Selenium, Dissolved	0.00032	J	mg/l	0.00500	0.00030	1	09/20/13 09:47	09/21/13 09:57	NA	1,6020A	AK
Silver, Dissolved	ND		mg/l	0.00050	0.00010	1	09/20/13 09:47	09/21/13 09:57	NA	1,6020A	AK
Sodium, Dissolved	75.7		mg/l	1.00	0.150	10	09/20/13 09:47	09/21/13 09:50	NA	1,6020A	AK
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	09/20/13 09:47	09/21/13 09:57	NA	1,6020A	AK
Vanadium, Dissolved	0.00017	J	mg/l	0.00500	0.00010	1	09/20/13 09:47	09/21/13 09:57	NA	1,6020A	AK
Zinc, Dissolved	0.03058		mg/l	0.01000	0.00120	1	09/20/13 09:47	09/21/13 09:57	NA	1,6020A	AK



Project Name: 74 WALLABOUT ST.

Lab Number: L1318554

Project Number: RAB1301

Report Date: 09/25/13

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01 Batch: WG637730-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00200	1	09/20/13 09:47	09/21/13 09:43	1,6020A	AK
Antimony, Dissolved	0.00082	J	mg/l	0.00100	0.00010	1	09/20/13 09:47	09/21/13 09:43	1,6020A	AK
Arsenic, Dissolved	ND		mg/l	0.00050	0.00020	1	09/20/13 09:47	09/21/13 09:43	1,6020A	AK
Barium, Dissolved	ND		mg/l	0.00050	0.00010	1	09/20/13 09:47	09/21/13 09:43	1,6020A	AK
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	09/20/13 09:47	09/21/13 09:43	1,6020A	AK
Cadmium, Dissolved	ND		mg/l	0.00050	0.00005	1	09/20/13 09:47	09/21/13 09:43	1,6020A	AK
Calcium, Dissolved	ND		mg/l	0.100	0.0320	1	09/20/13 09:47	09/21/13 09:43	1,6020A	AK
Chromium, Dissolved	0.00101	J	mg/l	0.00150	0.00020	1	09/20/13 09:47	09/21/13 09:43	1,6020A	AK
Cobalt, Dissolved	ND		mg/l	0.00050	0.00010	1	09/20/13 09:47	09/21/13 09:43	1,6020A	AK
Copper, Dissolved	ND		mg/l	0.00100	0.00010	1	09/20/13 09:47	09/21/13 09:43	1,6020A	AK
Iron, Dissolved	ND		mg/l	0.0500	0.0130	1	09/20/13 09:47	09/21/13 09:43	1,6020A	AK
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	09/20/13 09:47	09/21/13 09:43	1,6020A	AK
Magnesium, Dissolved	ND		mg/l	0.100	0.0230	1	09/20/13 09:47	09/21/13 09:43	1,6020A	AK
Manganese, Dissolved	ND		mg/l	0.00050	0.00010	1	09/20/13 09:47	09/21/13 09:43	1,6020A	AK
Nickel, Dissolved	0.00036	J	mg/l	0.00050	0.00010	1	09/20/13 09:47	09/21/13 09:43	1,6020A	AK
Potassium, Dissolved	ND		mg/l	0.100	0.0270	1	09/20/13 09:47	09/21/13 09:43	1,6020A	AK
Selenium, Dissolved	ND		mg/l	0.00500	0.00030	1	09/20/13 09:47	09/21/13 09:43	1,6020A	AK
Silver, Dissolved	ND		mg/l	0.00050	0.00010	1	09/20/13 09:47	09/21/13 09:43	1,6020A	AK
Sodium, Dissolved	ND		mg/l	0.100	0.0150	1	09/20/13 09:47	09/21/13 09:43	1,6020A	AK
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	09/20/13 09:47	09/21/13 09:43	1,6020A	AK
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	09/20/13 09:47	09/21/13 09:43	1,6020A	AK
Zinc, Dissolved	0.00629	J	mg/l	0.01000	0.00120	1	09/20/13 09:47	09/21/13 09:43	1,6020A	AK

Prep Information

Digestion Method: NA

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG637971-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	09/20/13 08:06	09/21/13 10:37	1,6020A	AK
Antimony, Total	0.00046	J	mg/l	0.00100	0.00010	1	09/20/13 08:06	09/21/13 10:37	1,6020A	AK
Arsenic, Total	0.00012	J	mg/l	0.00050	0.00010	1	09/20/13 08:06	09/21/13 10:37	1,6020A	AK
Barium, Total	ND		mg/l	0.00050	0.00010	1	09/20/13 08:06	09/21/13 10:37	1,6020A	AK



Project Name: 74 WALLABOUT ST.

Lab Number: L1318554

Project Number: RAB1301

Report Date: 09/25/13

Method Blank Analysis Batch Quality Control

Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/20/13 08:06	09/21/13 10:37	1,6020A	AK
Cadmium, Total	ND		mg/l	0.00050	0.00005	1	09/20/13 08:06	09/21/13 10:37	1,6020A	AK
Calcium, Total	ND		mg/l	0.100	0.0320	1	09/20/13 08:06	09/21/13 10:37	1,6020A	AK
Chromium, Total	0.00051	J	mg/l	0.00150	0.00020	1	09/20/13 08:06	09/21/13 10:37	1,6020A	AK
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	09/20/13 08:06	09/21/13 10:37	1,6020A	AK
Copper, Total	ND		mg/l	0.00100	0.00010	1	09/20/13 08:06	09/21/13 10:37	1,6020A	AK
Iron, Total	ND		mg/l	0.0500	0.0130	1	09/20/13 08:06	09/21/13 10:37	1,6020A	AK
Lead, Total	ND		mg/l	0.00100	0.00020	1	09/20/13 08:06	09/21/13 10:37	1,6020A	AK
Magnesium, Total	ND		mg/l	0.100	0.0230	1	09/20/13 08:06	09/21/13 10:37	1,6020A	AK
Manganese, Total	ND		mg/l	0.00050	0.00010	1	09/20/13 08:06	09/21/13 10:37	1,6020A	AK
Nickel, Total	0.00020	J	mg/l	0.00050	0.00010	1	09/20/13 08:06	09/21/13 10:37	1,6020A	AK
Potassium, Total	ND		mg/l	0.100	0.0270	1	09/20/13 08:06	09/21/13 10:37	1,6020A	AK
Selenium, Total	ND		mg/l	0.00500	0.00030	1	09/20/13 08:06	09/21/13 10:37	1,6020A	AK
Silver, Total	ND		mg/l	0.00050	0.00010	1	09/20/13 08:06	09/21/13 10:37	1,6020A	AK
Sodium, Total	ND		mg/l	0.100	0.0150	1	09/20/13 08:06	09/21/13 10:37	1,6020A	AK
Thallium, Total	ND		mg/l	0.00050	0.00003	1	09/20/13 08:06	09/21/13 10:37	1,6020A	AK
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	09/20/13 08:06	09/21/13 10:37	1,6020A	AK
Zinc, Total	ND		mg/l	0.01000	0.00120	1	09/20/13 08:06	09/21/13 10:37	1,6020A	AK

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG637983-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/21/13 10:30	09/23/13 14:48	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01 Batch: WG638497-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	09/24/13 09:20	09/24/13 13:55	1,7470A	DR



Project Name: 74 WALLABOUT ST.

Lab Number: L1318554

Project Number: RAB1301

Report Date: 09/25/13

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1318554

Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01 Batch: WG637730-2								
Aluminum, Dissolved	102		-		80-120	-		
Antimony, Dissolved	80		-		80-120	-		
Arsenic, Dissolved	89		-		80-120	-		
Barium, Dissolved	93		-		80-120	-		
Beryllium, Dissolved	97		-		80-120	-		
Cadmium, Dissolved	108		-		80-120	-		
Calcium, Dissolved	95		-		80-120	-		
Chromium, Dissolved	91		-		80-120	-		
Cobalt, Dissolved	94		-		80-120	-		
Copper, Dissolved	95		-		80-120	-		
Iron, Dissolved	98		-		80-120	-		
Lead, Dissolved	102		-		80-120	-		
Magnesium, Dissolved	96		-		80-120	-		
Manganese, Dissolved	92		-		80-120	-		
Nickel, Dissolved	94		-		80-120	-		
Potassium, Dissolved	94		-		80-120	-		
Selenium, Dissolved	107		-		80-120	-		
Silver, Dissolved	103		-		80-120	-		
Sodium, Dissolved	93		-		80-120	-		
Thallium, Dissolved	93		-		80-120	-		
Vanadium, Dissolved	96		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 74 WALLABOUT ST.**Project Number:** RAB1301**Lab Number:** L1318554**Report Date:** 09/25/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01 Batch: WG637730-2					
Zinc, Dissolved	103	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1318554

Report Date: 09/25/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG637971-2					
Aluminum, Total	104	-	80-120	-	
Antimony, Total	90	-	80-120	-	
Arsenic, Total	95	-	80-120	-	
Barium, Total	97	-	80-120	-	
Beryllium, Total	100	-	80-120	-	
Cadmium, Total	115	-	80-120	-	
Calcium, Total	96	-	80-120	-	
Chromium, Total	96	-	80-120	-	
Cobalt, Total	100	-	80-120	-	
Copper, Total	101	-	80-120	-	
Iron, Total	99	-	80-120	-	
Lead, Total	105	-	80-120	-	
Magnesium, Total	99	-	80-120	-	
Manganese, Total	97	-	80-120	-	
Nickel, Total	100	-	80-120	-	
Potassium, Total	96	-	80-120	-	
Selenium, Total	113	-	80-120	-	
Silver, Total	107	-	80-120	-	
Sodium, Total	95	-	80-120	-	
Thallium, Total	96	-	80-120	-	
Vanadium, Total	101	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1318554

Report Date: 09/25/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG637971-2					
Zinc, Total	108	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG637983-2					
Mercury, Total	94	-	80-120	-	
Dissolved Metals - Westborough Lab Associated sample(s): 01 Batch: WG638497-2					
Mercury, Dissolved	102	-	70-130	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1318554

Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG637730-4 QC Sample: L1318554-01 Client ID: MW 005												
Aluminum, Dissolved	ND	2	2.00	100		-	-		80-120	-		20
Antimony, Dissolved	0.00072J	0.5	0.3535	71	Q	-	-		80-120	-		20
Arsenic, Dissolved	0.00117	0.12	0.1144	94		-	-		80-120	-		20
Barium, Dissolved	0.1425	2	2.008	93		-	-		80-120	-		20
Beryllium, Dissolved	ND	0.05	0.04701	94		-	-		80-120	-		20
Cadmium, Dissolved	ND	0.051	0.05517	108		-	-		80-120	-		20
Calcium, Dissolved	98.7	10	109	103		-	-		80-120	-		20
Chromium, Dissolved	0.00145J	0.2	0.1872	94		-	-		80-120	-		20
Cobalt, Dissolved	0.00088	0.5	0.4822	96		-	-		80-120	-		20
Copper, Dissolved	0.00065J	0.25	0.2442	98		-	-		80-120	-		20
Iron, Dissolved	12.6	1	12.4	0	Q	-	-		80-120	-		20
Lead, Dissolved	ND	0.51	0.5197	102		-	-		80-120	-		20
Magnesium, Dissolved	30.6	10	40.9	103		-	-		80-120	-		20
Manganese, Dissolved	0.3854	0.5	0.8188	87		-	-		80-120	-		20
Nickel, Dissolved	0.00360	0.5	0.4793	95		-	-		80-120	-		20
Potassium, Dissolved	23.9	10	45.4	215	Q	-	-		80-120	-		20
Selenium, Dissolved	0.00032J	0.12	0.125	104		-	-		80-120	-		20
Silver, Dissolved	ND	0.05	0.03504	70	Q	-	-		80-120	-		20
Sodium, Dissolved	75.7	10	87.7	120		-	-		80-120	-		20
Thallium, Dissolved	ND	0.12	0.1105	92		-	-		80-120	-		20
Vanadium, Dissolved	0.00017J	0.5	0.4976	100		-	-		80-120	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1318554

Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG637730-4 QC Sample: L1318554-01 Client ID: MW 005									
Zinc, Dissolved	0.03058	0.5	0.5430	102	-	-	80-120	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1318554

Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG637971-4 QC Sample: L1317112-31 Client ID: MS Sample									
Aluminum, Total	0.00202J	2	1.88	94	-	-	80-120	-	20
Antimony, Total	0.00075J	0.5	0.5290	106	-	-	80-120	-	20
Arsenic, Total	0.00519	0.12	0.1310	105	-	-	80-120	-	20
Barium, Total	1.346	2	3.316	84	-	-	80-120	-	20
Beryllium, Total	ND	0.05	0.04310	86	-	-	80-120	-	20
Cadmium, Total	0.00005J	0.051	0.05461	107	-	-	80-120	-	20
Calcium, Total	507.	10	365	0	Q	-	80-120	-	20
Chromium, Total	0.00083J	0.2	0.1925	96	-	-	80-120	-	20
Cobalt, Total	0.00612	0.5	0.4933	97	-	-	80-120	-	20
Copper, Total	0.00069J	0.25	0.2469	99	-	-	80-120	-	20
Iron, Total	2.38	1	3.07	69	Q	-	80-120	-	20
Lead, Total	ND	0.51	0.5334	104	-	-	80-120	-	20
Magnesium, Total	129.	10	134	10	Q	-	80-120	-	20
Manganese, Total	0.3915	0.5	0.8142	84	-	-	80-120	-	20
Nickel, Total	0.00537	0.5	0.4872	96	-	-	80-120	-	20
Potassium, Total	2.17	10	12.4	102	-	-	80-120	-	20
Selenium, Total	ND	0.12	0.114	95	-	-	80-120	-	20
Silver, Total	ND	0.05	0.04782	96	-	-	80-120	-	20
Sodium, Total	273.	10	300	1640	Q	-	80-120	-	20
Thallium, Total	ND	0.12	0.1144	95	-	-	80-120	-	20
Vanadium, Total	0.00067J	0.5	0.5099	102	-	-	80-120	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1318554

Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG637971-4 QC Sample: L1317112-31 Client ID: MS Sample									
Zinc, Total	0.01088	0.5	0.5124	100	-	-	80-120	-	20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG637983-4 QC Sample: L1318159-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00585	117	-	-	70-130	-	20
Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG638497-4 QC Sample: L1318554-01 Client ID: MW 005									
Mercury, Dissolved	ND	0.005	0.00486	97	-	-	70-130	-	20

Lab Duplicate Analysis Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1318554

Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG637730-3 QC Sample: L1318554-01 Client ID: MW 005						
Calcium, Dissolved	98.7	96.2	mg/l	3		20
Magnesium, Dissolved	30.6	30.6	mg/l	0		20
Potassium, Dissolved	23.9	25.2	mg/l	5		20
Sodium, Dissolved	75.7	74.3	mg/l	2		20

Lab Duplicate Analysis Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1318554

Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG637730-3 QC Sample: L1318554-01 Client ID: MW 005					
Aluminum, Dissolved	ND	ND	mg/l	NC	20
Antimony, Dissolved	0.00072J	0.00071J	mg/l	NC	20
Arsenic, Dissolved	0.00117	0.00125	mg/l	6	20
Barium, Dissolved	0.1425	0.1429	mg/l	0	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Chromium, Dissolved	0.00145J	0.00138J	mg/l	NC	20
Cobalt, Dissolved	0.00088	0.00088	mg/l	1	20
Copper, Dissolved	0.00065J	0.00063J	mg/l	NC	20
Iron, Dissolved	12.6	12.4	mg/l	2	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Manganese, Dissolved	0.3854	0.3850	mg/l	0	20
Nickel, Dissolved	0.00360	0.00377	mg/l	5	20
Selenium, Dissolved	0.00032J	0.00035J	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	0.00017J	0.00022J	mg/l	NC	20
Zinc, Dissolved	0.03058	0.02989	mg/l	2	20

Lab Duplicate Analysis Batch Quality Control

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1318554

Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG637971-3 QC Sample: L1317112-31 Client ID: DUP Sample					
Aluminum, Total	0.00202J	ND	mg/l	NC	20
Antimony, Total	0.00075J	0.00040J	mg/l	NC	20
Arsenic, Total	0.00519	0.00520	mg/l	0	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	0.00005J	ND	mg/l	NC	20
Chromium, Total	0.00083J	0.00086J	mg/l	NC	20
Cobalt, Total	0.00612	0.00625	mg/l	2	20
Copper, Total	0.00069J	0.00073J	mg/l	NC	20
Iron, Total	2.38	2.39	mg/l	0	20
Lead, Total	ND	ND	mg/l	NC	20
Manganese, Total	0.3915	0.3946	mg/l	1	20
Nickel, Total	0.00537	0.00522	mg/l	3	20
Potassium, Total	2.17	2.30	mg/l	6	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	0.00067J	0.00063J	mg/l	NC	20
Zinc, Total	0.01088	0.01039	mg/l	5	20

Project Name: 74 WALLABOUT ST.
Project Number: RAB1301

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1318554
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG637971-3 QC Sample: L1317112-31 Client ID: DUP Sample					
Barium, Total	1.346	1.352	mg/l	0	20
Calcium, Total	507.	515.	mg/l	2	20
Magnesium, Total	129.	130.	mg/l	1	20
Sodium, Total	273.	290.	mg/l	6	20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG637983-3 QC Sample: L1318159-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20
Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG638497-3 QC Sample: L1318554-01 Client ID: MW 005					
Mercury, Dissolved	ND	ND	mg/l	NC	20

Project Name: 74 WALLABOUT ST.

Project Number: RAB1301

Lab Number: L1318554

Report Date: 09/25/13

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(*)
L1318554-01A	Plastic 500ml unpreserved	A	N/A	5	Y	Absent	FILTER-MET(1)
L1318554-01B	Plastic 500ml HNO3 preserved	A	N/A	5	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1318554-01C	Amber 1000ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1318554-01D	Amber 1000ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1318554-01X	Plastic 250ml HNO3 preserved spl	A	N/A	5	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1318554-01Z	Amber 250ml unpreserved	A	N/A	5	Y	Absent	-

*Values in parentheses indicate holding time in days



Project Name: 74 WALLABOUT ST.
Project Number: RAB1301

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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

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.
- 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.

Report Format: DU Report with "J" Qualifiers



Project Name: 74 WALLABOUT ST.
Project Number: RAB1301

Lab Number: L1318554
Report Date: 09/25/13

Data Qualifiers

- 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: 74 WALLABOUT ST.
Project Number: RAB1301

Lab Number: L1318554
Report Date: 09/25/13

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.



Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. *Organic Parameters:* ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. *Organic Parameters:* (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. *Microbiology Parameters:* SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters: (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. NELAP Accredited.

Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO₃-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH₃-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO₃-F, 4500-NO₂-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500CI-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO₃-F, 353.2, 4500P-E, 4500SO₄-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. NELAP Accredited.

Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO₃-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500CI-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH₃-H, 4500NO₂-B, 4500NO₃-F, 4500S-D, 4500SO₃-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH₃-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. NELAP Accredited via NJ-DEP.

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commissoon on Environmental Quality Certificate/Lab ID: T104704476. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH₃-H, 4500NO₂B, 4500P-E, 4500 S²⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. NELAP Accredited.

Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO₃-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500CI-E, 4500F-B, 4500F-C, 4500NH₃-H, 4500NO₂-B, 4500NO₃-F, 4500 SO₃-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

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

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 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnaphthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

Appendix C

Photo Log



Photo 1: View of concrete vault with liquid removed and sediment removed.



Photo2: View of FD001 cleaned out.



Photo 3: View of FD002 cleaned out.



Photo 4: View of FD003 cleaned out.



Photo 5: View of FD004 cleaned out.



Photo 6: View of FD005 cleaned out. Note the earthen bottom.



Photo 7: View of FD006 cleaned out.



Photo 8: View of FD007 cleaned out.



Photo 9: View of FD008.



Photo 10: View of FD009 cleaned out.



Photo 11: View of FD010.



Photo 12: View of FD011 cleaned out.



Photo 13: View of FD012 which was destroyed during demolition activities.



Photo 14: View of FD013 cleaned out.



Photo 15: View of FD015 cleaned out.



Photo 16: View of FD016 cleaned out. Earthen bottom present.

Appendix D

Waste Manifests

Non-Hazardous Manifest**Manifest Doc No.111192****Generator**

Generator ID: 23412
FORMER ARKANSAS CHEMICAL
74 WALLABOUT STREET
BROOKLYN, NY
6315896353

Transporter

A B OIL SERVICE LTD.
6315676545
NYD987023371
1A-002

Facility

A B OIL SERVICE LTD.
1599 Ocean Avenue
Bohemia, NY 11716
631.567.6545
NYD987023371

Shipping Name and Description	NumCont	ContType	Quantity	Units	Profile ID
NON HAZARDOUS LIQUID	1	TT	1800	G	NONHAZ L

V-116
Material Name **Quantity**

Additional Descriptions for Materials Listed Above**Handling Codes Listed Above****Special Handling Instructions and Additional Information**

24 Hour Emergency # (631) 567 - 6545
ERG# 128

Generator's Certification:

I certify the materials described above are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed / Typed Name X Ayerol Robinson Signature X RAB Date 8-12-13

Transporter 1 Acknowledgement of Receipt of Materials

Printed / Typed Name MIKE RYAN Signature Mike Ryan Date 8-12-13

Transporter 2 Acknowledgement of Receipt of Materials

Printed / Typed Name _____ Signature _____ Date _____

Discrepancy Indication Space

Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted above.

Printed / Typed Name D. Bohner Signature [Signature] Date 8/12/13

White = Original

Yellow = Transporter

Pink = TSDF

Gold = Generator Copy

Non-Hazardous Manifest**Manifest Doc No.111193****Generator**

Generator ID: 23412
FORMER ARKANSAS CHEMICAL
74 WALLABOUT STREET
BROOKLYN, NY
6315896353

Transporter

ABLE ENVIRONMENTAL SERVICE
6315676545
NYR000003582
1A-392

Facility

AB OIL SERVICE LTD.
1599 Ocean Avenue
Bohemia, NY 11716
631.567.6545
NYD987023371

Shipping Name and Description
NON HAZARDOUS SOLIDS

NumCont

6

ContType

DM

Quantity

2400

Units

P

Profile ID
NONHAZ S**Material Name****Quantity****Additional Descriptions for Materials Listed Above****Handling Codes Listed Above****Special Handling Instructions and Additional Information**

24 Hour Emergency # (631) 567 - 6545
ERG# 128

Generator's Certification:

I certify the materials described above are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed / Typed Name

Agel al Barb

Signature

Agel al Barb

Date

Transporter 1 Acknowledgement of Receipt of Materials

Printed / Typed Name

Bill Young

Signature

Bill Young

Date

*8/12/12***Transporter 2 Acknowledgement of Receipt of Materials**

Printed / Typed Name

Signature

Date

Discrepancy Indication Space

Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted above.

Printed / Typed Name

D. Bon. LIA

Signature

D. Bon. LIA

Date

8-12-12

White = Original

Yellow = Transporter

Pink = TSDF

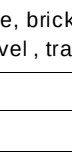
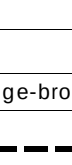
Gold = Generator Copy

Appendix E

Soil Boring Logs

P.W. GROSSER CONSULTING

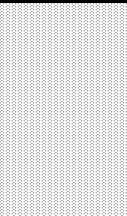
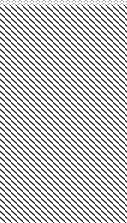
Boring Designation:	SB017	Logged By:	JC/AR
Boring Location:	74 Wallabout Street, Brooklyn NY	Project Manager:	DE
Project Name:	Remedial Investigation	Project Number:	RAB1301
Drilling Contractor:	LVS	Drilling Method:	Direct Push-Macro Core
Operator Name:	Manny	Sampling Method:	Macro Core
Drill Rig Type:	Geoprobe	Boring Depth:	12'
Start Time:	10:57	Completion Time:	11:25
Start Date:	7/11/2013	Completion Date:	7/11/2013

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Description	Notes
0	4	1.5		SW	Concrete, brick, little coal ash, dry gray-brown medium sand and gravel , trace fines (fill).	PID = 0.0 ppm, no odor.
						SB017 (0-2')/MS/MSD collected at 11:15.
4	4	1.5		SW		PID = 0.0 ppm, no odor.
						SB017 (6-8') collected at 11:20.
					Dry orange-brown fine-medium sand (fill).	
8	4	2.5		SW		PID = 67.2 ppm, petroleum odor.
					Dry brown medium sand, some gravel, trace silt.	Visual staining.
				SM	Wet dark brown medium-coarse sand, some silt.	SB017 (10-12') collected at 11:25.

End of boring at 12' bgs.

P.W. GROSSER CONSULTING

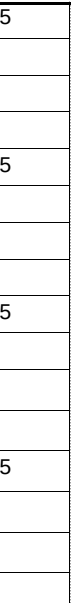
Boring Designation:	SB018	Logged By:	JC/AR
Boring Location:	74 Wallabout Street, Brooklyn NY	Project Manager:	DE
Project Name:	Remedial Investigation	Project Number:	RAB1301
Drilling Contractor:	LVS	Drilling Method:	Direct Push-Macro Core
Operator Name:	Manny	Sampling Method:	Macro Core
Drill Rig Type:	Geoprobe	Boring Depth:	12'
Start Time:	13:04	Completion Time:	13:20
Start Date:	7/11/2013	Completion Date:	7/11/2013

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Description	Notes
0	4	2.5		SW	Concrete, brick, dry dark brown medium sand, some gravel , trace silt (fill).	PID = 0.0 ppm, no odor. SB018 (0-2') collected at 13:10.
4	4	2.5				PID = 0.0 ppm, no odor.
						SB018 (6-8') collected at 13:15.
				CL	Dry dark brown fine-medium sand and clay (low plasticity).	
8	4	2.5		CL		PID = 0.0 ppm, no odor.
					Wet, lean clay and fine-medium sand (medium plasticity).	SB018 (10-12') collected at 13:20.

End of boring at 12' bgs.

P.W. GROSSER CONSULTING

Boring Designation:	SB019	Logged By:	JC/AR
Boring Location:	74 Wallabout Street, Brooklyn NY	Project Manager:	DE
Project Name:	Remedial Investigation	Project Number:	RAB1301
Drilling Contractor:	LVS	Drilling Method:	Direct Push-Macro Core
Operator Name:	Manny	Sampling Method:	Macro Core
Drill Rig Type:	Geoprobe	Boring Depth:	12'
Start Time:	15:15	Completion Time:	15:30
Start Date:	7/11/2013	Completion Date:	7/11/2013

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Description	Notes
0	4	1.5		SW	Crushed brick, gray-brown medium sand and gravel, little silt (fill).	PID = 0.0 ppm, no odor. SB019 (0-2') collected at 15:20.
4	4	1.5		SW		PID = 0.0 ppm, no odor. SB019 (6-8') collected at 15:25.
					Dry, orange-brown fine-medium sand, some gravel, little silt (fill.)	
8	4	1.5		SW		PID = 13.4 ppm @ 10', no odor. PID = 88.7 ppm @ 12', petroleum odor.
					Wet dark brown fine-medium sand, some gravel (fill).	Visual staining. SB019 (10-12') collected at 15:30.
12	4	1.5		SW		PID = 2.4 ppm @ 16', no odor.

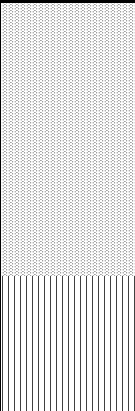
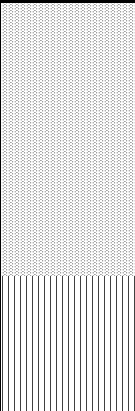
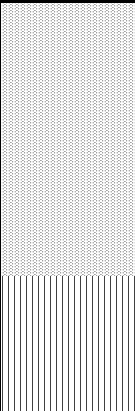
End of boring at 16' bgs.

P.W. GROSSER CONSULTING							
Boring Designation:		SB020			Logged By:		JC/AR
Boring Location:		74 Wallabout Street, Brooklyn NY			Project Manager:		DE
Project Name:		Remedial Investigation			Project Number:		RAB1301
Drilling Contractor:		LVS			Drilling Method:		Direct Push-Macro Core
Operator Name:		Manny			Sampling Method:		Macro Core
Drill Rig Type:		Geoprobe			Boring Depth:		12'
Start Time:		11:30			Completion Time:		12:20
Start Date:		7/11/2013			Completion Date:		7/11/2013
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Description	Notes	
0	4	2		SW	Concrete, crushed brick, asphalt, dry dark brown medium sand and gravel, little silt (fill).	PID = 0.0 ppm, no odor.	
						PID = 18.9 ppm @ 3',	
						SB020 (0-2') collected at 11:45.	
4	4	3		SW		PID = 0.0 ppm, no odor.	
					Dry, orange-brown fine-medium sand, little gravel , little silt (fill.)	SB020 (6-8') collected at 12:00.	
8	4	3		SW	Dry orange and black coarse sand and gravel (fill).	PID = 0.0 ppm, no odor.	
						Visual staining.	
						SB020 (10-12')/DUP001 collected at 12:15.	
12	3	2		CL	Wet brown fine-medium sand and clay (low plasticity).	PID = 0.0 ppm, no odor.	
End of boring at 15' bgs. SB020-GW/MS/MSD collected at 12:20.							

End of boring at 15' bgs. SB020-GW/MS/MSD collected at 12:20.

P.W. GROSSER CONSULTING

Boring Designation:	SB021	Logged By:	JC/AR
Boring Location:	74 Wallabout Street, Brooklyn NY	Project Manager:	DE
Project Name:	Remedial Investigation	Project Number:	RAB1301
Drilling Contractor:	LVS	Drilling Method:	Direct Push-Macro Core
Operator Name:	Manny	Sampling Method:	Macro Core
Drill Rig Type:	Geoprobe	Boring Depth:	12'
Start Time:	12:25	Completion Time:	13:00
Start Date:	7/11/2013	Completion Date:	7/11/2013

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Description	Notes
0	4	2.5		SW	Concrete, brick, dry dark brown sand, some gravel , little silt (fill).	PID = 0.0 ppm, no odor. SB021 (0-2') collected at 12:40.
4	4	1				PID = 0.0 ppm, no odor. SB021 (6-8') collected at 12:45.
8	4	1		SM		PID = 66.7 ppm, slight petroleum odor.
					Wet brown-black medium sand, some silt, red brick (fill).	Visual staining.
					Wet sand and silt.	SB021 (10-12') collected at 12:50.

End of boring at 12' bgs. SB021-GW/GW-DUP001 collected at 13:00.

P.W. GROSSER CONSULTING

Boring Designation:	SB022	Logged By:	JC/AR
Boring Location:	74 Wallabout Street, Brooklyn NY	Project Manager:	DE
Project Name:	Remedial Investigation	Project Number:	RAB1301
Drilling Contractor:	LVS	Drilling Method:	Direct Push-Macro Core
Operator Name:	Manny	Sampling Method:	Macro Core
Drill Rig Type:	Geoprobe	Boring Depth:	12'
Start Time:	13:20	Completion Time:	14:40
Start Date:	7/11/2013	Completion Date:	7/11/2013

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Description	Notes
0	4	2.5		SW	Concrete, dry dark brown fine sand and gravel (fill).	PID = 0.0 ppm, no odor.
						SB022 (0-2') collected at 13:55.
4	4	2		SW		PID = 17.0 ppm, no odor.
						SB022 (6-8') collected at 14:00.
8	4	4		SW	Dry dark gray medium sand, some gravel, little silt (fill).	PID = 0.0, no odor.
						SB022 (10-12') collected at 14:05.
				CL	Wet dark brown fine-medium sand and clay (low plasticity).	
12	2	2			Wet dark brown fine-medium sand and clay (medium plasticity).	PID = 0.0, no odor.

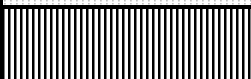
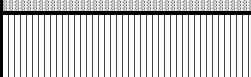
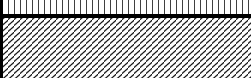
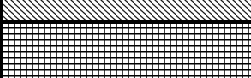
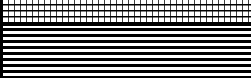
End of boring at 14' bgs. SB022-GW collected at 14:40.

P.W. GROSSER CONSULTING

Boring Designation:	SB023		Logged By:	JC/AR
Boring Location:	74 Wallabout Street, Brooklyn NY		Project Manager:	DE
Project Name:	Remedial Investigation		Project Number:	RAB1301
Drilling Contractor:	LVS		Drilling Method:	Direct Push-Macro Core
Operator Name:	Manny		Sampling Method:	Macro Core
Drill Rig Type:	Geoprobe		Boring Depth:	12'
Start Time:	8:35		Completion Time:	8:50
Start Date:	7/11/2013		Completion Date:	7/11/2013

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Description	Notes
0	4	2		SW	Concrete, brick, dry gray-brown fine sand, some gravel, little silt (fill).	PID = 0.0 ppm, no odor.
4	4	2		SW	Dry light orange-brown medium sand and gravel, trace silt (fill).	PID = 3.2 ppm, petroleum odor.
						SB023 (6-8') collected at 8:50.
8	4	1				PID = 16.7 ppm @ 8'.
				SW	Wet brown medium-coarse sand, trace gravel.	

End of boring at 12' bgs.

USCS Code	Pattern	Pattern Name
GW		6.25% Grey
GP		12.5% Grey
GM		Vertical Stripe
GC		Diagonal Stripe
SW		25% Grey
SP		50% Grey
SM		Thin Vertical Stripe
SC		Thin Diagonal Stripe
ML		Diagonal Crosshatch
CL		Thin Reverse Diagonal Stripe
OL		Thin Horizontal Crosshatch
MH		Horizontal Stripe
CH		Reverse Diagonal Stripe
OH		75% Grey
PT		Thick Diagonal Crosshatch

Appendix F

Monitoring Well / Observation Well

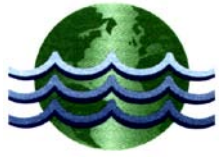
Construction Logs



Note: Drawing is not to scale.
Depths are given in feet below land surface.



Note: Drawing is not to scale.
Depths are given in feet below land surface.



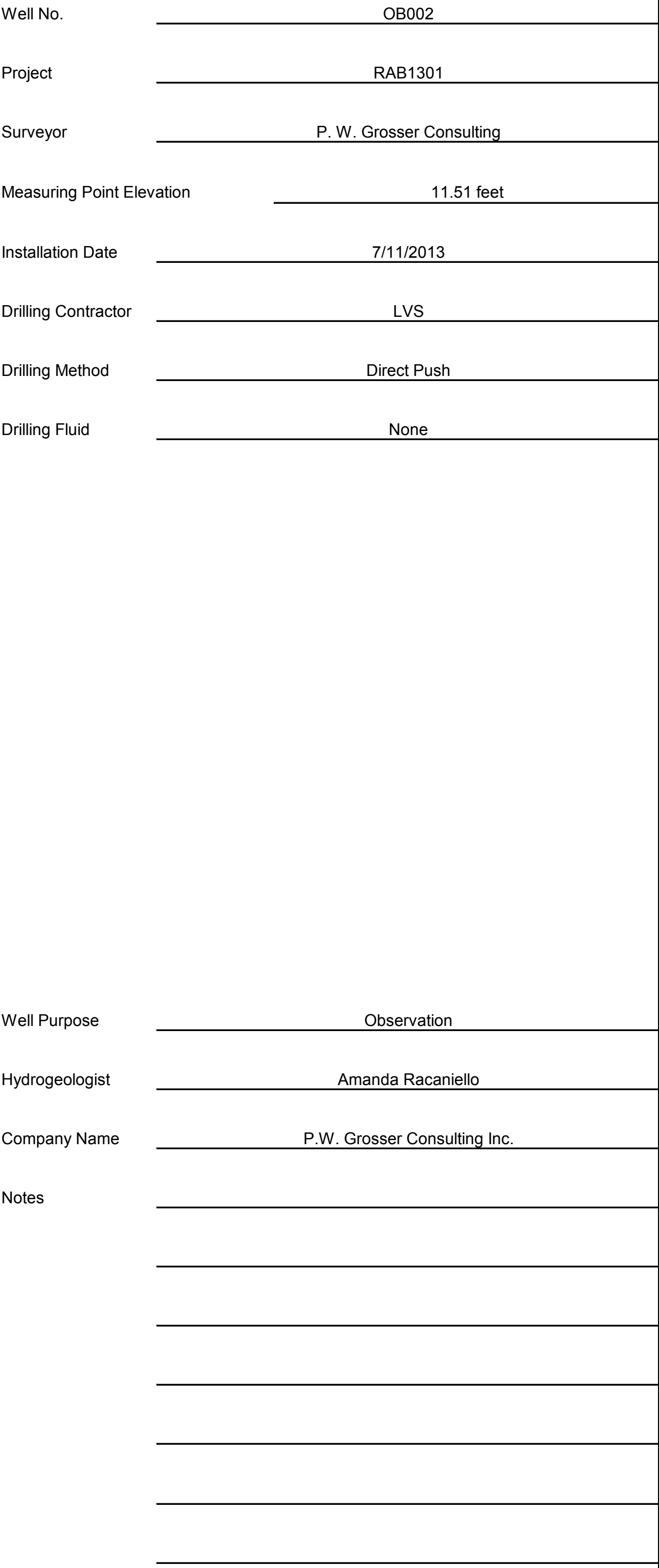
Monitoring Well
Construction Log

Protective Casing ☒ Flush Mount ☐ Pop-up Measuring Points Land Surface 1 ft. Bentonite/Cement Grout Well Casing Material: PVC Inch Diam.: 2 Borehole Diameter: 6 1/4 3 ft. Bentonite Seal 4 ft. Sand Seal Grain Size: #2 Sand 6 ft. Well Screen Material: PVC Slot Size: 0.01 Inch Diam.: 2 16 ft. 17 ft.	Well No. OB001
	Project RAB1301
Surveyor P. W. Grosser Consulting	
Measuring Point Elevation 10.52 feet	
Installation Date 7/11/2013	
Drilling Contractor LVS	
Drilling Method Direct Push	
Drilling Fluid None	
Well Purpose Observation	
Hydrogeologist Amanda Racaniello	
Company Name P.W. Grosser Consulting Inc.	
Notes	

Note: Drawing is not to scale.
Depths are given in feet below land surface.



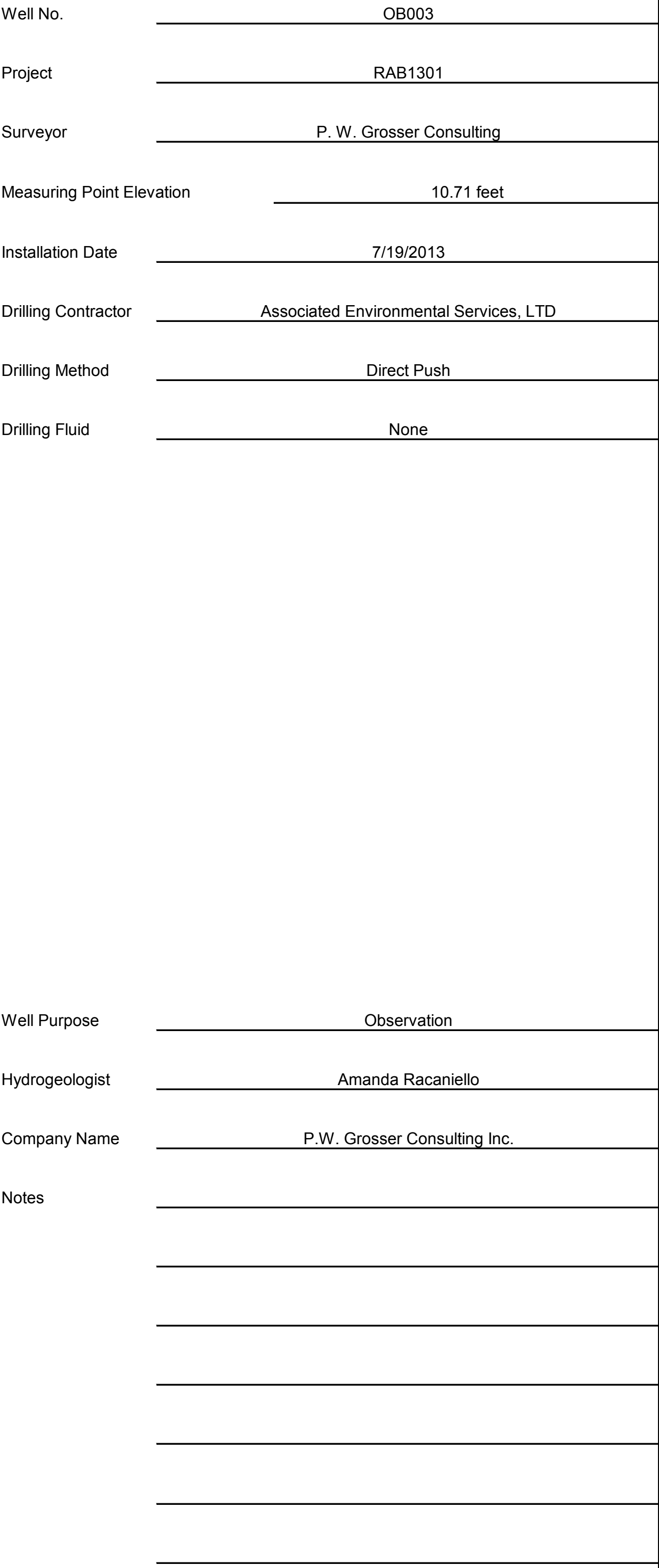
Construction Log



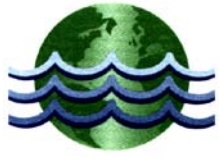
Note: Drawing is not to scale.
Depths are given in feet below land surface.



Construction Log



Note: Drawing is not to scale.
Depths are given in feet below land surface.



Monitoring Well Construction Log

Note: Drawing is not to scale. Depths are given in feet below land surface.	Well No.	OB004
	Project	RAB1301
	Surveyor	P. W. Grosser Consulting
	Measuring Point Elevation	10.04 feet
	Installation Date	7/19/2013
	Drilling Contractor	Associated Environmental Services, LTD
	Drilling Method	Direct Push
	Drilling Fluid	None
	Well Purpose	Observation
	Hydrogeologist	Amanda Racaniello
	Company Name	P.W. Grosser Consulting Inc.
	Notes	

Appendix G

Monitoring Well Development Logs

Monitoring Well Development Log

STATIC WATER ELEVATION (feet)	7.65	TOTAL WELL DEPTH (feet)	17.04

PURGE RATE (GPM)	see below	GALLONS	25

[illegible]

Monitoring Well Development Log

STATIC WATER ELEVATION (feet)	6.18	TOTAL WELL DEPTH (feet)	17.19

PURGE RATE (GPM)	see below	GALLONS	25

[illegible]

Appendix H

Monitoring Well / Observation Well

Sampling Logs

P.W. GROSSER CONSULTING, INC.

Monitoring Well Sampling Log

SITE INFORMATION

SITE ID/PROJECT NUMBER:	74 Walker Street / RAB1301		
SAMPLING POINT	MW004	SAMPLED BY	RM
DATE SAMPLED	8/2/2013	TIME SAMPLED	13:30
STATIC WATER ELEVATION (feet)	5.69	TOTAL WELL DEPTH (feet)	17.00
WELL DIAMETER (inches)	2		

SAMPLING INFORMATION

PURGE METHOD	grundfos pump	SAMPLE METHOD	grundfos pump
PURGE RATE (GPM)	see below	PURGE TIME (Min)	see below
SAMPLE APPEARANCE	Clear	ODORS OBSERVED	None
ANALYSIS	NYCOER Parameters	LABORATORY	AAL
DATE SHIPPED	8/2/2013	SHIPPING METHOD	Courier

SAMPLING PARAMETERS

Time	Flow Rate (mL/min)	pH	Cond. (mS/cm)	Turbidity (NTU)	Temp. (°C)	DO
13:10	300	7.37	0.966	255	22.51	20.03
13:14	300	7.29	0.985	51.9	21.64	17.16
13:17	300	7.26	1.01	9.2	21.56	14.66
13:20	300	7.25	1.02	5.4	21.61	13.50
13:23	300	7.25	1.01	0.7	21.52	13.05
13:26	300	7.25	1.02	0.0	21.59	12.59

Notes:

Flow Rate - between 200 - 500 mL/min

pH - ± 0.1

Conductivity - $\pm 3\%$

ORP - ± 10 mV

DO - $\pm 10\%$

Turbidity - $\pm 10\%$

P.W. GROSSER CONSULTING, INC.

Monitoring Well Sampling Log

SITE INFORMATION

SITE ID/PROJECT NUMBER:	74 Walker Street / RAB1301		
SAMPLING POINT	OB003	SAMPLED BY	RM
DATE SAMPLED	8/2/2013	TIME SAMPLED	12:10
STATIC WATER ELEVATION (feet)	8.74	TOTAL WELL DEPTH (feet)	17.00
WELL DIAMETER (inches)	2		

SAMPLING INFORMATION

PURGE METHOD	grundfos pump	SAMPLE METHOD	grundfos pump
PURGE RATE (GPM)	see below	PURGE TIME (Min)	see below
SAMPLE APPEARANCE	Clear	ODORS OBSERVED	None
ANALYSIS	NYCOER Parameters	LABORATORY	AAL
DATE SHIPPED	8/2/2013	SHIPPING METHOD	Courier

SAMPLING PARAMETERS

Time	Flow Rate (mL/min)	pH	Cond. (mS/cm)	Turbidity (NTU)	Temp. (°C)	DO
11:49	300	7.76	1.89	0.0	20.80	19.60
11:53	300	7.70	1.91	0.0	21.40	16.31
11:56	300	7.63	2.20	0.0	21.11	45.43
11:59	300	7.61	2.43	0.0	20.89	14.11
12:02	300	7.60	2.52	0.0	20.83	13.23
12:05	300	7.60	2.55	0.0	20.83	12.39

Notes:

Flow Rate - between 200 - 500 mL/min

pH - ± 0.1

Conductivity - $\pm 3\%$

ORP - ± 10 mV

DO - $\pm 10\%$

Turbidity - $\pm 10\%$

Appendix I

Canister Sampling Data Sheets



AIR ANALYSIS

CHAIN OF CUSTODY

PAGE _____ OF _____

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

Client Information

Client: PNGC
Address: 630 Johnson Ave.
Bohemia, NY 11716
Phone: 631.589.6353
Fax: 631.589.8705
Email: dereke@pngrosser.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project Information

Project Name:

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

Turn-Around Time

☐ Standard☐ RUSH (only confirmed if pre-approved!)

Date Due:

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 #: 41313032

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						Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A	TO-15	TO-15	APH	FIXED	TO-13A	TO-4 /	Sample Comments (i.e. PID)
		Date	Start Time	End Time	Initial Vacuum	Final Vacuum														
41313032-1	SV005	7/11/13	0822	1023	-30.14	-6.31	SV	JCLAR			755	0124								
2	SV004	↓	1082	1230	-29.32	-7.77	↓	↓			818	0544								
3	SV007	↓	1048	1252	-30.20	-8.17	↓	↓			875	0158								
4	SV006	↓	1112	1315	-29.60	-2.60	↓	↓			799	0103								
5	SV-Dup-001	↓	XX	XX	-29.60	NA	↓	↓			568	0019								Flow controller, no battery.

*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:

Date/Time

Received By:

Date/Time:

Appendix J

Data Validation / Data Usability Report



STONE ENVIRONMENTAL INC

DATA USABILITY SUMMARY REPORT (DUSR)

Site Name: RAB1203, RAB1301, 74 Wallabout, Brooklyn, NY

Performing Laboratory: Alpha Analytical Laboratories, Westborough, Massachusetts

P.W. Grosser Project No. RAB1203 and RAB1301

Project Manager Andy Lockwood, Project Manager

Stone Project Number: 13-152, 74 Wallabout

Analyses/Methods: VOAs by Method 8260C/5035B/5030, SVOCs by Method 8270D/3546/PAHs8270DSIM/3510C, PCBs by Method 8082A/3546/3510C/3665A/3660B, Pesticides by Method 8081B/3546/3620B, TAL Metals by 6010B/3050B and Total/Soluble Metals by 6020A/3005A, Mercury by Method 7470A and 7471B, VOAs in Air by Method TO15

Data Validation Level Level (Tier) II, QC Elements Only with 5% Level (Tier) III Full Validation on 3 of the 9 SDGs

Prepared by: Kim Watson, Stone Environmental, Inc. Completed on: 9/12/2013

Reviewed by: Morgan Greenwald, Stone Environmental, Inc. SDG Nos.: L1222284, L1222366, L1223077, L1223078, L1312727, L1313032, L1313126, L1314810 and L1315565

Stone Environmental, Inc. (Stone) has completed a validation and quality assurance (QA) evaluation on the analysis data prepared by Alpha Analytical Laboratories in Westborough, Massachusetts for 8 soil samples and 2 water samples collected on 12/12/2012, 3 soil vapor (air) samples collected on 12/10/2012, 2 water samples, 1 product (non-aqueous) samples and 5 soils collected on 12/19/2012, 1 sub-surface (vault) water sample collected on 7/9/2013, 5 soil vapor (air) collected on 7/11/2013, 25 soil and 4 water samples, 2 soil equipment blanks, 1 water equipment blank and 2 trip blanks collected on 7/11/2013, 2 water samples, 1 trip blank and 1 field blank collected on 8/2/2013 and 2 soil samples, 1 trip blank and 1 field blank collected on 8/12/2013. Samples were received at the laboratory either the same day, the next day or within 48 hours from collection. The laboratory reported the data under Sample Delivery Group (SDG) Nos. L1222284, L1222366, L1223077, L1223078, L1312727, L1313032, L1313126, L1314810 and L1315565 received by Stone on August 9, 14 and 27, 2013. The sample and laboratory identifiers and the selected analyses as shown on the chain of custody records are provided in Attachment A.

All analyses were performed according to SW846 methodology: VOAs by Methods 8260C, 5030B for waters, VOAs by Method 8260C and 5035B for soils, SVOCs by Method 8270D full scan and SIM for

PAHs in waters, preparation for soils by 3546 and for waters by 3510C, PCBs by Method 8082A, preparation by 3546 for soils, 3510C for waters with extract cleanup methods by 3665A and 3660B, pesticides by Method 8081B, preparation by 3546 for soils, 3510C for waters and cleanup methods by 3620B, TAL total metals by 6010B preparation 3050B for soils, dissolved and total metals by 6020A preparation 3005A for waters, and mercury by Method 7471B for soils and 7470A for waters, and VOAs by TO-15 in Air.

This DUSR is based on reviews of the laboratory SDG case narrative, and the following quality control (QC) elements as presented in the data packages:

- Technical holding times
- Sample preservation
- Instrument and preparation blanks
- Field and Trip Blank Contamination
- Surrogate and internal standard recoveries
- Laboratory control and field sample matrix spike recoveries
- Field and laboratory duplicates
- Sample quantitation and quantitation limits

In addition, a full "Tier III" third-party data validation was performed on 5% of the data for four data packages submitted as NYS ASP Category B Data Deliverables. The SDG narratives and the data validation report are provided in Attachment B and Attachment C, respectively. Tier III data validation was performed on only the NYS Category B ASP reports for 5% of the samples. The data validation and data evaluation were performed in accordance with EPA Region II's Standard Operating Procedures (SOPs) for validating organic and inorganic analyses, EPA's Functional Guidelines for Superfund Organics Data Review (June 2008), EPA's National Functional Guidelines for Inorganic Superfund Data Review (January 2010) where applicable, and NYSDEC's Technical Guidance for Site Investigation and Remediation (DRAFT DER-10, Nov. 2009) Appendix 2B Guidance for Data Deliverables and Development of Data Usability Summary Reports. Professional judgment was applied as necessary and appropriate.

Chain of Custody issues and data collection issues were noted and resolved as follows:

- For all air samples in SDG No. L1313032, no client IDs were written on sample labels; the laboratory matched the can IDs from the identifications written on chain of custody records (COCs).
- Sample SB013(6-8) in SDG No. L1222284 was identified by the laboratory as SBG13(6-8) in the data package corrections were not requested per the clients instructions but was corrected in the data validation electronic deliverables.
- In SDG No. L1314810, sample collection dates/times were not provided on the COC record sent to the laboratory; therefore, they were taken from sample labels on the bottles. Upon request, the samplers provided an updated COC record for the project files.
- In SDG No. L1313126, the container labeled as sample FD017 was not provided on the COC, and time/date/initials indicate that the sample should be identified as FD015; therefore, the sample was labeled as specified on the COC record; "FD015" at login by the laboratory. Sample EQUIP_BLANK_FD_001 on the COC was indicated as a soil; however, the sample was a water sample; L1313126-20 and L1313126-25 were labeled as Field Blanks on the containers

but on the COC as Equipment blanks. The samples were logged in as specified on the COC record.

- Samples from SDG No. L1315565 were logged into the laboratory as FO005 and FO016; however, they were identified as FD005 and FD016 on the COC record. A request was made to update the data package accordingly for future reference.

These issues do not directly affect the validity of the analytical data, but could be problematic if the results were to be used in a litigation situation.

Summary of Data Usability

The validation and usability assessments indicate that the data from these sets are usable for the majority of the data points, the overall quality of the data, although estimated, were acceptable and all results as qualified are considered usable with the exceptions of the rejected data points found in Samples SB018(0-2'), SB021(0-2'), FD015, OB003, SB017(0-2'), SV004 and SV005. The overall quality control data provided in the laboratory report and in the case narrative indicate that the data represents adequate method accuracy and precision with regard to project objectives except as qualified and discussed below.

Results of sample analyses are reported by the laboratory as either qualified or unqualified; various qualifier codes are used by the laboratory to denote specific information regarding the analytical results.

During the validation process, laboratory data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data validator. Validated results are either qualified or unqualified; if results are unqualified, this means that the reported values may be used without reservation. Final validated results are annotated with the following codes;

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

N - The analysis indicates the presence of an analyte that has been "tentatively identification."

JN - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identified" and the associated numerical value represents its approximate concentration.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified. The qualifications made to the data set are summarized below and in the data validation report.

These codes indicate qualifications placed on the data as a result of the validation effort. They are recorded on the validation electronic data deliverables (EDD) [SDG# or Job# datavalidationqualifiers.xls] submitted electronically to the client.

All data users should note two facts. First, the "R" qualifier means that the laboratory-reported value is completely unusable. The analysis is invalid due to significant quality control problems, and provides no information as to whether the compound is present or not. Rejected values should not appear on data tables because they have no useful purpose under any circumstances. Second, no analyte concentration is guaranteed to be accurate even if all associated quality control is acceptable. While strict quality control conformance provides well-defined confidence in the reported results, any analytical result will always contain some error.

The user is also cautioned that the validation effort is based on the materials provided by the laboratory. Software manipulation, resulting in misleading raw data printouts, cannot be routinely detected during validation; unless otherwise stated in the report, these kinds of issues are outside the scope of this review.

Qualifications based on level (Tier) II (narrative and QC results review)

Level II (Tier) II QC results review was performed on SDG Nos. L1222284, L1222366, L1223077, L1223078, L1312727, L1313032, L1313126 and L1314810. Level III Full data validation was performed on 5% of the sample data in SDG Nos. L1313032, L1313126 and L1314810. The report for the full data validation effort is found in Appendix C.

Sample Receipt and Preservation, Holding Times, Integrity and Chain of Custody (COC) Completeness and Sample Custody.

The air, soil and water samples for these analyses were collected July 11, 2013, August 2, and August 12, 2013. According to chain of custody (COC) records and laboratory records, all samples were appropriately preserved in the field prior to collection. All holding times for analysis were met for all samples with the exception of the reanalysis of the Equip_blank_soilRE for PCBs, which was analyzed 4 days beyond the holding time. Since this sample is the field QC sample and replicates the original analysis of which the internal standard was misspiked, no data were qualified on this basis.

The temperatures of the coolers upon receipt at the laboratory were recorded on the sample log-in records and were acceptable (<10°C).

For all air samples in SDG No. L1313032, no client IDs were written on sample labels; the laboratory matched the can IDs from the identifications written on chain of custody records (COCs).

For SDG No. L1314810, sample collection dates/times were not provided on the COC record sent to the laboratory; therefore, they were taken from sample labels on the bottles. Upon request, the samplers provided an updated COC record for the project files.

In SDG No. L1313126, the container labeled as sample FD017 was not provided on the COC, and time/date/initials indicate that the sample should be identified as FD015; therefore, the sample was labeled as specified on the COC record; "FD015" at login by the laboratory. Sample EQUIP_BLANK_FD_001 on the COC was indicated as a soil; however, the sample was a water

sample; L1313126-20 and L1313126-25 were labeled as Field Blanks on the containers but on the COC as Equipment blanks. The samples were logged in as specified on the COC record.

Samples from SDG No. L1315565 were logged into the laboratory as FO005 and FO016; however, they were identified as FD005 and FD016 on the COC record. A request was made to update the data package accordingly.

Method/Laboratory Blank Contamination

Organics: VOAs, SVOAs and Pest/PCBs

No positive analytes were reported in the organic method blanks with the exceptions of hexachlorobutadiene (0.11 ug/L) and hexachloroethane (0.12 ug/L) in the MB on 7/12/13 in SDG No. L1312727. As there were no positive detections of these compounds in the associated samples, no data were qualified on this basis.

Inorganic: Total and Dissolved Metals (laboratory filtered)

Aluminum (0.003 mg/L), copper (0.0001 mg/L), manganese (0.0002 mg/L), zinc (0.0012 mg/L) were reported in the water laboratory preparation blank for total metals (SDG No. L1222284). Because all sample concentrations are greater than 10x the blank concentration for these elements, no qualification of the results was performed.

Aluminum (1.7 mg/kg) was reported in the soils laboratory preparation blank for total metals (SDG No. L1222284). Because all sample concentrations are greater than 10x the blank concentration for this element, no qualification of the results was performed.

Aluminum (0.004 mg/L), antimony (0.0012 mg/L), barium (0.0005 mg/L), copper (0.0002 mg/L), iron (0.016 mg/L), manganese (0.0001 mg/L), sodium (0.040 mg/L) and zinc (0.0031 mg/L) were reported in the dissolved metals water preparation blank (SDG No. L1222284). For all these elements detected in the associated samples at concentrations greater than the method detection limit (MDL) but less than the reporting limit (RL), results were qualified as non-detect (U) at the RL. For all these elements detected in the associated samples at concentrations above the RL, concentrations were greater than 10x the blank concentration. Therefore, those data were not qualified.

Antimony (0.0005 mg/L) and silver (0.0004 mg/L) were reported in the water laboratory preparation blank for total metals (SDG No. L1223077). For those elements detected in the associated samples at concentrations above the reporting limit and greater than 10x the blank concentration, data were not qualified. Based on laboratory contamination, results for total antimony and silver reported for these samples between the MDL and RL, results were qualified as non-detect (U) at the RL.

Aluminum (0.84 mg/kg), arsenic (0.12 mg/kg) and iron (0.98 mg/kg) were reported in the soils laboratory preparation blank for total metals (SDG No. L1223077). All these elements were detected in the associated samples at concentrations above the reporting limit and greater than 10x the blank concentration. Therefore, no data were qualified.

Aluminum (0.004 mg/L), antimony (0.0012 mg/L), barium (0.0002 mg/L), copper (0.0005 mg/L), manganese (0.0002 mg/L), sodium (0.052 mg/L), vanadium (0.0001 mg/L) and zinc (0.0029 mg/L) were reported in the dissolved metals water preparation blank (SDG No. L1223077). For those elements detected in the associated samples at concentrations above the reporting limit and greater than 10x the

blank concentration, data were not qualified. Based on laboratory preparation blank contamination, results for these compounds reported at concentrations below the RL water samples were qualified as non-detect at less than the RL (U).

Chromium (0.00022 mg/L), nickel (0.00012 mg/L), selenium (0.00043 mg/L), sodium (0.0380 mg/L) and thallium (0.00007 mg/L) were reported in the total metals water preparation blank (SDG No. L1312727).

In those cases where concentrations were reported for the affected samples between the MDL and RL, the results were qualified as non-detect (U) at the RL. For those elements detected in the associated samples at concentrations above the reporting limit and less than 10x the blank concentration, data were qualified as estimated (J).

The WG621945-1 Method Blank, associated with L1313126-01 through -19, has concentrations above the reporting limits for total aluminum (7.5 mg/kg) and total calcium (17 mg/kg). Since the associated sample concentrations are greater than 10x the blank concentration for these analytes, no qualification of the results was performed.

Total aluminum (0.00209 mg/L), antimony (0.00011 mg/L), chromium (0.00025 mg/L), silver (0.00010 mg/L), sodium (0.0221 mg/L), and dissolved (soluble) aluminum (0.00400 mg/L), antimony (0.00079 mg/L), calcium (0.0530 mg/L), chromium (0.00020-0.00026 mg/L), copper (0.00011), manganese (0.00018-0.00066 mg/L), sodium (0.433 mg/L), and nickel (0.00060 mg/L) was detected in the method blanks associated with L1313126-21 through -24. Based on laboratory preparation blank contamination, results for total aluminum, antimony, chromium, silver, sodium, and dissolved (soluble) aluminum, antimony, calcium, chromium, copper, manganese, and nickel reported at concentrations below the RL in the July water samples were qualified as non-detect at less than the RL (U).

Field Blank Contamination

No field blanks were collected for sampling rounds associated with these SDGs.

Trip Blank Contamination

No trip blanks were collected for sampling rounds associated with these SDGs.

The validator recommends caution in the use of low level results for common laboratory solvents such as acetone, toluene, 2-butanone and methylene chloride in the soil samples, water samples and the air vapor analysis in all SDGs that have no trip blanks or field (equipment) blanks submitted for VOAs analyses in these sample sets.

Surrogates/Internal Standards

VOAs

The surrogate recoveries for SB015(8-10) and its dilution are above the acceptance criteria for 4-Bromofluorobenzene (406% and 229%, respectively); however, the sample was not re-analyzed due to coelution with obvious interferences. Since all other surrogates were acceptable; no data were qualified.

The surrogate recoveries for SB019(0-2') and SB023(6-8') are below the acceptance criteria for dibromofluoromethane (36% and 64%, respectively), due to a known matrix effect caused by the high pH of the sample (>10). Due to the low recovery and noted matrix effect, all results were qualified as estimated (J, UJ).

The surrogate recoveries for EQUIP_BLANK_SOIL_001 and SB020(GW) are above the acceptance criteria for 4-bromofluorobenzene (136% and 139%, respectively). Based on the elevated recoveries, positive detections of target compounds in these samples were qualified as estimated (J).

The surrogate recovery for SB022 (GW) was outside the acceptance criteria for 4-Bromofluorobenzene (147%); however, re-analysis could not be performed due to lack of additional sample (there was excessive sediment in all 3 vials provided by the client). The results of the original analysis are reported. Based on the elevated recoveries, positive detections of target compounds in these samples were qualified as estimated (J).

SVOAs

The surrogate recoveries for SB013(6-8) are below the acceptance criteria for 2-fluorophenol, phenol-d6, nitrobenzene-d5, 2-fluorobiphenyl and 4-terphenyl-d14 (all 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported and no data was qualified since the surrogates were effectively diluted out.

The surrogate recoveries for SB018(0-2') were outside the acceptance criteria for 2-fluorophenol (1%), 2,4,6-tribromophenol (7%); re-extraction achieved similar results for 2-fluorophenol (2%). The results of both extractions are reported by the laboratory. Results from the re-extraction analyses were chosen by the validator for reporting and based on the low acid recoveries, the result for 2-chlorophenol was rejected (R), and results for all other acid compounds were qualified as estimated (J, UJ).

The surrogate recoveries for SB020(6-8'), SB021(6-8'), FD005, FD007 and FD_DUP_001 are below the acceptance criteria for 2-fluorophenol, phenol-d6, nitrobenzene-d5, 2-fluorobiphenyl and 4-terphenyl-d14 (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported. No data were qualified on this basis.

The surrogate recovery for SB021(0-2') was outside the acceptance criteria for 2-fluorophenol (5%); re-extraction achieved similar results for 2-fluorophenol (1%) and phenol-d6 (9%). The results of both extractions were reported by the laboratory. The re-extraction analyses was chosen by the validator for reporting and based on the low acid recoveries, all non-detect acid compounds were rejected (R).

The surrogate recoveries for FD005 are below the acceptance criteria for 2-fluorophenol, phenol-d6, nitrobenzene-d5, 2-fluorobiphenyl, and 4-terphenyl-d14 (all at 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported. No data were qualified on this basis.

PCBs

EQUIP_BLANK_SOIL_001: The internal standard (IS) response for 1-bromo-2-nitrobenzene was below the acceptance criteria; however, the criteria were achieved upon re-extraction outside of holding time. The results of both analyses were reported by the laboratory. The reextraction with acceptable surrogate recoveries and internal standard responses was chosen for reporting with no qualifications since the sample replicated the original results and was just 4 days beyond the holding time.

The surrogate recoveries for FD015 and FD_DUP_001 are below the acceptance criteria for 2,4,5,6-tetrachlorom-xylene and decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Reextraction was not required; therefore, the results of the original analysis are reported and no data were qualified on this basis.

PESTs

The surrogate recoveries for SB013(6-8) were above the acceptance criteria for Decachlorobiphenyl (372%/1110%); however, re-extraction achieved similar results: decachlorobiphenyl (379%/254%) and 2,4,5,6-Tetrachloro-m-xylene (201%). The results of both extractions were reported and the original result was chosen by the validator for reporting. Based on the elevated surrogate recoveries, all results in the original analyses of SB013(6-8) were qualified as estimated (J, UJ).

The surrogate recoveries for SB009(8-10) and SB016(6-8) are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl (all 0%) due to the dilutions required to quantitate the samples. Reextraction was not required; therefore, the results of the original analyses are reported.

The surrogate recoveries for SB009(4-6) are above acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (795%, 283%) on both columns due to matrix interferences; since recovery of decachlorobiphenyl was acceptable; no data were qualified.

The surrogate recoveries for SB019(10-12'), SB020(0-2'), SB020(10-12') and SB021(10-12') are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

The surrogate recovery for SB022(0-2') is above the acceptance criteria for decachlorobiphenyl (157%/242%). The surrogate recovery for SB022 (6-8') is above the acceptance criteria for decachlorobiphenyl (162%/229%). Since the samples were non-detect to the RL for all target analytes, re-analysis was not required and no data warranted qualifications.

The surrogate recoveries for the following samples FD005: 224%/858%, FD007: 377%/1090% are outside the acceptance criteria for decachlorobiphenyl; however, the samples were not re-extracted due to coelution with obvious interferences. Copies of the chromatograms were included in the data package. No data were qualified on this basis.

Laboratory Control Samples/Laboratory Control Sample Duplicates (LCS/LCSD)

VOAs

LCSD recoveries associated with samples GW011 and GW013 were below acceptance for chloromethane (52%) and LCS/LCSD RPD values were outside the criteria for chloromethane, 1,4-dioxane and bromomethane (39%RPD, 39%RPD and 41%RPD), respectively. Based on the low recovery and poor reproducibility in the LCSD, results for chloromethane in GW011 and GW013 were qualified as estimated (UJ).

LCSD recovery associated with sample SB015(8-10) was below acceptance for vinyl chloride (60%) and LCS/LCSD RPD values were outside the criteria for chloromethane and vinyl chloride (33%RPD,

and 32%RPD, respectively). Based on the low recovery and poor reproducibility in the LCSD, the result for vinyl chloride in SB015(8-10) was qualified as estimated (UJ).

LCS/LCSD recoveries associated with samples MW001 were above acceptance for chloromethane (136%, 141%, respectively) and LCSD recoveries were below the limits for methyl tert butyl ether (59%) and tert-butyl alcohol (67%) and LCS/LCSD RPD values were outside the criteria for tert-butyl alcohol (21%RPD). Based on the low recovery and poor reproducibility in the LCSD, the result for methyl tert butyl ether in MW001 was qualified as estimated (UJ).

The RPD value for 1,4-dioxane was outside the limits at 25%RPD in SDG L1223077. No data was qualified since the recoveries passed the acceptance criteria.

LCS/LCSD recoveries associated with subsurface vault were above acceptance limits for 2,2-dichloropropane (149%, 143%, respectively). Because there were no positive detections of this compound in the subsurface vault sample, no data were qualified on this basis.

SVOAs

LCS/LCSD recoveries associated with all samples in SDG #L1222284 were above acceptance for 2,4-dinitrotoluene (103%, 93%, 105% and 91%, 106%, 100% respectively). Because there were no positive detections of this compound in any of the associated samples, no data were qualified on this basis.

LCS recoveries associated with subsurface vault were above acceptance for 2,4-dinitrotoluene (107%) and p-chloro-m-cresol (101%), and LCS/LCSD recoveries for pentachlorophenol (118% and 124%, respectively). Of these compounds, the only one exhibiting a positive detection in the subsurface vault sample was pentachlorophenol. Therefore, this result was qualified as estimated (J) based on the high recovery.

LCS/LCSD recoveries associated with samples SB013(6-8), SB009(8-10), SB016(6-8), SB015(8-10) and SB014(8-10) were below acceptance for 4-chloroaniline (24% and 31%, respectively). Based on the low recovery, results for 4-chloroaniline in samples SB013(6-8), SB009(8-10), SB016(6-8), SB015(8-10) and SB014(8-10) were qualified as estimated (UJ).

LCS/LCSD recoveries associated with samples SB013(0-2) and SB015(2-4) were above acceptance for 2,4-dinitrotoluene (96%, 110%, respectively) and LCSD recovery for p-chloro-m-cresol (105%). LCS recovery was below acceptance criteria for 4-chloroaniline (36%). Based on the low recovery, results for 4-chloroaniline in samples SB013(0-2) and SB015(2-4), were qualified as estimated (UJ).

LCS/LCSD recoveries associated with samples GW011 and GW013 were below acceptance for hexachlorocyclopentadiene (21% and 23%, respectively) and for 4-chloroaniline (36% and 30%, respectively). Based on the low recoveries, results for hexachlorocyclopentadiene and 4-chloroaniline in samples GW011 and GW013 were qualified as estimated (UJ).

LCSD recovery associated with samples MW001 and MW003 was above acceptance for 2,4-dinitrotoluene (98%) and LCSD recovery for p-chloro-m-cresol (100%). LCS/LCSD recoveries associated with samples MW001 and MW003 were below acceptance for hexachlorocyclopentadiene (33%). Based on the low recovery, results for hexachlorocyclopentadiene in samples MW001 and MW003 were qualified as estimated (UJ).

The WG621521-2/-3 LCS/LCSD recoveries, associated with L1313126-20 through -25 and -34, are above the acceptance criteria for 1,2,4-trichlorobenzene (106%/104%), 1,4-dichlorobenzene (105%/103%), 2,4-dinitrotoluene (145%/140%), 2,6-dinitrotoluene (LCS at 145%), n-nitrosodi-n-propylamine (LCS at 135%), butyl benzyl phthalate (LCS at 142%), di-n-octylphthalate (LCS at 141%), acetophenone (146%/140%), 2,4,6-trichlorophenol (139%/131%), p-chloro-m-cresol (151%/140%), 2-chlorophenol (134%/128%), 2,4-dichlorophenol (147%/138%), 2,4-dimethylphenol (LCS at 136%), 2-nitrophenol (142%/136%), 4-nitrophenol, (82%/86%) and 2,4,5-trichlorophenol (154%/145%); however, the associated samples are non-detect for these target compounds. The results of the original analysis are reported and no data were qualified on this basis.

Matrix Spikes/Matrix Spike Duplicates (MS/MSDs)

Organics: VOAs, SVOAs and Pest/PCBs

The WG622928-4 MS recoveries, performed on SB020(GW), are below the acceptance criteria for bromomethane (36%), 1,2,3-Trichlorobenzene (65%) and 1,2,4-Trichlorobenzene (66%) and the WG622928-4/-5 MS/MSD RPD, performed on L1313126-21, is above the acceptance criteria for bromomethane (34%); however, the associated LCS/LCSD recoveries are within overall method allowances. Therefore, no data were qualified on this basis.

The WG623224-4/-5 MS/MSD recoveries, performed on SB017 (0-2') were addressed in the full data validation report in Appendix C.

The WG623224-6/-7 MS/MSD recoveries, performed on FD015, are below the acceptance criteria for methylene chloride (MSD at 65%), 1,1-dichloroethane (58%/57%), chloroform (50%/51%), carbon tetrachloride (20%/26%), 1,2-dichloropropane (44%/46%), dibromochloromethane (31%/33%), 1,1,2-Trichloroethane (45%/44%), Tetrachloroethene (11%/17%), Chlorobenzene (15%/19%), Trichlorofluoromethane (40%/46%), 1,2-Dichloroethane (57%/54%), 1,1,1-Trichloroethane (33%/38%), Bromodichloromethane (38%/40%), trans-1,3-Dichloropropene (26%/25%), cis-1,3-Dichloropropene (30%/31%), 1,1-Dichloropropene (22%/28%), Bromoform (28%/27%), 1,1,2,2-Tetrachloroethane (32%/31%), Benzene (41%/45%), Toluene (22%/27%), Ethylbenzene (12%/16%), Bromomethane (MSD at 51%), Vinyl chloride (64%/60%), 1,1-Dichloroethene (47%/50%), trans-1,2-Dichloroethene (38%/37%), Trichloroethene (21%/27%), 1,2-Dichlorobenzene (6%/9%), 1,3-Dichlorobenzene (6%/9%), 1,4-Dichlorobenzene (6%/9%), p/m-Xylene (13%/16%), o-Xylene (11%/16%), cis-1,2-Dichloroethene (46%/46%), Dibromomethane (48%/45%), Styrene (10%/14%), Acetone (6%/9%), Carbon disulfide (24%/26%), 2-Butanone (69%/58%), Vinyl acetate (62%/58%), 4-Methyl-2-pentanone (56%/51%), 1,2,3-Trichloropropane (43%/39%), 2-Hexanone (39%/35%), Bromochloromethane (56%/52%), 2,2-Dichloropropane (46%/48%), 1,2-Dibromoethane (39%/40%), 1,3-Dichloropropane (45%/44%), 1,1,1,2-Tetrachloroethane (20%/24%), Bromobenzene (12%/15%), n-Butylbenzene (3%/6%), sec-Butylbenzene (4%/8%), tert-Butylbenzene (6%/9%), o-Chlorotoluene (7%/11%), p-Chlorotoluene (7%/10%), 1,2-Dibromo-3-chloropropane (19%/20%), Hexachlorobutadiene (2%/4%), Isopropylbenzene (6%/10%), p-Isopropyltoluene (3%/7%), Naphthalene (8%/9%), Acrylonitrile (MSD at 57%), n-Propylbenzene (7%/11%), 1,2,3-Trichlorobenzene (2%/4%), 1,2,4-Trichlorobenzene (0%/0%), 1,3,5-Trimethylbenzene (6%/10%), 1,2,4-Trimethylbenzene (8%/11%), 1,4-Diethylbenzene (4%/7%), 4-Ethyltoluene (8%/10%), 1,2,4,5-Tetramethylbenzene (5%/7%) and trans-1,4-Dichloro-2-butene (13%/10%). The WG623224-6/-7 MS/MSD RPDs, performed on L1313126-32, are above the acceptance criteria for 1,1-Dichloroethane (31%), Chloroform (34%), Carbon tetrachloride (100%), 1,2-Dichloropropane (45%), Dibromochloromethane (54%), 1,1,2-Trichloroethane (35%), Tetrachloroethene (117%), Chlorobenzene (83%), Trichlorofluoromethane (59%), 1,1,1-Trichloroethane (72%),

Bromodichloromethane (46%), trans-1,3-Dichloropropene (44%), cis-1,3-Dichloropropene (55%), 1,1-Dichloropropene (87%), Bromoform (61%), 1,1,2,2-Tetrachloroethane (53%), Benzene (46%), Toluene (78%), Ethylbenzene (111%), Bromomethane (36%), 1,1-Dichloroethene (48%), trans-1,2-Dichloroethene (59%), Trichloroethene (69%), 1,2-Dichlorobenzene (105%), 1,3-Dichlorobenzene (106%), 1,4-Dichlorobenzene (90%), p/m-Xylene (108%), o-Xylene (113%), cis-1,2-Dichloroethene (36%), Styrene (94%), Acetone (39%), Carbon disulfide (91%), 2-Butanone (79%), 4-Methyl-2-pentanone (45%), 1,2,3-Trichloropropane (41%), 2-Hexanone (97%), 2,2-Dichloropropane (56%), 1,1,1,2-Tetrachloroethane (90%), Bromobenzene (83%), n-Butylbenzene (147%), sec-Butylbenzene (149%), tert-Butylbenzene (148%), o-Chlorotoluene (122%), p-Chlorotoluene (108%), 1,2-Dibromo-3-chloropropane (80%), Hexachlorobutadiene (161%), Isopropylbenzene (139%), p-Isopropyltoluene (150%), Naphthalene (66%), n-Propylbenzene (122%), 1,2,3-Trichlorobenzene (133%), 1,3,5-Trimethylbenzene (137%), 1,2,4-Trimethylbenzene (128%), 1,4-Diethylbenzene (142%), 4-Ethyltoluene (128%), 1,2,4,5-Tetramethylbenzene (138%) and trans-1,4-Dichloro-2-butene (105%). Based on the poor recoveries in the MS/MSD analysis, all VOA results for FD015 were qualified as estimated (J, UJ).

The WG621521-4/-5 MS/MSD recoveries, performed on SB020(GW), are outside the acceptance criteria for 1,2,4-Trichlorobenzene (120%/110%), 1,4-Dichlorobenzene (MS at 110%), 3,3'-Dichlorobenzidine (10%/19%), 2,4-Dinitrotoluene (130%/120%), Bis(2-ethylhexyl)phthalate (MS at 150%), Di-n-octylphthalate (150%/150%), Acetophenone (140%/130%), 2,4,6-Trichlorophenol (MS at 140%), P-Chloro-M-Cresol (130%/130%), 2-Chlorophenol (MS at 130%), 2,4-Dichlorophenol (MS at 150%), 4-Nitrophenol (MS at 83%) and 2,4,5-Trichlorophenol (140%/140%). The WG621521-4/-5 MS/MSD RPD, performed on L1313126-21, is above the acceptance criteria for 3,3'-Dichlorobenzidine (60%). All of these compounds were non-detect in the parent sample. Therefore, since the LCS/LCSD recoveries were acceptable with the exception of 3,3'-Dichlorobenzidine, the result for 3,3'-Dichlorobenzidine in SB020(GW) was qualified as estimated (UJ).

SVOA-SIM (PAH)

The WG621522-4 MS recovery, performed on SB020 (GW) is above the acceptance criteria for Pentachlorophenol (120%). This compound was not positively detected in this parent sample. Therefore, data was not qualified on this basis.

PCBs

The WG622947-4/-5 MS/MSD, performed on FD015 was not analyzed because the dilution required by the matrix of the sample to be utilized for the MS/MSD would have caused the spike compounds to be diluted below the range of calibration and accuracy and precision for this sample could not be determined.

Total and Dissolved Metals

The WG578387-4 MS recoveries for aluminum (400%), manganese (54%), Iron (200%), Calcium (70%), and Zinc (0%), performed on GW013 for total metals, do not apply because the sample concentrations are greater than four times the spike amount added. The WG578387-4 MS recoveries, performed on GW013 for total metals are outside the acceptance criteria for antimony (17%), arsenic (64%), lead (130%) and selenium (39%). A post digestion spike was performed with acceptable recoveries for antimony (105%), arsenic (103%), calcium (108%), iron (96%) and selenium (104%); and an unacceptable recovery for Lead (130%), which was attributed to sample matrix. Based on the low recoveries, results for antimony, arsenic and selenium in samples GW011 and GW013 were qualified

as estimated (J, UJ). Based on the elevated recoveries of lead, positive results for lead in samples GW011 and GW013 were qualified as estimated (J).

The WG579221-4 MS recoveries for aluminum (545%), iron (5450%) and zinc (0%), performed on SB010(14-16), do not apply because the sample concentrations are greater than four times the spike amount added. The WG579221-4 MS recovery, performed on SB010(14-16), is below the acceptance criteria for antimony (48%). A post digestion spike was performed with an acceptable recovery of 85%. Based on the low recovery of antimony, all soil samples in SDG No. L1222284 were qualified as estimated.

The WG580684-4 MS recoveries, performed on MW001 for total metals are above the acceptance criteria for aluminum (226%), calcium (160%) and iron (470%). A post digestion spike was performed with acceptable recoveries for aluminum (82%), calcium (116%) and iron (107%). Since concentrations were greater than 4X the spike concentrations and the post digestion spike was acceptable, no data was qualified.

The WG580873-4 MS recoveries for dissolved metals, performed on MW003, are below the acceptance criteria for silver (76%) and sodium (75%). A post digestion spike was performed with acceptable recoveries of silver (95%) and sodium (104%). No data was qualified on this basis.

The WG620604-4 MS recovery, performed on sub-surface vault is above the acceptance criteria for aluminum (122%). A post digestion spike was performed with an acceptable recovery of 119%. Positive result for aluminum in sub-surface vault is qualified as estimated (J).

The WG621975-3/-4 MS/MSD recoveries for aluminum (680%/648%), calcium (1190%/605%), chromium (0%/0%), copper (0%/0%), iron (0%/0%), lead (MS at 67%), manganese (0%/0%) and zinc (255%/346%), performed on FD015, do not apply because the sample concentrations are greater than four times the spike amount added.

The WG621975-3/-4 MS/MSD recoveries, performed on FD015, are outside the acceptance criteria for antimony (MS at 170%), arsenic (0%/0%), cobalt (MSD at 71%) and potassium (MS at 136%). A post digestion spike was performed with acceptable recoveries for antimony (83%), arsenic (86%), cobalt (81%) and potassium (95%). The WG621975-3/-4 MS/MSD recoveries, performed on FD015, are outside the acceptance criteria for cadmium (MSD at 68%), magnesium (153%/199%), Nickel (0%/0%) and thallium (70%/71%). A post digestion spike was performed with unacceptable recoveries for cadmium (68%), magnesium (60%), nickel (52%) and thallium (70%). This has been attributed to sample matrix. The WG621975-3/-4 MS/MSD RPDs, performed on L1313126-32, are above the acceptance criteria for antimony (50%) and iron (45%). Based on the poor MS/MSD recoveries, the result for nickel is rejected and all other analytes other than aluminum, calcium, chromium, copper, iron, lead, manganese and zinc are qualified as estimated (J, UJ)

The WG622275-8 MS recovery for Mercury (0%), performed on SB022 (6-8'), does not apply because the sample concentration is greater than four times the spike amount added.

The WG622513-3/-4 MS/MSD recoveries, performed on FD015, are above the acceptance criteria for Mercury (505%/263%). A post digestion spike was performed with an acceptable recovery of 104%. Based on the poor recoveries in the MS/MSD pair, the result for mercury was estimated (J).

The WG624316-3/-4 MS/MSD recoveries, performed on SB020(GW) for total metals, are above the acceptance criteria for aluminum (128%/122%), calcium (190%/170%), iron (140%/144%), magnesium (142%/141%), manganese (122%/122%) and sodium (132%/128%). A post digestion spike was

performed with acceptable recoveries for calcium (106%), iron (106%), magnesium (105%), manganese (117%) and sodium (108%). A post digestion spike was performed with an unacceptable recovery for aluminum (128%). This has been attributed to sample matrix and all positive results for these compounds in SB020(GW) were qualified as estimated (J).

The WG621721-4/-7 MS/MSD recoveries, performed on SB020 GW for dissolved metals, are outside the acceptance criteria for calcium (20%/10%) and sodium (MS at 79%). A post digestion spike was performed with acceptable recoveries for calcium (111%) and sodium (111%). Based on the low recoveries, results for calcium and sodium in SB020(GW) were qualified as estimated (J).

The WG627084-4 MS recoveries for calcium (62%) and sodium (0%), performed on OB003 for dissolved metals, do not apply because the sample concentrations are greater than four times the spike amount added. The WG627084-4 MS recovery, performed on OB003, is below the acceptance criteria for potassium (0%). A post digestion spike was performed with an acceptable recovery of 92%. Based on no recovery, the result for potassium was rejected (R).

Laboratory Duplicates

Total and Dissolved Metals

Laboratory duplicate analyses performed for metals were acceptable.

The WG580684-3 Laboratory Duplicate RPD, performed on MW001, is above the acceptance criteria for total nickel (25%); however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

The WG580873-3 Laboratory Duplicate RPD, performed on MW003, is outside the acceptance criteria for dissolved iron (22%). Based on unacceptable precision in the lab duplicate pair, results for dissolved iron in MW001 and MW003 was qualified as estimated (J).

Field Duplicates

Samples SV-DUP-001, SOIL_DUP_001, GW_DUP_001 and FD_DUP_001 were identified as field duplicates of SV004, SB020 (10-12'), SB021 (GW) and FD007, respectively. If target compounds were non-detect in the field duplicate pair, then no assessment of precision could be made. Unless noted below, paired results were acceptable and no qualification of data was required. Precision and accuracy qualifications are summarized in the Data Validation Report found in Appendix C.

Sample Quantitation and Quantitation Limits

Target compound quantitation and reported detection limits were accurately reported, including adjustments for sample dilutions.

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

VOAs

SB016(6-8): The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample, medium level protocols were followed.

The result for 1,2,4,5-tetramethylbenzene in the original dilution of sample SB015(8-10') that was detected outside the linear range of the instrument and qualified with an "E" was rejected (R) due to detection of this compound outside the linear range of the instrument and to avoid confusion since a more quantitatively accurate result was available in the subsequent dilution analysis. The result from the dilution analysis replaced the rejected value. All "E" flags were removed by the validator.

SVOAs

Samples for full scan 8270D, SB009(8-10) has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

SB017(0-2'), SB022(0-2'), SB022(6-8') and FD009 have elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples.

SB020(6-8') and FD015 have elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the sample matrices.

FD016 has elevated detection limits due to the dilution required by the sample matrix. FD005 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

PCBs

SB016(6-8) has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

FD015 and FD_DUP_001 have elevated detection limits due to the dilutions required by the sample matrices.

Pests

SB009(8-10) and SB016(6-8) have elevated detection limits due to the dilutions required by the sample matrices.

SB009(4-6) and SB016(2-4) have elevated detection limits due to the dilutions required by the sample matrix.

L1313126-01, -03, -09 through -17, -19, and -27 through -33 have elevated detection limits due to the dilutions required by the sample matrices.

The dual column RPDs for the following samples are above the acceptance criteria for the listed compounds; however, obvious column interferences are present. Due to these interferences, the lower of the two results are reported and qualified with a "P" as follows; SB018(0-2'): alpha-BHC and 4,4'-DDE, SB021(0-2'): endrin, FD007: 4,4'-DDE, SB014(8-10'): 4,4-DDT. Based on the poor precision between the dual column quantitation, results for alpha-BHC and 4,4'-DDE in SB018(0-2'), endrin in

SB021(0-2') and 4,4'-DDE in FD007 were qualified as estimated (J) and the validator recommends caution in the use of these data.

FD016 has elevated detection limits due to the dilution required by the sample matrix.

Total and Dissolved Metals

All samples in SDG No. L1222284 have elevated detection limits for all total elements, except mercury, due to the dilutions required by the sample matrices.

GW011 and GW013 have elevated detection limits for all dissolved elements, except mercury, due to the dilutions required by matrix interferences encountered during the 6020A analysis.

MW001 and MW003 have elevated detection limits, for all total and dissolved analytes, with the exception of mercury, due to the dilutions required by matrix interferences encountered during the 6020 analysis.

All soil samples in SDG No. L1223077 have elevated detection limits for all analytes, with the exception of mercury, due to the dilutions required by non-target analyte spectral interferences.

L1313126-01 through -19, -23, and -27 through -33 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

FD016 and FD005 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

VOAs in Air

SV001, SV002 and SV003 have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

Results for Propylene in SV001, SV003, SV004, SV005, SV007 and SV-Dup-001 should be considered estimated (J) due to co-elution with a non-target peak. Results for 1,3-butadiene in samples SV004, SV005 and SV-Dup-001 should be considered estimated (J) due to co-elution with a non-target peak.

The result for acetone in SV005 should be considered estimated (J) due to a co-elution with a non-target peak. Results for 2,2,4-trimethylpentane in SV004 and SV005 are rejected (R) due to non-target interferences. The result for Tetrahydrofuran in SV007 should be considered estimated due to co-elution with a non-target peak.

All air samples in SDG L1313032 have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

Total Petroleum Hydrocarbons (TPH) by GC/FID Identification

Product sample MW002 was extracted and then analyzed using GC/FID for hydrocarbons in the n-Octane (C8) to n-Tetracontane (C40) range. Qualitative evaluation of the sample is conducted by reviewing the sample chromatogram in conjunction with a chromatogram of a normal alkane series generated with the same chromatographic conditions. Quantitative determination of the sample hydrocarbon concentration is performed in accordance with EPA Method 8015M.

Sample MW002 PRODUCT (L1223078-01) contains hydrocarbons eluting in the range prior to the elution of n-Octane (C8) to after the elution of n-Hexadecane (C16). Based on the data generated, sample MW002 PRODUCT (L1223078-01) contains material eluting in the low molecular weight range of the chromatogram. The material present is petroleum in nature and is similar to gasoline. Based on the chromatographic nature of the chromatogram the sample does not appear to be weathered.

Summary of Qualifications Based on Level (Tier) III (full data validation review)

Data validation report submitted as Appendix C to the DUSR. Findings of the validation effort resulted in the following qualifications of sample results:

- Based on the high recoveries in the low level check standard, results for total vanadium, zinc and selenium, and dissolved vanadium, zinc and selenium in SB021(GW) were qualified as estimated (J), biased high.
- Based on unacceptable %RSD or %D values in the associated calibration standards, the following results were qualified as estimated (J, UJ):
 - Results of bromomethane, acetone, 2-butanone, trans-1,3-dichloropropene and trans-1,4-dichloro-2-butene in samples SB017(0-2') and SB020(10-12').
 - Results for bromomethane and 1,2,4,5-tetramethylbenzene in MW004 and the result for bromomethane in FD005.
 - The result for naphthalene in SB020(10-12').
 - The result for hexachlorocyclopentadiene in SB021(GW).
 - Results for bis(2-chloroisopropyl)ether, hexachlorobutadiene, 2,4,6-trichlorophenol, 2,4,5-trichlorophenol, 2,6-dinitrotoluene and 4-bromophenyl phenyl ether in SB017(0-2') and SB020(10-12').
 - Results for benzyl alcohol, 3-methylphenol/4-methylphenol, n-nitrosodi-n-propylamine, isophorone, 2-nitrophenol, 2,4-dimethylphenol, bis(2-chloroethoxy)methane, 2-nitroaniline, 2,6-dinitrotoluene, 2,4-dinitrophenol, 4-nitroaniline and butyl benzyl phthalate in MW004.
- Based on laboratory contamination, results for toluene, 2-butanone and methylene chloride in all soil and water samples reported at concentrations less than the reporting limit (RL) were qualified as non-detect at less than the reporting limit (U).
- Based on laboratory contamination, results for hexachlorobutadiene, naphthalene, 2-methylnaphthalene and hexachloroethane in all water samples reported at concentrations below the reporting limit were qualified as non-detect at less than the reporting limit (U).
- Based on laboratory preparation blank contamination, results for total aluminum, antimony, chromium, silver, sodium, and dissolved (soluble) aluminum, antimony, calcium, chromium, copper, manganese, and nickel reported at concentrations below the reporting limit in the July water samples were qualified as non-detect at less than the reporting limit (U).

- Based on laboratory preparation blank contamination, results for Total aluminum, antimony, chromium, silver, sodium, and dissolved (soluble) aluminum, antimony, calcium, chromium, copper, manganese, and nickel reported at concentrations below the reporting limit in the August water samples were qualified as non-detect at less than the reporting limit (U).
- Based on laboratory contamination results for (total and soluble) cadmium, arsenic, copper, iron, all soil and water samples from July reported at concentrations below the reporting limit were qualified as non-detect at less than the reporting limit (U).
- Based on laboratory contamination results for (total and soluble) antimony, beryllium, copper, iron, nickel, potassium, selenium, sodium, thallium and vanadium in all soil and water samples from August reported at concentrations below the reporting limit were qualified as non-detect at less than the reporting limit (U).
- Field blanks and trip blanks are not assessed based on concentration of analytes found in the method blank levels.
- Based on TB contamination, results for acetone, reported below the adjusted RL in water and soil samples were qualified as non-detect at the RL (U).
- Based on field blank contamination, results for acetone, bis(2-Ethylhexyl)phthalate and naphthalene reported below the reporting limit in soil and water samples were qualified as non-detect at the reporting limit (U).
- Based on field blank contamination, results for aluminum, barium, calcium, chromium, copper, iron, lead, manganese, nickel, sodium and zinc (not previously qualified) reported below the reporting limit in the associated samples water and soil samples were qualified as non-detect at the reporting limit (U).
- Based on recovery of the acid surrogate <10%, the non-detect acids in SB017(0-2') were rejected (R).
- Based on the low recoveries and poor reproducibility in the MS/MSD pair, all VOA compounds in SB017(0-2') were qualified as estimated (J, UJ).
- Based on the low or no recovery, results of all acid compounds and hexachlorocyclopentadiene in SB017(0-2') were rejected (R).
- Based on the unacceptable MS/MSD recoveries, results for bis(2-chloroisopropyl)ether, 4-chloroaniline and 4-nitroaniline in SB017(0-2') were qualified as estimated (UJ).
- Based on the poor MS/MSD recoveries, results for chromium, copper and mercury were qualified as estimated (J, UJ) for all soil samples in SDG No. L1313126.
- Based on poor reproducibility in the field duplicate pairs, the following results were qualified as estimated (J, UJ):
 - dissolved lead, dissolved manganese, total aluminum, total arsenic, total copper, total iron, total lead, total manganese, and total mercury in samples SB021(GW) and GW_DUP_001.

- Total calcium, total chromium, total sodium, and acetone in SB020(10-12') and SOIL_DUP_001.
- 4,4-DDD, total aluminum, total calcium, total chromium, and total mercury in FD007 and FD_DUP_001.
- Based on low recovery in the blank spike, the result for trans-1,4-dichloro-2-butene in SB020(10-12') was qualified as estimated (UJ).
- Based on low recovery in the blank spike, results for 2,2-dichloropropane, naphthalene, pentachlorophenol in SB021(GW) were qualified as estimated (UJ).
- Based on low recovery in the blank spike, results for hexachlorocyclopentadiene, 4-chloroaniline in SB017(0-2') and SB020(10-12') were qualified as estimated (UJ). Please note hexachlorocyclopentadiene was previously rejected in SB017(0-2') based on MS/MSD recoveries and the R qualifier takes precedence.
- Based on low recovery in the blank spike, the result for 2,4-dinitrophenol in MW004 was qualified as estimated (J, UJ).
- Based on low recovery in the blank spike, the result for 4-chloroaniline in FD005 was qualified as estimated (J, UJ).
- Based on the poor precision between the dual column concentration, the result for 4,4'-DDE in SB017(0-2') was qualified as estimated (J).
- Results for propylene in SV004, SV005, and SV-Dup-001 were qualified as estimated (J) due to co-elution with a non-target peak. Results for 1,3-butadiene in samples SV004, SV005 and SV-Dup-001 were qualified as estimated (J) due to co-elution with a non-target peak.
- The result for acetone in SV005 was qualified as estimated (J) due to a co-elution with a non-target peak.
- Results for 2,2,4-trimethylpentane in SV004 and SV005 are rejected (R) due to non-target interferences.
- Based on the elevated concentration in the soluble analysis (>20%), the results for total and dissolved antimony in SB021(GW) were qualified as estimated (J).
- The laboratory appropriately applied "J" qualifiers to the sample Form I's when the concentration of an analyte was less than the sample-specific quantitation limit. The validator did not remove these qualifiers.
- For the air samples in SDG No. L131032, the validator recommends caution in the use of low level results for common laboratory solvents such as acetone, toluene, 2-butanone and methylene chloride since no trip blank or field (equipment) blank was submitted for VOAs in the sample set.

The NYS Category B ASP data packages were complete with the following exceptions and, at the client's discretion, should be provided by the laboratory upon request.

- Form 8 summaries for the pesticide and PCB analyses were incomplete and did not include RTs of the surrogate and/or internal standard responses to document any RT shifts. No IS and RT criteria or limits were provided by the laboratory.
- Calibration Summary Form for SDG No. L1313126 on page 884 indicated that the start of the calibration was on 27 April 2013 rather than 2 July 2013 as documented on the Form 5.
- ICPMS Form 2B summaries for all sequences were missing from the data packages.
- All metals Form 3 summaries for the ICP and ICPMS data sets, did not include the negative response values for the ICB/CCB samples as required by the NYS ASP protocol.
- Calculated %recovery for calcium was missing from the summary Form 4A for SDG L1313126 and SDG L13135565.
- An incorrect RF was reported on the Form 7 summary for the ICV in SDG No. L1313126. A correction was requested.
- The ICF and linear Range summaries for SDG No. L1315565 data packages were over two years old. These were requested from the laboratory and updates will be provided.
- Case narratives are missing calibration exceedances for all methods.

These issues do not directly affect the validity of the analytical data, but could be problematic if the results were to be used in a litigation situation.

For the majority of the data points, the overall quality of the data, although estimated, were acceptable and all results as qualified are considered usable as noted above with the exceptions of the rejected data points found in Samples SB018(0-2'), SB021(0-2'), FD015, OB003, SB017(0-2'), SV004 and SV005.

ATTACHMENT A

CHAIN OF CUSTODY RECORDs

**SDG Nos. L1222284, L1222366, L1223077, L1223078,
L1312727, L1313032, L1313126, L1314810 and L1315565**

**Volatiles, Semivolatiles, Pesticides/PCBs, Total and Metals in Soil and Water Samples,
Total and Dissolved Metals in Water Samples, and Volatiles in Air Samples**



CHAIN OF CUSTODY

PAGE 1 OF 1

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client:

Address: 630 Johnson Ave.

Bohemia NY 11716

Phone: 631-589 6353

Fax:

Email: Chase C@pwgossner.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Project Information

Project Name:

Project Location: 74 Wallabout

Project #: RAB1203

Project Manager: Andy L

ALPHA Quote #:

Turn-Around Time

☒ Standard☐ RUSH (only confirmed if pre-approved!)

Date Due:

12/14/12

Time:

Date Rec'd in Lab:

12/8/12

ALPHA Job #:

L1222284

Report Information - Data Deliverables

☐ FAX☒ EMAIL☒ ADEx☐ Add'l Deliverables

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State /Fed Program

Criteria

ANALYSIS
VOC 8260
SVOC 8270
Metals TAL (total and filtered)
PCB/Res. 8182 (lab)

SAMPLE HANDLING

Filtration _____

☐ Done☐ Not needed☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials											(Please specify below)	TOTAL # BOTTLES
		Date	Time														
22284-1	SB010 (14-16)	12/7/12	8:30	SS	CC	✓	✓	✓	✓								6
2	SB011 (8-10)		9:40			✓	✓	✓	✓								
3	SB012 (8-10)		10:30			✓	✓	✓	✓								
4	SB013 (6-8)		11:00			✓	✓	✓	✓								
5	SB009 (8-10)		11:30			✓	✓	✓	✓								
6	SB016 (6-8)		12:50			✓	✓	✓	✓								
7	SB015 (8-10)		13:20			✓	✓	✓	✓								
8	SB014 (8-10)		13:50			✓	✓	✓	✓								
9	GW011		10:00	GW		✓	✓	✓	✓								10
10	GW013		14:00	GW		✓	✓	✓	✓								10

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. Page 21 of 134



PAGE 1 OF 1

Must have minimum reporting limit as per NYS Dept. of Health.

Time:

ANALYSIS

12/19/12	16:25
12/10/12	18:00
12/10/12	22:15



WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab:

12/19/12

ALPHA Job #:

41223077

Client Information

Client: PWCC

Address: 635 Johnson Ave Ste 7
Bohemia, NY 11716

Phone:

Fax:

Email: chasec@pwgrosse.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Project Information

Project Name: RAB1203

Project Location: 74 Wallabout St.

Project #: RAB1203

Project Manager: Andy Luckwood

ALPHA Quote #:

Turn-Around Time

☒ Standard

☐ RUSH (only confirmed if pre-approved!)

Date Due:

12/27/12

Time:

Report Information - Data Deliverables

☐ FAX

☒ EMAIL

☒ ADEX

☐ Add'l Deliverables

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State /Fed Program

Criteria

ANALYSIS
VOC 8260
SVOC 8270
Pest/PCB
TAL Metals Total
TAL Metals - Lab Filtered
TAL Metals
Finger print (TPH_{sec})

SAMPLE HANDLING

Filtration TAL Metals

☐ Done

☐ Not needed

☒ Lab to do

Preservation

☐ Lab to do

(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials											Sample Specific Comments	
		Date	Time														
23077	1 MW003	12-19-12	9:00	GW	CL	X	X	X	X	X							11
	MW002 Product		14:00	GW												Run non-aqueous portion only	11
2	MW001		11:45	GW		X	X	X	X	X							11
3	SB013 (0-2)		9:30	S		X				X							2
4	SB015 (2-4)		9:35	S		X				X							2
5	SB009 (4-6)		9:40	S				X		X							2
6	SB010 (0-2)		9:45	S				X		X							2
7	SB016 (2-4)		9:50	S				X		X							2

Container Type

V A A P P

Preservative

B A A C A

Relinquished By:

Chase Camacho

Date/Time

12/19/12 15:00

Received By:

Steve Manning

Date/Time

12/19/12 15:00

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. Page 24 of 134



AIR ANALYSIS

CHAIN OF CUSTODY

PAGE _____ OF _____

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

Client Information

Client: **PNGC**
Address: **630 Johnson Ave.**
Bohemia, NY 11716
Phone: **631.589.6353**
Fax: **631.589.8705**
Email: **dereke@pngrosser.com**

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project Information

Project Name:

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

Turn-Around Time

☐ Standard

☐ RUSH (only confirmed if pre-approved!)

Date Due:

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 #: **41313032**

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						Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
		Date	Start Time	End Time	Initial Vacuum	Final Vacuum														
41313032-1	SV005	7/11/13	0822	1023	-30.14	-6.31	SV	JCLAR			755	0124								
2	SV004		1082	1230	-29.32	-7.77					818	0544								
3	SV007		1048	1252	-30.20	-8.17					875	0158								
4	SV006		1112	1315	-29.60	-2.60					799	0103								
5	SV-Dup-001		XX	XX	-29.60	NA					568	0019								Flow controller, no battery.

*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:

Date/Time

Received By:

Date/Time:



WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

CHAIN OF CUSTODY

PAGE 1 OF 4

Date Rec'd in Lab: 7/13/13

ALPHA Job #: L1313126

Project Information

Project Name: BCP Project
Project Location: 74 Wallabout St
Brooklyn, NY
Project #: RAB 1301
Project Manager: Derek E. Ershak
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 7/19/13 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEX ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program Criteria

Client Information

Client: P.W.C.
Address: 630 Johnson Ave, Sk 7
Bohemia, NY 11716
Phone: 631-589-6353
Fax: 631-589-8725
Email: derek@pwcgrasser.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

ASP Category B Deliverables

ANALYSIS	8060				8070				6010/7471				8081/8082				TOTAL # BOTTLES
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	

SAMPLE HANDLING

Filtration _____

☐ Done

☐ Not needed

☐ Lab to do

☐ Preservation

☐ Lab to do

(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Sample Specific Comments															
		Date	Time																		
13126.01	SB017 (0-2')/MS/MSD	7-1-13	1115	Soil	AR/SC	X	X	X	X												18
.02	SB017 (6-8')		1120																		6
.03	SB017 (10-12')		1125																		6
.04	SB018 (0-2')		1310																		6
.05	SB018 (6-8')		1315																		6
.06	SB018 (10-12')		1320																		6
.07	SB019 (0-2')		1520																		6
.08	SB019 (6-8')		1525																		6
.09	SB019 (10-12')		1530																		6
.10	SB020 (0-2')		1145																		6

Container Type

V A A A

Preservative

A A A

Relinquished By:

[Signature]
Derek Ershak

Date/Time

7/12/13 10:30

7/12/13 18:45

7/13/13 00:20

Received By:

[Signature]
Abdul M. Mubiny
Frank, et al

Date/Time

7/12/13 10:30

7/12/13 08:15

7/13/13 00:20

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. Page 27 of 134



WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

CHAIN OF CUSTODY

PAGE 2 OF 4

Project Information

Project Name: BCP Project
Project Location: 74 Wallabout St. Brooklyn, NY
Project #: RAB1301
Project Manager: Derek Ensbach
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 7/19/13 Time:

Date Rec'd in Lab: 7/13/13

ALPHA Job #: L1313126

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program Criteria

Client Information

Client: PWGC
Address: 630 Johnson Ave, Ste 7. Bohemia, NY 11716
Phone: 631-589-6353
Fax: 631-589-8705
Email: dereke@pwgrosser.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

ASP Category B Deliverables

ANALYSIS										TOTAL # BOTTLES	
8260	5070	6010/7471	8081/8082								
SAMPLE HANDLING Filtration _____ ☐ Done ☐ Not needed ☐ Lab to do Preservation ☐ Lab to do (Please specify below)											
Sample Specific Comments											

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials											(Please specify below)	L E S	
		Date	Time															Sample Specific Comments
13126 .11	SB020 (6-8')	7-11-13	1200	Soil	AR/SC	X	X	X	X									6
.12	SB020 (10-12')		12:15															6
.13	SB021 (0-2')		1240															6
.14	SB021 (6-8')		1245															6
.15	SB021 (10-12')		1250															6
.16	SB022 (0-2')		1355															6
.17	SB022 (6-8')		1400															6
.18	SB022 (10-12')		1405															6
.19	SOIL-DUP-001		X X															6
.20	EQUIP-BLANK-SOIL-001	✓	0925	Liquid	✓	✓	✓	✓	✓									11

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

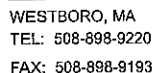
AR
Abdul Mshary

7/12/13 1430
7/12/13 18:15
7/13/13 00:20

Abdul Mshary
7/12/13 18:40
7/13/13 00:20

7/12/13 10:30
7/12/13 18:40
7/13/13 00:20

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PAGE 4 OF 4

Date Rec'd in Lab: 7/13/13

ALPHA Job #: 41313126

Client Information

Client: PWG C

Address: 630 Johnson Ave, Ste 7
Bohemia NY 11716

Phone: 621-589-6353

Fax: 631-584-8705

Email: dereke@dwarosser.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Project Information

Project Name: BCP Project
Project Location: 34 Wallerburg St
Brooklyn NY

Project #: RAB1301

Project Manager: Derek Eshall

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 4/19/13 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

 Same as Client info	PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
☐ Lab to do
 Preservation
☐ Lab to do
 (Please specify below)

**TOTAL

ECTIONS**

[illegible]

Container Type

Preservative

Relinquished By:

Date/Time

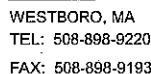
Received By:

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.

Page 30 of 134



MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

PAGE / OF

Date Rec'd in Lab: 8/13/13

ALPHA Job #: L1315565

Client Information

Client: PW Grosser Consulting
Address: 630 Johnson Ave
Bohemia NY 11716
Phone: 631-589-6353

Fax:

Email: Ryan M @ pwgrosser.com
Derek E @ pwgrosser.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Category B Deliverables

Project Information

Project Name: 74 Walnut St.

Project Location: Brooklyn, NY

Project #: KAB1301

Project Manager: Derek Essbark

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 8/20/13 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☒ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

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
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S

[illegible]

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.

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ATTACHMENT B

CASE NARRATIVE

**SDG Nos. L1222284, L1222366, L1223077, L1223078,
L1312727, L1313032, L1313126, L1314810 and L1315565
Volatiles, Semivolatiles, Pesticides/PCBs, Total and Metals in Soil and Water Samples,
Total and Dissolved Metals in Water Samples, and Volatiles in Air Samples**

Project Name: Not Specified
Project Number: RAB1203

Lab Number: L1222284
Report Date: 12/14/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1222284-01	SB010 (14-16)	74 WALLABOUT	12/07/12 08:30
L1222284-02	SB011 (8-10)	74 WALLABOUT	12/07/12 09:40
L1222284-03	SB012 (8-10)	74 WALLABOUT	12/07/12 10:30
L1222284-04	SBG13 (6-8)	74 WALLABOUT	12/07/12 11:00
L1222284-05	SB009 (8-10)	74 WALLABOUT	12/07/12 11:30
L1222284-06	SB016 (6-8)	74 WALLABOUT	12/07/12 12:50
L1222284-07	SB015 (8-10)	74 WALLABOUT	12/07/12 13:20
L1222284-08	SB014 (8-10)	74 WALLABOUT	12/07/12 13:50
L1222284-09	GW011	74 WALLABOUT	12/07/12 10:00
L1222284-10	GW013	74 WALLABOUT	12/07/12 14:00

Project Name: Not Specified**Lab Number:** L1222284**Project Number:** RAB1203**Report Date:** 12/14/12

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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: Not Specified
Project Number: RAB1203

Lab Number: L1222284
Report Date: 12/14/12

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

L1222284-06: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

The surrogate recoveries for L1222284-07 and -07D are above the acceptance criteria for 4-Bromofluorobenzene (406% and 229%, respectively); however, the sample was not re-analyzed due to coelution with obvious interferences. Copies of the chromatograms are included as an attachment to this report.

Semivolatile Organics

The surrogate recoveries for L1222284-04 are below the acceptance criteria for 2-Fluorophenol, Phenol-d6, Nitrobenzene-d5, 2-Fluorobiphenyl and 4-Terphenyl-d14 (all 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

L1222284-05 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

PCBs

L1222284-06 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

Pesticides

The surrogate recoveries for L1222284-04 were above the acceptance criteria for Decachlorobiphenyl (372%/1110%); however, re-extraction achieved similar results: Decachlorobiphenyl (379%/254%) and 2,4,5,6-Tetrachloro-m-xylene (201%). The results of both extractions are reported.

The dual column RPD for L1222284-04RE is above the acceptance criteria for Delta-BHC; however, obvious column interferences are present. Due to these interferences, the lower of the two results is reported and

Project Name: Not Specified
Project Number: RAB1203

Lab Number: L1222284
Report Date: 12/14/12

Case Narrative (continued)

qualified with a "P".

L1222284-05 and -06 have elevated detection limits due to the dilutions required by the sample matrices. The surrogate recoveries for L1222284-05 and -06 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported. The dual column RPD for L1222284-08 is above the acceptance criteria for 4,4'-DDT; however, no obvious column interferences are present. The higher of the two results is reported and qualified with a "P".

Total Metals

L1222284-01 through -10 have elevated detection limits for all elements, except Mercury, due to the dilutions required by the sample matrices.

The WG578387-4 MS recoveries for Aluminum (400%), Manganese (54%) and Zinc (0%), performed on L1222284-10, do not apply because the sample concentrations are greater than four times the spike amount added.

The WG578387-4 MS recoveries, performed on L1222284-10, are outside the acceptance criteria for Antimony (17%), Arsenic (64%), Calcium (70%), Iron (200%), Lead (130%) and Selenium (39%). A post digestion spike was performed with acceptable recoveries for Antimony (105%), Arsenic (103%), Calcium (108%), Iron (96%) and Selenium (104%); and an unacceptable recovery for Lead (130%), which was attributed to sample matrix.

The WG579221-4 MS recoveries for Aluminum (545%), Iron (5450%) and Zinc (0%), performed on L1222284-01, do not apply because the sample concentrations are greater than four times the spike amount added. The WG579221-4 MS recovery, performed on L1222284-01, is below the acceptance criteria for Antimony (48%). A post digestion spike was performed with an acceptable recovery of 85%.

Dissolved Metals

L1222284-09 and -10 have elevated detection limits for all elements, except Mercury, due to the dilutions required by matrix interferences encountered during the 6020A analysis.

The WG579259-1 Method Blank, associated with L1222284-09 and -10, has a concentration above the

Project Name: Not Specified
Project Number: RAB1203

Lab Number: L1222284
Report Date: 12/14/12

Case Narrative (continued)

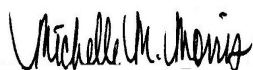
reporting limit for Antimony. The results of the original analyses are reported and are qualified with a "B".

The WG579259-1 Method Blank, associated with L1222284-09 and -10, has a concentration above the reporting limit for Barium. Since the associated sample concentrations are greater than 10x the blank concentration for this element, no qualification of the results was performed.

The WG579259-4 MS recovery for Calcium (185%), performed on L1222284-10, does not apply because the sample concentration is greater than four times the spike amount added.

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: 12/14/12

Project Name: 74 WALLABOUT
Project Number: RAB1203

Lab Number: L1222366
Report Date: 12/17/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1222366-01	SV002	74 WALLABOUT	12/10/12 15:59
L1222366-02	SV001	74 WALLABOUT	12/10/12 16:00
L1222366-03	SV003	74 WALLABOUT	12/10/12 16:01

Project Name: 74 WALLABOUT
Project Number: RAB1203

Lab Number: L1222366
Report Date: 12/17/12

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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: 74 WALLABOUT
Project Number: RAB1203

Lab Number: L1222366
Report Date: 12/17/12

Case Narrative (continued)

Volatile Organics in Air

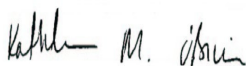
Canisters were released from the laboratory on December 6, 2012. The canister certification results are provided as an addendum.

L1222366-01 through -03 and WG579090-5 Duplicate have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

L1222366-02 and -03 results for Propylene should be considered estimated due to co-elution with a non-target peak.

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:



Kathleen O'Brien

Title: Technical Director/Representative

Date: 12/17/12

Project Name: RAB1203
Project Number: RAB1203

Lab Number: L1312727
Report Date: 07/16/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1312727-01	SUB-SURFACE VAULT	74 WALLABOUT ST., BK	07/09/13 13:00

Project Name: RAB1203**Lab Number:** L1312727**Project Number:** RAB1203**Report Date:** 07/16/13

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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: RAB1203**Lab Number:** L1312727**Project Number:** RAB1203**Report Date:** 07/16/13**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.

Total Metals

The WG620604-4 MS recovery, performed on L1312727-01, is above the acceptance criteria for Aluminum (122%). A post digestion spike was performed with an acceptable recovery of 119%.

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: 07/16/13

Project Name: RAB1203
Project Number: RAB1203

Lab Number: L1223077
Report Date: 12/27/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1223077-01	MW003	74 WALLABOUT STREET BROOKLYN	12/19/12 09:00
L1223077-02	MW001	74 WALLABOUT STREET BROOKLYN	12/19/12 11:45
L1223077-03	SB013(0-2)	74 WALLABOUT STREET BROOKLYN	12/19/12 09:30
L1223077-04	SB015(2-4)	74 WALLABOUT STREET BROOKLYN	12/19/12 09:35
L1223077-05	SB009(4-6)	74 WALLABOUT STREET BROOKLYN	12/19/12 09:40
L1223077-06	SB010(0-2)	74 WALLABOUT STREET BROOKLYN	12/19/12 09:45
L1223077-07	SB016(2-4)	74 WALLABOUT STREET BROOKLYN	12/19/12 09:50

Project Name: RAB1203**Lab Number:** L1223077**Project Number:** RAB1203**Report Date:** 12/27/12

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.

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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

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

Project Name: RAB1203
Project Number: RAB1203

Lab Number: L1223077
Report Date: 12/27/12

Case Narrative (continued)

Report Submission

The Fingerprint analysis was performed at our Mansfield facility and the results will be issued under separate cover.

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

Pesticides

L1223077-05 and -07 have elevated detection limits due to the dilutions required by the sample matrix.

Total Metals

L1223077-01 and -02 have elevated detection limits, for all analytes, with the exception of Mercury, due to the dilutions required by matrix interferences encountered during the 6020 analysis.

L1223077-03 through -07 has elevated detection limits for all analytes, with the exception of Mercury, due to the dilutions required by non-target analyte spectral interferences.

The WG580684-4 MS recoveries, performed on L1223077-02, are above the acceptance criteria for Aluminum (226%), Calcium (160%) and Iron (470%). A post digestion spike was performed with acceptable recoveries for Aluminum (82%), Calcium (116%) and Iron (107%).

The WG580684-3 Laboratory Duplicate RPD, performed on L1223077-02, is above the acceptance criteria for Nickel (25%); however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

Dissolved Metals

L1223077-01 and -02 have elevated detection limits, for all analytes, with the exception of Mercury, due to the dilutions required by matrix interferences encountered during the 6020 analysis.

The WG580873-4 MS recoveries, performed on L1223077-01, are below the acceptance criteria for Silver (76%) and Sodium (75%). A post digestion spike was performed with acceptable recoveries of Silver (95%) and Sodium (104%).

The WG580873-3 Laboratory Duplicate RPD, performed on L1223077-01, is outside the acceptance criteria

Project Name: RAB1203

Lab Number: L1223077

Project Number: RAB1203

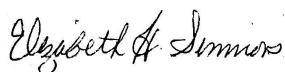
Report Date: 12/27/12

Case Narrative (continued)

for Iron (22%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

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:



Elizabeth Simmons

Title: Technical Director/Representative

Date: 12/27/12

Project Name: RAB1203
Project Number: RAB1203

Lab Number: L1223078
Report Date: 01/02/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1223078-01	MW002 PRODUCT	74 WALLABOUT STREET BROOKLYN	12/19/12 14:00

Project Name: RAB1203**Lab Number:** L1223078**Project Number:** RAB1203**Report Date:** 01/02/13

Case Narrative

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

Project Name: RAB1203**Lab Number:** L1223078**Project Number:** RAB1203**Report Date:** 01/02/13**Case Narrative (continued)****Total Petroleum Hydrocarbons (TPH) by GC/FID**

The sample was extracted and then analyzed using a gas chromatograph equipped with a flame ionization detector (GC/FID). The temperature program and associated experimental conditions were optimized to obtain maximum resolution in an eighty minute chromatographic run representative of hydrocarbons in the n-Octane (C8) to n-Tetracontane (C40) range. Qualitative evaluation of the sample is conducted by reviewing the sample chromatogram in conjunction with a chromatogram of a normal alkane series generated with the same chromatographic conditions. Chromatograms of hydrocarbon reference materials obtained from our library of 73 reference standards are also utilized to provide the best possible sample match. Quantitative determination of the sample hydrocarbon concentration is performed in accordance with EPA Method 8015M. The sample total hydrocarbon concentration and all associated quality control data are included in the report.

All quality control parameters met the specified criteria.

Total Petroleum Hydrocarbon Identification

Sample MW002 PRODUCT (L1223078-01) contains hydrocarbons eluting in the range prior to the elution of n-Octane (C8) to after the elution of n-Hexadecane (C16).

Based on the data generated, sample MW002 PRODUCT (L1223078-01) contains material eluting in the low molecular weight range of the chromatogram. The material present is petroleum in nature and is similar to gasoline. Based on the chromatographic nature of the chromatogram the sample does not appear to be weathered.

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:



Elizabeth Porta

Title: Technical Director/Representative

Date: 01/02/13

ORGANICS



Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 08/01/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1313032-01	SV005	Not Specified	07/11/13 10:23
L1313032-02	SV004	Not Specified	07/11/13 12:30
L1313032-03	SV007	Not Specified	07/11/13 12:52
L1313032-04	SV006	Not Specified	07/11/13 13:15
L1313032-05	SV-DUP-001	Not Specified	07/11/13 00:00

Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

Case Narrative

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Volatile Organics in Air

Project Name: RAB1301
Project Number: Not Specified

Lab Number: L1313032
Report Date: 07/19/13

Case Narrative (continued)

Canisters were released from the laboratory on July 10, 2013. The canister certification results are provided as an addendum.

The field personnel were unable to record the final pressure for the sample designated SV-DUP-001 due to a dead battery in the associated pressure gauge.

Samples L1313032-01 through -05 have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

Samples L1313032-01 through -03 and -05 results for Propylene should be considered estimated due to co-elution with a non-target peak.

Samples L1313032-01, -02 and -05 results for 1,3-Butadiene should be considered estimated due to co-elution with a non-target peak.

Sample L1313032-01 results for Acetone should be considered estimated due to co-elution with a non-target peak.

Samples L1313032-01 and -02 The presence of 2,2,4-Trimethylpentane could not be determined in these samples due to a non-target compound interfering with the identification and quantification of this compound.

Sample L1313032-03 results for Tetrahydrofuran should be considered estimated due to co-elution with a non-target peak.

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:



Report Date: 07/19/13

Title: Technical Director/Representative



List of Organic Method Qualifiers

Table 1

Qualifier (Q)	Description
B	Entered if the analyte is found in the associated blank as well as the sample.
C	Applied to pesticide results when the identification has been confirmed by GC/MS.
D	Included when the all identified compounds in the analysis are at the secondary dilution factor.
E	Identified compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value, may indicate one of the following, depending on the situation: (1) The reported value is estimated and below the MDL. (2) Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the identification criteria, but the results is less than the quantitation limit, but greater than zero. (3) QC associated with this analyte is within warning limits.
N	Included for TIC that indicate presumptive evidence of a compound.
U	Entered if the analyte was analyzed for, but not detected.
P	Used for a pesticide/Aroclor target analyte when the concentration difference between 2 GC columns is greater than 25%; the lower value is flagged with a "P".
EMPC	"Estimated Maximum Possible Concentration" – The amount of analyte cannot be accurately quantified, so a maximum concentration has been estimated for the compound.
"XYZ"	"Wildcard" or Laboratory defined qualifier.

Note: Form I allows only one character in each qualifier column. If multiple qualifiers are applicable, please assess qualifier priority in the following order: U, E, J, B, D, C, P, N. Reporting done in the EDD may include multiple qualifiers when applicable, separated by a single space.

(Information obtained from NYSDEC ASP Exhibit B, 7/2005, page 64)



List of Inorganic Method Qualifiers

Table 2

Qualifier	Column (1)	Description
Concentration qualifiers		
B	C	Entered if the reported value was less than the CRDL, but greater than the IDL.
U	C	Entered if the analyte was analyzed for, but not detected.
J	C	Entered if the reported value is estimated and below the MDL.
*	C	Duplicate precision exceeds RPD limit.
M	C	Replicate precision exceeds RPD limit.
"XYZ"	C	"Wildcard" or Laboratory defined qualifier.
Qualifier specific entries		
E	Q	Entered if the reported value is estimated because of the presence of interferences.
Method qualifiers		
A	M	Flame atomic absorption
AS	M	Semi-automated spectrophotometric
AV	M	Automated cold vapor atomic absorption
C	M	Manual spectrophotometric
F	M	Furnace atomic absorption
MS	M	Mass spectrometry (ICP-MS)
NR	M	Analyte is not required to be analyzed
P	M	Inductively coupled plasma (ICP)
" "	M	No data have been entered

(1) The term "Column" is used to indicate under which column heading in the reporting forms that the qualifier will be found under.

Note: Form I allows only one character in each qualifier column. If multiple qualifiers are applicable to column C, please assess qualifier priority in the following order: U, J, B. Reporting done in the EDD may include multiple qualifiers when applicable, separated by a single space.

(Information obtained from NYSDEC ASP Exhibit B, 7/2005, page 65)



Project Name: BCP PROJECT
Project Number: RAB 1301

Lab Number: L1313126
Report Date: 07/26/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1313126-01	SB017 (0-2')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 11:15
L1313126-02	SB017 (6-8')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 11:20
L1313126-03	SB017 (10-12')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 11:25
L1313126-04	SB018 (0-2')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 13:10
L1313126-05	SB018 (6-8')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 13:15
L1313126-06	SB018 (10-12')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 13:20
L1313126-07	SB019 (0-2')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 15:20
L1313126-08	SB019 (6-8')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 15:25
L1313126-09	SB019 (10-12')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 15:30
L1313126-10	SB020 (0-2')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 11:45
L1313126-11	SB020 (6-8')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 12:00
L1313126-12	SB020 (10-12')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 12:15
L1313126-13	SB021 (0-2')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 12:40
L1313126-14	SB021 (6-8')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 12:45
L1313126-15	SB021 (10-12')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 12:50
L1313126-16	SB022 (0-2')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 13:55
L1313126-17	SB022 (6-8')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 14:00
L1313126-18	SB022 (10-12')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 14:05
L1313126-19	SOIL_DUP_001	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 00:00
L1313126-20	EQUIP_BLANK_SOIL_001	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 09:25
L1313126-21	SB020 (GW)	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 12:20
L1313126-22	SB021 (GW)	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 13:00
L1313126-23	SB022 (GW)	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 14:40
L1313126-24	GW_DUP_001	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 00:00
L1313126-25	EQUIP_BLANK_GW_001	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 08:30
L1313126-26	TRIP BLANK	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 00:00
L1313126-27	SB023 (6-8')	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 08:50
L1313126-28	FD002	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 09:40

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1313126-29	FD005	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 09:50
L1313126-30	FD007	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 09:20
L1313126-31	FD009	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 10:00
L1313126-32	FD015	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 09:00
L1313126-33	FD_DUP_001	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 00:00
L1313126-34	EQUIP_BLANK_FD_001	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 10:45
L1313126-35	TRIP BLANK	74 WALLABOUT ST. BROOKLYN, NY	07/11/13 00:00

Project Name: BCP PROJECT
Project Number: RAB 1301

Lab Number: L1313126
Report Date: 07/26/13

Case Narrative

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Report Submission

Project Name: BCP PROJECT
Project Number: RAB 1301

Lab Number: L1313126
Report Date: 07/26/13

Case Narrative (continued)

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

The element list for metals analysis was specified by the client.

At the client's request, the Equipment Blank samples were not analyzed for Dissolved Metals.

Volatile Organics

The surrogate recovery for L1313126-07 and -27 is below the acceptance criteria for Dibromofluoromethane (36% and 64%, respectively), due to a known matrix effect caused by the high pH of the sample (>10).

L1313126-09 and -15 have elevated detection limits due to the dilutions required by the elevated concentrations of non-target compounds in the sample.

The surrogate recovery for L1313126-20 and -21 is above the acceptance criteria for 4-Bromofluorobenzene (136% and 139%, respectively).

The surrogate recovery for L1313126-23 was outside the acceptance criteria for 4-Bromofluorobenzene (147%); however, re-analysis could not be performed due to lack of additional sample (there was excessive sediment in all 3 vials provided by the client). The results of the original analysis are reported.

The WG622928-4 MS recoveries, performed on L1313126-21, are below the acceptance criteria for Bromomethane (36%), 1,2,3-Trichlorobenzene (65%) and 1,2,4-Trichlorobenzene (66%); however, the associated LCS/LCSD recoveries are within overall method allowances.

The WG622928-4/-5 MS/MSD RPD, performed on L1313126-21, is above the acceptance criteria for Bromomethane (34%).

The WG623224-4/-5 MS/MSD recoveries, performed on L1313126-01, are outside the acceptance criteria for Dibromochloromethane (67%/59%), 1,1,2-Trichloroethane (MSD at 69%), Tetrachloroethene (MSD at 47%), Chlorobenzene (55%/42%), Bromodichloromethane (MSD at 66%), trans-1,3-Dichloropropene (46%/41%), cis-1,3-Dichloropropene (64%/54%), 1,1-Dichloropropene (MSD at 60%), Bromoform (60%/54%), 1,1,2,2-Tetrachloroethane (62%/57%), Toluene (MSD at 57%), Ethylbenzene (66%/44%), trans-1,2-Dichloroethene (MSD at 62%), Trichloroethene (MSD at 60%), 1,2-Dichlorobenzene (35%/25%), 1,3-Dichlorobenzene (34%/22%), 1,4-Dichlorobenzene (29%/20%), p/m-Xylene (63%/42%), o-Xylene (66%/48%), cis-1,2-Dichloroethene (MSD at 66%), Dibromomethane (69%/64%), Styrene (45%/35%), Acetone (226%/176%),

Case Narrative (continued)

Carbon disulfide (MSD at 57%), 2-Butanone (156%/141%), 1,2,3-Trichloropropane (MSD at 62%), 1,2-Dibromoethane (62%/58%), 1,3-Dichloropropane (68%/62%), 1,1,1,2-Tetrachloroethane (MSD at 60%), Bromobenzene (44%/33%), n-Butylbenzene (45%/22%), sec-Butylbenzene (62%/30%), tert-Butylbenzene (68%/35%), o-Chlorotoluene (53%/34%), p-Chlorotoluene (41%/26%), 1,2-Dibromo-3-chloropropane (55%/49%), Hexachlorobutadiene (44%/19%), Isopropylbenzene (66%/40%), p-Isopropyltoluene (58%/28%), Naphthalene (21%/21%), n-Propylbenzene (53%/34%), 1,2,3-Trichlorobenzene (21%/15%), 1,2,4-Trichlorobenzene (19%/13%), 1,3,5-Trimethylbenzene (60%/34%), 1,2,4-Trimethylbenzene (56%/34%), 1,4-Diethylbenzene (48%/24%), 4-Ethyltoluene (56%/31%), 1,2,4,5-Tetramethylbenzene (46%/24%) and trans-1,4-Dichloro-2-butene (36%/32%).

The WG623224-4/-5 MS/MSD RPDs, performed on L1313126-01, are above the acceptance criteria for Methylene chloride (49%), 1,1-Dichloroethane (49%), Chloroform (49%), Carbon tetrachloride (62%), 1,2-Dichloropropane (48%), Dibromochloromethane (47%), 1,1,2-Trichloroethane (43%), Tetrachloroethene (79%), Chlorobenzene (62%), Trichlorofluoromethane (54%), 1,2-Dichloroethane (43%), 1,1,1-Trichloroethane (55%), Bromodichloromethane (49%), trans-1,3-Dichloropropene (47%), cis-1,3-Dichloropropene (51%), 1,1-Dichloropropene (68%), Bromoform (46%), 1,1,2,2-Tetrachloroethane (45%), Benzene (51%), Toluene (59%), Ethylbenzene (73%), Chloromethane (48%), Bromomethane (47%), Vinyl chloride (54%), Chloroethane (50%), 1,1-Dichloroethene (57%), trans-1,2-Dichloroethene (61%), Trichloroethene (68%), 1,2-Dichlorobenzene (65%), 1,3-Dichlorobenzene (75%), 1,4-Dichlorobenzene (69%), Methyl tert butyl ether (42%), p/m-Xylene (72%), o-Xylene (67%), cis-1,2-Dichloroethene (51%), Dibromomethane (44%), Styrene (59%), Dichlorodifluoromethane (51%), Acetone (60%), Carbon disulfide (70%), 2-Butanone (45%), Vinyl acetate (45%), 4-Methyl-2-pentanone (40%), 1,2,3-Trichloropropane (45%), 2-Hexanone (44%), Bromochloromethane (46%), 2,2-Dichloropropane (55%), 1,2-Dibromoethane (42%), 1,3-Dichloropropane (44%), 1,1,1,2-Tetrachloroethane (56%), Bromobenzene (63%), n-Butylbenzene (100%), sec-Butylbenzene (100%), tert-Butylbenzene (96%), o-Chlorotoluene (78%), p-Chlorotoluene (78%), 1,2-Dibromo-3-chloropropane (46%), Hexachlorobutadiene (106%), Isopropylbenzene (82%), p-Isopropyltoluene (99%), Naphthalene (36%), Acrylonitrile (36%), n-Propylbenzene (78%), 1,2,3-Trichlorobenzene (67%), 1,2,4-Trichlorobenzene (67%), 1,3,5-Trimethylbenzene (87%), 1,2,4-Trimethylbenzene (82%), 1,4-Dioxane (45%), 1,4-Diethylbenzene (97%), 4-Ethyltoluene (89%), 1,2,4,5-Tetramethylbenzene (94%), Ethyl ether (42%) and

Case Narrative (continued)

trans-1,4-Dichloro-2-butene (48%).

The WG623224-6/-7 MS/MSD recoveries, performed on L1313126-32, are below the acceptance criteria for Methylene chloride (MSD at 65%), 1,1-Dichloroethane (58%/57%), Chloroform (50%/51%), Carbon tetrachloride (20%/26%), 1,2-Dichloropropane (44%/46%), Dibromochloromethane (31%/33%), 1,1,2-Trichloroethane (45%/44%), Tetrachloroethene (11%/17%), Chlorobenzene (15%/19%), Trichlorofluoromethane (40%/46%), 1,2-Dichloroethane (57%/54%), 1,1,1-Trichloroethane (33%/38%), Bromodichloromethane (38%/40%), trans-1,3-Dichloropropene (26%/25%), cis-1,3-Dichloropropene (30%/31%), 1,1-Dichloropropene (22%/28%), Bromoform (28%/27%), 1,1,1,2-Tetrachloroethane (32%/31%), Benzene (41%/45%), Toluene (22%/27%), Ethylbenzene (12%/16%), Bromomethane (MSD at 51%), Vinyl chloride (64%/60%), 1,1-Dichloroethene (47%/50%), trans-1,2-Dichloroethene (38%/37%), Trichloroethene (21%/27%), 1,2-Dichlorobenzene (6%/9%), 1,3-Dichlorobenzene (6%/9%), 1,4-Dichlorobenzene (6%/9%), p/m-Xylene (13%/16%), o-Xylene (11%/16%), cis-1,2-Dichloroethene (46%/46%), Dibromomethane (48%/45%), Styrene (10%/14%), Acetone (6%/9%), Carbon disulfide (24%/26%), 2-Butanone (69%/58%), Vinyl acetate (62%/58%), 4-Methyl-2-pentanone (56%/51%), 1,2,3-Trichloropropane (43%/39%), 2-Hexanone (39%/35%), Bromochloromethane (56%/52%), 2,2-Dichloropropane (46%/48%), 1,2-Dibromoethane (39%/40%), 1,3-Dichloropropane (45%/44%), 1,1,1,2-Tetrachloroethane (20%/24%), Bromobenzene (12%/15%), n-Butylbenzene (3%/6%), sec-Butylbenzene (4%/8%), tert-Butylbenzene (6%/9%), o-Chlorotoluene (7%/11%), p-Chlorotoluene (7%/10%), 1,2-Dibromo-3-chloropropane (19%/20%), Hexachlorobutadiene (2%/4%), Isopropylbenzene (6%/10%), p-Isopropyltoluene (3%/7%), Naphthalene (8%/9%), Acrylonitrile (MSD at 57%), n-Propylbenzene (7%/11%), 1,2,3-Trichlorobenzene (2%/4%), 1,2,4-Trichlorobenzene (0%/0%), 1,3,5-Trimethylbenzene (6%/10%), 1,2,4-Trimethylbenzene (8%/11%), 1,4-Diethylbenzene (4%/7%), 4-Ethyltoluene (8%/10%), 1,2,4,5-Tetramethylbenzene (5%/7%) and trans-1,4-Dichloro-2-butene (13%/10%).

The WG623224-6/-7 MS/MSD RPDs, performed on L1313126-32, are above the acceptance criteria for 1,1-Dichloroethane (31%), Chloroform (34%), Carbon tetrachloride (100%), 1,2-Dichloropropane (45%), Dibromochloromethane (54%), 1,1,2-Trichloroethane (35%), Tetrachloroethene (117%), Chlorobenzene (83%), Trichlorofluoromethane (59%), 1,1,1-Trichloroethane (72%), Bromodichloromethane (46%), trans-1,3-Dichloropropene (44%), cis-1,3-Dichloropropene (55%), 1,1-Dichloropropene (87%), Bromoform (61%),

Case Narrative (continued)

1,1,2,2-Tetrachloroethane (53%), Benzene (46%), Toluene (78%), Ethylbenzene (111%), Bromomethane (36%), 1,1-Dichloroethene (48%), trans-1,2-Dichloroethene (59%), Trichloroethene (69%), 1,2-Dichlorobenzene (105%), 1,3-Dichlorobenzene (106%), 1,4-Dichlorobenzene (90%), p/m-Xylene (108%), o-Xylene (113%), cis-1,2-Dichloroethene (36%), Styrene (94%), Acetone (39%), Carbon disulfide (91%), 2-Butanone (79%), 4-Methyl-2-pentanone (45%), 1,2,3-Trichloropropane (41%), 2-Hexanone (97%), 2,2-Dichloropropane (56%), 1,1,1,2-Tetrachloroethane (90%), Bromobenzene (83%), n-Butylbenzene (147%), sec-Butylbenzene (149%), tert-Butylbenzene (148%), o-Chlorotoluene (122%), p-Chlorotoluene (108%), 1,2-Dibromo-3-chloropropane (80%), Hexachlorobutadiene (161%), Isopropylbenzene (139%), p-Isopropyltoluene (150%), Naphthalene (66%), n-Propylbenzene (122%), 1,2,3-Trichlorobenzene (133%), 1,3,5-Trimethylbenzene (137%), 1,2,4-Trimethylbenzene (128%), 1,4-Diethylbenzene (142%), 4-Ethyltoluene (128%), 1,2,4,5-Tetramethylbenzene (138%) and trans-1,4-Dichloro-2-butene (105%).

Semivolatile Organics

L1313126-01, -16, -17 and -31 have elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples.

The surrogate recovery for L1313126-01 was below the acceptance criteria for 2-Fluorophenol (6%); however, the MS/MSD confirmed the surrogate non-conformance (2%/7%).

The surrogate recovery for L1313126-04 was outside the acceptance criteria for 2-Fluorophenol (1%); however, re-extraction achieved similar results for 2-Fluorophenol (2%) . The results of both extractions are reported.

L1313126-11 and -32 have elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the sample matrices.

The surrogate recoveries for L1313126-11, -14, -29, -30 and -33 are below the acceptance criteria for 2-Fluorophenol, Phenol-d6, Nitrobenzene-d5, 2-Fluorobiphenyl and 4-Terphenyl-d14 (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

The surrogate recovery for L1313126-13 was outside the acceptance criteria for 2-Fluorophenol (5%);

Case Narrative (continued)

however, re-extraction achieved similar results for 2-Fluorophenol (1%) and Phenol-d6 (9%). The results of both extractions are reported.

The WG621521-2/-3 LCS/LCSD recoveries, associated with L1313126-20 through -25 and -34, are above the acceptance criteria for 1,2,4-Trichlorobenzene (106%/104%), 1,4-Dichlorobenzene (105%/103%), 2,4-Dinitrotoluene (145%/140%), 2,6-Dinitrotoluene (LCS at 145%), n-Nitrosodi-n-propylamine (LCS at 135%), Butyl benzyl phthalate (LCS at 142%), Di-n-octylphthalate (LCS at 141%), Acetophenone (146%/140%), 2,4,6-Trichlorophenol (139%/131%), P-Chloro-M-Cresol (151%/140%), 2-Chlorophenol (134%/128%), 2,4-Dichlorophenol (147%/138%), 2,4-Dimethylphenol (LCS at 136%), 2-Nitrophenol (142%/136%), 4-Nitrophenol (82%/86%) and 2,4,5-Trichlorophenol (154%/145%); however, the associated samples are non-detect for these target compounds. The results of the original analysis are reported.

The WG621521-4/-5 MS/MSD recoveries, performed on L1313126-21, are outside the acceptance criteria for 1,2,4-Trichlorobenzene (120%/110%), 1,4-Dichlorobenzene (MS at 110%), 3,3'-Dichlorobenzidine (10%/19%), 2,4-Dinitrotoluene (130%/120%), Bis(2-ethylhexyl)phthalate (MS at 150%), Di-n-octylphthalate (150%/150%), Acetophenone (140%/130%), 2,4,6-Trichlorophenol (MS at 140%), P-Chloro-M-Cresol (130%/130%), 2-Chlorophenol (MS at 130%), 2,4-Dichlorophenol (MS at 150%), 4-Nitrophenol (MS at 83%) and 2,4,5-Trichlorophenol (140%/140%).

The WG621521-4/-5 MS/MSD RPD, performed on L1313126-21, is above the acceptance criteria for 3,3'-Dichlorobenzidine (60%).

The WG621794-4/-5 MS/MSD recoveries, performed on L1313126-01, are outside the acceptance criteria for Fluoranthene (MSD at 160%), Bis(2-chloroisopropyl)ether (MS at 38%), Hexachlorocyclopentadiene (MSD at 21%), Pyrene (MSD at 170%), 4-Chloroaniline (MS at 32%), 4-Nitroaniline (MS at 34%), 2-Chlorophenol (MSD at 15%), 2,4-Dichlorophenol (MSD at 8%) and Phenol (MS at 21%).

The WG621794-4/-5 MS/MSD recoveries, performed on L1313126-01, are below the acceptance criteria for Hexachlorocyclopentadiene (MS at 0%), 2,4,6-Trichlorophenol (0%/0%), 2-Chlorophenol (MS at 0%), 2,4-Dichlorophenol (MS at 0%), 2-Nitrophenol (0%/0%), 4-Nitrophenol (0%/0%), 2,4-Dinitrophenol (0%/0%), 4,6-Dinitro-o-cresol (0%/0%), Pentachlorophenol (0%/0%), 2,4,5-Trichlorophenol (0%/0%) and Benzoic Acid (0%/0%), due to the concentrations of these compounds falling below the reported detection limits.

The WG621794-4/-5 MS/MSD RPD, performed on L1313126-01, is above the acceptance criteria for P-

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Chloro-M-Cresol (57%).

The WG621800 MS/MSD, performed on L1313126-32, was not analyzed because the dilution required by the matrix of the sample to be utilized for the MS/MSD would have caused the spike compounds to be diluted below the range of calibration.

Semivolatile Organics-SIM

The WG621522-4 MS recovery, performed on L1313126-21, is above the acceptance criteria for Pentachlorophenol (120%).

PCBs

L1313126-20: The internal standard (IS) response for 1-Bromo-2-nitrobenzene was below the acceptance criteria; however, the criteria was achieved upon re-extraction outside of holding time. The results of both analyses are reported. Due to the low recovery of the internal standard, the surrogate recoveries for L1313126-20 are outside the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (1950%/1870%) and Decachlorobiphenyl (2680%/2760%).

L1313126-32 and -33 have elevated detection limits due to the dilutions required by the sample matrices. The surrogate recoveries for L1313126-32 and -33 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analysis are reported.

The WG622947-4/-5 MS/MSD, performed on L1313126-32, was not analyzed because the dilution required by the matrix of the sample to be utilized for the MS/MSD would have caused the spike compounds to be diluted below the range of calibration.

Pesticides

L1313126-01, -03, -09 through -17, -19, and -27 through -33 have elevated detection limits due to the dilutions required by the sample matrices.

The dual column RPDs for the following samples are above the acceptance criteria for the listed compounds; however, obvious column interferences are present. Due to these interferences, the lower of the two results are

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Case Narrative (continued)

reported and qualified with a "P".

L1313126-01: 4,4'-DDE

L1313126-04: Alpha-BHC and 4,4'- DDE

L1313126-13: Endrin

L1313126-30: 4,4'-DDE

The surrogate recoveries for L1313126-09, -10, -12 and -15 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

The surrogate recovery for L1313126-16 is above the acceptance criteria for Decachlorobiphenyl (157%/242%). Since the sample was non-detect to the RL for all target analytes, re-analysis was not required.

The surrogate recovery for L1313126-17 is above the acceptance criteria for Decachlorobiphenyl (162%/229%). Since the sample was non-detect to the RL for all target analytes, re-analysis was not required.

The surrogate recoveries for the following samples are outside the acceptance criteria for Decachlorobiphenyl; however, the samples were not re-extracted due to coelution with obvious interferences. Copies of the chromatograms are included as an attachment to this report.

L1313126-29: 224%/858%

L1313126-30: 377%/1090%

Total Metals

L1313126-01 through -19, -23, and -27 through -33 have elevated detection limits for all elements, with the exception of Mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG621945-1 Method Blank, associated with L1313126-01 through -19, has concentrations above the reporting limits for Aluminum and Calcium. Since the associated sample concentrations are greater than 5x the blank concentration for these analytes, no qualification of the results was performed.

The WG621945-3/-4 MS recoveries for Aluminum (303%/61%), Calcium (606%/244%), Lead (262%/263%), Iron (0%/2440%), Magnesium (MS at 73%), Manganese (0%/0%) and Zinc (73%/73%), performed on L1313126-01, do not apply because the sample concentrations are greater than four times the spike amount added.

Case Narrative (continued)

The WG621945-3/-4 MS/MSD recoveries, performed on L1313126-01, are above the acceptance criteria for Chromium (MSD at 158%) and Copper (131%/127%). A post digestion spike was performed with acceptable recoveries for Chromium (92%) and Copper (103%).

The WG621975-3/-4 MS/MSD recoveries for Aluminum (680%/648%), Calcium (1190%/605%), Chromium (0%/0%), Copper (0%/0%), Iron (0%/0%), Lead (MS at 67%), Manganese (0%/0%) and Zinc (255%/346%), performed on L1313126-32, do not apply because the sample concentrations are greater than four times the spike amount added.

The WG621975-3/-4 MS/MSD recoveries, performed on L1313126-32, are outside the acceptance criteria for Antimony (MS at 170%), Arsenic (0%/0%), Cobalt (MSD at 71%) and Potassium (MS at 136%). A post digestion spike was performed with acceptable recoveries for Antimony (83%), Arsenic (86%), Cobalt (81%) and Potassium (95%).

The WG621975-3/-4 MS/MSD recoveries, performed on L1313126-32, are outside the acceptance criteria for Cadmium (MSD at 68%), Magnesium (153%/199%), Nickel (0%/0%) and Thallium (70%/71%). A post digestion spike was performed with unacceptable recoveries for Cadmium (68%), Magnesium (60%), Nickel (52%) and Thallium (70%). This has been attributed to sample matrix.

The WG621975-3/-4 MS/MSD RPDs, performed on L1313126-32, are above the acceptance criteria for Antimony (50%) and Iron (45%).

The WG622152-3/-4 MS/MSD recoveries, performed on L1313126-01, are below the acceptance criteria for Mercury (0%/66%). A post digestion spike was performed with an acceptable recovery of 95%.

The WG622275-8 MS recovery for Mercury (0%), performed on L1313126-17, does not apply because the sample concentration is greater than four times the spike amount added.

The WG622513-3/-4 MS/MSD recoveries, performed on L1313126-32, are above the acceptance criteria for Mercury (505%/263%). A post digestion spike was performed with an acceptable recovery of 104%.

The WG624316-3/-4 MS/MSD recoveries, performed on L1313126-21, are above the acceptance criteria for Aluminum (128%/122%), Calcium (190%/170%), Iron (140%/144%), Magnesium (142%/141%), Manganese (122%/122%) and Sodium (132%/128%). A post digestion spike was performed with acceptable recoveries for Calcium (106%), Iron (106%), Magnesium (105%), Manganese (117%) and Sodium (108%). A post digestion spike was performed with an unacceptable recovery for Aluminum (128%). This has been attributed to sample

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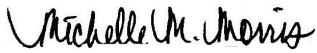
matrix.

Dissolved Metals

The WG621721-1 Method Blank, associated with L1313126-21 through -24, has a concentration above the reporting limit for Sodium. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

The WG621721-4/-7 MS/MSD recoveries, performed on L1313126-21, are outside the acceptance criteria for Calcium (20%/10%) and Sodium (MS at 79%). A post digestion spike was performed with acceptable recoveries for Calcium (111%) and Sodium (111%).

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:  Report Date: 07/26/13
Title: Technical Director/Representative



List of Organic Method Qualifiers

Table 1

Qualifier (Q)	Description
B	Entered if the analyte is found in the associated blank as well as the sample.
C	Applied to pesticide results when the identification has been confirmed by GC/MS.
D	Included when the all identified compounds in the analysis are at the secondary dilution factor.
E	Identified compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value, may indicate one of the following, depending on the situation: (1) The reported value is estimated and below the MDL. (2) Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the identification criteria, but the results is less than the quantitation limit, but greater than zero. (3) QC associated with this analyte is within warning limits.
N	Included for TIC that indicate presumptive evidence of a compound.
U	Entered if the analyte was analyzed for, but not detected.
P	Used for a pesticide/Aroclor target analyte when the concentration difference between 2 GC columns is greater than 25%; the lower value is flagged with a "P".
EMPC	"Estimated Maximum Possible Concentration" – The amount of analyte cannot be accurately quantified, so a maximum concentration has been estimated for the compound.
"XYZ"	"Wildcard" or Laboratory defined qualifier.

Note: Form I allows only one character in each qualifier column. If multiple qualifiers are applicable, please assess qualifier priority in the following order: U, E, J, B, D, C, P, N. Reporting done in the EDD may include multiple qualifiers when applicable, separated by a single space.

(Information obtained from NYSDEC ASP Exhibit B, 7/2005, page 64)



List of Inorganic Method Qualifiers

Table 2

Qualifier	Column (1)	Description
Concentration qualifiers		
B	C	Entered if the reported value was less than the CRDL, but greater than the IDL.
U	C	Entered if the analyte was analyzed for, but not detected.
J	C	Entered if the reported value is estimated and below the MDL.
*	C	Duplicate precision exceeds RPD limit.
M	C	Replicate precision exceeds RPD limit.
"XYZ"	C	"Wildcard" or Laboratory defined qualifier.
Qualifier specific entries		
E	Q	Entered if the reported value is estimated because of the presence of interferences.
Method qualifiers		
A	M	Flame atomic absorption
AS	M	Semi-automated spectrophotometric
AV	M	Automated cold vapor atomic absorption
C	M	Manual spectrophotometric
F	M	Furnace atomic absorption
MS	M	Mass spectrometry (ICP-MS)
NR	M	Analyte is not required to be analyzed
P	M	Inductively coupled plasma (ICP)
" "	M	No data have been entered

(1) The term "Column" is used to indicate under which column heading in the reporting forms that the qualifier will be found under.

Note: Form I allows only one character in each qualifier column. If multiple qualifiers are applicable to column C, please assess qualifier priority in the following order: U, J, B. Reporting done in the EDD may include multiple qualifiers when applicable, separated by a single space.

(Information obtained from NYSDEC ASP Exhibit B, 7/2005, page 65)



Project Name: 74 WALLABOUT ST.
Project Number: RAB 1301

Lab Number: L1314810
Report Date: 08/12/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1314810-01	OB003	BROOKLYN, NY	08/02/13 12:10
L1314810-02	MW004	BROOKLYN, NY	08/02/13 13:30
L1314810-03	FB	BROOKLYN, NY	08/02/13 14:00
L1314810-04	TB	BROOKLYN, NY	08/02/13 00:00

Project Name: 74 WALLABOUT ST.
Project Number: RAB 1301

Lab Number: L1314810
Report Date: 08/11/13

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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Report Submission

Project Name: 74 WALLABOUT ST.
Project Number: RAB 1301

Lab Number: L1314810
Report Date: 08/11/13

Case Narrative (continued)

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

Sample Receipt

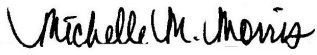
The sample collection dates and times were obtained from the container labels.

Dissolved Metals

The WG627084-4 MS recoveries for Calcium (62%) and Sodium (0%), performed on L1314810-01, do not apply because the sample concentrations are greater than four times the spike amount added.

The WG627084-4 MS recovery, performed on L1314810-01, is below the acceptance criteria for Potassium (0%). A post digestion spike was performed with an acceptable recovery of 92%.

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:  Report Date: 08/11/13

Title: Technical Director/Representative



Project Name: 74 WALLABOUT ST.
Project Number: RAB1301

Lab Number: L1315565
Report Date: 08/23/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1315565-01	F0016	BROOKLYN, NY	08/12/13 09:30
L1315565-02	F0005	BROOKLYN, NY	08/12/13 15:30
L1315565-03	FIELD BLANK	BROOKLYN, NY	08/13/13 00:00
L1315565-04	TRIP BLANK	BROOKLYN, NY	08/13/13 00:00

Project Name: 74 WALLABOUT ST.
Project Number: RAB1301

Lab Number: L1315565
Report Date: 08/21/13

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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Report Submission

Project Name: 74 WALLABOUT ST.
Project Number: RAB1301

Lab Number: L1315565
Report Date: 08/21/13

Case Narrative (continued)

This final report replaces the partial report issued August 20, 2013, and includes the results of all requested analyses.

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

Semivolatile Organics

L1315565-01 has elevated detection limits due to the dilution required by the sample matrix.

L1315565-02 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

The surrogate recoveries for L1315565-02 are below the acceptance criteria for 2-fluorophenol, phenol-d6, nitrobenzene-d5, 2-fluorobiphenyl, and 4-terphenyl-d14 (all at 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Organochlorine Pesticides

L1315565-01 has elevated detection limits due to the dilution required by the sample matrix.

Metals

L1315565-01 and 02 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

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:



Report Date: 08/21/13

Title: Technical Director/Representative

ATTACHMENT C

DATA VALIDATION REPORT

SDG Nos. L1313032, L1313126, L1314810 and L1315565

**Volatiles, Semivolatiles, Pesticides/PCBs, Total and Metals in Soil and Water Samples,
Total and Dissolved Metals in Water Samples, and Volatiles in Air Samples**

DATA VALIDATION
FOR
74 WALLABOUT SITE
BROOKLYN, NEW YORK

July and August 2013 Sampling Rounds

ANALYSIS DATA
Volatiles, Semivolatiles, Pesticides/PCBs, in Soil and Water Samples, Total Metals in Soil
Samples, Metals (Total and Dissolved) in Water Samples and Volatiles in Air Samples

Sample Delivery Group (SDG) Nos.
L1313032, L1313126, L1314810 and L1315565

Chemical Analyses Performed By:

Alpha Analytical
Eight Walkup Drive
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For:

Andrew Lockwood
P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, NY 11716

Data Validation Report By:

Kim B. Watson
Stone Environmental, Inc.
535 Stone Cutters Way
Montpelier, VT 05602

September 11, 2013

Reference #13-152 Phase 1
Validation Report_ L1313032_126_4810_5565/kbw

EXECUTIVE SUMMARY

Stone Environmental, Inc. (Stone) has completed third-party data validation on the organic and inorganic analyses for volatile organics (VOAs), semivolatile organics (SVOAs), and Pesticides/Polychlorinated Biphenyls (PCBs) in soil and water samples, total metals in soil samples, total and dissolved metals in water samples and volatile organics in air samples as prepared by Alpha Analytical Laboratories in Westborough, Massachusetts from the 74 Wallabout, Brooklyn, NY Site. The laboratory reported the data under Sample Delivery Group (SDG) Nos. L1313032, L1313126, L1314810 and L1315565, which were submitted as four data packages received by Stone on August 9, 14, and 27, 2013 with amendments received on September 10, 2013. As required by the Project plan, approximately 5% of the samples, or at least one sample from each SDG, whichever is greater, was considered for full data validation. All other samples within these SDGs were evaluated as modified Tier II (QC forms presented only) and validated within the Data Usability Summary Report (DUSR). The samples below were selected for full Tier III validation.

SDG No.	Sample No.	Laboratory ID	Parameter
<i>SDG No. L1313032</i>			
L1313032	SV005	L1313032-01	VOA in Air
L1313032	SV004	L1313032-02	VOA in Air
L1313032	SV-DUP-001	L1313032-05	VOA in Air
<i>SDG No. L1313126</i>			
L1313126	SB017(0-2')	L1313126-01	VOAs, SVOAs, Metals/Mercury, Pesticides/PCBs
L1313126	SB020(10-12')	L1313126-12	VOAs, SVOAs, Metals/Mercury, Pesticides/PCBs
L1313126	SB021(GW)	L1313126-22	VOAs, SVOAs, Metals(total/dissolved), Mercury, Pesticides/PCBs
<i>SDG No. L1314810</i>			
L1314810	MW004	L1314810-02	VOAs, SVOAs, Metals(total/dissolved), Mercury, Pesticides/PCBs

SDG No.	Sample No.	Laboratory ID	Parameter
<i>SDG No. L1315565</i>			
L1315565	FD005	L1315565-02	VOAs, SVOAs, Metals/Mercury, Pesticides/PCBs

The samples in this data set represent the sample collections from 7/11/2013, 8/2/2013 and 8/12/2013. A cross-reference of sample IDs was provided in the data packages.

Based on the validation effort, results in all samples were determined to be valid as reported with the following exceptions:

- Results for total vanadium, zinc and selenium, and dissolved vanadium, zinc and selenium in SB021(GW) were qualified as estimated (J), biased high.
- The following results were qualified as estimated (J, UJ):
 - Results of bromomethane, acetone, 2-butanone, trans-1,3-dichloropropene and trans-1,4-dichloro-2-butene in samples SB017(0-2') and SB020(10-12').
 - Results for bromomethane and 1,2,4,5-tetramethylbenzene in MW004 and the result for bromomethane in FD005.
 - The result for naphthalene in SB020(10-12').
 - The result for hexachlorocyclopentadiene in SB021(GW).
 - Results for bis(2-chloroisopropyl)ether, hexachlorobutadiene, 2,4,6-trichlorophenol, 2,4,5-trichlorophenol, 2,6-dinitrotoluene and 4-bromophenyl phenyl ether in SB017(0-2') and SB020(10-12').
 - Results for benzyl alcohol, 3-methylphenol/4-methylphenol, n-nitrosodi-n-propylamine, isophorone, 2-nitrophenol, 2,4-dimethylphenol, bis(2-chloroethoxy)methane, 2-nitroaniline, 2,6-dinitrotoluene, 2,4-dinitrophenol, 4-nitroaniline and butyl benzyl phthalate in MW004.
- Results for toluene, 2-butanone and methylene chloride in all soil and water samples reported at concentrations less than the reporting limit (RL) were qualified as non-detect at less than the reporting limit (U).
- Results for hexachlorobutadiene, naphthalene, 2-methylnaphthalene and hexachloroethane in all water samples reported at concentrations below the reporting limit were qualified as non-detect at less than the reporting limit (U).

- Results for total aluminum, antimony, chromium, silver, sodium, and dissolved (soluble) aluminum, antimony, calcium, chromium, copper, manganese, and nickel reported at concentrations below the reporting limit in the July water samples were qualified as non-detect at less than the reporting limit (U).
- Results for Total aluminum, antimony, chromium, silver, sodium, and dissolved (soluble) aluminum, antimony, calcium, chromium, copper, manganese, and nickel reported at concentrations below the reporting limit in the August water samples were qualified as non-detect at less than the reporting limit (U).
- Results for (total and soluble) cadmium, arsenic, copper, iron, all soil and water samples from July reported at concentrations below the reporting limit were qualified as non-detect at less than the reporting limit (U).
- Results for (total and soluble) antimony, beryllium, copper, iron, nickel, potassium, selenium, sodium, thallium and vanadium in all soil and water samples from August reported at concentrations below the reporting limit were qualified as non-detect at less than the reporting limit (U).
- Field blanks and trip blanks are not assessed based on concentration of analytes found in the method blank levels.
- Results for acetone, reported below the adjusted RL in water and soil samples were qualified as non-detect at the RL (U).
- Results for acetone, bis(2-Ethylhexyl)phthalate and naphthalene reported below the reporting limit in soil and water samples were qualified as non-detect at the reporting limit (U).
- Results for aluminum, barium, calcium, chromium, copper, iron, lead, manganese, nickel, sodium and zinc (not previously qualified) reported below the reporting limit in the associated samples water and soil samples were qualified as non-detect at the reporting limit (U).
- All VOA compounds in SB017(0-2') were qualified as estimated (J, UJ).
- Results of all acid compounds and hexachlorocyclopentadiene in SB017(0-2') were rejected (R).
- Results for bis(2-chloroisopropyl)ether, 4-chloroaniline and 4-nitroaniline in SB017(0-2') were qualified as estimated (UJ).

- Results for chromium, copper and mercury were qualified as estimated (J, UJ) for all soil samples in SDG No. L1313126.
- The following results were qualified as estimated (J, UJ):
 - dissolved lead, dissolved manganese, total aluminum, total arsenic, total copper, total iron, total lead, total manganese, and total mercury in samples SB021(GW) and GW_DUP_001.
 - Total calcium, total chromium, total sodium, and acetone in SB020(10-12') and SOIL_DUP_001.
 - 4,4-DDD, total aluminum, total calcium, total chromium, and total mercury in FD007 and FD_DUP_001.
- The result for trans-1,4-Dichloro-2-butene in SB020(10-12') was qualified as estimated (UJ).
- Results for 2,2-dichloropropane, naphthalene, pentachlorophenol in SB021(GW) were qualified as estimated (UJ).
- Results for hexachlorocyclopentadiene, 4-chloroaniline in SB017(0-2') and SB020(10-12') were qualified as estimated (UJ). Please note hexachlorocyclopentadiene was previously rejected in SB017(0-2') based on MS/MSD recoveries and the R qualifier takes precedence.
- The result for 2,4-dinitrophenol in MW004 was qualified as estimated (J, UJ).
- The result for 4-chloroaniline in FD005 was qualified as estimated (J, UJ).
- The result for 4,4'-DDE SB017(0-2') was qualified as estimated (J).
- Results for propylene in SV004, SV005, and SV-Dup-001 should be considered estimated (J). Results for 1,3-butadiene in samples SV004, SV005 and SV-Dup-001 were qualified as estimated (J) due to co-elution with a non-target peak.
- The result for acetone in SV005 was qualified as estimated (J) due to a co-elution with a non-target peak.
- Results for 2,2,4-trimethylpentane in SV004 and SV005 are rejected (R) due to non-target interferences.
- The results for total and dissolved antimony in SB021(GW) were qualified as estimated (J).

- The laboratory appropriately applied “J” qualifiers to the sample Form I’s when the concentration of an analyte was less than the sample-specific quantitation limit. The validator did not remove these qualifiers.
- For the air samples in SDG No. L131032, the validator recommends caution in the use of low level results for common laboratory solvents such as acetone, toluene, 2-butanone and methylene chloride since no trip blank or field (equipment) blank was submitted for VOAs in the sample set.

Documentation problems observed in the data package and on the chain of custody records are described in Section XIII.

The Overall Evaluation of Data (Section XII) presents the rationale for the decisions that have been implemented and are summarized above. The validation findings and conclusions for each analytical parameter are detailed in the remaining sections of this report and are based on the following information.

QC Criteria	Were acceptance criteria met for Contaminants of Concern?		
	Yes	No	NA
Chain of custody (COC)/sample integrity		√	
Data completeness		√	
Canister Certifications	√*		
Holding times and sample preservation	√		
GC/MS performance checks	√		
Calibrations		√	
CRQL Standards (metals only)		√	
Laboratory method blanks/equipment blanks		√	
ICP Interference Check Sample (metals only)	√		
Matrix spike/matrix spike duplicate (MS/MSD) results		√	
Post Digestion Spike (metals only)		√	
Laboratory control samples and blank spikes		√	
Field duplicate results		√	
ICP Serial Dilution	√		
Surrogate recoveries		√	
Internal standard results	√		
Compound identification, RPDs for pesticide dual column		√	

Stone Environmental, Inc.
September 11, 2013

SDG Nos. L1313032, L1313126, L1314810 and L1315565

QC Criteria	Were acceptance criteria met for Contaminants of Concern?		
	Yes	No	NA
Sample results	√		
% solids	√		
Calculations/transcriptions	√		
*Note: The field personnel were unable to record the final pressure for the sample designated SV-DUP-001 due to a dead battery in the associated pressure gauge. No action since a field QC samples and results replicated well. Form 2Bs were requested from the laboratory for ICP-MS LLICV, no declined to complete so summarized by the validator. NA - <i>Not applicable indicates that either the QC is not applicable to this data set or not required by the method.</i>			

This validation report shall be considered part of the data package for all future distributions of the volatiles, semivolatiles, Pest/PCBs, total metals in soil and waters and total and dissolved metals in waters, and volatiles in air analysis data.

INTRODUCTION

Analyses of water and soil samples were performed according to US EPA SW846 Methodologies: VOAs by Method 8260C (soil by preparation method 5035B and waters by 5030), SVOCs by Method 8270D (extractions by method 3546 for soils and by method 3510C for waters), PCBs by method 8082A (extractions by method 3546 for soils and by method 3510C for waters, extract cleanup by methods 3665A and 3660B), Pesticides by Method 8081B (extractions by method 3546 for soils and by method 3510C for waters, extract cleanup by methods 3620B), TAL Metals by 6010B for soils (digestion for soils by method 3050B and/or 6020A and digestion for waters by 3005A), Mercury by Method 7470A and 7471B, and VOAs in Air by Method TO15. The target compound lists included all standard target analytes typically specified under the US EPA Contract Laboratory Program (CLP) and those which are specified by the NYS ASP Category B protocols. The waters samples in these SDGs were analyzed for 8270DSIM PAHs and 6020A total and dissolved metals to meet project-specific reporting limits.

Tentative identification of non-target analyte peaks (i.e., tentatively identified compounds, or TICs) was not requested for these analyses.

To the extent possible, Stone's validation was performed in conformance with Tier III guidelines as defined by EPA Region I, "Region I EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses", March 1996. The data were evaluated in accordance with EPA Region II's Standard Operating Procedures (SOPs) from the EPA Hazardous Waste Support Branch, including the following: *SOP#HW-24 SOP for the Validation of Organic Data Acquired Using SW-846 Method 8260 (Rev2, October 2006)*, *SOP#HW-22 Validating Semivolatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-846 Method 8270D (Rev3, October 2006)*, *SOP#HW-44 Validating Pesticide Compounds Organochlorine By Gas Chromatography SW-846 Method 8081B (Rev1, October 2006)*, *SOP#HW-45 Validating PCB Compounds PCBs By Gas Chromatography SW-846 Method 8082A*, *SOP#HW02 "Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO5.3 (Rev13, September 2006)* and *SOP#HW-31 Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15 (Rev4, October 2006)*. US EPA's National Functional Guidelines for Organic Data Review (EPA 540/R-99/008, 10/99) and US EPA's National Functional Guidelines for Inorganic Data Review (EPA 540-R-04-004, October 2004) were also considered during the evaluation, and professional judgment was applied as necessary and appropriate.

An independent third party data validation was performed on 5% of the sample data or on at least one sample from each (ASP Category B) sample delivery group (SDG). The Tier III validation was effectively used to complete the data usability evaluation for the data collected during the investigation. The Data Usability Summary Report (DUSR) was prepared based on findings in this validation report, laboratory narratives and raw QC data within the deliverables. Please note that samples affected by specific QC criteria which were observed in these data packages are commented on in the DUSR. The DUSRt addresses the usability and qualifications for all samples in these data sets that are not listed above.

The data validation process evaluates data on a technical basis for chemical analyses conducted under the CLP or other well-defined methods. Contract compliance is evaluated only in specific situations. Issues pertaining to contractual compliance are noted where applicable. It is assumed that the data package is presented in accordance with the CLP requirements. It is also assumed that the data package represents the best efforts of the laboratory and has already been subjected to adequate and sufficient quality review prior to submission for validation.

Results of sample analyses are reported by the laboratory as either qualified or unqualified; various qualifier codes are used by the laboratory to denote specific information regarding the analytical results. During the validation process, laboratory data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data validator as necessary and appropriate. Raw data are examined in detail to check calculations, compound identification, and/or transcription errors in reference to samples in the Executive Summary only. Validated results are either qualified or unqualified; if results are unqualified, this means that the reported values may be used without reservation. Final validated results are annotated with the following codes, as defined in EPA Region II Standard Operating Procedures:

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit. The associated numerical value is the sample quantitation limit. The sample quantitation limit accounts for sample-specific dilution factors and percent solids corrections or sample sizes that deviate from those required by the method.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified. The R replaces the numerical value or sample quantitation limit. In some instances (e.g., a dilution) a result may be indicated as "rejected" to avoid confusion when a more quantitatively accurate result is available.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

JN - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

These codes indicate qualifications placed on the data as a result of the validation effort.

They are recorded on the Validation electronic data deliverables (EDD) [*SDG# or Job# datavalidationqualifiers.xls*] submitted electronically as Attachment A.

All data users should note two facts. First, the "R" qualifier means that the laboratory-reported value is completely unusable. The analysis is invalid due to significant quality control problems and provides no information as to whether the compound is present or not. Rejected values should not appear on data tables because they have no useful purpose under any circumstances. Second, no analyte concentration is guaranteed to be accurate even if all associated quality control is acceptable. While strict quality control conformance provides well-defined confidence in the reported results, any analytical result will always contain some uncertainty as demonstrated in the laboratory-derived control limits.

The user is also cautioned that the validation effort is based on the materials provided by the laboratory. Software manipulation, resulting in misleading raw data printouts, cannot be routinely detected during validation; unless otherwise stated in the report, these kinds of issues are outside the scope of this review.

Detailed Findings of Measurement Error Associated with the Analytical Analysis

I. Preservation and Technical Holding Times (Sample Integrity)

The air, soil and water samples for these analyses were collected July 11, 2013, August 2, and August 12, 2013. According to chain of custody (COC) records and laboratory records, all samples were appropriately preserved in the field prior to collection. All holding times for analysis were met for samples validated for Tier III with the exception of the reanalysis of the Equip_blank_soil RE for PCBs, which was analyzed 4 days beyond the holding time. Since this sample is the field QC sample and replicates the original analysis of which the internal standard was misspiked, no data were qualified on this basis.

The temperatures of the coolers upon receipt at the laboratory were recorded on the sample log-in records and were acceptable ($<10^{\circ}\text{C}$).

For all air samples in SDG No. L1313032, no client IDs were written on sample labels; the laboratory matched the can IDs from the identifications written on chain of custody records (COCs).

For SDG No. L1314810, sample collection dates/times were not provided on the COC record sent to the laboratory; therefore, they were taken from sample labels on the bottles. Upon request, the samplers provided an updated COC record for the project files.

In SDG No. L1313126, the container labeled as sample FD017 was not provided on the COC, and time/date/initials indicate that the sample should be identified as FD015; therefore, the sample was labeled as specified on the COC record; "FD015" at login by the laboratory. Sample EQUIP_BLANK_FD_001 on the COC was indicated as a soil; however, the sample was a water sample; L1313126-20 and L1313126-25 were labeled as Field Blanks on the containers but on the COC as Equipment blanks. The samples were logged in as specified on the COC record.

Samples from SDG No. L1315565 were logged into the laboratory as FO005 and FO016; however, they were identified as FD005 and FD016 on the COC record. A request was made to update the data package accordingly.

II. GC/MS Instrument Performance Check (Tuning), GC Check Sample (Breakdown), and Calibration Verification

The tuning of the instruments for VOA analyses was demonstrated with the analysis of 4-bromofluorobenzene (BFB); the tuning of the instruments for SVOA analyses was demonstrated with analysis of decafluorotriphenylphosphine (DFTPP). Tunes were analyzed for each shift (12-hour period) during which the samples or associated standards were analyzed. All tunes as recorded on Form V-like summaries in this data set were acceptable.

The ICPMS tune results were presented on the Form 14 summary and were acceptable for the analytical sequences for 6020 ICPMS metals.

A performance check sample for endrin and DDT breakdown, as required by EPA methodology, were analyzed at the proper frequency, reported in the data package, and were acceptable in the pesticide analysis and within the 8270D analysis.

Initial and continuing calibration verification (ICV/CCV) standards were run at the required frequencies in the ICP and ICPMS analysis series for all target elements. Results for all ICV/CCV standards bracketing samples were correctly reported on the summary forms and recoveries of all target analytes were within the applicable acceptance ranges. The reported correlation coefficient of the initial calibration for the mercury analysis was greater than the minimum acceptance limit of 0.995.

Contract required quantitation limit (CRQL) standards or reporting limit standards as specified in the EPA Inorganic (ILM) Statement of Work were analyzed at the required frequencies for selected metals and at concentrations for all applicable analytes on the ICP analyzers. However, the form 2B was not provided for the ICPMS data and was requested from the laboratory on 9/2/13. CRQL standards were not reported for the mercury analyses; however, the low standard of the method supports the reporting limit. Percent recoveries were accurately reported and were acceptable for the ICP analyses, with the exception of calcium at (133%) in the opening CRQL standard on 07/17/2013. Since calcium results in the affected samples were greater than the action limit and the recovery was just above the limit, no data were qualified on this basis.

For the ICPMS data, the laboratory indicated that the Form 2B was not a requirement; therefore, the validator had to calculate the recoveries from the raw data for the low level check standard. Recoveries were outside the limits for vanadium (145%), manganese (135%), zinc (370%), arsenic (145%) selenium (140%), and silver (140%) in the ICPMS data from 7/15/2013. Based on the high recoveries in the low level check standard, results for total vanadium, zinc and selenium, and dissolved vanadium, zinc and selenium in SB021(GW) were qualified as estimated (J), biased high. CRQL standards were not reported for the mercury analyses; however, the low standard of the method supports the reporting limit

Initial and continuing calibration verifications standards were performed for all organic analyses and were acceptable with the following exceptions (Note: pesticide analytes were only included in the table if the analyte was above the action limit on both columns):

Instrument /Analysis Date	Reference	Analysis Time	Compound	%RSD, %D or Min AVE. RRF	Action	Associated Samples
Curly 7/2-7/3/2013	IC	20:54-00:19	1,4-dioxane	0.00362	NA	SB017 (0-2'), SB020 (10-12')
Curly 7/3/2013	ICV	02:01	1,4-dioxane	0.00338	NA	
			bromomethane	35.6	UJ	
			acetone	-29.8	UJ	
			2-butanone	-23.3	UJ	
			trans-1,4-dichloro-2-butene	-22.3	UJ	
Curly 7/20/2013	CCV	09:22	1,4-dioxane	0.00381	NA	SB017 (0-2')
			trans-1,3-dichloropropene	-24.4	UJ	
			trans-1,4-dichloro-2-butene	-27.0	UJ	
Curly 7/21/2013	CCV	10:45	trans-1,3-dichloropropene	-27.3	UJ	SB020 (10-12')
			1,4-dioxane	0.00330	NA	
			trans-1,4-dichloro-2-butene	-39.0	UJ	
			naphthalene	-21.6	UJ	
Elaine 6/17/2013	IC	11:22-16:56	1,4-dioxane	0.00206	NA	SB021 (GW)
Elaine 6/17/2013	ICV	19:37	2,2-dichloropropane	49.3	UJ	
Elaine 7/22/2013	CCV	10:07	2,2-dichloropropane	52.8	UJ	
			4-methyl-2-pentanone	-22.0	UJ	
			1,4-dioxane	0.00205	NA	
			trans-1,4-dichloro-2-butene	29.1	UJ	
			1,2,4-trichlorobenzene	-21.9	UJ	
			naphthalene	-36.6	UJ	
			1,2,3-trichlorobenzene	-28.4	UJ	
Buffy 7/19/2013	CCV	21:56	Hexachlorocyclopentadiene	-20.5	UJ	SB021 (GW)
Juliet 7/21/2013	CCV	17:23	Bis(2-chloroisopropyl)ether	-27.3	UJ	SB017 (0-2'), SB020 (10-12')
			Hexachlorobutadiene	30.0	UJ	
			2,4,6-Trichlorophenol	30.2	UJ	
			2,4,5-Trichlorophenol	37.4	UJ	
			2-Fluorobiphenyl	21.6	NA	
			2,6-Dinitrotoluene	32.6	UJ	
Elaine 8/9/13	CCV	09:22	4-Bromophenyl phenyl ether	25.1	UJ	MW004
Charlie 8/20/2013	CCV	0814	Bromomethane	-31.9	UJ	
SV103 8/8/2013	CCV	17:16	1,2,4,5-tetramethylbenzene	23.0	UJ	MW004
			Benzyl alcohol	25.2	UJ	
			3-Methylphenol/4-Methylphen	33.0	UJ	
			n-Nitrosodi-n-propylamine	23.8	UJ	
			Nitrobenzene-d5 (SS)	30.0	UJ	
			Isophorone	21.6	NA	
			2-Nitrophenol	33.1	UJ	
			2,4-Dimethylphenol	29.7	UJ	
			Bis(2-chloroethoxy)methane	34.4	UJ	
			2-Nitroaniline	24.1	UJ	
			2,6-Dinitrotoluene	32.1	UJ	
			2,4-Dinitrophenol	23.3	UJ	
			4-Nitroaniline	-41.5	UJ	
			Butyl benzyl phthalate	27.6	UJ	
				24.1	UJ	

NA=no action Initial Calibration (IC) limits = ≤20%RSD or <0.995, minimum RRF (0.05), Continuing Calibration (CC) limits = 20%D. Pesticide analytes were only included in above table if the action limit on both columns was exceeded.

Pursuant to the Region II validation document, results for 1,4-dioxane warranted rejection (R) based on the low RRFs achieved. However, the issue of low response is one that is specific to this compound, and relates to an overestimation of their performance as written in the SOW; therefore, based on professional judgment, no data were qualified on this basis.

The laboratory indicated that they use internal standard calibration techniques for PCB and Pesticide analyses; therefore, the method does not require that all samples results be bracketed with calibration verification standards.

It should be noted that negative % difference (%D) values will result in a low bias for positive detects, and a positive %D values will result in a high bias for positive detects.

Based on unacceptable %RSD or %D values in the associated calibration standards, the following results were qualified as estimated (J, UJ):

- Results of bromomethane, acetone, 2-butanone, trans-1,3-dichloropropene and trans-1,4-dichloro-2-butene in samples SB017(0-2') and SB020(10-12').
- Results for bromomethane and 1,2,4,5-tetramethylbenzene in MW004.
- The result for bromomethane in FD005.
- The result for naphthalene in SB020(10-12').
- The result for hexachlorocyclopentadiene in SB021(GW).
- Results for bis(2-chloroisopropyl)ether, hexachlorobutadiene, 2,4,6-trichlorophenol, 2,4,5-trichlorophenol, 2,6-dinitrotoluene and 4-bromophenyl phenyl ether in SB017(0-2') and SB020(10-12').
- Results for benzyl alcohol, 3-methylphenol/4-methylphenol, n-nitrosodi-n-propylamine, isophorone, 2-nitrophenol, 2,4-dimethylphenol, bis(2-chloroethoxy)methane, 2-nitroaniline, 2,6-dinitrotoluene, 2,4-dinitrophenol, 4-nitroaniline and butyl benzyl phthalate in MW004.

III. Blanks: Laboratory, Preparation and Method Blanks, and Trip Blanks

Preparation blanks and/or laboratory method blanks (MB) were prepared with each preparation batch and were acceptable with exceptions as noted below.

No target analytes were detected in any of the organic method blanks with the exceptions of: toluene (range 0.23 – 0.26 ug/kg) in three of the five soil method blanks and 2-butanone (1.1 ug/L) in one of the two water method blanks analyzed in July, and methylene chloride (2.3 ug/Kg) in one of the two soil blanks in August. SVOA compounds

hexachlorobutadiene (0.16 ug/L), naphthalene (0.09 ug/L), 2-methylnaphthalene (0.08 ug/L) and hexachloroethane (0.18 ug/L) were detected in the 8270DSIM water method blank in July and hexachlorobutadiene (0.09-0.12 ug/L) and hexachloroethane (0.11-0.14 ug/L) were detected in the 8270D-SIM water method blanks in August.

Based on laboratory contamination, results for toluene, 2-butanone and methylene chloride in all soil and water samples reported at concentrations less than the reporting limit (RL) were qualified as non-detect at less than the RL (U). Based on laboratory contamination, results for hexachlorobutadiene, naphthalene, 2-methylnaphthalene and hexachloroethane in all water samples reported at concentrations below the RL were qualified as non-detect at less than the RL (U).

No target analytes were detected in any of the inorganic method preparation blanks with the following exceptions. Aluminum (7.5 mg/kg) and calcium (17 mg/kg) were detected in the soil blanks in July; results for these compounds in the soils were greater than the action limit. Therefore, no data were qualified.

Total aluminum (0.00209 mg/L), antimony (0.00011 mg/L), chromium (0.00025 mg/L), silver (0.00010 mg/L), sodium (0.0221 mg/L), and dissolved (soluble) aluminum (0.00400 mg/L), antimony (0.00079 mg/L), calcium (0.0530 mg/L), chromium (0.00020-0.00026 mg/L), copper (0.00011), manganese (0.00018-0.00066 mg/L), sodium (0.433 mg/L), and nickel (0.00060 mg/L) in the (6020) water blanks in July. Based on laboratory preparation blank contamination, results for total aluminum, antimony, chromium, silver, sodium, and dissolved (soluble) aluminum, antimony, calcium, chromium, copper, manganese, and nickel reported at concentrations below the RL in the July water samples were qualified as non-detect at less than the RL (U).

Total antimony (0.00152 mg/L), calcium (0.0678 mg/L), iron (0.0142 mg/L), manganese (0.00012 mg/L) and zinc (0.01192 mg/L) were detected in the total water (6020) blank in August and dissolved antimony (0.00119 mg/L), chromium (0.00024 mg/L), iron (0.0141 mg/L), potassium (0.0654 mg/L), sodium (0.0416 mg/L), thallium (0.00003 mg/L) and zinc (0.00173 mg/L) were detected in the August dissolved water blank. Based on laboratory preparation blank contamination, results for total aluminum, antimony, chromium, silver, sodium, and dissolved (soluble) aluminum, antimony, calcium, chromium, copper, manganese, and nickel reported at concentrations below the RL in the August water samples were qualified as non-detect at less than the RL (U).

Field blanks and trip blanks are not assessed based on concentration of analytes found in the method blank levels.

The initial and continuing blanks for the metals analyses detected trace amounts of the target elements in all SDGs (< reporting limit) for cadmium (0.0963 mg/L), arsenic (0.0024-0.0037 mg/L), copper (0.0020-0.0033 mg/L), iron (0.029-0.0536 mg/L) in the July data sets.

Antimony (0.000461-0.000857 mg/L), beryllium (0.000117 mg/L), copper (0.00010-0.000128 mg/L), iron (0.01444-0.01657 mg/L), nickel (0.000322-0.00046 mg/L), potassium (0.3033 mg/L), selenium (0.000783-0.001025 mg/L), sodium (0.01571-0.04488 mg/L), thallium (0.000055-0.000313 mg/L), vanadium (0.000106-0.000127 mg/L) were detected in the calibration blanks in the August data sets.

Values below the negative RL were not reported on the Form 3 summaries by the laboratory. However, they were provided in the raw data summaries. Based on review of the data packages associated with these samples, no negative values were greater than two times the reporting limit; therefore, no data were qualified based on the negative values.

Based on laboratory contamination results for (total and soluble) cadmium, arsenic, copper, iron, all soil and water samples from July reported at concentrations below the RL were qualified as non-detect at less than the RL (U). Based on laboratory contamination results for (total and soluble) antimony, beryllium, copper, iron, nickel, potassium, selenium, sodium, thallium and vanadium, all soil and water samples from August reported at concentrations below the RL were qualified as non-detect at less than the RL (U).

Trip blanks (TBs) were submitted with each set of samples in this data set (per SDG) for VOA analysis. No target analytes were detected in the TBs with the exception of acetone (1.0 ug/L in the TB on 7/11/13, 4.1 ug/L in the TB on 8/2/13, and 2.6 ug/L in the TB on 8/12/13). Based on TB contamination, results for acetone, reported below the adjusted RL in water and soil were qualified as non-detect at the RL (U).

Equipment blanks (EB) and field blanks (FBs) were submitted with the field samples in the data set. No target analytes were detected in the EBs or FBs with the exceptions of acetone (3.1-5.4 ug/L) in EBs on 7/11/13, acetone (5.4 ug/L) in the FB on 8/2/2013 and acetone (2.1 ug/L) in the FB on 8/12/13, bis(2-Ethylhexyl)phthalate (1.7 ug/L) in the Soil EB on 7/11/13, naphthalene (0.07 ug/L) in the GW EB on 7/11/13. In the metals analyses, the following were detected in the EB and/or FB for total metals (units-mg/L): aluminum (0.00216-0.00769), barium (0.00010-0.00032), calcium (0.0366-0.0405), chromium (0.00039-0.00067), copper (0.00024-0.00032), iron (0.0143), lead (0.00023-0.00024), manganese (0.00011-0.00054), nickel (0.00010-0.00021), sodium (0.0206), zinc (0.00171-0.00531). The following metals were detected in the EB and/or FB for dissolved metals (units-mg/L): aluminum (0.00453), barium (0.00032), calcium (0.0366), chromium (0.00067), copper (0.00032), iron (0.0143), lead (0.00024), manganese (0.00037), nickel (0.00021), sodium (0.0206) and zinc (0.00531).

Based on field blank contamination, results for acetone, bis(2-Ethylhexyl)phthalate and naphthalene reported below the RL in soil and water samples were qualified as non-detect at the RL (U).

Based on field blank contamination, results for aluminum, barium, calcium, chromium, copper, iron, lead, manganese, nickel, sodium and zinc (not previously qualified) reported below the RL in the associated water and soil samples were qualified as non-detect at the RL (U).

For the air samples in SDG No. L131032, the validator recommends caution in the use of low level results for common laboratory solvents such as acetone, toluene, 2-butanone and methylene chloride since no trip blank or field (equipment) blank was submitted for VOAs in the sample set.

IV. Surrogate Compounds

Percent recoveries of the VOA surrogates (1,2-dichloroethane-d4, 4-bromofluorobenzene, dibromofluoromethane, toluene-d8) were correctly reported on the Form II summaries and within acceptance limits for the samples in these data sets.

Percent recoveries of the SVOA surrogates (nitrobenzene-d5, 2-fluorobiphenyl, p-terphenyl-d14, 1,2-dichlorobenzene-d4, 2,4,6-tribromophenol, 2-chlorophenol-d4, 2-fluorobiphenyl, phenol-d6) were correctly reported on the Form II summaries and were within acceptance limits for the samples in these data sets with the exception of 2-fluorophenol (6%) and 2,4,6-tribromophenol (0%) in SB017(0-2'). Based on recovery of the acid surrogate <10%, the non-detect acids in SB017(0-2') were rejected (R).

Percent recoveries of the Pesticides/PCB surrogates (2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl) were correctly reported on the Form II summaries and were within acceptance limits for the samples in these data sets with the exceptions of all surrogates in SB020(10-12') which were effectively diluted out at 0% recovery and the elevated recovery of DCB (169%) on the 2nd column in SB017(0-2'). No data were qualified on this basis since surrogates were diluted out and/or the recovery was elevated in the dilution analysis in the pesticide analysis.

V. Internal Standards (IS)

All IS areas and retention times (RT) for VOAs, SVOAs and metals, as reported on the Form VIII summaries (metals on Form 15), were within the established QC limits for all reported sample analyses in these data packages. The laboratory has indicated that they use internal standard calibration techniques for PCB and Pesticide analyses; therefore, the method does not require that all samples results be bracketed with calibration verification standards. According to the laboratory, the retention times and the area responses of the internal standards are checked for each analysis and verified to be within method criteria (no method criteria stated). Based on a check of the raw data for the samples associated with this data set, they were within $\pm 50\%$ of the IS in the curve. No further assessment of these ISs was performed by the validator for these data sets.

VI. Matrix Spike/Matrix Spike Duplicate/Laboratory Duplicate (MS/MSD/Dup)

Samples for matrix spikes (MS), matrix spike duplicates (MSD), and duplicate analyses

were collected and analyzed from SB017(0-2') for soil samples in this data set. Water MS/MSD was performed on samples that were not validated by Tier III and are discussed in the DUSR report. The compounds that did not meet acceptance criteria for the MS/MSD Recovery (%R) or relative percent differences (RPD) between pair results are listed as follows for sample SB017(0-2'): VOA compounds dibromochloromethane (67%/59%), 1,1,2-trichloroethane (MSD at 69%), tetrachloroethene (MSD at 47%), chlorobenzene (55%/42%), bromodichloromethane (MSD at 66%), trans-1,3-dichloropropene (46%/41%), cis-1,3-dichloropropene (64%/54%), 1,1-dichloropropene (MSD at 60%), bromoform (60%/54%), 1,1,2,2-tetrachloroethane (62%/57%), toluene (MSD at 57%), ethylbenzene (66%/44%), trans-1,2-dichloroethene (MSD at 62%), trichloroethene (MSD at 60%), 1,2-dichlorobenzene (35%/25%), 1,3-dichlorobenzene (34%/22%), 1,4-dichlorobenzene (29%/20%), p/m-xylene (63%/42%), o-xylene (66%/48%), cis-1,2-dichloroethene (MSD at 66%), dibromomethane (69%/64%), styrene (45%/35%), acetone (226%/176%), carbon disulfide (MSD at 57%), 2-butanone (156%/141%), 1,2,3-trichloropropane (MSD at 62%), 1,2-dibromoethane (62%/58%), 1,3-dichloropropane (68%/62%), 1,1,1,2-tetrachloroethane (MSD at 60%), bromobenzene (44%/33%), n-butylbenzene (45%/22%), sec-butylbenzene (62%/30%), tert-butylbenzene (68%/35%), o-chlorotoluene (53%/34%), p-chlorotoluene (41%/26%), 1,2-dibromo-3-chloropropane (55%/49%), hexachlorobutadiene (44%/19%), isopropylbenzene (66%/40%), p-isopropyltoluene (58%/28%), naphthalene (21%/21%), n-propylbenzene (53%/34%), 1,2,3-trichlorobenzene (21%/15%), 1,2,4-trichlorobenzene (19%/13%), 1,3,5-trimethylbenzene (60%/34%), 1,2,4-trimethylbenzene (56%/34%), 1,4-diethylbenzene (48%/24%), 4-ethyltoluene (56%/31%), 1,2,4,5-tetramethylbenzene (46%/24%) and trans-1,4-dichloro-2-butene (36%/32%). All RPD values for all compounds were outside the acceptance limits.

SVOA compound recoveries were outside the acceptance limits for fluoranthene (MSD at 160%), bis(2-chloroisopropyl)ether (MS at 38%), hexachlorocyclopentadiene (MSD at 21%), pyrene (MSD 170%), 4-chloroaniline (MS 32%), 4-nitroaniline (MS 34%), 2-chlorophenol (MSD at 15%), 2,4-dichlorophenol (MSD at 8%) and phenol (MS at 21%). hexachlorocyclopentadiene (MS at 0%), 2,4,6-trichlorophenol (0%/0%), 2-chlorophenol (MS at 0%), 2,4-dichlorophenol (MS at 0%), 2-nitrophenol (0%/0%), 4-nitrophenol (0%/0%), 2,4-dinitrophenol (0%/0%), 4,6-dinitro-o-cresol (0%/0%), pentachlorophenol (0%/0%), 2,4,5-trichlorophenol (0%/0%), benzoic acid (0%/0%), and p-chloro-m-cresol (57%).

For organic analyses, action is only taken on the parent sample SB017(0-2'). Therefore, based on the low recoveries and poor reproducibility in the MS/MSD pair, all VOA compounds in SB017(0-2') were qualified as estimated (J, UJ).

Based on low or no recovery, results of all acid compounds and hexachlorocyclopentadiene in SB017(0-2') were rejected (R). Based on the unacceptable MS/MSD recoveries, results for bis(2-chloroisopropyl)ether, 4-chloroaniline, and 4-nitroaniline in SB017(0-2') were qualified as estimated (UJ).

Recoveries were outside the limits for the inorganic analyses for SB017(0-2'); aluminum (303%/61%), calcium (606%/244%), lead (262%/263%), iron (0%/2440%), magnesium (MS at 73%), manganese (0%/0%) and zinc (73%/73%). However, since the concentration in the

sample was greater than 4X the spike concentration, no data were qualified for these compounds. Recoveries for chromium (MSD at 158%) and copper (131%/127%) were above the limits and recoveries for mercury (0%/66%) were below the limits.

Post digestion spikes were performed appropriately by the laboratory and results in both cases were acceptable; therefore, based on the poor MS/MSD recoveries, results for chromium, copper and mercury were qualified as estimated (J, UJ) for all soil samples in SDG No. L1313126.

VII. Field Duplicate Precision

Samples SV-DUP-001, SOIL_DUP_001, GW_DUP_001 and FD_DUP_001 were identified as field duplicates of SV004, SB020 (10-12'), SB021 (GW) and FD007, respectively. If target compounds were non-detect in the field duplicate pair, then no assessment of precision could be made. Unless noted below, paired results were acceptable and no qualification of data was required.

Sample Name	Compound	Sample Conc.	Duplicate Conc.	RPD	Diff.	Q	RL (ug/L) ug/kg)
SB021(GW)	Dissolved Lead	19.24	10.22	61	9	J, UJ	1
	Dissolved manganese	64.05	25.03	87	39	J, UJ	1
	Aluminum, Total	2070	299	149	1771	J, UJ	200
	Arsenic, Total	52.25	15.09	110	37	J, UJ	0.5
	Copper, total	31.53	7.05	127	24	J, UJ	1
	Iron, total	4790	1230	118	3560	J, UJ	50
	Lead, Total	644.2	110.4	141	534	J, UJ	20
	Manganese, Total	117.6	31.27	116	86	J, UJ	1
	Mercury, Total	3.38	0.55	144	3	J, UJ	0.2
SB020(10-12')	Calcium, Total	120000000	35000000	110	8.5x106	J, UJ	9300
	Chromium, Total	12000	22000	59	10000	J, UJ	930
	Sodium, Total	1300000	440000	99	8.6x105	J, UJ	190000
	Acetone	36	66	58.8	30	J, UJ	9.8
FD007	4,4-DDD	29.8	ND	102	20.2	J, UJ	9.34
	Aluminum, Total	1200000	2500000	70	1.3x105	J, UJ	9200
	Calcium, Total	4900000	11000000	77	6.1x105	J, UJ	9200

Sample Name	Compound	Sample Conc.	Duplicate Conc.	RPD	Diff.	Q	RL (ug/L) ug/kg)
	Chromium, Total	54000	120000	76	1.1x105	J, UJ	920
	Mercury, Total	1700	3900	79	2200	J, UJ	90

Limits: Sample and Duplicate >5XQL, >35%RPD (from SOP HW02), +/-4XQL for sample values less than five times the QL.

Based on poor reproducibility in the field duplicate pairs, the following results were qualified as estimated (J, UJ):

- Dissolved lead, dissolved manganese, and the following total metals in samples SB021(GW) and GW_DUP_001: aluminum, arsenic, copper, iron, lead, manganese, and mercury..
- Total calcium, total chromium, total sodium, and acetone in SB020(10-12') and SOIL_DUP_001.
- 4,4-DDD, total aluminum, total calcium, total chromium, and total mercury in FD007 and FD_DUP_001.

VIII. Performance Evaluation Samples (PES)/Accuracy Check

Zero blank PE samples, commonly known as laboratory control samples or blank spikes (ASP specification), and their duplicates were analyzed at the required frequency and results were provided on Form III-like summaries for all analyses. Recoveries were within the laboratory-derived acceptance limits with exceptions as outlined in the table below:

Sample No.	Compound	LCS %R	LCSD %R	RPD	QC Limits	Action	Associated Samples
WG623224-1 WG623224-2	trans-1,4-Dichloro-2-butene	73	65	12	70-130/30	NAC	SB017(0-2')
WG623226-1 WG623226-2	Vinyl acetate	69	74	7	70-130/30	NAC	SB020(10-12')
	trans-1,4-Dichloro-2-butene	61	66	8	70-130/30	J, UJ	
WG623359-1 WG623359-2	2,2-Dichloropropane	153	163	8	63-133/20	NAC	SB021(GW)
	Naphthalene	63	62	2	70-130/20	J, UJ	
WG621522-2 WG621522-3	Pentachlorophenol	115	108	6	9-103/40	NAC	SB021(GW)
WG621794-2 WG621794-3	2,4-Dinitrotoluene	90	84	7	28-89/50	NAC	SB017(0-2')
	Hexachlorocyclopentadiene	41	37	10	40-140/50	J, UJ	SB020(10-12')

Sample No.	Compound	LCS %R	LCSD %R	RPD	QC Limits	Action	Associated Samples
	4-Chloroaniline	34	34	0	40- 140/50	J, UJ	
WG626418-2 WG626418-3	2,4-Dinitrotoluene	130	109	18	24-96/30	NAC	MW004
	Bis(2-Ethylhexyl)phthala	144	122	17	40- 140/30	NAC	
	Di-n-octylphthalate	144	126	13	40- 140/30	NAC	
	P-Chloro-M-Cresol	128	105	20	23-97/30	NAC	
	2,4-Dinitrophenol	27	15	57	20- 130/30	J, UJ	
	4,6-Dinitro-o-cresol	57	36	31	20- 164/30	NAC	
	Benzoic Acid	53	30	55	NA/30	NAC	
WG626419-2 WG626419-3	Pentachlorophenol	129	99	26	9-103/40	NAC	MW004
WG626659-2 WG626659-3	Methoxychlor	61	75	22	30- 150/20	NAC	
WG629026-2 WG629026-3	4-Chloroaniline	39	49	23	40- 140/50	UJ	FD005
	2,4-Dinitrotoluene	85	94	10	28-89/50	NAC	

NA=Not Applicable, NAC=No Action, Est. = J, UJ

Based on low recovery in the blank spike, the result for trans-1,4-Dichloro-2-butene in SB020(10-12') was qualified as estimated (UJ).

Based on low recovery in the blank spike, results for 2,2-dichloropropane, naphthalene, pentachlorophenol in SB021(GW) were qualified as estimated (UJ).

Based on low recovery in the blank spike, results for hexachlorocyclopentadiene, 4-chloroaniline in SB017(0-2') and SB020(10-12') were qualified as estimated (UJ). Please note hexachlorocyclopentadiene was previously rejected in SB017(0-2') based on MS/MSD recoveries and the R qualifier takes precedence.

Based on low recovery in the blank spike, the result for 2,4-dinitrophenol in MW004 was qualified as estimated (J, UJ).

Based on low recovery in the blank spike, the result for 4-chloroaniline in FD005 was qualified as estimated (J, UJ).

ICP serial dilutions were performed on the same samples as the MS/MSD pairs. Percent difference (%D) values were less than the maximum acceptance limit of 15% for all target analytes in which the original concentration (in the undiluted sample) was greater than 50 times the MDL.

IX. Target Compound Identification

Reported target compounds were correctly identified with supporting spectra present for all field samples in this data set.

As observed in the supporting mass spectra, results for propylene in SV004, SV005, and SV-Dup-001 were qualified as estimated (J) due to co-elution with a non-target peak. Results for 1,3-butadiene in samples SV004, SV005 and SV-Dup-001 were qualified as estimated (J) due to co-elution with a non-target peak.

The result for acetone in SV005 was qualified as estimated (J) due to a co-elution with a non-target peak. Results for 2,2,4-trimethylpentane in SV004 and SV005 are rejected (R) due to non-target interferences.

X. Compound Quantitation and Reported Quantitation Limits

Target compound concentrations and quantitation limits were appropriately reported on the Form I summaries with adjustments made for percent solids and sample volumes.

For both the inorganic and organic analyses, the laboratory appropriately applied "J" qualifiers to the sample Form Is when the concentration of an analyte was less than the sample-specific RL but greater than the reported method detection limit. The validator did not remove these qualifiers.

Samples SB021(GW) and MW004 required various dilution analyses in order to get all inorganic analytes within the calibration range of the instrument. The different dilutions were reported on the summary tables with an "R" suffix after the laboratory ID and for these samples only a single result was reported.

The dual column RPD for 4,4'-DDE in SB017(0-2') was above the acceptance criteria for the listed compounds; however, obvious column interferences are present. Due to these interferences, the lower of the two results are reported and qualified with a "P". Based on the poor precision between the dual column concentration, the result for 4,4'-DDE in SB017(0-2') was qualified as estimated (J).

All air samples in SDG L1313032 have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

Dissolved metals analysis was performed on the water samples. Comparisons were made of the total and dissolved results that were above the CRQL. The validated dissolved concentrations were at or marginally below the validated total concentrations with the exception of antimony in MW004, which was higher in the dissolved sample by 24% and for calcium and sodium in SB021(GW), which was higher in the dissolved sample by only 1-2%, respectively.

Based on the elevated concentration in the soluble analysis (>20%), the results for total and dissolved antimony in SB021(GW) were qualified as estimated (J).

Sample-specific results for all analytes may be found on the laboratory-generated electronic table summary. All data validation qualifiers as defined in this report are in the tables provided in Attachment A.

XI. System Performance

The analytical systems appear to have been working well at the time of these analyses based on evaluation of the available raw data.

Method detection limit studies (MDLs) for metals; trace3, trace 4 (2012) and trace 5 were provided in the data package as summaries. Trace6 MDLs were missing from the data package for SDG No. L1313126. Mercury MDLs were submitted for FIMS4 and FIMS3. Although, some of these studies were performed within the last year and some in 2008 to 2011. They are up for renewal. MDL studies were not requested for the organic analyses since the laboratory reports results to the low standard within the calibration curve as required by the SW846 methodology.

The laboratory reports results to the CRQL or (RL) on the Form Is; however, if an element is detected above the MDL the laboratory appropriately reports that result on the Form I with a "J" qualifier.

The data packages provided (trace6 6/4/13, and trace4 1/10/13) ICP-AES Interelement Correction Factors [ICF] (Form 10A and B) and the (trace6 and trace4;) ICP-AES Linear Ranges (Form 11) documentation.

XII. Overall Evaluation of Data

Findings of the validation effort resulted in the following qualifications of sample results:

- Based on the high recoveries in the low level check standard, results for total vanadium, zinc and selenium, and dissolved vanadium, zinc and selenium in SB021(GW) were qualified as estimated (J), biased high.
- Based on unacceptable %RSD or %D values in the associated calibration standards, the following results were qualified as estimated (J, UJ):
 - Results of bromomethane, acetone, 2-butanone, trans-1,3-dichloropropene and trans-1,4-dichloro-2-butene in samples SB017(0-2') and SB020(10-12').
 - Results for bromomethane and 1,2,4,5-tetramethylbenzene in MW004 and the result for bromomethane in FD005.

- The result for naphthalene in SB020(10-12').
 - The result for hexachlorocyclopentadiene in SB021(GW).
 - Results for bis(2-chloroisopropyl)ether, hexachlorobutadiene, 2,4,6-trichlorophenol, 2,4,5-trichlorophenol, 2,6-dinitrotoluene and 4-bromophenyl phenyl ether in SB017(0-2') and SB020(10-12').
 - Results for benzyl alcohol, 3-methylphenol/4-methylphenol, n-nitrosodi-n-propylamine, isophorone, 2-nitrophenol, 2,4-dimethylphenol, bis(2-chloroethoxy)methane, 2-nitroaniline, 2,6-dinitrotoluene, 2,4-dinitrophenol, 4-nitroaniline and butyl benzyl phthalate in MW004.
- Based on laboratory contamination, results for toluene, 2-butanone and methylene chloride in all soil and water samples reported at concentrations less than the reporting limit (RL) were qualified as non-detect at less than the reporting limit (U).
 - Based on laboratory contamination, results for hexachlorobutadiene, naphthalene, 2-methylnaphthalene and hexachloroethane in all water samples reported at concentrations below the reporting limit were qualified as non-detect at less than the reporting limit (U).
 - Based on laboratory preparation blank contamination, results for total aluminum, antimony, chromium, silver, sodium, and dissolved (soluble) aluminum, antimony, calcium, chromium, copper, manganese, and nickel reported at concentrations below the reporting limit in the July water samples were qualified as non-detect at less than the reporting limit (U).
 - Based on laboratory preparation blank contamination, results for Total aluminum, antimony, chromium, silver, sodium, and dissolved (soluble) aluminum, antimony, calcium, chromium, copper, manganese, and nickel reported at concentrations below the reporting limit in the August water samples were qualified as non-detect at less than the reporting limit (U).
 - Based on laboratory contamination results for (total and soluble) cadmium, arsenic, copper, iron, all soil and water samples from July reported at concentrations below the reporting limit were qualified as non-detect at less than the reporting limit (U).
 - Based on laboratory contamination results for (total and soluble) antimony, beryllium, copper, iron, nickel, potassium, selenium, sodium, thallium and vanadium in all soil and water samples from August reported at concentrations below the reporting limit were qualified as non-detect at less than the reporting limit (U).
 - Field blanks and trip blanks are not assessed based on concentration of analytes

found in the method blank levels.

- Based on TB contamination, results for acetone, reported below the adjusted RL in water and soil samples were qualified as non-detect at the RL (U).
- Based on field blank contamination, results for acetone, bis(2-Ethylhexyl)phthalate and naphthalene reported below the reporting limit in soil and water samples were qualified as non-detect at the reporting limit (U).
- Based on field blank contamination, results for aluminum, barium, calcium, chromium, copper, iron, lead, manganese, nickel, sodium and zinc (not previously qualified) reported below the reporting limit in the associated samples water and soil samples were qualified as non-detect at the reporting limit (U).
- Based on recovery of the acid surrogate <10%, the non-detect acids in SB017(0-2') were rejected (R).
- Based on the low recoveries and poor reproducibility in the MS/MSD pair, all VOA compounds in SB017(0-2') were qualified as estimated (J, UJ).
- Based on the low or no recovery, results of all acid compounds and hexachlorocyclopentadiene in SB017(0-2') were rejected (R).
- Based on the unacceptable MS/MSD recoveries, results for bis(2-chloroisopropyl)ether, 4-chloroaniline and 4-nitroaniline in SB017(0-2') were qualified as estimated (UJ).
- Based on the poor MS/MSD recoveries, results for chromium, copper and mercury were qualified as estimated (J, UJ) for all soil samples in SDG No. L1313126.
- Based on poor reproducibility in the field duplicate pairs, the following results were qualified as estimated (J, UJ):
 - dissolved lead, dissolved manganese, total aluminum, total arsenic, total copper, total iron, total lead, total manganese, and total mercury in samples SB021(GW) and GW_DUP_001.
 - Total calcium, total chromium, total sodium, and acetone in SB020(10-12') and SOIL_DUP_001.
 - 4,4-DDD, total aluminum, total calcium, total chromium, and total mercury in FD007 and FD_DUP_001.
- Based on low recovery in the blank spike, the result for trans-1,4-dichloro-2-butene in SB020(10-12') was qualified as estimated (UJ).

- Based on low recovery in the blank spike, results for 2,2-dichloropropane, naphthalene, pentachlorophenol in SB021(GW) were qualified as estimated (UJ).
- Based on low recovery in the blank spike, results for hexachlorocyclopentadiene, 4-chloroaniline in SB017(0-2') and SB020(10-12') were qualified as estimated (UJ). Please note hexachlorocyclopentadiene was previously rejected in SB017(0-2') based on MS/MSD recoveries and the R qualifier takes precedence.
- Based on low recovery in the blank spike, the result for 2,4-dinitrophenol in MW004 was qualified as estimated (J, UJ).
- Based on low recovery in the blank spike, the result for 4-chloroaniline in FD005 was qualified as estimated (J, UJ).
- Based on the poor precision between the dual column concentration, the result for 4,4'-DDE in SB017(0-2') was qualified as estimated (J).
- Results for propylene in SV004, SV005, and SV-Dup-001 were qualified as estimated (J) due to co-elution with a non-target peak. Results for 1,3-butadiene in samples SV004, SV005 and SV-Dup-001 were qualified as estimated (J) due to co-elution with a non-target peak.
- The result for acetone in SV005 was qualified as estimated (J) due to a co-elution with a non-target peak.
- Results for 2,2,4-trimethylpentane in SV004 and SV005 are rejected (R) due to non-target interferences.
- Based on the elevated concentration in the soluble analysis (>20%), the results for total and dissolved antimony in SB021(GW) were qualified as estimated (J).
- The laboratory appropriately applied "J" qualifiers to the sample Form I's when the concentration of an analyte was less than the sample-specific quantitation limit. The validator did not remove these qualifiers.
- For the air samples in SDG No. L131032, the validator recommends caution in the use of low level results for common laboratory solvents such as acetone, toluene, 2-butanone and methylene chloride since no trip blank or field (equipment) blank was submitted for VOAs in the sample set.

XIII. Documentation

The chain of custody records were present and accurately completed for all reported

samples in this data set, and the data package was complete with the following exceptions and, at the client's discretion, should be provided by the laboratory:

- For all air samples in SDG No. L1313032, no client IDs were written on sample labels; the laboratory matched the can IDs from the identifications written on chain of custody records (COCs).
- No Trip blank sample was provided for the air samples associated with SDG L1313032; therefore, the validator recommends caution in the use of low level results for common laboratory solvents such as acetone, toluene, 2-butanone and methylene chloride since no trip blank or field (equipment) blank was submitted for VOAs in the sample set. For future sampling rounds a trip blank should be submitted for any VOA analyses.
- For SDG No. L1314810, sample collection dates/times were not provided on the COC record sent to the laboratory; therefore, they were taken from sample labels on the bottles. Upon request, the samplers provided an updated COC record for the project files.
- In SDG No. L1313126, the container labeled as sample FD017 was not provided on the COC, and time/date/initials indicate that the sample should be identified as FD015; therefore, the sample was labeled as specified on the COC record; "FD015" at login by the laboratory. Sample EQUIP_BLANK_FD_001 on COC was indicated as a soil; however, the sample was a water sample; L1313126-20 and L1313126-25 were labeled as Field Blanks on the containers but on COC as Equip blanks. The samples were logged in as specified on the COC record.
- Samples from SDG No. L1315565 were logged into the laboratory as FO005 and FO016; however, they were identified as FD005 and FD016 on the COC record. A request was made to update the data package accordingly.
- Form 8 summaries for the pesticide and PCB analyses were incomplete and did not include RTs of the surrogate and/or internal standard responses to document any RT shifts. No IS and RT criteria or limits were provided by the laboratory.
- Calibration Summary Form for SDG No. L1313126 on page 884 indicated that the start of the calibration was on 27 April 2013 rather than 2 July 2013 as documented on the Form 5.
- ICPMS Form 2B summaries for all sequences were missing from the data packages.
- All metals Form 3 summaries for the ICP and ICPMS data sets, did not include the negative response values for the ICB/CCB samples as required by the NYS ASP protocol.

- Calculated %recovery for calcium was missing from the summary Form 4A for SDG L1313126 and SDG L1315565.
- An incorrect RF was reported on the Form 7 summary for the ICV in SDG No. L1313126. A correction was requested.
- The ICF and linear Range summaries for SDG No. L1315565 data packages were over two years old. These were requested from the laboratory and updates will be provided.
- The laboratory narrative does not document when calibration criteria are exceeded as required by the method and as required for their NYS NELAP accreditation. The dates and compounds should be referenced in the narrative per method to document when the calibration data deviates from the method requirements.

These issues do not directly affect the validity of the analytical data, but could be problematic if the results were to be used in a litigation situation.

This validation report shall be considered part of the data package for all future distributions of the volatiles, semivolatiles, Pest/PCBs, total and dissolved metals and volatiles in Air analysis data.

ATTACHMENT A

**Electronic Data Deliverables (EDD) with Validation Codes
SDG Nos. L1313032, L1313126, L1314810 and L1315565
Volatiles, Semivolatiles, Pesticides/PCBs, Total and Metals in Soil and Water Samples,
Total and Dissolved Metals in Water Samples, and Volatiles in Air Samples
(submitted electronically)**

Tier III - Validation		Qualifications	KBW	9/3/2013										
		See note.												
LOCATION				SV005		SV004		SV007		SV006		SV-DUP-001		
SAMPLING DATE				7/11/2013		7/11/2013		7/11/2013		7/11/2013		7/11/2013		
LAB SAMPLE ID				L1313032-01		L1313032-02		L1313032-03		L1313032-04		L1313032-05		
	CasNum	AIR-UGM TEST	Units		Qual		Qual		Qual		Qual		Qual	
Volatile Organics in Air - Mansfield Lab														
1,1,1-Trichloroethane	71-55-6	0.25	ug/m3	9.82	U	6.27	U	16.1	U	25.8	U	15.4	U	
1,1,2,2-Tetrachloroethane	79-34-5	0.25	ug/m3	12.4	U	7.9	U	20.3	U	32.5	U	19.4	U	
1,1,2-Trichloroethane	79-00-5	0.25	ug/m3	9.82	U	6.27	U	16.1	U	25.8	U	15.4	U	
1,1-Dichloroethane	75-34-3	0.25	ug/m3	7.29	U	4.65	U	12	U	19.1	U	11.5	U	
1,1-Dichloroethene	75-35-4	0.25	ug/m3	7.14	U	4.56	U	11.7	U	18.8	U	11.2	U	
1,2,4-Trichlorobenzene	120-82-1	0.25	ug/m3	13.4	U	8.54	U	22	U	35.1	U	21	U	
1,2,4-Trimethylbenzene	95-63-6	0.25	ug/m3	11.3		9.19		14.6	U	64.9		13.9	U	
1,2-Dibromoethane	106-93-4	0.25	ug/m3	13.8	U	8.84	U	22.7	U	36.4	U	21.7	U	
1,2-Dichlorobenzene	95-50-1	0.25	ug/m3	10.8	U	6.91	U	17.8	U	28.4	U	17	U	
1,2-Dichloroethane	107-06-2	0.25	ug/m3	7.29	U	4.65	U	12	U	19.1	U	11.5	U	
1,2-Dichloropropane	78-87-5	0.25	ug/m3	8.32	U	5.31	U	13.7	U	21.9	U	13.1	U	
1,3,5-Trimethylbenzene	108-67-8	0.25	ug/m3	8.85	U	5.65	U	14.6	U	23.3	U	13.9	U	
1,3-Butadiene	106-99-0	0.25	ug/m3	4.89	J	11.7	J	6.55	U	10.5	U	10.4	J	
1,3-Dichlorobenzene	541-73-1	0.25	ug/m3	10.8	U	6.91	U	17.8	U	28.4	U	17	U	
1,4-Dichlorobenzene	106-46-7	0.25	ug/m3	10.8	U	6.91	U	17.8	U	28.4	U	17	U	
1,4-Dioxane	123-91-1	0.25	ug/m3	6.49	U	4.14	U	10.7	U	17	U	10.2	U	
2,2,4-Trimethylpentane	540-84-1	0.25	ug/m3	R	R	R	R	13.8	U	22.1	U	13.2	U	
2-Butanone	78-93-3	0.25	ug/m3	79.6		130		157	J	136		148		
2-Hexanone	591-78-6	0.25	ug/m3	7.38	U	4.71	U	12.1	U	19.4	U	11.6	U	
3-Chloropropene	107-05-1	0.25	ug/m3	5.63	U	3.6	U	9.26	U	14.8	U	8.86	U	
4-Ethyltoluene	622-96-8	0.25	ug/m3	8.85	U	5.65	U	14.6	U	23.3	U	13.9	U	
4-Methyl-2-pentanone	108-10-1	0.25	ug/m3	7.38	U	10.3		27.7		27.4		11.6	U	
Acetone	67-64-1	0.25	ug/m3	881	J	1750		2210		2240		1900		
Benzene	71-43-2	0.25	ug/m3	821		69		9.46	U	15.1	U	87.9		
Benzyl chloride	100-44-7	0.25	ug/m3	9.32	U	5.95	U	15.3	U	24.5	U	14.7	U	
Bromodichloromethane	75-27-4	0.25	ug/m3	12.1	U	7.7	U	19.8	U	31.7	U	19	U	
Bromoform	75-25-2	0.25	ug/m3	18.6	U	11.9	U	30.6	U	48.9	U	29.3	U	
Bromomethane	74-83-9	0.25	ug/m3	6.99	U	4.47	U	11.5	U	18.4	U	11	U	
Carbon disulfide	75-15-0	0.25	ug/m3	29.3		24.4		9.22	U	14.7	U	29.9		
Carbon tetrachloride	56-23-5	0.25	ug/m3	11.3	U	7.23	U	18.6	U	29.8	U	17.8	U	
Chlorobenzene	108-90-7	0.25	ug/m3	8.29	U	5.3	U	13.6	U	21.8	U	13	U	
Chloroethane	75-00-3	0.25	ug/m3	4.75	U	3.03	U	7.81	U	12.5	U	7.47	U	
Chloroform	67-66-3	0.25	ug/m3	16.1		24.5		14.5	U	23.1	U	28.1		
Chloromethane	74-87-3	0.25	ug/m3	3.72	U	2.37	U	6.11	U	9.77	U	5.84	U	
cis-1,2-Dichloroethene	156-59-2	0.25	ug/m3	7.14	U	4.56	U	11.7	U	18.8	U	11.2	U	
cis-1,3-Dichloropropene	10061-01-5	0.25	ug/m3	8.17	U	5.22	U	13.4	U	21.5	U	12.8	U	
Cyclohexane	110-82-7	0.25	ug/m3	101		12.9		10.2	U	16.3	U	14.1		
Dibromochloromethane	124-48-1	0.25	ug/m3	15.3	U	9.8	U	25.2	U	40.3	U	24.1	U	
Dichlorodifluoromethane	75-71-8	0.25	ug/m3	8.9	U	5.69	U	14.6	U	23.4	U	14	U	
Ethanol	64-17-5	0.25	ug/m3	42.2	U	135		69.7	U	377		163		
Ethyl Acetate	141-78-6	0.25	ug/m3	16.2	U	10.3	U	26.7	U	42.5	U	25.5	U	
Ethylbenzene	100-41-4	0.25	ug/m3	11.2		9.64		12.9	U	20.5	U	12.3	U	
Freon-113	76-13-1	0.25	ug/m3	13.8	U	8.81	U	22.7	U	36.3	U	21.7	U	
Freon-114	76-14-2	0.25	ug/m3	12.6	U	8.04	U	20.7	U	33.1	U	19.8	U	
Heptane	142-82-5	0.25	ug/m3	40.4		23.5		25.2		26.3		26.9		
Hexachlorobutadiene	87-68-3	0.25	ug/m3	19.2	U	12.3	U	31.6	U	50.5	U	30.2	U	
Isopropanol	67-63-0	0.25	ug/m3	11	U	88.2		40.8		79.9		89.5		
Methyl tert butyl ether	1634-04-4	0.25	ug/m3	6.49	U	4.15	U	10.7	U	17.1	U	10.2	U	
Methylene chloride	75-09-2	0.25	ug/m3	35.4		20		51.4	U	82	U	49	U	
n-Hexane	110-54-3	0.25	ug/m3	159		38.1		20.8		36.3		38.8		
o-Xylene	95-47-6	0.25	ug/m3	15.2		12.6		15.4		21.3		15.7		
p/m-Xylene	179601-23-1	0.25	ug/m3	40.5		35.4		41.4		50.8		40.5		
Propylene	115-07-1	0.25	ug/m3	208		86.1		21.3		20.3	U	84.5		
Styrene	100-42-5	0.25	ug/m3	7.66	U	4.9	U	12.6	U	20.1	U	12	U	
Tetrachloroethene	127-18-4	0.25	ug/m3	12.2	U	7.8	U	20.1	U	32.1	U	19.2	U	
Tetrahydrofuran	109-99-9	0.25	ug/m3	5.31	U	3.39	U	12.5		14	U	8.35	U	
Toluene	108-88-3	0.25	ug/m3	227		93.8		153		201		129		
trans-1,2-Dichloroethene	156-60-5	0.25	ug/m3	7.14	U	4.56	U	11.7	U	18.8	U	11.2	U	
trans-1,3-Dichloropropene	10061-02-6	0.25	ug/m3	8.17	U	5.22	U	13.4	U	21.5	U	12.8	U	
Trichloroethene	79-01-6	0.25	ug/m3	9.67	U	143		15.9	U	25.4	U	221		
Trichlorofluoromethane	75-69-4	0.25	ug/m3	10.1	U	6.46	U	16.6	U	26.6	U	15.9	U	
Vinyl acetate	108-05-4	0.25	ug/m3	6.34	U	4.05	U	10.4	U	16.7	U	9.96	U	
Vinyl bromide	593-60-2	0.25	ug/m3	7.87	U	5.03	U	12.9	U	20.7	U	12.4	U	
Vinyl chloride	75-01-4	0.25	ug/m3	4.6	U	2.94	U	7.57	U	12.1	U	7.23	U	

Note: The validator recommends caution in the use of low level results for common laboratory solvents such as acetone, toluene, 2-butanone and methylene chloride since no trip blank or field (equipment) blank was submitted for VOAs in the sample set

Tier III-Data Validation		All other Samples Tier II		Qualifications																	
LOCATION		KBW9/10/2013		EQUIP_BLANK_SOIL_001 LANK_SOIL_001		SB020 (GW)		SB020 (GW)		SB020 (GW)		SB020 (GW)		SB020 (GW)		SB020 (GW)		SB020 (GW)		SB020 (GW)	
SAMPLING DATE		7/11/2013		7/11/2013		7/11/2013		7/11/2013		7/11/2013		7/11/2013		7/11/2013		7/11/2013		7/11/2013		7/11/2013	
LAB SAMPLE ID		L1313126-20		L1313126-20 R1		L1313126-21		L1313126-21 R1		L1313126-21 R2		L1313126-21 R3		L1313126-21 R3		L1313126-21 R3		L1313126-21 R3		L1313126-21 R3	
		CasNum	NOCRIT	Units		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual	
Dissolved Metals - Westborough Lab																					
Aluminum, Dissolved		7429-90-5		ug/l	-	-	-	-	-	-	24.1	-	-	-	-	-	-	-	-	-	-
Antimony, Dissolved		7440-36-0		ug/l	-	-	-	-	-	-	15.08	-	-	-	-	-	-	-	-	-	-
Arsenic, Dissolved		7440-38-2		ug/l	-	-	-	-	-	-	5.46	-	-	-	-	-	-	-	-	-	-
Barium, Dissolved		7440-39-3		ug/l	-	-	-	-	-	-	83.8	-	-	-	-	-	-	-	-	-	-
Beryllium, Dissolved		7440-41-7		ug/l	-	-	-	-	-	-	0.5	U	-	-	-	-	-	-	-	-	-
Cadmium, Dissolved		7440-43-9		ug/l	-	-	-	-	-	-	0.26	-	-	-	-	-	-	-	-	-	-
Calcium, Dissolved		7440-70-2		ug/l	-	-	-	225000	J	-	-	-	-	-	-	-	-	-	-	-	-
Chromium, Dissolved		7440-47-3		ug/l	-	-	-	-	-	-	2.79	-	-	-	-	-	-	-	-	-	-
Cobalt, Dissolved		7440-48-4		ug/l	-	-	-	-	-	-	13.25	-	-	-	-	-	-	-	-	-	-
Copper, Dissolved		7440-50-8		ug/l	-	-	-	-	-	-	5.89	-	-	-	-	-	-	-	-	-	-
Iron, Dissolved		7439-89-6		ug/l	-	-	-	-	-	-	1340	-	-	-	-	-	-	-	-	-	-
Lead, Dissolved		7439-92-1		ug/l	-	-	-	-	-	-	3.32	-	-	-	-	-	-	-	-	-	-
Magnesium, Dissolved		7439-95-4		ug/l	-	-	-	-	-	-	18200	-	-	-	-	-	-	-	-	-	-
Manganese, Dissolved		7439-96-5		ug/l	-	-	-	2340	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury, Dissolved		7439-97-6		ug/l	-	-	-	0.07	J	-	-	-	-	-	-	-	-	-	-	-	-
Nickel, Dissolved		7440-02-0		ug/l	-	-	-	-	-	-	10.56	-	-	-	-	-	-	-	-	-	-
Potassium, Dissolved		7440-09-7		ug/l	-	-	-	-	-	-	13100	-	-	-	-	-	-	-	-	-	-
Selenium, Dissolved		7782-49-2		ug/l	-	-	-	-	-	-	9.05	-	-	-	-	-	-	-	-	-	-
Silver, Dissolved		7440-22-4		ug/l	-	-	-	-	-	-	0.4	U	-	-	-	-	-	-	-	-	-
Sodium, Dissolved		7440-23-5		ug/l	-	-	-	50700	J	-	-	-	-	-	-	-	-	-	-	-	-
Thallium, Dissolved		7440-28-0		ug/l	-	-	-	-	-	-	0.03	J	-	-	-	-	-	-	-	-	-
Vanadium, Dissolved		7440-62-2		ug/l	-	-	-	-	-	-	1.63	J	-	-	-	-	-	-	-	-	-
Zinc, Dissolved		7440-66-6		ug/l	-	-	-	691.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Organochlorine Pesticides by GC - Westborough Lab																					
4,4'-DDD		72-54-8		ug/l	0.04	U	-	0.04	U	-	-	-	-	-	-	-	-	-	-	-	-
4,4'-DDE		72-55-9		ug/l	0.04	U	-	0.04	U	-	-	-	-	-	-	-	-	-	-	-	-
4,4'-DDT		50-29-3		ug/l	0.04	U	-	0.04	U	-	-	-	-	-	-	-	-	-	-	-	-
Aldrin		309-00-2		ug/l	0.02	U	-	0.02	U	-	-	-	-	-	-	-	-	-	-	-	-
Alpha-BHC		319-84-6		ug/l	0.02	U	-	0.02	U	-	-	-	-	-	-	-	-	-	-	-	-
Beta-BHC		319-85-7		ug/l	0.02	U	-	0.02	U	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane		57-74-9		ug/l	0.2	U	-	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-
cis-Chlordane		5103-71-9		ug/l	0.02	U	-	0.02	U	-	-	-	-	-	-	-	-	-	-	-	-
Delta-BHC		319-86-8		ug/l	0.02	U	-	0.02	U	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin		60-57-1		ug/l	0.04	U	-	0.04	U	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I		959-98-8		ug/l	0.02	U	-	0.02	U	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II		33213-65-9		ug/l	0.04	U	-	0.04	U	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan sulfate		1031-07-8		ug/l	0.04	U	-	0.04	U	-	-	-	-	-	-	-	-	-	-	-	-
Endrin		72-20-8		ug/l	0.04	U	-	0.04	U	-	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone		53494-70-5		ug/l	0.04	U	-	0.04	U	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor		76-44-8		ug/l	0.02	U	-	0.02	U	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor epoxide		1024-57-3		ug/l	0.02	U	-	0.02	U	-	-	-	-	-	-	-	-	-	-	-	-
Lindane		58-89-9		ug/l	0.02	U	-	0.02	U	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor		72-43-5		ug/l	0.2	U	-	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-
Toxaphene		8001-35-2		ug/l	0.2	U	-	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-
trans-Chlordane		5103-74-2		ug/l	0.02	U	-	0.02	U	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls by GC - Westborough Lab																					
Use original results																					
Aroclor 1016		12674-11-2		ug/l	0.083	U	0.083	U	0.083	U	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1221		11104-28-2		ug/l	0.083	U	0.083	U	0.083	U	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1232		11141-16-5		ug/l	0.083	U	0.083	U	0.083	U	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1242		53469-21-9		ug/l	0.083	U	0.083	U	0.083	U	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1248		12672-29-6		ug/l	0.083	U	0.083	U	0.083	U	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1254		11097-69-1		ug/l	0.083	U	0.083	U	0.083	U	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1260		11096-82-5		ug/l	0.083	U	0.083	U	0.083	U	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1262		37324-23-5		ug/l	0.083	U	0.083	U	0.083	U	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1268		11100-14-4		ug/l	0.083	U	0.083	U	0.083	U	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organics by GC/MS - Westborough Lab																					
1,2,4,5-Tetrachlorobenzene		95-94-3		ug/l	10	U	-	10	U	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene		120-82-1		ug/l	5	U	-	5	U	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene		95-50-1		ug/l	2	U	-	2	U	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene		541-73-1		ug/l	2	U	-	2	U	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene		106-46-7		ug/l	2	U	-	2	U	-	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol		95-95-4		ug/l	5	U	-	5	U	-	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol		88-06-2		ug/l	5	U	-	5	U	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol		120-83-2		ug/l	5	U	-	5	U	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol		105-67-9		ug/l	5	U	-	5	U	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol		51-28-5		ug/l	20	U	-	20	U	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene		121-14-2		ug/l	5	U	-	5	U	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene		606-20-2		ug/l	5	U	-	5	U	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol		95-57-8		ug/l	2	U	-	2	U	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol		95-48-7		ug/l	5	U	-	5	U	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline		88-74-4		ug/l	5	U	-	5	U	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol		88-75-5		ug/l	10	U	-	10	U	-	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine		91-94-1		ug/l	5	U	-	5	UJ	-	-	-	-	-	-	-	-	-	-	-	-
3-Methylphenol/4-Methylphenol		108-39-4		ug/l	5	U	-	5	U	-	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline		99-09-2		ug/l	5	U	-	5	U	-	-	-	-	-	-	-	-	-	-	-	-
4,6-Dinitro-o-cresol		534-52-1		ug/l	10	U	-	10	U	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether		101-55-3		ug/l	2	U	-	2	U	-	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline		106-47-8		ug/l	5	U	-	5	U	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether		7005-72-3		ug/l	2	U	-	2	U	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline		100-01-6		ug/l	5	U	-	5	U	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol		100-02-7		ug/l	10	U	-	10	U	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone		98-86-2		ug/l	5	U	-	5	U	-	-	-	-	-	-	-	-				

Carbazole	86-74-8	ug/l	2	U	-	2	U	-	-	-	-
Di-n-butylphthalate	84-74-2	ug/l	5	U	-	5	U	-	-	-	-
Di-n-octylphthalate	117-84-0	ug/l	5	U	-	5	U	-	-	-	-
Dibenzofuran	132-64-9	ug/l	2	U	-	2	U	-	-	-	-
Diethyl phthalate	84-66-2	ug/l	5	U	-	5	U	-	-	-	-
Dimethyl phthalate	131-11-3	ug/l	5	U	-	5	U	-	-	-	-
Hexachlorocyclopentadiene	77-47-4	ug/l	20	U	-	20	U	-	-	-	-
Isophorone	78-59-1	ug/l	5	U	-	5	U	-	-	-	-
n-Nitrosodi-n-propylamine	621-64-7	ug/l	5	U	-	5	U	-	-	-	-
Nitrobenzene	98-95-3	ug/l	2	U	-	2	U	-	-	-	-
NitrosoDiPhenylAmine(NDPA)/Df	86-30-6	ug/l	2	U	-	2	U	-	-	-	-
P-Chloro-M-Cresol	59-50-7	ug/l	2	U	-	2	U	-	-	-	-
Phenol	108-95-2	ug/l	5	U	-	5	U	-	-	-	-
Semivolatile Organics by GC/MS-SIM - Westborough Lab											
2-Chloronaphthalene	91-58-7	ug/l	0.2	U	-	0.2	U	-	-	-	-
2-Methylnaphthalene	91-57-6	ug/l	0.2	U	-	0.2	U	-	-	-	-
Acenaphthene	83-32-9	ug/l	0.2	U	-	0.2	U	-	-	-	-
Acenaphthylene	208-96-8	ug/l	0.2	U	-	0.18	J	-	-	-	-
Anthracene	120-12-7	ug/l	0.2	U	-	0.12	J	-	-	-	-
Benzo(a)anthracene	56-55-3	ug/l	0.2	U	-	0.36	-	-	-	-	-
Benzo(a)pyrene	50-32-8	ug/l	0.2	U	-	0.71	-	-	-	-	-
Benzo(b)fluoranthene	205-99-2	ug/l	0.2	U	-	1.5	-	-	-	-	-
Benzo(ghi)perylene	191-24-2	ug/l	0.2	U	-	1.6	-	-	-	-	-
Benzo(k)fluoranthene	207-08-9	ug/l	0.2	U	-	0.51	-	-	-	-	-
Chrysene	218-01-9	ug/l	0.2	U	-	0.39	-	-	-	-	-
Dibenzo(a,h)anthracene	53-70-3	ug/l	0.2	U	-	0.3	-	-	-	-	-
Fluoranthene	206-44-0	ug/l	0.2	U	-	0.5	-	-	-	-	-
Fluorene	86-73-7	ug/l	0.2	U	-	0.2	U	-	-	-	-
Hexachlorobenzene	118-74-1	ug/l	0.8	U	-	0.8	U	-	-	-	-
Hexachlorobutadiene	87-68-3	ug/l	0.5	U	-	0.5	U	-	-	-	-
Hexachloroethane	67-72-1	ug/l	0.8	U	-	0.8	U	-	-	-	-
Indeno(1,2,3-cd)Pyrene	193-39-5	ug/l	0.2	U	-	1.5	-	-	-	-	-
Naphthalene	91-20-3	ug/l	0.2	U	-	0.26	-	-	-	-	-
Pentachlorophenol	87-86-5	ug/l	0.8	U	-	0.8	U	-	-	-	-
Phenanthrene	85-01-8	ug/l	0.2	U	-	0.18	J	-	-	-	-
Pyrene	129-00-0	ug/l	0.2	U	-	0.57	-	-	-	-	-
Total Metals - Westborough Lab											
Aluminum, Total	7429-90-5	ug/l	4.53	J	-	-	-	-	2440	J	-
Antimony, Total	7440-36-0	ug/l	1	U	-	-	-	-	-	-	16.26
Arsenic, Total	7440-38-2	ug/l	0.5	U	-	-	-	-	-	-	16.24
Barium, Total	7440-39-3	ug/l	0.32	J	-	-	-	-	-	-	126.9
Beryllium, Total	7440-41-7	ug/l	0.5	U	-	-	-	-	-	-	0.12
Cadmium, Total	7440-43-9	ug/l	0.2	U	-	-	-	-	-	-	0.37
Calcium, Total	7440-70-2	ug/l	36.6	J	-	-	-	-	221000	J	-
Chromium, Total	7440-47-3	ug/l	0.67	J	-	-	-	-	-	-	7.01
Cobalt, Total	7440-48-4	ug/l	0.5	U	-	-	-	-	-	-	15.97
Copper, Total	7440-50-8	ug/l	0.32	J	-	-	-	-	-	-	36.38
Iron, Total	7439-89-6	ug/l	14.3	J	-	-	-	-	-	-	6260
Lead, Total	7439-92-1	ug/l	0.24	J	-	-	-	-	-	-	240.8
Magnesium, Total	7439-95-4	ug/l	70	U	-	-	-	-	-	-	17300
Manganese, Total	7439-96-5	ug/l	0.37	J	-	-	-	-	2390	-	-
Mercury, Total	7439-97-6	ug/l	0.2	U	-	2.09	-	-	-	-	-
Nickel, Total	7440-02-0	ug/l	0.21	J	-	-	-	-	-	-	15.1
Potassium, Total	7440-09-7	ug/l	100	U	-	-	-	-	-	-	13400
Selenium, Total	7782-49-2	ug/l	5	U	-	-	-	-	-	-	8.64
Silver, Total	7440-22-4	ug/l	0.4	U	-	-	-	-	-	-	0.43
Sodium, Total	7440-23-5	ug/l	20.6	J	-	-	-	-	49500	J	-
Thallium, Total	7440-28-0	ug/l	0.5	U	-	-	-	-	-	-	0.07
Vanadium, Total	7440-62-2	ug/l	5	U	-	-	-	-	-	-	7.69
Zinc, Total	7440-66-6	ug/l	5.31	J	-	-	-	-	945.8	-	-
Volatile Organics by GC/MS - Westborough Lab											
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	2.5	U	-	2.5	U	-	-	-	-
1,1,1-Trichloroethane	71-55-6	ug/l	2.5	U	-	2.5	U	-	-	-	-
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	0.5	U	-	0.5	U	-	-	-	-
1,1,2-Trichloroethane	79-00-5	ug/l	1.5	U	-	1.5	U	-	-	-	-
1,1-Dichloroethane	75-34-3	ug/l	2.5	U	-	2.5	U	-	-	-	-
1,1-Dichloroethene	75-35-4	ug/l	0.5	U	-	0.5	U	-	-	-	-
1,1-Dichloropropene	563-58-6	ug/l	2.5	U	-	2.5	U	-	-	-	-
1,2,3-Trichlorobenzene	87-61-6	ug/l	2.5	U	-	2.5	U	-	-	-	-
1,2,3-Trichloropropane	96-18-4	ug/l	2.5	U	-	2.5	U	-	-	-	-
1,2,4,5-Tetramethylbenzene	95-93-2	ug/l	2	U	-	2	U	-	-	-	-
1,2,4-Trichlorobenzene	120-82-1	ug/l	2.5	U	-	2.5	U	-	-	-	-
1,2,4-Trimethylbenzene	95-63-6	ug/l	2.5	U	-	2.5	U	-	-	-	-
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	2.5	U	-	2.5	U	-	-	-	-
1,2-Dibromoethane	106-93-4	ug/l	2	U	-	2	U	-	-	-	-
1,2-Dichlorobenzene	95-50-1	ug/l	2.5	U	-	2.5	U	-	-	-	-
1,2-Dichloroethane	107-06-2	ug/l	0.5	U	-	0.5	U	-	-	-	-
1,2-Dichloropropane	78-87-5	ug/l	1	U	-	1	U	-	-	-	-
1,3,5-Trimethylbenzene	108-67-8	ug/l	2.5	U	-	2.5	U	-	-	-	-
1,3-Dichlorobenzene	541-73-1	ug/l	2.5	U	-	2.5	U	-	-	-	-
1,3-Dichloropropane	142-28-9	ug/l	2.5	U	-	2.5	U	-	-	-	-
1,4-Dichlorobenzene	106-46-7	ug/l	2.5	U	-	2.5	U	-	-	-	-
1,4-Diethylbenzene	105-05-5	ug/l	2	U	-	2	U	-	-	-	-
1,4-Dioxane	123-91-1	ug/l	250	U	-	250	U	-	-	-	-
2,2-Dichloropropane	594-20-7	ug/l	2.5	U	-	2.5	U	-	-	-	-
2-Butanone	78-93-3	ug/l	5	U	-	5	U	-	-	-	-
2-Hexanone	591-78-6	ug/l	5	U	-	5	U	-	-	-	-
4-Ethyltoluene	622-96-8	ug/l	2	U	-	2	U	-	-	-	-
4-Methyl-2-pentanone	108-10-1	ug/l	5	U	-	5	U	-	-	-	-
Acetone	67-64-1	ug/l	3.1	J	-	5	U	-	-	-	-
Acrylonitrile	107-13-1	ug/l	5	U	-	5	U	-	-	-	-
Benzene	71-43-2	ug/l	0.5	U	-	0.5	U	-	-	-	-
Bromobenzene	108-86-1	ug/l	2.5	U	-	2.5	U	-	-	-	-
Bromochloromethane	74-97-5	ug/l	2.5	U	-	2.5	U	-	-	-	-
Bromodichloromethane	75-27-4	ug/l	0.5	U	-	0.5	U	-	-	-	-
Bromoform	75-25-2	ug/l	2	U	-	2	U	-	-	-	-
Bromomethane	74-83-9	ug/l	2.5	U	-	2.5	U	-	-	-	-
Carbon disulfide	75-15-0	ug/l	5	U	-	5	U	-	-	-	-

Carbon tetrachloride	56-23-5	ug/l	0.5	U	-	0.5	U	-	-	-
Chlorobenzene	108-90-7	ug/l	2.5	U	-	2.5	U	-	-	-
Chloroethane	75-00-3	ug/l	2.5	U	-	2.5	U	-	-	-
Chloroform	67-66-3	ug/l	2.5	U	-	2.5	U	-	-	-
Chloromethane	74-87-3	ug/l	2.5	U	-	2.5	U	-	-	-
cis-1,2-Dichloroethene	156-59-2	ug/l	2.5	U	-	2.5	U	-	-	-
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.5	U	-	0.5	U	-	-	-
Dibromochloromethane	124-48-1	ug/l	0.5	U	-	0.5	U	-	-	-
Dibromomethane	74-95-3	ug/l	5	U	-	5	U	-	-	-
Dichlorodifluoromethane	75-71-8	ug/l	5	U	-	5	U	-	-	-
Ethyl ether	60-29-7	ug/l	2.5	U	-	2.5	U	-	-	-
Ethylbenzene	100-41-4	ug/l	2.5	U	-	2.5	U	-	-	-
Hexachlorobutadiene	87-68-3	ug/l	2.5	U	-	2.5	U	-	-	-
Isopropylbenzene	98-82-8	ug/l	2.5	U	-	2.5	U	-	-	-
Methyl tert butyl ether	1634-04-4	ug/l	2.5	U	-	2.5	U	-	-	-
Methylene chloride	75-09-2	ug/l	2.5	U	-	2.5	U	-	-	-
n-Butylbenzene	104-51-8	ug/l	2.5	U	-	2.5	U	-	-	-
n-Propylbenzene	103-65-1	ug/l	2.5	U	-	2.5	U	-	-	-
Naphthalene	91-20-3	ug/l	2.5	U	-	0.9	J	-	-	-
o-Chlorotoluene	95-49-8	ug/l	2.5	U	-	2.5	U	-	-	-
o-Xylene	95-47-6	ug/l	2.5	U	-	2.5	U	-	-	-
p-Chlorotoluene	106-43-4	ug/l	2.5	U	-	2.5	U	-	-	-
p-Isopropyltoluene	99-87-6	ug/l	2.5	U	-	2.5	U	-	-	-
p/m-Xylene	179601-23-1	ug/l	2.5	U	-	2.5	U	-	-	-
sec-Butylbenzene	135-98-8	ug/l	2.5	U	-	2.5	U	-	-	-
Styrene	100-42-5	ug/l	2.5	U	-	2.5	U	-	-	-
tert-Butylbenzene	98-06-6	ug/l	2.5	U	-	2.5	U	-	-	-
Tetrachloroethene	127-18-4	ug/l	0.5	U	-	0.5	U	-	-	-
Toluene	108-88-3	ug/l	2.5	U	-	2.5	U	-	-	-
trans-1,2-Dichloroethene	156-60-5	ug/l	2.5	U	-	2.5	U	-	-	-
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.5	U	-	0.5	U	-	-	-
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	2.5	U	-	2.5	U	-	-	-
Trichloroethene	79-01-6	ug/l	0.5	U	-	0.5	U	-	-	-
Trichlorofluoromethane	75-69-4	ug/l	2.5	U	-	2.5	U	-	-	-
Vinyl acetate	108-05-4	ug/l	5	U	-	5	U	-	-	-
Vinyl chloride	75-01-4	ug/l	1	U	-	1	U	-	-	-

9021 (GW) 7/11/2013 L1313126-22	SB021 (GW) 7/11/2013 L1313126-22 R1	Qual	SB022 (GW) 7/11/2013 L1313126-23	Qual	SB022 (GW) 7/11/2013 L1313126-23 R1	Qual	GW_DUP_001 7/11/2013 L1313126-24	Qual	GW_DUP_001/IP_BLANK_GW_001 7/11/2013 L1313126-24 R1	Qual	IP_BLANK_GW_001 7/11/2013 L1313126-25	Qual	TRIP BLANK 7/11/2013 L1313126-26	Qual	UIP_BLANK_FD_001 7/11/2013 L1313126-34	Qual	TRIP BLANK 7/11/2013 L1313126-35	Qual
-	15.2	J	-		223		-		9.48	J	-		-		-		-	
-	8.49	J	-		3.78		-		8.93	-	-		-		-		-	
-	5.35		-		1.16		-		5.95	-	-		-		-		-	
-	112.7		-		45.72		-		110.1	-	-		-		-		-	
-	0.5	U	-		0.15	J	-		0.5	U	-		-		-		-	
-	0.47		-		4.39		-		0.53	-	-		-		-		-	
153000	-		402000		-		135000		-	-	-		-		-		-	
-	1.84		-		2.41		-		1.61	-	-		-		-		-	
-	1.07		-		11.07		-		0.51	-	-		-		-		-	
-	1.56		-		128.5		-		2.52	-	-		-		-		-	
-	764		-		1860		-		644	-	-		-		-		-	
-	19.24	J	1188		-		-		10.22	J	-		-		-		-	
-	6980		-		15000		-		6590	-	-		-		-		-	
-	64.05	J	-		365.9		-		25.03	J	-		-		-		-	
0.2	U		1.92		-		0.2	U	-	-	-		-		-		-	
-	4.98		-		25.14		-		4.62	-	-		-		-		-	
-	4130		-		7820		-		3870	-	-		-		-		-	
-	3.57	J	-		7.3		-		3.6	J	-		-		-		-	
-	0.4	U	-		0.4	U	-		0.4	U	-		-		-		-	
-	15800		59000		-		-		15000	-	-		-		-		-	
-	0.03	J	-		0.09	J	-		0.5	U	-		-		-		-	
-	0.92	J	-		0.49	J	-		0.84	J	-		-		-		-	
908.6	J		1346		-		854.8		-	-	-		-		-		-	
0.04	U	-	0.04	U	-		0.04	U	-		0.04	U	-		0.04	U	-	
0.04	U	-	0.04	U	-		0.04	U	-		0.04	U	-		0.04	U	-	
0.04	U	-	0.04	U	-		0.04	U	-		0.04	U	-		0.04	U	-	
0.02	U	-	0.02	U	-		0.02	U	-		0.02	U	-		0.02	U	-	
0.02	U	-	0.02	U	-		0.02	U	-		0.02	U	-		0.02	U	-	
0.02	U	-	0.02	U	-		0.02	U	-		0.02	U	-		0.02	U	-	
0.2	U	-	0.2	U	-		0.2	U	-		0.2	U	-		0.2	U	-	
0.02	U	-	0.02	U	-		0.02	U	-		0.02	U	-		0.02	U	-	
0.02	U	-	0.02	U	-		0.02	U	-		0.02	U	-		0.02	U	-	
0.04	U	-	0.04	U	-		0.04	U	-		0.04	U	-		0.04	U	-	
0.02	U	-	0.02	U	-		0.02	U	-		0.02	U	-		0.02	U	-	
0.04	U	-	0.04	U	-		0.04	U	-		0.04	U	-		0.04	U	-	
0.04	U	-	0.04	U	-		0.04	U	-		0.04	U	-		0.04	U	-	
0.04	U	-	0.04	U	-		0.04	U	-		0.04	U	-		0.04	U	-	
0.02	U	-	0.02	U	-		0.02	U	-		0.02	U	-		0.02	U	-	
0.02	U	-	0.02	U	-		0.02	U	-		0.02	U	-		0.02	U	-	
0.02	U	-	0.02	U	-		0.02	U	-		0.02	U	-		0.02	U	-	
0.2	U	-	0.2	U	-		0.2	U	-		0.2	U	-		0.2	U	-	
0.2	U	-	0.2	U	-		0.2	U	-		0.2	U	-		0.2	U	-	
0.02	U	-	0.02	U	-		0.02	U	-		0.02	U	-		0.02	U	-	
0.083	U	-	0.083	U	-		0.083	U	-		0.083	U	-		0.083	U	-	
0.083	U	-	0.083	U	-		0.083	U	-		0.083	U	-		0.083	U	-	
0.083	U	-	0.083	U	-		0.083	U	-		0.083	U	-		0.083	U	-	
0.083	U	-	0.083	U	-		0.083	U	-		0.083	U	-		0.083	U	-	
0.083	U	-	0.083	U	-		0.083	U	-		0.083	U	-		0.083	U	-	
0.083	U	-	0.083	U	-		0.083	U	-		0.083	U	-		0.083	U	-	
0.083	U	-	0.083	U	-		0.083	U	-		0.083	U	-		0.083	U	-	
0.083	U	-	0.083	U	-		0.083	U	-		0.083	U	-		0.083	U	-	
0.083	U	-	0.083	U	-		0.083	U	-		0.083	U	-		0.083	U	-	
10	U	-	10	U	-		10	U	-		10	U	-		10	U	-	
5	U	-	5	U	-		5	U	-		5	U	-		5	U	-	
2	U	-	2	U	-		2	U	-		2	U	-		2	U	-	
2	U	-	2	U	-		2	U	-		2	U	-		2	U	-	
2	U	-	2	U	-		2	U	-		2	U	-		2	U	-	
5	U	-	5	U	-		5	U	-		5	U	-		5	U	-	
5	U	-	5	U	-		5	U	-		5	U	-		5	U	-	
5	U	-	5	U	-		5	U	-		5	U	-		5	U	-	
5	U	-	5	U	-		5	U	-		5	U	-		5	U	-	
20	U	-	20	U	-		20	U	-		20	U	-		20	U	-	
5	U	-	5	U	-		5	U	-		5	U	-		5	U	-	
5	U	-	5	U	-		5	U	-		5	U	-		5	U	-	
2	U	-	2	U	-		2	U	-		2	U	-		2	U	-	
5	U	-	5	U	-		5	U	-		5	U	-		5	U	-	
5	U	-	5	U	-		5	U	-		5	U	-		5	U	-	
10	U	-	10	U	-		10	U	-		10	U	-		10	U	-	
5	U	-	5	U	-		5	U	-		5	U	-		5	U	-	
5	U	-	5	U	-		5	U	-		5	U	-		5	U	-	
5	U	-	5	U	-		5	U	-		5	U	-		5	U	-	
10	U	-	10	U	-		10	U	-		10	U	-		10	U	-	
2	U	-	2	U	-		2	U	-		2	U	-		2	U	-	
5	U	-	5	U	-		5	U	-		5	U	-		5	U	-	
2	U	-	2	U	-		2	U	-		2	U	-		2	U	-	
5	U	-	5	U	-		5	U	-		5	U	-		5	U	-	
10	U	-	10	U	-		10	U	-		10	U	-		10	U	-	
5	U	-	5	U	-		5	U	-		5	U	-		5	U	-	
50	U	-	50	U	-		50	U	-		50	U	-		50	U	-	
2	U	-	2	U	-		2	U	-		2	U	-		2	U	-	
2	U	-	2	U	-		2	U	-		2	U	-		2	U	-	
5	U	-	5	U	-		5	U	-		5	U	-		5	U	-	
2	U	-	2	U	-		2	U	-		2	U	-		2	U	-	
2	U	-	2	U	-		2	U	-		2	U	-		2	U	-	
3	U	-	3	U	-		3	U	-		3	U	-		3	U	-	
5	U	-	5	U	-		5	U	-		5	U	-		5	U	-	

2	U	-	2	U	-	2	U	-	2	U	-	2	U	-
5	U	-	5	U	-	5	U	-	5	U	-	5	U	-
5	U	-	5	U	-	5	U	-	5	U	-	5	U	-
2	U	-	2	U	-	2	U	-	2	U	-	2	U	-
5	U	-	5	U	-	5	U	-	5	U	-	5	U	-
5	U	-	5	U	-	5	U	-	5	U	-	5	U	-
20	UJ	-	20	U	-	20	U	-	20	U	-	20	U	-
5	U	-	5	U	-	5	U	-	5	U	-	5	U	-
5	U	-	5	U	-	5	U	-	5	U	-	5	U	-
2	U	-	2	U	-	2	U	-	2	U	-	2	U	-
2	U	-	2	U	-	2	U	-	2	U	-	2	U	-
2	U	-	2	U	-	2	U	-	2	U	-	2	U	-
5	U	-	5	U	-	5	U	-	5	U	-	5	U	-
0.2	U	-	0.2	U	-	0.2	U	-	0.2	U	-	0.2	U	-
0.2	U	-	0.2	U	-	0.2	U	-	0.2	U	-	0.2	U	-
0.09	J	-	0.2	U	-	0.2	U	-	0.2	U	-	0.2	U	-
0.1	J	-	0.2	U	-	0.2	U	-	0.2	U	-	0.2	U	-
0.09	J	-	0.26	U	-	0.2	U	-	0.2	U	-	0.2	U	-
0.25		-	0.2	U	-	0.06	J	-	0.2	U	-	0.2	U	-
0.61		-	0.2	U	-	0.15	J	-	0.2	U	-	0.2	U	-
0.84		-	0.2	U	-	0.16	J	-	0.2	U	-	0.2	U	-
0.74		-	0.2	U	-	0.1	J	-	0.2	U	-	0.2	U	-
0.34		-	0.2	U	-	0.07	J	-	0.2	U	-	0.2	U	-
0.28		-	0.2	U	-	0.06	J	-	0.2	U	-	0.2	U	-
0.18	J	-	0.2	U	-	0.2	U	-	0.2	U	-	0.2	U	-
0.32		-	0.06	J	-	0.08	J	-	0.2	U	-	0.2	U	-
0.2	U	-	0.2	U	-	0.2	U	-	0.2	U	-	0.2	U	-
0.8	U	-	0.8	U	-	0.8	U	-	0.8	U	-	0.8	U	-
0.5	U	-	0.5	U	-	0.5	U	-	0.5	U	-	0.5	U	-
0.8	U	-	0.8	U	-	0.8	U	-	0.8	U	-	0.8	U	-
0.79		-	0.2	U	-	0.21		-	0.2	U	-	0.2	U	-
0.34		-	0.09	J	-	0.22		-	0.07	J	-	0.2	U	-
0.8	UJ	-	0.8	U	-	0.8	U	-	0.8	U	-	0.8	U	-
0.17	J	-	0.07	J	-	0.2	U	-	0.2	U	-	0.2	U	-
0.4		-	0.2	U	-	0.09	J	-	0.2	U	-	0.2	U	-
2070		-	7030		-			-	299	J	-	7.69	J	-
-	10.06	-	-	7.48	-	-	8.12	-	1	U	-	1	U	-
-	52.25	J	-	15.31	-	-	15.09	J	0.5	U	-	0.5	U	-
-	147	-	-	178.6	-	-	111.7	-	0.1	J	-	0.22	J	-
-	0.13	J	-	0.66	J	-	0.5	U	0.5	U	-	0.5	U	-
-	0.68	-	-	6.48	-	-	0.57	U	0.2	U	-	0.2	U	-
141000		-	384000		-	118000		-	100	U	-	40.5	J	-
-	7.65	-	-	53	-	-	3.86	-	0.39	J	-	0.44	J	-
-	2.07	-	-	14.36	-	-	0.66	-	0.5	U	-	0.5	U	-
-	31.53	J	-	497.4	-	-	7.05	J	1	U	-	0.24	J	-
-	4790	J	-	9930	-	-	1230	J	50	U	-	50	U	-
644.2	J	-	5864	-	-	-	110.4	J	1	U	-	0.23	J	-
-	7340	-	-	16600	-	-	6520	-	70	U	-	70	U	-
-	117.6	J	-	490.4	-	-	31.27	J	0.11	J	-	0.54	J	-
3.38	J	-	163.7	-	-	0.55	J	-	0.2	U	-	0.2	U	-
-	7.88	-	-	33	-	-	4.82	-	0.1	J	-	0.18	J	-
-	4320	-	-	8780	-	-	3920	-	100	U	-	100	U	-
-	3.99	J	-	10.4	-	-	3.2	J	5	U	-	5	U	-
-	0.4	U	-	1.51	-	-	0.4	U	0.4	U	-	0.4	U	-
-	15500	-	-	47900	-	-	14400	-	100	U	-	100	U	-
-	0.06	J	-	0.23	J	-	0.5	U	0.5	U	-	0.5	U	-
-	5.88	J	-	15.28	-	-	1.46	J	5	U	-	5	U	-
1124	J	-	2434	-	-	793.8		-	2.05	J	-	1.71	J	-
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5	2.5
0.5	U	-	0.5	U	-	0.5	U	-	0.5	U	0.5	U	0.5	0.5
1.5	U	-	1.5	U	-	1.5	U	-	1.5	U	1.5	U	1.5	1.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5	2.5
0.5	U	-	0.5	U	-	0.5	U	-	0.5	U	0.5	U	0.5	0.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5	2.5
2	U	-	2	U	-	2	U	-	2	U	2	U	2	2
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5	2.5
1.5	J	-	2.5	U	-	1.7	J	-	2.5	U	2.5	U	2.5	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5	2.5
2	U	-	2	U	-	2	U	-	2	U	2	U	2	2
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5	2.5
0.5	U	-	0.5	U	-	0.5	U	-	0.5	U	0.5	U	0.5	0.5
1	U	-	1	U	-	1	U	-	1	U	1	U	1	1
0.81	J	-	2.5	U	-	0.96	J	-	2.5	U	2.5	U	2.5	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5	2.5
1.3	J	-	2	U	-	2	U	-	2	U	2	U	2	2
250	U	-	250	U	-	250	U	-	250	U	250	U	250	250
2.5	UJ	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5	2.5
1.1	J	-	5	U	-	1.1	J	-	5	U	5	U	5	5
5	U	-	5	U	-	5	U	-	5	U	5	U	5	5
2	U	-	2	U	-	2	U	-	2	U	2	U	2	2
5	U	-	5	U	-	5	U	-	5	U	5	U	5	5
11		-	26	J	-	13		-	5	U	1	J	5.4	5
5	U	-	5	U	-	5	U	-	5	U	5	U	5	5
0.5	U	-	0.5	U	-	0.5	U	-	0.5	U	0.5	U	0.5	0.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5	2.5
0.5	U	-	0.5	U	-	0.5	U	-	0.5	U	0.5	U	0.5	0.5
2	U	-	2	U	-	2	U	-	2	U	2	U	2	2
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5	2.5
5	U	-	5	U	-	5	U	-	5	U	5	U	5	5

0.5	U	-	0.5	U	-	0.5	U	-	0.5	U	0.5	U	0.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5
0.5	U	-	0.5	U	-	0.5	U	-	0.5	U	0.5	U	0.5
0.5	U	-	0.5	U	-	0.5	U	-	0.5	U	0.5	U	0.5
5	U	-	5	U	-	5	U	-	5	U	5	U	5
5	U	-	5	U	-	5	U	-	5	U	5	U	5
2.5	U	-	2.5	U	-	0.73	J	-	2.5	U	2.5	U	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5
2.5	WJ	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5
0.5	U	-	0.5	U	-	0.5	U	-	0.5	U	0.5	U	0.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5
0.5	U	-	0.5	U	-	0.5	U	-	0.5	U	0.5	U	0.5
2.5	U	-	2.5	J	-	0.5	U	-	0.5	U	0.5	U	0.5
2.5	U	-	2.5	U	-	2.5	U	-	2.5	U	2.5	U	2.5
5	U	-	5	U	-	5	U	-	5	U	5	U	5
1	U	-	1	U	-	1	U	-	1	U	1	U	1

OB003 8/2/2013		OB003 8/2/2013		OB003 8/2/2013		OB003 8/2/2013		MW004 8/2/2013		MW004 8/2/2013		FB 8/2/2013		TB 8/2/2013	
L1314810-01		L1314810-01 R1		L1314810-01 R3		L1314810-01 R4		L1314810-02		L1314810-02 R1		L1314810-03		L1314810-04	
Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual	
682	-	-	-	-	-	-	-	-	10	UJ	10	U	-	-	-
-	0.5	U	-	-	-	-	-	8.68			0.82	J	-	-	-
-	3.26		-	-	-	-	-	1.5	U		1.5	U	-	-	-
-	133.4		-	-	-	-	-	74			0.5	U	-	-	-
-	0.5	U	-	-	-	-	-	0.5	U		0.5	U	-	-	-
-	0.5	U	-	-	-	-	-	0.06	J		0.5	U	-	-	-
76400	-		-	-	-	-	112000	-			100	U	-	-	-
-	2.1		-	-	-	-	-	0.41	J		0.38	J	-	-	-
-	1.43		-	-	-	-	-	0.85			0.5	U	-	-	-
-	2.27		-	-	-	-	-	4.31			1	U	-	-	-
-	3560		-	-	-	-	-	86.6			15.7	J	-	-	-
-	1.01		-	-	-	-	-	0.42	J		1	U	-	-	-
-	4940		-	-	-	-	-	6720			100	U	-	-	-
-	139.8		-	-	-	-	-	180.6			0.14	J	-	-	-
0.2	U		-	-	-	-	0.2	U			0.2	U	-	-	-
-	2.15		-	-	-	-	-	2.92			0.5	U	-	-	-
-	R	R	-	-	-	-	-	8620			100	U	-	-	-
-	5	U	-	-	-	-	-	5	U		5	U	-	-	-
-	0.5	U	-	-	-	-	-	0.5	U		0.5	U	-	-	-
401000	-		-	-	-	-	52300	-			24.3	J	-	-	-
-	0.5	U	-	-	-	-	-	0.5	U		0.5	U	-	-	-
-	5	U	-	-	-	-	-	5	U		5	U	-	-	-
-	10	U	-	-	-	-	-	24.41			10	U	-	-	-
0.04	U	-	-	-	-	-	0.04	U	-		0.04	U	-	-	-
0.04	U	-	-	-	-	-	0.04	U	-		0.04	U	-	-	-
0.04	U	-	-	-	-	-	0.04	U	-		0.04	U	-	-	-
0.02	U	-	-	-	-	-	0.02	U	-		0.02	U	-	-	-
0.02	U	-	-	-	-	-	0.02	U	-		0.02	U	-	-	-
0.02	U	-	-	-	-	-	0.02	U	-		0.02	U	-	-	-
0.2	U	-	-	-	-	-	0.2	U	-		0.2	U	-	-	-
0.02	U	-	-	-	-	-	0.02	U	-		0.02	U	-	-	-
0.02	U	-	-	-	-	-	0.02	U	-		0.02	U	-	-	-
0.04	U	-	-	-	-	-	0.04	U	-		0.04	U	-	-	-
0.02	U	-	-	-	-	-	0.02	U	-		0.02	U	-	-	-
0.04	U	-	-	-	-	-	0.04	U	-		0.04	U	-	-	-
0.04	U	-	-	-	-	-	0.04	U	-		0.04	U	-	-	-
0.04	U	-	-	-	-	-	0.04	U	-		0.04	U	-	-	-
0.04	U	-	-	-	-	-	0.04	U	-		0.04	U	-	-	-
0.02	U	-	-	-	-	-	0.02	U	-		0.02	U	-	-	-
0.02	U	-	-	-	-	-	0.02	U	-		0.02	U	-	-	-
0.02	U	-	-	-	-	-	0.02	U	-		0.02	U	-	-	-
0.2	U	-	-	-	-	-	0.2	U	-		0.2	U	-	-	-
0.2	U	-	-	-	-	-	0.2	U	-		0.2	U	-	-	-
0.02	U	-	-	-	-	-	0.02	U	-		0.02	U	-	-	-
0.083	U	-	-	-	-	-	0.083	U	-		0.083	U	-	-	-
0.083	U	-	-	-	-	-	0.083	U	-		0.083	U	-	-	-
0.083	U	-	-	-	-	-	0.083	U	-		0.083	U	-	-	-
0.083	U	-	-	-	-	-	0.083	U	-		0.083	U	-	-	-
0.083	U	-	-	-	-	-	0.083	U	-		0.083	U	-	-	-
0.083	U	-	-	-	-	-	0.083	U	-		0.083	U	-	-	-
0.083	U	-	-	-	-	-	0.083	U	-		0.083	U	-	-	-
0.083	U	-	-	-	-	-	0.083	U	-		0.083	U	-	-	-
10	U	-	-	-	-	-	10	U	-		10	U	-	-	-
5	U	-	-	-	-	-	5	U	-		5	U	-	-	-
2	U	-	-	-	-	-	2	U	-		2	U	-	-	-
2	U	-	-	-	-	-	2	U	-		2	U	-	-	-
2	U	-	-	-	-	-	2	U	-		2	U	-	-	-
5	U	-	-	-	-	-	5	U	-		5	U	-	-	-
5	U	-	-	-	-	-	5	U	-		5	U	-	-	-
5	U	-	-	-	-	-	5	U	-		5	U	-	-	-
5	U	-	-	-	-	-	5	UJ	-		5	U	-	-	-
20	U	-	-	-	-	-	20	UJ	-		20	U	-	-	-
5	U	-	-	-	-	-	5	U	-		5	U	-	-	-
5	U	-	-	-	-	-	5	UJ	-		5	U	-	-	-
2	U	-	-	-	-	-	2	U	-		2	U	-	-	-
5	U	-	-	-	-	-	5	U	-		5	U	-	-	-
5	U	-	-	-	-	-	5	UJ	-		5	U	-	-	-
10	U	-	-	-	-	-	10	UJ	-		10	U	-	-	-
5	U	-	-	-	-	-	5	U	-		5	U	-	-	-
5	U	-	-	-	-	-	5	UJ	-		5	U	-	-	-
5	U	-	-	-	-	-	5	U	-		5	U	-	-	-
10	U	-	-	-	-	-	10	U	-		10	U	-	-	-
2	U	-	-	-	-	-	2	U	-		2	U	-	-	-
5	U	-	-	-	-	-	5	U	-		5	U	-	-	-
2	U	-	-	-	-	-	2	U	-		2	U	-	-	-
5	U	-	-	-	-	-	5	UJ	-		5	U	-	-	-
10	U	-	-	-	-	-	10	U	-		10	U	-	-	-
5	U	-	-	-	-	-	5	U	-		5	U	-	-	-
50	U	-	-	-	-	-	50	U	-		50	U	-	-	-
2	U	-	-	-	-	-	2	UJ	-		2	U	-	-	-
2	U	-	-	-	-	-	2	U	-		2	U	-	-	-
5	U	-	-	-	-	-	5	UJ	-		5	U	-	-	-
2	U	-	-	-	-	-	2	U	-		2	U	-	-	-
2	U	-	-	-	-	-	2	U	-		2	U	-	-	-
3	U	-	-	-	-	-	3	U	-		3	U	-	-	-
5	U	-	-	-	-	-	5	UJ	-		5	U	-	-	-

	2	U	-	-	-	2	U	-	2	U	-	-
	5	U	-	-	-	5	U	-	5	U	-	-
	5	U	-	-	-	5	U	-	5	U	-	-
	2	U	-	-	-	2	U	-	2	U	-	-
	5	U	-	-	-	5	U	-	5	U	-	-
	5	U	-	-	-	5	U	-	5	U	-	-
	20	U	-	-	-	20	U	-	20	U	-	-
	5	U	-	-	-	5	U	-	5	U	-	-
	5	U	-	-	-	5	U	-	5	U	-	-
	2	U	-	-	-	2	U	-	2	U	-	-
	2	U	-	-	-	2	U	-	2	U	-	-
	2	U	-	-	-	2	U	-	2	U	-	-
	5	U	-	-	-	5	U	-	5	U	-	-
	0.2	U	-	-	-	0.2	U	-	0.2	U	-	-
	0.35		-	-	-	0.29		-	0.2	U	-	-
	0.95		-	-	-	0.2	U	-	0.2	U	-	-
	0.2	U	-	-	-	0.2	U	-	0.2	U	-	-
	0.16	J	-	-	-	0.07	J	-	0.2	U	-	-
	0.2	U	-	-	-	0.2	U	-	0.2	U	-	-
	0.2	U	-	-	-	0.2	U	-	0.2	U	-	-
	0.2	U	-	-	-	0.2	U	-	0.2	U	-	-
	0.2	U	-	-	-	0.2	U	-	0.2	U	-	-
	0.2	U	-	-	-	0.2	U	-	0.2	U	-	-
	0.2	U	-	-	-	0.2	U	-	0.2	U	-	-
	0.2	U	-	-	-	0.2	U	-	0.2	U	-	-
	0.2	U	-	-	-	0.2	U	-	0.2	U	-	-
	0.92		-	-	-	0.2	U	-	0.2	U	-	-
	0.8	U	-	-	-	0.8	U	-	0.8	U	-	-
	0.5	U	-	-	-	0.5	U	-	0.5	U	-	-
	0.8	U	-	-	-	0.8	U	-	0.8	U	-	-
	0.2	U	-	-	-	0.2	U	-	0.2	U	-	-
	1.2		-	-	-	0.2	U	-	0.2	U	-	-
	0.8	U	-	-	-	0.8	U	-	0.8	U	-	-
	0.11	J	-	-	-	0.08	J	-	0.2	U	-	-
	0.08	J	-	-	-	0.2	U	-	0.2	U	-	-
	-		-	-	18500	-		46.4	10	U	-	-
	-		1.53	U	-	-		6.79	1.55	J	-	-
	-		8.93		-	-		1.5	1.5	U	-	-
	-		276.6		-	-		82.55	0.5	U	-	-
	-		1.09		-	-		0.5	0.5	U	-	-
	-		0.12	J	-	-		0.07	0.5	U	-	-
	81200		-		-	122000		-	100	U	-	-
	-		60.91		-	-		1	1	U	-	-
	-		23.95		-	-		0.94	0.5	U	-	-
	-		47.39		-	-		5.33	1	U	-	-
	56600		-		-	-		216	50	U	-	-
	-		23.12		-	-		1.24	1	U	-	-
	-		8830		-	-		7640	100	U	-	-
	998.7		-		-	-		197.2	0.5	U	-	-
	0.2	U	-		-	0.2	U	-	0.2	U	-	-
	-		40.28		-	-		3.48	0.5	U	-	-
	-		17000		-	-		9680	100	U	-	-
	-		0.66	J	-	-		1.22	5	U	-	-
	-		0.5	U	-	-		0.5	0.5	U	-	-
	394000		-		-	53200		-	100	U	-	-
	-		0.1	J	-	-		0.5	0.5	U	-	-
	-		70.94		-	-		1.59	5	U	-	-
	-		54.69		-	-		29.55	1.75	J	-	-
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	0.5	U	-	-	-	0.5	U	-	0.5	U	0.5	U
U	1.5	U	-	-	-	1.5	U	-	1.5	U	1.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	0.5	U	-	-	-	0.5	U	-	0.5	U	0.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	1.6	J	-	-	-	2	U	-	2	U	2	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2	U	-	-	-	2	U	-	2	U	2	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	0.5	U	-	-	-	0.5	U	-	0.5	U	0.5	U
U	1	U	-	-	-	1	U	-	1	U	1	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2	U	-	-	-	2	U	-	2	U	2	U
U	250	U	-	-	-	250	U	-	250	U	250	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	5	U	-	-	-	5	U	-	5	U	5	U
U	5	U	-	-	-	5	U	-	5	U	5	U
U	2	U	-	-	-	2	U	-	2	U	2	U
U	5	U	-	-	-	5	U	-	5	U	5	U
U	5	U	-	-	-	5	U	-	3.1	J	4.1	J
U	5	U	-	-	-	5	U	-	5	U	5	U
U	9.7		-	-	-	0.5	U	-	0.5	U	0.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	0.5	U	-	-	-	0.5	U	-	0.5	U	0.5	U
U	2	U	-	-	-	2	U	-	2	U	2	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	5	U	-	-	-	5	U	-	5	U	5	U

U	0.5	U	-	-	-	0.5	U	-	0.5	U	0.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	0.5	U	-	-	-	0.5	U	-	0.5	U	0.5	U
U	0.5	U	-	-	-	0.5	U	-	0.5	U	0.5	U
U	5	U	-	-	-	5	U	-	5	U	5	U
U	5	U	-	-	-	5	U	-	5	U	5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	3.4	-	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	1.8	J	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	0.72	J	-	-	-	2.5	U	-	2.5	U	2.5	U
U	3	-	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	1.1	J	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2.5	-	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	0.71	J	-	-	-	2.5	U	-	2.5	U	2.5	U
U	0.77	J	-	-	-	2.5	U	-	2.5	U	2.5	U
U	0.5	U	-	-	-	0.5	U	-	0.5	U	0.5	U
U	4.2	-	-	-	-	2.5	U	-	2.5	U	2.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	0.5	U	-	-	-	0.5	U	-	0.5	U	0.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	0.5	U	-	-	-	0.5	U	-	0.5	U	0.5	U
U	2.5	U	-	-	-	2.5	U	-	2.5	U	2.5	U
U	5	U	-	-	-	5	U	-	5	U	5	U
U	1	U	-	-	-	1	U	-	1	U	1	U

Barium, TCLP	7440-39-3	ug/kg	-	-	-	-	-	-	-	-	-	-		
Cadmium, TCLP	7440-43-9	ug/kg	-	-	-	-	-	-	-	-	-	-		
Chromium, TCLP	7440-47-3	ug/kg	-	-	-	-	-	-	-	-	-	-		
Lead, TCLP	7439-92-1	ug/kg	-	-	-	-	-	-	-	-	-	-		
Mercury, TCLP	7439-97-6	ug/kg	-	-	-	-	-	-	-	-	-	-		
Selenium, TCLP	7782-49-2	ug/kg	-	-	-	-	-	-	-	-	-	-		
Silver, TCLP	7440-22-4	ug/kg	-	-	-	-	-	-	-	-	-	-		
Total Metals - Westborough Lab														
Aluminum, Total	7429-90-5	ug/kg	6300000		6600000	5400000	3200000			6400000		-		
Antimony, Total	7440-36-0	ug/kg	1000	J	12000	28000	2300	J	-	13000		-		
Arsenic, Total	7440-39-2	ug/kg	6400		18000	22000	4400		-	18000		-		
Barium, Total	7440-39-3	ug/kg	150000		120000	180000	120000		-	160000		-		
Beryllium, Total	7440-41-7	ug/kg	260	J	310	400	170	J	-	370	J	-		
Cadmium, Total	7440-43-9	ug/kg	810	U	840	1600	880	U	-	1100		-		
Calcium, Total	7440-70-2	ug/kg	40000000		32000000	35000000	15000000		-	32000000		-		
Chromium, Total	7440-47-3	ug/kg	17000	J	2500000	16000	490000	J	-	48000	J	-		
Cobalt, Total	7440-48-4	ug/kg	4000		6000	6400	2500		-	6100		-		
Copper, Total	7440-50-8	ug/kg	51000	J	140000	79000	54000	J	-	87000	J	-		
Iron, Total	7439-89-6	ug/kg	12000000		16000000	27000000	7200000		-	23000000		-		
Lead, Total	7439-92-1	ug/kg	340000		320000	790000	170000		-	680000		-		
Magnesium, Total	7439-95-4	ug/kg	3600000		1400000	970000	1000000		-	3200000		-		
Manganese, Total	7439-96-5	ug/kg	250000		250000	220000	160000		-	470000		-		
Mercury, Total	7439-97-6	ug/kg	1400	J	720	650	3400	J	-	12000	J	-		
Nickel, Total	7440-02-0	ug/kg	14000		12000	13000	7600		-	14000		-		
Potassium, Total	7440-09-7	ug/kg	1000000		680000	850000	490000		-	850000		-		
Selenium, Total	7782-49-2	ug/kg	490	J	370	1200	1100	J	-	710	J	-		
Silver, Total	7440-22-4	ug/kg	810	U	840	950	2000		-	310	J	-		
Sodium, Total	7440-23-5	ug/kg	450000		170000	250000	340000		-	1100000		-		
Thallium, Total	7440-28-0	ug/kg	1600	U	1700	1900	1800	U	-	1800	U	-		
Vanadium, Total	7440-62-2	ug/kg	14000		18000	21000	9600		-	21000		-		
Zinc, Total	7440-66-6	ug/kg	200000		220000	230000	250000		-	600000		-		
Volatile Organics by 8260/5035 - Westborough Lab														
1,1,1,2-Tetrachloroethane	630-20-6	ug/kg	1	UJ	1.2	U	1.1	U	0.93	U	-	1.1	U	-
1,1,1-Trichloroethane	71-55-6	ug/kg	1	UJ	1.2	U	1.1	U	0.93	U	-	1.1	U	-
1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	1	UJ	1.2	U	1.1	U	0.93	U	-	1.1	U	-
1,1,2-Trichloroethane	79-00-5	ug/kg	1.6	UJ	1.8	U	1.7	U	1.4	U	-	1.6	U	-
1,1-Dichloroethane	75-34-3	ug/kg	1.6	UJ	1.8	U	1.7	U	1.4	U	-	1.6	U	-
1,1-Dichloroethene	75-35-4	ug/kg	1	UJ	1.2	U	1.1	U	0.93	U	-	1.1	U	-
1,1-Dichloropropene	563-58-6	ug/kg	5.2	UJ	6.1	U	5.6	U	4.6	U	-	5.5	U	-
1,2,3-Trichlorobenzene	87-61-6	ug/kg	5.2	UJ	6.1	U	5.6	U	4.6	U	-	5.5	U	-
1,2,3-Trichloropropane	96-18-4	ug/kg	10	UJ	12	U	11	U	9.3	U	-	11	U	-
1,2,4,5-Tetramethylbenzene	95-93-2	ug/kg	4.2	UJ	4.9	U	4.5	U	3.7	U	-	4.4	U	-
1,2,4-Trichlorobenzene	120-82-1	ug/kg	5.2	UJ	6.1	U	5.6	U	4.6	U	-	5.5	U	-
1,2,4-Trimethylbenzene	95-63-6	ug/kg	5.2	UJ	6.1	U	5.6	U	4.6	U	-	5.5	U	-
1,2-Dibromo-3-chloropropane	96-12-8	ug/kg	5.2	UJ	6.1	U	5.6	U	4.6	U	-	5.5	U	-
1,2-Dibromoethane	106-93-4	ug/kg	4.2	UJ	4.9	U	4.5	U	3.7	U	-	4.4	U	-
1,2-Dichlorobenzene	95-50-1	ug/kg	5.2	UJ	6.1	U	5.6	U	4.6	U	-	5.5	U	-
1,2-Dichloroethane	107-06-2	ug/kg	1	UJ	1.2	U	1.1	U	0.93	U	-	1.1	U	-
1,2-Dichloropropane	78-87-5	ug/kg	3.6	UJ	4.3	U	3.9	U	3.2	U	-	3.8	U	-
1,3,5-Trimethylbenzene	108-67-8	ug/kg	5.2	UJ	6.1	U	5.6	U	4.6	U	-	5.5	U	-
1,3-Dichlorobenzene	541-73-1	ug/kg	5.2	UJ	6.1	U	5.6	U	4.6	U	-	5.5	U	-
1,3-Dichloropropane	142-28-9	ug/kg	5.2	UJ	6.1	U	5.6	U	4.6	U	-	5.5	U	-
1,4-Dichlorobenzene	106-46-7	ug/kg	5.2	UJ	6.1	U	5.6	U	4.6	U	-	5.5	U	-
1,4-Diethylbenzene	105-05-5	ug/kg	4.2	UJ	4.9	U	4.5	U	3.7	U	-	4.4	U	-
1,4-Dioxane	123-91-1	ug/kg	100	UJ	120	U	110	U	93	U	-	110	U	-
2,2-Dichloropropane	594-20-7	ug/kg	5.2	UJ	6.1	U	5.6	U	4.6	U	-	5.5	U	-
2-Butanone	78-93-3	ug/kg	10	UJ	12	U	11	U	9.3	U	-	11	U	-
2-Hexanone	591-78-6	ug/kg	10	UJ	12	U	11	U	9.3	U	-	11	U	-
4-Ethyltoluene	622-96-8	ug/kg	4.2	UJ	0.29	J	4.5	U	3.7	U	-	4.4	U	-
4-Methyl-2-pentanone	108-10-1	ug/kg	10	UJ	12	U	11	U	9.3	U	-	11	U	-
Acetone	67-64-1	ug/kg	10	UJ	20		31		9.6		-	19		-
Acrylonitrile	107-13-1	ug/kg	10	UJ	12	U	11	U	9.3	U	-	11	U	-
Benzene	71-43-2	ug/kg	1	UJ	1.2	U	1.1	U	0.93	U	-	1.1	U	-
Bromobenzene	108-86-1	ug/kg	5.2	UJ	6.1	U	5.6	U	4.6	U	-	5.5	U	-
Bromochloromethane	74-97-5	ug/kg	5.2	UJ	6.1	U	5.6	U	4.6	U	-	5.5	U	-
Bromodichloromethane	75-27-4	ug/kg	1	UJ	1.2	U	1.1	U	0.93	U	-	1.1	U	-
Bromoform	75-25-2	ug/kg	4.2	UJ	4.9	U	4.5	U	3.7	U	-	4.4	U	-
Bromomethane	74-83-9	ug/kg	2.1	UJ	2.4	U	2.2	U	1.8	U	-	2.2	U	-
Carbon disulfide	75-15-0	ug/kg	10	UJ	12	U	11	U	9.3	U	-	11	U	-
Carbon tetrachloride	56-23-5	ug/kg	1	UJ	1.2	U	1.1	U	0.93	U	-	1.1	U	-
Chlorobenzene	108-90-7	ug/kg	1	UJ	1.2	U	1.1	U	0.93	U	-	1.1	U	-
Chloroethane	75-00-3	ug/kg	2.1	UJ	2.4	U	2.2	U	1.8	U	-	2.2	U	-
Chloroform	67-66-3	ug/kg	1.6	UJ	1.8	U	1.7	U	1.4	U	-	1.6	U	-
Chloromethane	74-87-3	ug/kg	5.2	UJ	6.1	U	5.6	U	4.6	U	-	5.5	U	-
cis-1,2-Dichloroethene	156-59-2	ug/kg	1	UJ	1.2	U	1.1	U	0.93	U	-	1.1	U	-
cis-1,3-Dichloropropene	10061-01-5	ug/kg	1	UJ	1.2	U	1.1	U	0.93	U	-	1.1	U	-
Dibromochloromethane	124-48-1	ug/kg	1	UJ	1.2	U	1.1	U	0.93	U	-	1.1	U	-
Dibromomethane	74-95-3	ug/kg	10	UJ	12	U	11	U	9.3	U	-	11	U	-
Dichlorodifluoromethane	75-71-8	ug/kg	10	UJ	12	U	11	U	9.3	U	-	11	U	-
Ethyl ether	60-29-7	ug/kg	5.2	UJ	6.1	U	5.6	U	4.6	U	-	5.5	U	-
Ethylbenzene	100-41-4	ug/kg	1	UJ	1.2	U	1.1	U	0.93	U	-	1.1	U	-
Hexachlorobutadiene	87-68-3	ug/kg	5.2	UJ	6.1	U	5.6	U	4.6	U	-	5.5	U	-
Isopropylbenzene	98-82-8	ug/kg	1	UJ	1.2	U	1.1	U	0.93	U	-	1.1	U	-
Methyl tert butyl ether	1634-04-4	ug/kg	2.1	UJ	2.4	U	2.2	U	1.8	U	-	2.2	U	-
Methylene chloride	75-09-2	ug/kg	10	UJ	2.5	J	11	U	3.4	J	-	3.7	J	-
n-Butylbenzene	104-51-8	ug/kg	1	UJ	1.2	U	1.1	U	0.93	U	-	1.1	U	-
n-Propylbenzene	103-65-1	ug/kg	1	UJ	1.2	U	1.1	U	0.93	U	-	1.1	U	-
Naphthalene	91-20-3	ug/kg	5.2	UJ	6.1	U	1.5	J	4.6	U	-	5.5	U	-
o-Chlorotoluene	95-49-8	ug/kg	5.2	UJ	6.1	U	5.6	U	4.6	U	-	5.5	U	-
o-Xylene	95-47-6	ug/kg	2.1	UJ	2.4	U	2.2	U	1.8	U	-	2.2	U	-
p-Chlorotoluene	106-43-4	ug/kg	5.2	UJ	6.1	U	5.6	U	4.6	U	-	5.5	U	-
p-Isopropyltoluene	99-87-6	ug/kg	1	UJ	1.2	U	1.1	U	0.93	U	-	1.1	U	-
p/m-Xylene	179601-23-1	ug/kg	2.1	UJ	0.43	J	2.2	U	1.8	U	-	2.2	U	-
sec-Butylbenzene	135-98-8	ug/kg	1	UJ	1.2	U	1.1	U	0.93	U	-	1.1	U	-
Styrene	100-42-5	ug/kg	2.1	UJ	2.4	U	2.2	U	1.8	U	-	2.2	U	-
tert-Butylbenzene	98-06-6	ug/kg	5.2	UJ	6.1	U	3.2	J	4.6	U	-	5.5	U	-
Tetrachloroethene	127-18-4	ug/kg	1	UJ	1.2	U	1.1	U	0.93	U	-	1.1	U	-
Toluene	108-88-3	ug/kg	1.6	UJ	0.29	J	1.7	U	1.4	U				

118 (10-12') 7/11/2013 1313126-06	SB019 (0-2') 7/11/2013 L1313126-07	SB019 (6-8') 7/11/2013 L1313126-08	SB019 (10-12') 7/11/2013 L1313126-09	SB019 (10-12') 7/11/2013 L1313126-09 R1	SB020 (0-2') 7/11/2013 L1313126-10	SB020 (6-8') 7/11/2013 L1313126-11	SB020 (10-12') 7/11/2013 L1313126-12	SB021 (0-2') 7/11/2013 L1313126-13	SB021 (0-2') 7/11/2013 L1313126-13 R1	SB021 (6-8') 7/11/2013 L1313126-14	S L1313126-15
Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
85.6	86.3	80.3	86.1	-	90.4	93.9	81.2	87.6	-	59.6	
1.82 U	1.79 U	1.9 U	35.3 U	-	34.8 U	8.36 U	38.7 U	8.69 U	-	13 U	
1.82 U	3.28 U	1.9 U	35.3 U	-	34.8 U	8.36 U	38.7 U	3 J	-	13 U	
3.42 U	3.36 U	3.56 U	66.2 U	-	65.3 U	15.7 U	72.6 U	16.3 U	-	24.4 U	
1.82 U	1.79 U	1.9 U	35.3 U	-	34.8 U	8.36 U	38.7 U	8.69 U	-	13 U	
0.759 U	0.747 U	0.792 U	14.7 U	-	14.5 U	3.48 U	16.1 U	3.62 U	-	5.41 U	
1.82 U	1.79 U	1.9 U	35.3 U	-	34.8 U	8.36 U	38.7 U	8.69 U	-	13 U	
14.8 U	14.6 U	15.4 U	287 U	-	283 U	67.9 U	314 U	70.6 U	-	406 U	
2.28 U	2.24 U	2.38 U	44.2 U	-	43.6 U	10.4 U	48.4 U	10.9 U	-	16.2 U	
1.82 U	1.79 U	1.9 U	35.3 U	-	34.8 U	8.36 U	38.7 U	8.69 U	-	13 U	
1.14 U	1.12 U	1.19 U	22.1 U	-	21.8 U	5.22 U	24.2 U	5.43 U	-	8.12 U	
1.82 U	1.79 U	1.9 U	35.3 U	-	34.8 U	8.36 U	38.7 U	8.69 U	-	13 U	
1.82 U	1.79 U	1.9 U	35.3 U	-	34.8 U	8.36 U	38.7 U	8.69 U	-	13 U	
0.759 U	0.747 U	0.792 U	14.7 U	-	14.5 U	3.48 U	16.1 U	3.62 U	-	5.41 U	
0.759 U	0.747 U	0.792 U	14.7 U	-	14.5 U	3.48 U	16.1 U	2.9 J	-	5.41 U	
1.82 U	1.79 U	1.9 U	35.3 U	-	34.8 U	8.36 U	38.7 U	8.69 U	-	13 U	
0.911 U	0.896 U	0.951 U	17.7 U	-	17.4 U	4.18 U	19.4 U	4.35 U	-	6.49 U	
3.42 U	3.36 U	3.56 U	66.2 U	-	65.3 U	15.7 U	72.6 U	16.3 U	-	24.4 U	
0.759 U	0.747 U	0.792 U	14.7 U	-	14.5 U	3.48 U	16.1 U	3.62 U	-	5.41 U	
3.42 U	3.36 U	3.56 U	66.2 U	-	65.3 U	15.7 U	72.6 U	16.3 U	-	24.4 U	
34.2 U	33.6 U	35.6 U	66.2 U	-	65.3 U	15.7 U	72.6 U	16.3 U	-	24.4 U	
2.28 U	2.24 U	2.38 U	44.2 U	-	43.6 U	10.4 U	48.4 U	10.9 U	-	16.2 U	
38 U	37.2 U	39.2 U	36.4 U	-	35.9 U	34.5 U	40.4 U	37.1 U	-	53.2 U	
38 U	37.2 U	39.2 U	36.4 U	-	35.9 U	34.5 U	40.4 U	37.1 U	-	53.2 U	
38 U	37.2 U	39.2 U	36.4 U	-	35.9 U	34.5 U	40.4 U	37.1 U	-	53.2 U	
38 U	37.2 U	39.2 U	36.4 U	-	35.9 U	34.5 U	40.4 U	37.1 U	-	53.2 U	
38 U	37.2 U	39.2 U	36.4 U	-	35.9 U	34.5 U	40.4 U	37.1 U	-	53.2 U	
38 U	37.2 U	39.2 U	36.4 U	-	35.9 U	34.5 U	40.4 U	37.1 U	-	53.2 U	
38 U	37.2 U	39.2 U	36.4 U	-	35.9 U	34.5 U	40.4 U	37.1 U	-	53.2 U	
38 U	37.2 U	39.2 U	36.4 U	-	35.9 U	34.5 U	40.4 U	37.1 U	-	53.2 U	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
110 U	110 U	120 U	230 U	-	110 U	2100 U	120 U	110 U	230 U	3300 U	
170 U	170 U	180 U	340 U	-	160 U	3100 U	180 U	160 U	340 U	4900 U	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
900 U	920 U	980 U	1800 U	-	880 U	17000 U	950 U	880 U	1800 U	26000 U	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
190 U	580 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
230 U	73 J	240 U	30000 E	31000	72 J	4200 U	240 U	190 J	470	2100 J	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
410 U	410 U	440 U	830 U	-	390 U	7600 U	430 U	390 U	830 U	12000 U	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
270 U	280 U	290 U	550 U	-	260 U	5000 U	290 U	260 U	550 U	7900 U	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
490 U	500 U	530 U	990 U	-	480 U	9100 U	520 U	480 U	990 U	14000 U	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
260 U	270 U	280 U	540 U	-	260 U	4900 U	280 U	260 U	540 U	7700 U	
150 U	59 J	160 U	1300 U	-	72 J	2800 U	160 U	56 J	530	2800 J	
150 U	72 J	160 U	310 U	-	40 J	2800 U	160 U	120 J	380	34000	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	62 J	380 U	5500 U	
110 U	160 U	120 U	680 U	-	150 U	2100 U	120 U	1600	2200	56000	
110 U	460 U	120 U	320 U	-	380 U	2100 U	120 U	610	4300	140000	
150 U	490 U	160 U	160 J	-	350 U	2800 U	160 U	630	3800	150000	
110 U	600 U	120 U	230 U	-	470 U	2100 U	120 U	1100	4900	150000	
150 U	390 U	160 U	310 U	-	200 U	2800 U	160 U	430	2500	100000	
110 U	300 U	120 U	230 U	-	150 U	2100 U	120 U	360	2500	58000	
610 U	620 U	660 U	1200 U	-	590 U	11000 U	640 U	590 U	1200 U	18000 U	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
430 U	440 U	460 U	870 U	-	420 U	8000 U	450 U	420 U	870 U	12000 U	
200 U	210 U	220 U	410 U	-	200 U	3800 U	210 U	200 U	410 U	5900 U	
170 U	170 U	180 U	340 U	-	160 U	3100 U	180 U	170 U	340 U	4900 U	
230 U	230 U	240 U	460 U	-	220 U	4200 U	240 U	220 U	460 U	6600 U	
190 U	3600 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
190 U	75 J	200 U	380 U	-	72 J	3500 U	200 U	150 J	620	6600	
110 U	620 U	120 U	470 U	-	440 U	2100 U	120 U	1200	5000	140000	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
110 U	120 U	120 U	230 U	-	89 J	2100 U	120 U	190	530	21000	
190 U	190 U	200 U	380 U	-	70 J	3500 U	200 U	240	380 U	8300	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
35 J	1100 U	120 U	230 U	-	850 U	2100 U	120 U	940	9600	390000 E	
190 U	55 J	200 U	2300 U	-	65 J	3500 U	200 U	130 J	750	7100	
110 U	110 U	120 U	230 U	-	110 U	2100 U	120 U	110 U	230 U	3300 U	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
540 U	550 U	580 U	1100 U	-	520 U	10000 U	570 U	530 U	1100 U	16000 U	
150 U	150 U	160 U	310 U	-	150 U	2800 U	160 U	150 U	300 U	4400 U	
150 U	410 U	160 U	310 U	-	260 U	2800 U	160 U	610 U	2600	94000	
170 U	170 U	180 U	340 U	-	160 U	3100 U	180 U	53 J	340 U	4900 U	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
190 U	170 U	200 U	2800 U	-	160 U	3500 U	200 U	260	830	14000	
170 U	170 U	180 U	340 U	-	160 U	3100 U	180 U	170 U	340 U	4900 U	
150 U	150 U	160 U	310 U	-	150 U	2800 U	160 U	150 U	300 U	4400 U	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
150 U	150 U	160 U	310 U	-	150 U	2800 U	160 U	180 U	380 U	4400 U	
110 U	790 U	120 U	4900 U	-	700 U	2100 U	120 U	1100	7200	210000	
190 U	190 U	200 U	380 U	-	180 U	3500 U	200 U	180 U	380 U	5500 U	
110 U	1000 U	120 U	1200 U	-	710 U	2100 U	120 U	800	8100	350000 E	

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B021 (6-8') 7/11/2013 3126-14 R1	SB021 (10-12') 7/11/2013 L1313126-15	SB022 (0-2') 7/11/2013 L1313126-16	SB022 (6-8') 7/11/2013 L1313126-17	SB022 (10-12') 7/11/2013 L1313126-18	SOIL_DUP_001 7/11/2013 L1313126-19	SB023 (6-8') 7/11/2013 L1313126-27	FD002 7/11/2013 L1313126-28	FD002 7/11/2013 L1313126-28 R1	FD005 7/11/2013 L1313126-29	FD005 7/11/2013 L1313126-29 R1	L1313126-29 R1							
Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual							
-	85.6	91.6	87.8	77.5	86.8	81.2	80.3	-	87.1	-	-							
-	178	U	8.53	U	8.98	U	1.99	U	8.94	U	9.34	U	9.57	U	-	32.3	-	-
-	178	U	3.2	J	6.03	J	1.99	U	8.94	U	9.34	U	9.57	U	-	9.07	U	-
-	334	U	16	U	16.8	U	3.72	U	16.8	U	17.5	U	17.9	U	-	17	U	-
-	178	U	8.53	U	8.98	U	1.99	U	8.94	U	9.34	U	9.57	U	-	9.07	U	-
-	74.2	U	3.55	U	3.74	U	0.828	U	3.72	U	3.89	U	3.99	U	-	3.78	U	-
-	178	U	8.53	U	8.98	U	1.99	U	8.94	U	9.34	U	9.57	U	-	9.07	U	-
-	1450	U	69.3	U	73	U	16.1	U	72.6	U	75.8	U	77.7	U	-	73.7	U	-
-	222	U	10.7	U	11.2	U	2.48	U	11.2	U	11.7	U	12	U	-	11.3	U	-
-	178	U	8.53	U	8.98	U	1.99	U	8.94	U	9.34	U	9.57	U	-	9.07	U	-
-	111	U	5.33	U	5.62	U	1.24	U	5.58	U	5.83	U	5.98	U	-	5.67	U	-
-	178	U	8.53	U	8.98	U	1.99	U	8.94	U	9.34	U	9.57	U	-	9.07	U	-
-	178	U	8.53	U	8.98	U	1.99	U	8.94	U	9.34	U	9.57	U	-	9.07	U	-
-	74.2	U	3.55	U	3.74	U	0.828	U	3.72	U	3.89	U	3.99	U	-	3.78	U	-
-	74.2	U	3.55	U	3.74	U	0.828	U	3.72	U	3.89	U	3.99	U	-	3.78	U	-
-	178	U	8.53	U	8.98	U	1.99	U	8.94	U	9.34	U	9.57	U	-	9.07	U	-
-	89	U	4.26	U	4.49	U	0.993	U	4.47	U	4.67	U	4.78	U	-	4.53	U	-
-	334	U	16	U	16.8	U	3.72	U	16.8	U	17.5	U	17.9	U	-	17	U	-
-	74.2	U	3.55	U	3.74	U	0.828	U	3.72	U	3.89	U	3.99	U	-	3.78	U	-
-	334	U	16	U	16.8	U	3.72	U	16.8	U	17.5	U	17.9	U	-	17	U	-
-	3340	U	160	U	168	U	37.2	U	168	U	175	U	179	U	-	170	U	-
-	222	U	10.7	U	11.2	U	2.48	U	11.2	U	11.7	U	12	U	-	11.3	U	-
-	37.6	U	34.2	U	36.3	U	41.2	U	36.6	U	38.6	U	40.4	U	-	37.2	U	-
-	37.6	U	34.2	U	36.3	U	41.2	U	36.6	U	38.6	U	40.4	U	-	37.2	U	-
-	37.6	U	34.2	U	36.3	U	41.2	U	36.6	U	38.6	U	40.4	U	-	37.2	U	-
-	37.6	U	34.2	U	36.3	U	41.2	U	36.6	U	38.6	U	40.4	U	-	37.2	U	-
-	37.6	U	34.2	U	36.3	U	41.2	U	36.6	U	38.6	U	40.4	U	-	37.2	U	-
-	37.6	U	34.2	U	36.3	U	41.2	U	36.6	U	38.6	U	40.4	U	-	37.2	U	-
-	37.6	U	34.2	U	36.3	U	41.2	U	36.6	U	38.6	U	40.4	U	-	37.2	U	-
-	37.6	U	34.2	U	36.3	U	41.2	U	36.6	U	38.6	U	40.4	U	-	37.2	U	-
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	190	U	360	U	140	J	210	U	190	U	200	U	2000	U	-	-	19000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	120	U	210	U	220	U	130	U	110	U	120	U	1200	U	-	-	11000	U
-	170	U	320	U	340	U	190	U	170	U	180	U	1800	U	-	-	17000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	920	U	1700	U	1800	U	1000	U	920	U	980	U	9800	U	-	-	90000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	230	U	150	J	370	J	260	U	230	U	240	U	5700	U	-	-	18000	J
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	410	U	770	U	810	U	460	U	410	U	440	U	4400	U	-	-	40000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	280	U	520	U	540	U	310	U	270	U	290	U	2900	U	-	-	27000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	500	U	930	U	970	U	560	U	500	U	530	U	5300	U	-	-	48000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	270	U	500	U	520	U	300	U	270	U	280	U	2800	U	-	-	26000	U
-	59	J	270	J	300	U	170	U	150	U	160	U	23000	U	-	-	53000	U
-	150	U	82	J	300	U	170	U	150	U	160	U	1600	U	-	-	15000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	120	U	510	U	130	J	130	U	110	U	120	U	41000	U	-	-	89000	U
-	120	U	1600	U	540	U	130	U	62	J	130	U	68000	U	-	-	150000	U
-	150	U	1400	U	390	U	170	U	53	J	110	J	59000	U	-	-	130000	U
-	120	U	2100	U	800	U	130	U	94	J	170	U	78000	U	-	-	170000	U
-	150	U	1000	U	380	U	170	U	47	J	93	J	31000	U	-	-	67000	U
-	120	U	460	U	280	U	130	U	110	U	50	J	28000	U	-	-	64000	U
-	620	U	1200	U	1200	U	690	U	620	U	660	U	6600	U	-	-	60000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	440	U	820	U	850	U	490	U	430	U	460	U	1700	J	-	-	42000	U
-	210	U	390	U	400	U	230	U	200	U	220	U	2200	U	-	-	20000	U
-	170	U	320	U	340	U	190	U	170	U	180	U	1800	U	-	-	17000	U
-	230	U	430	U	450	U	260	U	230	U	240	U	2400	U	-	-	22000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	190	U	210	J	370	U	210	U	190	U	200	U	21000	U	-	-	19000	U
-	120	U	2100	U	980	U	130	U	53	J	140	U	64000	U	-	-	140000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	120	U	300	U	200	J	130	U	110	U	120	U	9000	U	-	-	20000	U
-	190	U	170	J	370	U	210	U	190	U	200	U	14000	U	-	-	34000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
-	190	U	360	U	370	U	210	U	190	U	200	U	2000	U	-	-	19000	U
380000	120	U	3600	U	980	U	130	U	92	J	250	U	160000	E	180000	-	340000	U
-	190	U	180	J	370	U	210	U	190	U	200	U	23000	U	-	-	49000	U
-	120	U	210	U	220	U	130	U	110	U	120	U	1200	U	-	-	11000	U
-	190	U	360	U	370	U	210	U	190									

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FD007 7/11/2013 L1313126-30	FD009 7/11/2013 L1313126-31	FD015 7/11/2013 L1313126-32	FD015 7/11/2013 L1313126-32 R1	FD_DUP_001 7/11/2013 L1313126-33	Samples were not assessed by the validator.								FD015 7/11/2013 L1314370-05
					FD002 7/11/2013 L1314370-01	FD005 7/11/2013 L1314370-02	FD007 7/11/2013 L1314370-03	FD009 7/11/2013 L1314370-04					
Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
84.4	53.5	65.5	-	81.5	-	-	-	-	-	-	-	-	-
29.8	J	14.7	U	12	U	-	9.62	UJ	-	-	-	-	-
10.4	J	14.7	U	12	U	-	9.62	U	-	-	-	-	-
17.5	U	27.5	U	22.4	U	-	18	U	-	-	-	-	-
9.34	U	14.7	U	12	U	-	9.62	U	-	-	-	-	-
3.89	U	6.12	U	4.98	U	-	4.01	U	-	-	-	-	-
9.34	U	14.7	U	12	U	-	9.62	U	-	-	-	-	-
75.9	U	119	U	97.2	U	-	78.1	U	-	-	-	-	-
11.7	U	18.3	U	14.9	U	-	12	U	-	-	-	-	-
9.34	U	14.7	U	12	U	-	9.62	U	-	-	-	-	-
5.84	U	9.17	U	7.47	U	-	6.01	U	-	-	-	-	-
9.34	U	14.7	U	12	U	-	9.62	U	-	-	-	-	-
9.34	U	14.7	U	12	U	-	9.62	U	-	-	-	-	-
3.89	U	6.12	U	4.98	U	-	4.01	U	-	-	-	-	-
3.89	U	6.12	U	4.98	U	-	4.01	U	-	-	-	-	-
9.34	U	14.7	U	12	U	-	9.62	U	-	-	-	-	-
4.67	U	7.34	U	5.98	U	-	4.81	U	-	-	-	-	-
17.5	U	27.5	U	22.4	U	-	18	U	-	-	-	-	-
3.89	U	6.12	U	4.98	U	-	4.01	U	-	-	-	-	-
17.5	U	27.5	U	22.4	U	-	18	U	-	-	-	-	-
175	U	275	U	224	U	-	180	U	-	-	-	-	-
11.7	U	18.3	U	14.9	U	-	12	U	-	-	-	-	-
38.5	U	60	U	4940	U	-	976	U	-	-	-	-	-
38.5	U	60	U	4940	U	-	976	U	-	-	-	-	-
38.5	U	60	U	4940	U	-	976	U	-	-	-	-	-
38.5	U	60	U	4940	U	-	976	U	-	-	-	-	-
38.5	U	60	U	4940	U	-	976	U	-	-	-	-	-
121	189	4940	U	-	976	U	-	-	-	-	-	-	-
38.5	U	60	U	4940	U	-	976	U	-	-	-	-	-
38.5	U	60	U	4940	U	-	976	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
4600	U	370	U	1500	U	-	4900	U	-	-	-	-	-
6900	U	560	U	2200	U	-	7300	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
37000	U	3000	U	12000	U	-	39000	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
6300	J	740	U	3000	U	-	6200	J	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
17000	U	1300	U	5400	U	-	18000	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
11000	U	890	U	3600	U	-	12000	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
20000	U	1600	U	6500	U	-	21000	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
11000	U	860	U	3500	U	-	11000	U	-	-	-	-	-
26000	790	1600	J	-	29000	U	-	-	-	-	-	-	-
8600	140	J	2000	U	-	8400	-	-	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
54000	1900	3100	-	-	69000	-	-	-	-	-	-	-	-
120000	3300	5100	-	-	140000	-	-	-	-	-	-	-	-
100000	2900	4000	-	-	120000	-	-	-	-	-	-	-	-
130000	3800	5100	-	-	160000	-	-	-	-	-	-	-	-
57000	1700	2600	-	-	69000	-	-	-	-	-	-	-	-
68000	1700	2900	-	-	73000	-	-	-	-	-	-	-	-
25000	U	2000	U	8100	U	-	26000	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
18000	U	1400	U	5700	U	-	19000	U	-	-	-	-	-
8300	U	670	U	2700	U	-	8800	U	-	-	-	-	-
6900	U	560	U	2200	U	-	7300	U	-	-	-	-	-
9200	U	740	U	3000	U	-	9800	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
28000	910	1600	J	-	30000	U	-	-	-	-	-	-	-
110000	3200	4600	-	-	140000	-	-	-	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
16000	500	630	J	-	18000	-	-	-	-	-	-	-	-
16000	440	J	1100	J	-	18000	-	-	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
270000	7300	12000	-	-	320000	-	-	-	-	-	-	-	-
26000	780	1700	J	-	28000	-	-	-	-	-	-	-	-
4600	U	370	U	1500	U	-	4800	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
22000	U	1800	U	7100	U	-	23000	U	-	-	-	-	-
6200	U	490	U	2000	U	-	6500	U	-	-	-	-	-
54000	1500	2200	-	-	65000	-	-	-	-	-	-	-	-
6900	U	560	U	2200	U	-	7300	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
15000	560	U	2200	U	-	16000	-	-	-	-	-	-	-
6900	U	560	U	2200	U	-	7300	U	-	-	-	-	-
6200	U	490	U	2000	U	-	6500	U	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
6200	U	490	U	2000	U	-	6500	U	-	-	-	-	-
180000	5600	11000	-	-	210000	-	-	-	-	-	-	-	-
7700	U	620	U	2500	U	-	8200	U	-	-	-	-	-
220000	5900	9200	-	-	270000	-	-	-	-	-	-	-	-
-	-	-	-	-	-	1000	U	1000	U	1000	U	1000	U

Tier III-Data Validation	All other Samples Tier II	Qualifications	
	KBW9/12/2013		
LOCATION		FD016	FD005
SAMPLING DATE		8/12/2013	8/12/2013
LAB SAMPLE ID		L1315565-01	L1315565-02
SAMPLE TYPE			
SAMPLE DEPTH (ft.)			

	CasNum	NOCRT2 Units		Qual	Qual
General Chemistry - Westborough Lab					
Solids, Total	NONE	%	67.7	57.7	
Organochlorine Pesticides by GC - Westborough Lab					
4,4'-DDD	72-54-8	ug/kg	11.6	U	2.7 U
4,4'-DDE	72-55-9	ug/kg	11.6	U	2.7 U
4,4'-DDT	50-29-3	ug/kg	12.3	J	4.21 J
Aldrin	309-00-2	ug/kg	11.6	U	2.7 U
Alpha-BHC	319-84-6	ug/kg	4.86	U	1.12 U
Beta-BHC	319-85-7	ug/kg	11.6	U	2.7 U
Chlordane	57-74-9	ug/kg	94.7	U	21.9 U
cis-Chlordane	5103-71-9	ug/kg	14.6	U	3.38 U
Delta-BHC	319-86-8	ug/kg	11.6	U	2.7 U
Dieldrin	60-57-1	ug/kg	7.28	U	1.69 U
Endosulfan I	959-98-8	ug/kg	11.6	U	2.7 U
Endosulfan II	33213-65-9	ug/kg	11.6	U	2.7 U
Endosulfan sulfate	1031-07-8	ug/kg	4.86	U	1.12 U
Endrin	72-20-8	ug/kg	4.86	U	1.12 U
Endrin ketone	53494-70-5	ug/kg	11.6	U	2.7 U
Heptachlor	76-44-8	ug/kg	5.83	U	1.35 U
Heptachlor epoxide	1024-57-3	ug/kg	21.8	U	5.06 U
Lindane	58-89-9	ug/kg	4.86	U	1.12 U
Methoxychlor	72-43-5	ug/kg	21.8	U	5.06 U
Toxaphene	8001-35-2	ug/kg	218	U	50.6 U
trans-Chlordane	5103-74-2	ug/kg	14.6	U	3.38 U
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	12674-11-2	ug/kg	47	U	55.7 U
Aroclor 1221	11104-28-2	ug/kg	47	U	55.7 U
Aroclor 1232	11141-16-5	ug/kg	47	U	55.7 U
Aroclor 1242	53469-21-9	ug/kg	47	U	55.7 U
Aroclor 1248	12672-29-6	ug/kg	47	U	55.7 U
Aroclor 1254	11097-69-1	ug/kg	47	U	55.7 U
Aroclor 1260	11096-92-5	ug/kg	98.6	U	55.7 U
Aroclor 1262	37324-23-5	ug/kg	47	U	55.7 U
Aroclor 1268	11100-14-4	ug/kg	47	U	55.7 U
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/kg	2400	U	5700 U
1,2,4-Trichlorobenzene	120-82-1	ug/kg	2400	U	5700 U
1,2-Dichlorobenzene	95-50-1	ug/kg	2400	U	5700 U
1,3-Dichlorobenzene	541-73-1	ug/kg	2400	U	5700 U
1,4-Dichlorobenzene	106-46-7	ug/kg	2400	U	5700 U
2,4,5-Trichlorophenol	95-95-4	ug/kg	2400	U	5700 U
2,4,6-Trichlorophenol	88-06-2	ug/kg	1400	U	3400 U
2,4-Dichlorophenol	120-83-2	ug/kg	2200	U	5200 U
2,4-Dimethylphenol	105-67-9	ug/kg	2400	U	5700 U
2,4-Dinitrophenol	51-28-5	ug/kg	12000	U	28000 U
2,4-Dinitrotoluene	121-14-2	ug/kg	2400	U	5700 U
2,6-Dinitrotoluene	606-20-2	ug/kg	2400	U	5700 U
2-Chloronaphthalene	91-58-7	ug/kg	2400	U	5700 U
2-Chlorophenol	95-57-8	ug/kg	2400	U	5700 U
2-Methylnaphthalene	91-57-6	ug/kg	2900	U	6900 U
2-Methylphenol	95-48-7	ug/kg	2400	U	5700 U
2-Nitroaniline	88-74-4	ug/kg	2400	U	5700 U
2-Nitrophenol	88-75-5	ug/kg	5200	U	12000 U
3,3'-Dichlorobenzidine	91-94-1	ug/kg	2400	U	5700 U
3-Methylphenol/4-Methylphenol	108-39-4	ug/kg	3500	U	8300 U
3-Nitroaniline	99-09-2	ug/kg	2400	U	5700 U
4,6-Dinitro-o-cresol	534-52-1	ug/kg	6300	U	15000 U
4-Bromophenyl phenyl ether	101-55-3	ug/kg	2400	U	5700 U
4-Chloroaniline	106-47-8	ug/kg	2400	U	5700 U
4-Chlorophenyl phenyl ether	7005-72-3	ug/kg	2400	U	5700 U
4-Nitroaniline	100-01-6	ug/kg	2400	U	5700 U
4-Nitrophenol	100-02-7	ug/kg	3400	U	8000 U
Acenaphthene	83-32-9	ug/kg	810	J	4600 U
Acenaphthylene	208-96-8	ug/kg	1900	U	4600 U
Acetophenone	98-86-2	ug/kg	2400	U	5700 U
Anthracene	120-12-7	ug/kg	1100	J	1400 J
Benzo(a)anthracene	56-55-3	ug/kg	3900		4500
Benzo(a)pyrene	50-32-8	ug/kg	3300		3900 J
Benzo(b)fluoranthene	205-99-2	ug/kg	4300		4900
Benzo(ghi)perylene	191-24-2	ug/kg	2000		2500 J
Benzo(k)fluoranthene	207-08-9	ug/kg	2000		2100 J
Benzoic Acid	65-85-0	ug/kg	7800	U	19000 U
Benzyl Alcohol	100-51-6	ug/kg	2400	U	5700 U
Biphenyl	92-52-4	ug/kg	5500	U	13000 U
Bis(2-chloroethoxy)methane	111-91-1	ug/kg	2600	U	6200 U
Bis(2-chloroethyl)ether	111-44-4	ug/kg	2200	U	5200 U
Bis(2-chloroisopropyl)ether	108-60-1	ug/kg	2900	U	6900 U
Bis(2-Ethylhexyl)phthalate	117-81-7	ug/kg	2400	U	5700 U
Butyl benzyl phthalate	85-68-7	ug/kg	2400	U	5700 U
Carbazole	86-74-8	ug/kg	760	J	5700 U
Chrysene	218-01-9	ug/kg	4200		5200
Di-n-butylphthalate	84-74-2	ug/kg	2400	U	5700 U
Di-n-octylphthalate	117-84-0	ug/kg	2400	U	5700 U
Dibenzo(a,h)anthracene	53-70-3	ug/kg	1400	U	3400 U
Dibenzofuran	132-64-9	ug/kg	2400	U	5700 U
Diethyl phthalate	84-66-2	ug/kg	2400	U	5700 U
Dimethyl phthalate	131-11-3	ug/kg	2400	U	5700 U
Fluoranthene	206-44-0	ug/kg	8400		9600
Fluorene	86-73-7	ug/kg	2400	U	5700 U
Hexachlorobenzene	118-74-1	ug/kg	1400	U	3400 U
Hexachlorobutadiene	87-68-3	ug/kg	2400	U	5700 U
Hexachlorocyclopentadiene	77-47-4	ug/kg	6900	U	16000 U
Hexachloroethane	67-72-1	ug/kg	1900	U	4600 U
Indeno(1,2,3-cd)Pyrene	193-39-5	ug/kg	2300		2700 J
Isophorone	78-59-1	ug/kg	2200	U	5200 U
n-Nitrosodi-n-propylamine	621-64-7	ug/kg	2400	U	5700 U
Naphthalene	91-20-3	ug/kg	2400	U	5700 U

Nitrobenzene	98-95-3	ug/kg	2200	U	5200	U
NitrosoDiPhenylAmine(NDPA)/DP	86-30-6	ug/kg	1900	U	4600	U
P-Chloro-M-Cresol	59-50-7	ug/kg	2400	U	5700	U
Pentachlorophenol	87-86-5	ug/kg	1900	U	4600	U
Phenanthrene	85-01-8	ug/kg	6000		7400	
Phenol	108-95-2	ug/kg	2400	U	5700	U
Pyrene	129-00-0	ug/kg	6700		8300	
Total Metals - Westborough Lab						
Aluminum, Total	7429-90-5	ug/kg	5500000		3100000	
Antimony, Total	7440-36-0	ug/kg	7700		6700	U
Arsenic, Total	7440-38-2	ug/kg	28000		13000	
Barium, Total	7440-39-3	ug/kg	530000		170000	
Beryllium, Total	7440-41-7	ug/kg	230	U	130	U
Cadmium, Total	7440-43-9	ug/kg	12000		9900	
Calcium, Total	7440-70-2	ug/kg	5800000		2400000	
Chromium, Total	7440-47-3	ug/kg	240000		28000	
Cobalt, Total	7440-48-4	ug/kg	6700		7400	
Copper, Total	7440-50-8	ug/kg	340000		340000	
Iron, Total	7439-89-6	ug/kg	61000000		1.4E+08	
Lead, Total	7439-92-1	ug/kg	1700000		380000	
Magnesium, Total	7439-95-4	ug/kg	1600000		1100000	
Manganese, Total	7439-96-5	ug/kg	260000		1300000	
Mercury, Total	7439-97-6	ug/kg	3500		6200	
Nickel, Total	7440-02-0	ug/kg	20000		31000	
Potassium, Total	7440-09-7	ug/kg	720000		190000	U
Selenium, Total	7782-49-2	ug/kg	2200	U	2700	U
Silver, Total	7440-22-4	ug/kg	850	J	1600	
Sodium, Total	7440-23-5	ug/kg	160000	U	100000	U
Thallium, Total	7440-28-0	ug/kg	2300	U	2700	U
Vanadium, Total	7440-62-2	ug/kg	73000		39000	
Zinc, Total	7440-66-6	ug/kg	2600000		1000000	
Volatile Organics by 8260/5035 - Westborough Lab						
1,1,1,2-Tetrachloroethane	630-20-6	ug/kg	3.7	U	2.1	U
1,1,1-Trichloroethane	71-55-6	ug/kg	3.7	U	2.1	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	3.7	U	2.1	U
1,1,2-Trichloroethane	79-00-5	ug/kg	5.5	U	3.2	U
1,1-Dichloroethane	75-34-3	ug/kg	5.5	U	3.2	U
1,1-Dichloroethene	75-35-4	ug/kg	3.7	U	2.1	U
1,1-Dichloropropene	563-58-6	ug/kg	18	U	10	U
1,2,3-Trichlorobenzene	87-61-6	ug/kg	18	U	10	U
1,2,3-Trichloropropane	96-18-4	ug/kg	37	U	21	U
1,2,4,5-Tetramethylbenzene	95-93-2	ug/kg	15	U	8.4	U
1,2,4-Trichlorobenzene	120-82-1	ug/kg	18	U	10	U
1,2,4-Trimethylbenzene	95-93-6	ug/kg	18	U	10	U
1,2-Dibromo-3-chloropropane	96-12-8	ug/kg	18	U	10	U
1,2-Dibromoethane	106-93-4	ug/kg	15	U	8.4	U
1,2-Dichlorobenzene	95-50-1	ug/kg	18	U	10	U
1,2-Dichloroethane	107-06-2	ug/kg	3.7	U	2.1	U
1,2-Dichloropropane	78-87-5	ug/kg	13	U	7.4	U
1,3,5-Trimethylbenzene	108-67-8	ug/kg	18	U	10	U
1,3-Dichlorobenzene	541-73-1	ug/kg	18	U	10	U
1,3-Dichloropropane	142-28-9	ug/kg	18	U	10	U
1,4-Dichlorobenzene	106-46-7	ug/kg	18	U	10	U
1,4-Diethylbenzene	105-05-5	ug/kg	15	U	8.4	U
1,4-Dioxane	123-91-1	ug/kg	370	U	210	U
2,2-Dichloropropane	594-20-7	ug/kg	18	U	10	U
2-Butanone	78-93-3	ug/kg	37	U	5.6	J
2-Hexanone	591-78-6	ug/kg	37	U	21	U
4-Ethyltoluene	622-96-8	ug/kg	15	U	8.4	U
4-Methyl-2-pentanone	108-10-1	ug/kg	37	U	21	U
Acetone	67-64-1	ug/kg	37	U	71	
Acrylonitrile	107-13-1	ug/kg	37	U	21	U
Benzene	71-43-2	ug/kg	3.7	U	2.1	U
Bromobenzene	108-86-1	ug/kg	18	U	10	U
Bromochloromethane	74-97-5	ug/kg	18	U	10	U
Bromodichloromethane	75-27-4	ug/kg	3.7	U	2.1	U
Bromoform	75-25-2	ug/kg	15	U	8.4	U
Bromomethane	74-83-9	ug/kg	7.4	U	4.2	UJ
Carbon disulfide	75-15-0	ug/kg	37	U	21	U
Carbon tetrachloride	56-23-5	ug/kg	3.7	U	2.1	U
Chlorobenzene	108-90-7	ug/kg	3.7	U	2.1	U
Chloroethane	75-00-3	ug/kg	7.4	U	4.2	U
Chloroform	67-66-3	ug/kg	5.5	U	3	J
Chloromethane	74-87-3	ug/kg	18	U	10	U
cis-1,2-Dichloroethene	156-59-2	ug/kg	3.7	U	2.1	U
cis-1,3-Dichloropropene	10061-01-5	ug/kg	3.7	U	2.1	U
Dibromochloromethane	124-48-1	ug/kg	3.7	U	2.1	U
Dibromomethane	74-95-3	ug/kg	37	U	21	U
Dichlorodifluoromethane	75-71-8	ug/kg	37	U	21	U
Ethyl ether	60-29-7	ug/kg	18	U	10	U
Ethylbenzene	100-41-4	ug/kg	3.7	U	2.1	U
Hexachlorobutadiene	87-68-3	ug/kg	18	U	10	U
Isopropylbenzene	98-82-8	ug/kg	3.7	U	2.1	U
Methyl tert butyl ether	1634-04-4	ug/kg	7.4	U	4.2	U
Methylene chloride	75-09-2	ug/kg	37	U	21	U
n-Butylbenzene	104-51-8	ug/kg	3.7	U	2.1	U
n-Propylbenzene	103-65-1	ug/kg	3.7	U	2.1	U
Naphthalene	91-20-3	ug/kg	18	U	10	U
o-Chlorotoluene	95-49-8	ug/kg	18	U	10	U
o-Xylene	95-47-6	ug/kg	7.4	U	4.2	U
p-Chlorotoluene	106-43-4	ug/kg	18	U	10	U
p-Isopropyltoluene	99-87-6	ug/kg	3.7	U	2.1	U
p/m-Xylene	179601-23-1	ug/kg	7.4	U	4.2	U
sec-Butylbenzene	135-98-8	ug/kg	3.7	U	2.1	U
Styrene	100-42-5	ug/kg	7.4	U	4.2	U
tert-Butylbenzene	98-06-6	ug/kg	18	U	10	U
Tetrachloroethene	127-18-4	ug/kg	3.7	U	2.1	U
Toluene	108-88-3	ug/kg	5.5	U	3	J
trans-1,2-Dichloroethene	156-60-5	ug/kg	5.5	U	3.2	U
trans-1,3-Dichloropropene	10061-02-6	ug/kg	3.7	U	2.1	U
trans-1,4-Dichloro-2-butene	110-57-6	ug/kg	18	U	10	U
Trichloroethene	79-01-6	ug/kg	3.7	U	2.1	U
Trichlorofluoromethane	75-69-4	ug/kg	18	U	10	U
Vinyl acetate	108-05-4	ug/kg	37	U	21	U
Vinyl chloride	75-01-4	ug/kg	7.4	U	4.2	U

Tier II-Data Validation		Qualifications																		
LOCATION		GW011		GW011		GW013		GW013		MW003		MW003		MW001		MW001 B-SURFACE VAULT		B-SURFACE VAULT		
SAMPLING DATE		12/7/2012	12/7/2012	12/7/2012	12/7/2012	12/7/2012	12/7/2012	12/7/2012	12/7/2012	12/19/2012	12/19/2012	12/19/2012	12/19/2012	12/19/2012	12/19/2012	7/9/2013	7/9/2013	7/9/2013	7/9/2013	
LAB SAMPLE ID	CasNum	L1222284-09	L1222284-09 R1	L1222284-10	L1222284-10 R1	L1222284-10	L1222284-10 R1	L1222284-10	L1222284-10 R1	L1223077-01	L1223077-01 R1	L1223077-01	L1223077-01 R1	L1223077-02	L1223077-02 R1	L1223077-02 R1	L1223077-02 R1	L1223077-02 R1	L1223077-02 R1	
		Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
Dissolved Metals - Westborough Lab																				
Aluminum, Dissolved	7429-90-5	ug/l	100 U	-	100 U	-	200 U	-	200 U	-	200 U	-	200 U	-	200 U	-	-	-	-	-
Antimony, Dissolved	7440-36-0	ug/l	5 U	-	5 U	-	30 U	-	30 U	-	30 U	-	30 U	-	30 U	-	-	-	-	-
Arsenic, Dissolved	7440-38-2	ug/l	4.5 J	-	2.1 J	-	10 U	-	10 U	-	5.7 J	-	5.7 J	-	5.7 J	-	-	-	-	-
Barium, Dissolved	7440-39-3	ug/l	293.7	-	165.5	-	70.6 U	-	70.6 U	-	296.2	-	296.2	-	296.2	-	-	-	-	-
Beryllium, Dissolved	7440-41-7	ug/l	5 U	-	5 U	-	10 U	-	10 U	-	10 U	-	10 U	-	10 U	-	-	-	-	-
Cadmium, Dissolved	7440-43-9	ug/l	2 U	-	2 U	-	10 U	-	10 U	-	10 U	-	10 U	-	10 U	-	-	-	-	-
Calcium, Dissolved	7440-70-2	ug/l	112000	-	199000	-	72000	-	72000	-	200000	-	200000	-	200000	-	-	-	-	-
Chromium, Dissolved	7440-47-3	ug/l	2.7 J	-	10 U	-	20 U	-	20 U	-	20 U	-	20 U	-	20 U	-	-	-	-	-
Cobalt, Dissolved	7440-48-4	ug/l	2.8 J	-	1.1 J	-	10 U	-	10 U	-	2.1 J	-	2.1 J	-	2.1 J	-	-	-	-	-
Copper, Dissolved	7440-50-8	ug/l	10 U	-	10 U	-	20 U	-	20 U	-	20 U	-	20 U	-	20 U	-	-	-	-	-
Iron, Dissolved	7439-89-6	ug/l	684	-	728	-	6370 J	-	6370 J	-	10100 J	-	10100 J	-	10100 J	-	-	-	-	-
Lead, Dissolved	7439-92-1	ug/l	10 U	-	10 U	-	20 U	-	20 U	-	4.9 J	-	4.9 J	-	4.9 J	-	-	-	-	-
Magnesium, Dissolved	7439-95-4	ug/l	23900	-	5650	-	24000	-	24000	-	54600	-	54600	-	54600	-	-	-	-	-
Manganese, Dissolved	7439-96-5	ug/l	2574	-	101.3	-	421.4	-	421.4	-	443	-	443	-	443	-	-	-	-	-
Mercury, Dissolved	7439-97-6	ug/l	0.1 J	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	-	-	-	-
Nickel, Dissolved	7440-02-0	ug/l	4.4 J	-	4.9 J	-	3.1 J	-	3.1 J	-	3 J	-	3 J	-	3 J	-	-	-	-	-
Potassium, Dissolved	7440-09-7	ug/l	37800	-	10600	-	25100	-	25100	-	37600	-	37600	-	37600	-	-	-	-	-
Selenium, Dissolved	7782-49-2	ug/l	12 J	-	14 J	-	100 U	-	100 U	-	100 U	-	100 U	-	100 U	-	-	-	-	-
Silver, Dissolved	7440-22-4	ug/l	4 U	-	4 U	-	10 U	-	10 U	-	18.1	-	18.1	-	18.1	-	-	-	-	-
Sodium, Dissolved	7440-23-5	ug/l	165000	-	26500	-	105000	-	105000	-	301000	-	301000	-	301000	-	-	-	-	-
Thallium, Dissolved	7440-28-0	ug/l	5 U	-	5 U	-	20 U	-	20 U	-	20 U	-	20 U	-	20 U	-	-	-	-	-
Vanadium, Dissolved	7440-62-2	ug/l	2.3 J	-	1.6 J	-	100 U	-	100 U	-	100 U	-	100 U	-	100 U	-	-	-	-	-
Zinc, Dissolved	7440-66-6	ug/l	100 U	-	100 U	-	200 U	-	200 U	-	200 U	-	200 U	-	200 U	-	-	-	-	-
Organochlorine Pesticides by GC - Westborough Lab																				
4,4'-DDD	72-54-8	ug/l	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.023 J	J	-	-
4,4'-DDE	72-55-9	ug/l	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	U	-	-
4,4'-DDT	50-29-3	ug/l	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	U	-	-
Aldrin	309-00-2	ug/l	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	U	-	-
Alpha-BHC	319-84-6	ug/l	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	U	-	-
Beta-BHC	319-85-7	ug/l	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	U	-	-
Chlordane	57-74-9	ug/l	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	U	-	-
cis-Chlordane	5103-71-9	ug/l	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	U	-	-
Delta-BHC	319-86-8	ug/l	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	U	-	-
Dieldrin	60-57-1	ug/l	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	U	-	-
Endosulfan I	959-98-8	ug/l	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	U	-	-
Endosulfan II	33213-65-9	ug/l	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.011 J	J	-	-
Endosulfan sulfate	1031-07-8	ug/l	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	U	-	-
Endrin	72-20-8	ug/l	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	U	-	-
Endrin ketone	53494-70-5	ug/l	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	-	0.04 U	U	-	-
Heptachlor	76-44-8	ug/l	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	U	-	-
Heptachlor epoxide	1024-57-3	ug/l	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	U	-	-
Lindane	58-89-9	ug/l	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	U	-	-
Methoxychlor	72-43-5	ug/l	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	U	-	-
Toxaphene	8001-35-2	ug/l	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	-	0.2 U	U	-	-
trans-Chlordane	5103-74-2	ug/l	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	-	0.02 U	U	-	-
Polychlorinated Biphenyls by GC - Westborough Lab																				
Aroclor 1016	12674-11-2	ug/l	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	U	-	-
Aroclor 1221	11104-28-2	ug/l	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	U	-	-
Aroclor 1232	11141-16-5	ug/l	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	U	-	-
Aroclor 1242	53469-21-9	ug/l	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	U	-	-
Aroclor 1248	12672-29-6	ug/l	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	U	-	-
Aroclor 1254	11097-69-1	ug/l	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	U	-	-
Aroclor 1260	11096-82-5	ug/l	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	-	0.083 U	U	-	-
Aroclor 1262	37324-23-5	ug/l	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.083 U	U	-	
Aroclor 1268	11100-14-4	ug/l	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.083 U	U	-	
Semivolatile Organics by GC/MS - Westborough Lab																				
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	10 U	-	10 U	-	10 U	-	10 U	-	10 U	-	10 U	-	10 U	-	10 U	U	-	-
1,2,4-Trichlorobenzene	120-82-1	ug/l	5 U	-	5 U	-	5 U	-	5 U	-	5 U	-	5 U	-	5 U	-	5 U	U	-	-
1,2-Dichlorobenzene	95-50-1	ug/l	2 U	-	2 U	-	2 U	-	2 U	-	2 U	-	2 U	-	2 U	-	2 U	U	-	-
1,3-Dichlorobenzene	541-73-1	ug/l	2 U	-	2 U	-	2 U	-	2 U	-	2 U	-	2 U	-	2 U	-	2 U	U	-	-
1,4-Dichlorobenzene	106-46-7	ug/l	2 U	-	2 U	-	2 U	-	2 U	-	2 U	-	2 U	-	2 U	-	2 U	U	-	-
2,4,5-Trichlorophenol	95-95-4	ug/l	5 U	-	5 U	-	5 U	-	5 U	-	5 U	-	5 U	-	5 U	-	5 U	U	-	-
2,4,6-Trichlorophenol	88-06-2	ug/l	5 U	-	5 U	-	5 U	-	5 U	-	5 U	-	5 U	-	5 U	-	5 U	U	-	-
2,4-Dichlorophenol	120-83-2	ug/l	5 U	-	5 U	-	5 U	-	5 U	-	5 U	-	5 U	-	5 U	-	5 U	U	-	-
2,4-Dimethylphenol	105-67-9	ug/l	5 U	-	5 U	-	5 U	-	5 U	-	5 U	-	5 U	-	5 U	-	5 U	U	-	-
2,4-Dinitrophenol	51-28-5	ug/l	20 U	-	20 U	-	20 U	-	20 U	-	20 U	-	20 U	-						

Barium, Total	7440-39-3	ug/l	-	2140	-	1279	165	-	577.8	-	-	17.53	-
Beryllium, Total	7440-41-7	ug/l	-	6.9	-	8.8	5	U	5	U	-	0.5	U
Cadmium, Total	7440-43-9	ug/l	-	1.8	J	11.7	5	U	5	U	-	5.73	-
Calcium, Total	7440-70-2	ug/l	-	186000	-	314000	76800	-	198000	-	-	15600	-
Chromium, Total	7440-47-3	ug/l	-	84.9	-	204.3	6.1	J	17.3	-	-	1.65	J
Cobalt, Total	7440-48-4	ug/l	-	122.5	-	97.9	1.1	J	5.14	-	-	5.14	-
Copper, Total	7440-50-8	ug/l	-	105	-	414.6	8	J	19.2	-	-	16.15	-
Iron, Total	7439-89-6	ug/l	-	170000	-	187000	29300	-	53700	-	-	328	-
Lead, Total	7439-92-1	ug/l	-	262.3	J	1519	6.5	J	433.6	-	-	45.9	-
Magnesium, Total	7439-95-4	ug/l	-	39400	-	42500	25300	-	55000	-	-	1350	-
Manganese, Total	7439-96-5	ug/l	10280	-	5075	-	549	-	642.6	-	575.6	-	-
Mercury, Total	7439-97-6	ug/l	-	124.6	-	107.4	0.2	U	0.5	-	0.2	U	-
Nickel, Total	7440-02-0	ug/l	-	108.1	-	207.1	4.3	J	9.7	-	-	3.08	-
Potassium, Total	7440-09-7	ug/l	-	61900	-	25900	27600	-	40000	-	-	2790	-
Selenium, Total	7782-49-2	ug/l	-	7	J	27	50	U	50	U	-	5	U
Silver, Total	7440-22-4	ug/l	-	2.3	J	1.5	5	U	5	U	-	0.4	U
Sodium, Total	7440-23-5	ug/l	-	154000	-	23200	110000	-	299000	-	-	5450	-
Thallium, Total	7440-28-0	ug/l	-	1	J	2.5	10	U	10	U	-	0.5	U
Vanadium, Total	7440-62-2	ug/l	-	123.2	-	285.2	50	U	16.2	J	-	2.07	J
Zinc, Total	7440-66-6	ug/l	-	448.6	-	39180	15.3	J	33.5	J	556.1	-	-
Volatile Organics by GC/MS - Westborough Lab													
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
1,1,1-Trichloroethane	71-55-6	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	0.5	U	-	0.5	U	-	0.5	U	-	0.5	U
1,1,2-Trichloroethane	79-00-5	ug/l	1.5	U	-	1.5	U	-	1.5	U	-	1.5	U
1,1-Dichloroethane	75-34-3	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
1,1-Dichloroethene	75-35-4	ug/l	0.5	U	-	0.5	U	-	0.5	U	-	0.5	U
1,1-Dichloropropene	563-58-6	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
1,2,3-Trichlorobenzene	87-61-6	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
1,2,3-Trichloropropane	96-18-4	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
1,2,4,5-Tetramethylbenzene	95-93-2	ug/l	2	U	-	2	U	-	3.8	U	-	2	U
1,2,4-Trichlorobenzene	120-82-1	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
1,2,4-Trimethylbenzene	95-63-6	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
1,2-Dibromoethane	106-93-4	ug/l	2	U	-	2	U	-	2	U	-	2	U
1,2-Dichlorobenzene	95-50-1	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
1,2-Dichloroethane	107-06-2	ug/l	0.5	U	-	0.5	U	-	0.5	U	-	0.5	U
1,2-Dichloropropane	78-87-5	ug/l	1	U	-	1	U	-	1	U	-	1	U
1,3,5-Trimethylbenzene	108-67-8	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
1,3-Dichlorobenzene	541-73-1	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
1,3-Dichloropropane	142-28-9	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
1,4-Dichlorobenzene	106-46-7	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
1,4-Diethylbenzene	105-05-5	ug/l	2	U	-	2	U	-	2	U	-	2	U
1,4-Dioxane	123-91-1	ug/l	250	U	-	250	U	-	250	U	-	250	U
2,2-Dichloropropane	594-20-7	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
2-Butanone	78-93-3	ug/l	4.4	J	-	5	U	-	5	U	-	5	U
2-Hexanone	591-78-6	ug/l	5	U	-	5	U	-	5	U	-	5	U
4-Ethyltoluene	622-96-8	ug/l	2	U	-	2	U	-	2	U	-	2	U
4-Methyl-2-pentanone	108-10-1	ug/l	5	U	-	5	U	-	5	U	-	5	U
Acetone	67-64-1	ug/l	31	-	-	3.4	J	-	2.2	J	-	1.3	J
Acrylonitrile	107-13-1	ug/l	5	U	-	5	U	-	5	U	-	5	U
Benzene	71-43-2	ug/l	0.22	J	-	0.2	J	-	0.5	U	-	0.5	U
Bromobenzene	108-86-1	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
Bromochloromethane	74-97-5	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
Bromodichloromethane	75-27-4	ug/l	0.5	U	-	0.5	U	-	0.5	U	-	0.5	U
Bromoform	75-25-2	ug/l	2	U	-	2	U	-	2	U	-	2	U
Bromomethane	74-83-9	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
Carbon disulfide	75-15-0	ug/l	5	U	-	5	U	-	5	U	-	5	U
Carbon tetrachloride	56-23-5	ug/l	0.5	U	-	0.5	U	-	0.5	U	-	0.5	U
Chlorobenzene	108-90-7	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
Chloroethane	75-00-3	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
Chloroform	67-66-3	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
Chloromethane	74-87-3	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
cis-1,2-Dichloroethene	156-59-2	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.5	U	-	0.5	U	-	0.5	U	-	0.5	U
Dibromochloromethane	124-48-1	ug/l	0.5	U	-	0.5	U	-	0.5	U	-	0.5	U
Dibromomethane	74-95-3	ug/l	5	U	-	5	U	-	5	U	-	5	U
Dichlorodifluoromethane	75-71-8	ug/l	5	U	-	5	U	-	5	U	-	5	U
Ethyl ether	60-29-7	ug/l	2.5	U	-	2.5	U	-	1.6	J	-	2.5	U
Ethylbenzene	100-41-4	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
Hexachlorobutadiene	87-68-3	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
Isopropylbenzene	98-82-8	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
Methyl tert butyl ether	1634-04-4	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
Methylene chloride	75-09-2	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
n-Butylbenzene	104-51-8	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
n-Propylbenzene	103-65-1	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
Naphthalene	91-20-3	ug/l	5.1	-	-	30	-	-	0.76	J	-	2.4	J
o-Chlorotoluene	95-49-8	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
o-Xylene	95-47-6	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
p-Chlorotoluene	106-43-4	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
p-Isopropyltoluene	99-87-6	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
p/m-Xylene	179601-23-1	ug/l	2.5	U	-	2.5	U	-	0.88	J	-	2.5	U
sec-Butylbenzene	135-98-8	ug/l	2.5	U	-	2.5	U	-	4	-	-	2.5	U
Styrene	100-42-5	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
tert-Butylbenzene	98-06-6	ug/l	2.5	U	-	2.5	U	-	2	J	-	2.5	U
Tetrachloroethene	127-18-4	ug/l	0.5	U	-	0.5	U	-	0.5	U	-	0.5	U
Toluene	108-88-3	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
trans-1,2-Dichloroethene	156-60-5	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.5	U	-	0.5	U	-	0.5	U	-	0.5	U
trans-1,4-Dichloro-2-butene	110-57-6	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
Trichloroethene	79-01-6	ug/l	0.5	U	-	0.5	U	-	0.5	U	-	0.5	U
Trichlorofluoromethane	75-69-4	ug/l	2.5	U	-	2.5	U	-	2.5	U	-	2.5	U
Vinyl acetate	108-05-4	ug/l	5	U	-	5	U	-	5	U	-	5	U
Vinyl chloride	75-01-4	ug/l	1	U	-	1	U	-	1	U	-	1	U

Tier II-Data Validation		Qualifications									
LOCATION	SB010 (14-16)	SB010 (14-16)	SB011 (8-10)	SB012 (8-10)	SB013 (6-8)	SB013 (6-8)	SB013 (6-8)	SB013 (6-8)	SB009 (8-10)		
SAMPLING DATE	12/7/2012	12/7/2012	12/7/2012	12/7/2012	12/7/2012	12/7/2012	12/7/2012	12/7/2012	12/7/2012		
LAB SAMPLE ID	L1222284-01	L1222284-01 R1	L1222284-02	L1222284-03	L1222284-04	L1222284-04 R1	L1222284-04 R2	L1222284-05			
SAMPLE TYPE											
SAMPLE DEPTH (ft.)											
CasNum	NOCRT2 Units	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
General Chemistry - Westborough Lab											
Solids, Total	NONE	%	82	-	86	85	85	-	-	84	
Organochlorine Pesticides by GC - Westborough Lab											
4,4'-DDD	72-54-8	ug/kg	1.84	U	1.76	U	1.81	U	1.77	UJ	
4,4'-DDE	72-55-9	ug/kg	1.84	U	1.76	U	1.81	U	1.77	UJ	
4,4'-DDT	50-29-3	ug/kg	3.44	U	3.29	U	3.31	UJ	2.33	U	
Aldrin	309-00-2	ug/kg	1.84	U	1.76	U	1.81	U	1.77	UJ	
Alpha-BHC	319-84-6	ug/kg	0.765	U	0.732	U	0.754	U	0.736	UJ	
Beta-BHC	319-85-7	ug/kg	1.84	U	1.76	U	1.81	U	1.77	UJ	
Chlordane	57-74-9	ug/kg	14.9	U	14.3	U	14.7	U	14.4	UJ	
cis-Chlordane	5103-71-9	ug/kg	2.3	U	2.2	U	2.26	U	2.21	UJ	
Delta-BHC	319-86-8	ug/kg	1.84	U	1.76	U	1.81	U	1.77	UJ	
Dieldrin	60-57-1	ug/kg	1.15	U	1.1	U	1.13	U	1.1	UJ	
Endosulfan I	959-98-8	ug/kg	1.84	U	1.76	U	1.81	U	1.77	UJ	
Endosulfan II	33213-65-9	ug/kg	1.84	U	1.76	U	1.81	U	1.77	UJ	
Endosulfan sulfate	1031-07-8	ug/kg	0.765	U	0.732	U	0.754	U	0.736	UJ	
Endrin	72-20-8	ug/kg	0.765	U	0.732	U	0.754	U	0.736	UJ	
Endrin ketone	53494-70-5	ug/kg	1.84	U	1.76	U	1.81	U	1.77	UJ	
Heptachlor	76-44-8	ug/kg	0.918	U	0.878	U	0.905	U	0.883	UJ	
Heptachlor epoxide	1024-57-3	ug/kg	3.44	U	3.29	U	3.31	UJ	2.33	U	
Lindane	58-89-9	ug/kg	0.765	U	0.732	U	0.754	U	0.736	UJ	
Methoxychlor	72-43-5	ug/kg	3.44	U	3.29	U	3.31	UJ	2.33	U	
Toxaphene	8001-35-2	ug/kg	34.4	U	32.9	U	33.9	U	33.1	UJ	
trans-Chlordane	5103-74-2	ug/kg	2.3	U	2.2	U	2.26	U	2.21	UJ	
Petroleum Hydrocarbon Identification by GC-FID - Mansfield Lab											
Total Petroleum Hydrocarbons (C10-NONE)	ug/kg	-	-	-	-	-	-	-	-	-	
Polychlorinated Biphenyls by GC - Westborough Lab											
Aroclor 1016	12674-11-2	ug/kg	38.7	U	37.3	U	37.6	U	37.8	U	
Aroclor 1221	11104-28-2	ug/kg	38.7	U	37.3	U	37.6	U	37.8	U	
Aroclor 1232	11141-16-5	ug/kg	38.7	U	37.3	U	37.6	U	37.8	U	
Aroclor 1242	53469-21-9	ug/kg	38.7	U	37.3	U	37.6	U	37.8	U	
Aroclor 1248	12672-29-6	ug/kg	38.7	U	37.3	U	37.6	U	37.8	U	
Aroclor 1254	11097-69-1	ug/kg	38.7	U	37.3	U	37.6	U	37.8	U	
Aroclor 1260	11096-82-5	ug/kg	38.7	U	37.3	U	37.6	U	37.8	U	
Semivolatile Organics by GC/MS - Westborough Lab											
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/kg	200	U	190	U	200	U	3900	U	
1,2,4-Trichlorobenzene	120-82-1	ug/kg	200	U	190	U	200	U	3900	U	
1,2-Dichlorobenzene	95-50-1	ug/kg	200	U	190	U	200	U	3900	U	
1,3-Dichlorobenzene	541-73-1	ug/kg	200	U	190	U	200	U	3900	U	
1,4-Dichlorobenzene	106-46-7	ug/kg	200	U	190	U	200	U	3900	U	
2,4,5-Trichlorophenol	95-95-4	ug/kg	200	U	190	U	200	U	3900	U	
2,4,6-Trichlorophenol	88-06-2	ug/kg	120	U	110	U	120	U	2300	U	
2,4-Dichlorophenol	120-83-2	ug/kg	180	U	170	U	180	U	3500	U	
2,4-Dimethylphenol	105-67-9	ug/kg	200	U	190	U	200	U	3900	U	
2,4-Dinitrophenol	51-28-5	ug/kg	960	U	900	U	940	U	19000	U	
2,4-Dinitrotoluene	121-14-2	ug/kg	200	U	190	U	200	U	3900	U	
2,6-Dinitrotoluene	606-20-2	ug/kg	200	U	190	U	200	U	3900	U	
2-Chloronaphthalene	91-58-7	ug/kg	200	U	190	U	200	U	3900	U	
2-Chlorophenol	95-57-8	ug/kg	200	U	190	U	200	U	3900	U	
2-Methylnaphthalene	91-57-6	ug/kg	240	U	220	U	230	U	5100	U	
2-Methylphenol	95-48-7	ug/kg	200	U	190	U	200	U	3900	U	
2-Nitroaniline	88-74-4	ug/kg	200	U	190	U	200	U	3900	U	
2-Nitrophenol	88-75-5	ug/kg	430	U	400	U	420	U	8400	U	
3,3'-Dichlorobenzidine	91-94-1	ug/kg	200	U	190	U	200	U	3900	U	
3-Methylphenol/4-Methylphenol	108-39-4	ug/kg	290	U	270	U	280	U	5600	U	
3-Nitroaniline	99-09-2	ug/kg	200	U	190	U	200	U	3900	U	
4,6-Dinitro-o-cresol	534-52-1	ug/kg	520	U	490	U	510	U	10000	U	
4-Bromophenyl phenyl ether	101-55-3	ug/kg	200	U	190	U	200	U	3900	U	
4-Chloroaniline	106-47-8	ug/kg	200	U	190	U	200	U	3900	UJ	
4-Chlorophenyl phenyl ether	7005-72-3	ug/kg	200	U	190	U	200	U	3900	U	
4-Nitroaniline	100-01-6	ug/kg	200	U	190	U	200	U	3900	U	
4-Nitrophenol	100-02-7	ug/kg	280	U	260	U	270	U	5400	U	
Acenaphthene	83-32-9	ug/kg	160	U	150	U	160	U	9800	U	
Acenaphthylene	208-96-8	ug/kg	160	U	150	U	160	U	5600	U	
Acetophenone	98-86-2	ug/kg	200	U	190	U	200	U	3900	U	
Anthracene	120-12-7	ug/kg	120	U	110	U	40	J	24000	U	
Benzo(a)anthracene	56-55-3	ug/kg	120	U	110	U	130	U	44000	U	
Benzo(a)pyrene	50-32-8	ug/kg	160	U	150	U	160	J	35000	U	
Benzo(b)fluoranthene	205-99-2	ug/kg	120	U	110	U	150	U	51000	U	
Benzo(ghi)perylene	191-24-2	ug/kg	160	U	150	U	62	J	24000	J	
Benzo(k)fluoranthene	207-08-9	ug/kg	120	U	110	U	64	J	20000	J	
Benzoic Acid	65-85-0	ug/kg	650	U	610	U	630	U	13000	U	
Benzyl Alcohol	100-51-6	ug/kg	200	U	190	U	200	U	3900	U	
Biphenyl	92-52-4	ug/kg	460	U	430	U	440	U	8900	U	
Bis(2-chloroethoxy)methane	111-91-1	ug/kg	220	U	200	U	210	U	4200	U	
Bis(2-chloroethyl)ether	111-44-4	ug/kg	180	U	170	U	180	U	3500	U	
Bis(2-chloroisopropyl)ether	108-60-1	ug/kg	240	U	220	U	230	U	4700	U	
Bis(2-ethylhexyl)phthalate	117-81-7	ug/kg	200	U	190	U	200	U	3900	U	
Butyl benzyl phthalate	85-68-7	ug/kg	200	U	190	U	200	U	3900	U	
Carbazole	86-74-8	ug/kg	200	U	190	U	200	U	8500	U	
Chrysene	218-01-9	ug/kg	120	U	110	U	120	U	38000	U	
Di-n-butylphthalate	84-74-2	ug/kg	200	U	190	U	200	U	3900	U	
Di-n-octylphthalate	117-84-0	ug/kg	200	U	190	U	200	U	3900	U	
Dibenzo(a,h)anthracene	53-70-3	ug/kg	120	U	110	U	120	U	5500	U	
Dibenzofuran	132-64-9	ug/kg	200	U	190	U	200	U	9200	U	
Diethyl phthalate	84-66-2	ug/kg	200	U	190	U	200	U	3900	U	
Dimethyl phthalate	131-11-3	ug/kg	200	U	190	U	200	U	3900	U	
Fluoranthene	206-44-0	ug/kg	120	U	46	J	280	U	95000	U	
Fluorene	86-73-7	ug/kg	200	U	190	U	200	U	12000	U	
Hexachlorobenzene	118-74-1	ug/kg	120	U	110	U	120	U	2300	U	
Hexachlorobutadiene	87-68-3	ug/kg	200	U	190	U	200	U	3900	U	
Hexachlorocyclopentadiene	77-47-4	ug/kg	570	U	540	U	560	U	11000	U	
Hexachloroethane	67-72-1	ug/kg	160	U	150	U	160	U	3100	U	
Indeno(1,2,3-cd)Pyrene	193-39-5	ug/kg	160	U	150	U	57	J	19000	J	
Isophorone	78-59-1	ug/kg	180	U	170	U	180	U	3500	U	
n-Nitrosodi-n-propylamine	621-64-7	ug/kg	200	U	190	U	200	U	3900	U	
Naphthalene	91-20-3	ug/kg	200	U	190	U	200	U	9900	U	
Nitrobenzene	98-95-3	ug/kg	180	U	170	U	180	U	3500	U	
NitrosoDiPhenylAmine(NDPA)/DP	86-30-6	ug/kg	160	U	150	U	160	U	3100	U	
P-Chloro-M-Cresol	59-50-7	ug/kg	200	U	190	U	200	U	3900	U	
Pentachlorophenol	87-86-5	ug/kg	160	U	150	U	160	U	3100	U	
Phenanthrene	85-01-8	ug/kg	120	U	40	J	160	U	78000	U	
Phenol	108-95-2	ug/kg	200	U	190	U	200	U	3900	U	
Pyrene	129-00-0	ug/kg	120	U	38	J	250	U	77000	U	
Total Metals - Westborough Lab											
Aluminum, Total	7429-90-5	ug/kg	21000000	-	13000000	11000000	-	-	6600000	13000000	
Antimony, Total	7440-36-0	ug/kg	3100	J	3000	J	2700	J	-	4800	
Arsenic, Total	7440-38-2	ug/kg	2900	-	2800	5400	-	-	38000	7800	
Barium, Total	7440-39-3	ug/kg	59000	-	53000	59000	-	-	65000	84000	
Beryllium, Total	7440-41-7	ug/kg	820	-	820	520	-	-	440	430	
Cadmium, Total	7440-43-9	ug/kg	920	U	890	U	910	U	1100	70	
Calcium, Total	7440-70-2	ug/kg	540000								

Cobalt, Total	7440-48-4	ug/kg	6700	-	8800	7600	-	-	10000	6300
Copper, Total	7440-50-8	ug/kg	24000	-	25000	31000	-	-	110000	45000
Iron, Total	7439-89-6	ug/kg	18000000	-	24000000	18000000	-	-	98000000	27000000
Lead, Total	7439-92-1	ug/kg	12000	-	7100	62000	-	-	220000	96000
Magnesium, Total	7439-95-4	ug/kg	3600000	-	3800000	2700000	-	-	3700000	3300000
Manganese, Total	7439-96-5	ug/kg	96000	-	420000	420000	-	-	340000	220000
Mercury, Total	7439-97-6	ug/kg	30	J	80	3200	84000	-	-	180
Nickel, Total	7440-02-0	ug/kg	18000	-	18000	21000	-	-	24000	17000
Potassium, Total	7440-09-7	ug/kg	1700000	-	1900000	1500000	-	-	1400000	2800000
Selenium, Total	7782-49-2	ug/kg	590	J	920	970	J	-	10000	1400
Silver, Total	7440-22-4	ug/kg	920	U	890	910	U	380	-	260
Sodium, Total	7440-23-5	ug/kg	1200000	-	340000	260000	-	-	5200000	210000
Thallium, Total	7440-28-0	ug/kg	1800	U	860	31000	U	-	-	840
Vanadium, Total	7440-62-2	ug/kg	4000	-	42000	31000	-	-	26000	33000
Zinc, Total	7440-66-6	ug/kg	-	4700000	47000	84000	-	18000000	-	160000
Volatile Organics by 8260/5035 - Westborough Lab										
1,1,1,2-Tetrachloroethane	630-20-6	ug/kg	0.95	U	0.87	U	1.1	U	1.1	U
1,1,1-Trichloroethane	71-55-6	ug/kg	0.95	U	0.87	U	1.1	U	1.1	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	0.95	U	0.87	U	1.1	U	1.1	U
1,1,2-Trichloroethane	79-00-5	ug/kg	1.4	U	1.3	U	1.6	U	1.7	U
1,1-Dichloroethane	75-34-3	ug/kg	1.4	U	1.3	U	1.6	U	1.7	U
1,1-Dichloroethene	75-35-4	ug/kg	0.95	U	0.87	U	1.1	U	1.1	U
1,1-Dichloropropene	563-58-6	ug/kg	4.8	U	4.3	U	5.3	U	5.6	U
1,2,3-Trichlorobenzene	87-61-6	ug/kg	4.8	U	4.3	U	5.3	U	5.6	U
1,2,3-Trichloropropane	96-18-4	ug/kg	9.5	U	8.7	U	11	U	11	U
1,2,4,5-Tetramethylbenzene	95-93-2	ug/kg	3.8	U	3.5	U	4.3	U	4.5	U
1,2,4-Trichlorobenzene	120-82-1	ug/kg	4.8	U	4.3	U	5.3	U	5.6	U
1,2,4-Trimethylbenzene	95-63-6	ug/kg	4.8	U	4.3	U	5.3	U	5.6	U
1,2-Dibromo-3-chloropropane	96-12-8	ug/kg	4.8	U	4.3	U	5.3	U	5.6	U
1,2-Dibromoethane	106-93-4	ug/kg	3.8	U	3.5	U	4.3	U	4.5	U
1,2-Dichlorobenzene	95-50-1	ug/kg	4.8	U	4.3	U	5.3	U	5.6	U
1,2-Dichloroethane	107-06-2	ug/kg	0.95	U	0.87	U	1.1	U	1.1	U
1,2-Dichloropropane	78-87-5	ug/kg	3.3	U	3	U	3.7	U	4	U
1,3,5-Trimethylbenzene	108-67-8	ug/kg	4.8	U	4.3	U	5.3	U	5.6	U
1,3-Dichlorobenzene	541-73-1	ug/kg	4.8	U	4.3	U	5.3	U	5.6	U
1,3-Dichloropropane	142-28-9	ug/kg	4.8	U	4.3	U	5.3	U	5.6	U
1,4-Dichlorobenzene	106-46-7	ug/kg	4.8	U	4.3	U	5.3	U	5.6	U
1,4-Diethylbenzene	105-05-5	ug/kg	3.8	U	3.5	U	4.3	U	4.5	U
1,4-Dioxane	123-91-1	ug/kg	95	U	87	U	110	U	110	U
2,2-Dichloropropane	594-20-7	ug/kg	4.8	U	4.3	U	5.3	U	5.6	U
2-Butanone	78-93-3	ug/kg	9.5	U	8.7	U	11	U	11	U
2-Hexanone	591-78-6	ug/kg	9.5	U	8.7	U	11	U	11	U
4-Ethyltoluene	622-96-8	ug/kg	3.8	U	3.5	U	4.3	U	4.5	U
4-Methyl-2-pentanone	108-10-1	ug/kg	9.5	U	8.7	U	11	U	11	U
Acetone	67-64-1	ug/kg	24	-	8.9	7.4	J	7	J	-
Acrylonitrile	107-13-1	ug/kg	9.5	U	8.7	U	11	U	11	U
Benzene	71-43-2	ug/kg	0.95	U	0.87	U	1.1	U	1.1	U
Bromobenzene	108-86-1	ug/kg	4.8	U	4.3	U	5.3	U	5.6	U
Bromochloromethane	74-97-5	ug/kg	4.8	U	4.3	U	5.3	U	5.6	U
Bromodichloromethane	75-27-4	ug/kg	0.95	U	0.87	U	1.1	U	1.1	U
Bromoform	75-25-2	ug/kg	3.8	U	3.5	U	4.3	U	4.5	U
Bromomethane	74-83-9	ug/kg	1.9	U	1.7	U	2.1	U	2.3	U
Carbon disulfide	75-15-0	ug/kg	3.1	J	8.7	U	11	U	11	U
Carbon tetrachloride	56-23-5	ug/kg	0.95	U	0.87	U	1.1	U	1.1	U
Chlorobenzene	108-90-7	ug/kg	0.95	U	0.87	U	1.1	U	1.1	U
Chloroethane	75-00-3	ug/kg	1.9	U	1.7	U	2.1	U	2.3	U
Chloroform	67-66-3	ug/kg	1.4	U	1.3	U	1.6	U	1.7	U
Chloromethane	74-87-3	ug/kg	4.8	U	4.3	U	5.3	U	5.6	U
cis-1,2-Dichloroethene	156-59-2	ug/kg	0.95	U	0.87	U	1.1	U	1.1	U
cis-1,3-Dichloropropene	10061-01-5	ug/kg	0.95	U	0.87	U	1.1	U	1.1	U
Dibromochloromethane	124-48-1	ug/kg	0.95	U	0.87	U	1.1	U	1.1	U
Dibromomethane	74-95-3	ug/kg	9.5	U	8.7	U	11	U	11	U
Dichlorodifluoromethane	75-71-8	ug/kg	9.5	U	8.7	U	11	U	11	U
Ethyl ether	60-29-7	ug/kg	4.8	U	4.3	U	5.3	U	5.6	U
Ethylbenzene	100-41-4	ug/kg	0.95	U	0.87	U	1.1	U	1.1	U
Hexachlorobutadiene	87-68-3	ug/kg	4.8	U	4.3	U	5.3	U	5.6	U
Isopropylbenzene	98-82-8	ug/kg	0.95	U	0.87	U	1.1	U	1.1	U
Methyl tert butyl ether	1634-04-4	ug/kg	1.9	U	1.7	U	2.1	U	2.3	U
Methylene chloride	75-09-2	ug/kg	9.5	U	8.7	U	11	U	11	U
n-Butylbenzene	104-51-8	ug/kg	0.95	U	0.87	U	1.1	U	1.1	U
n-Propylbenzene	103-65-1	ug/kg	0.95	U	0.87	U	1.1	U	1.1	U
Naphthalene	91-20-3	ug/kg	4.8	U	4.3	U	5.3	U	5.6	U
o-Chlorotoluene	95-49-8	ug/kg	4.8	U	4.3	U	5.3	U	5.6	U
o-Xylene	95-47-6	ug/kg	1.9	U	1.7	U	2.1	U	2.3	U
p-Chlorotoluene	106-43-4	ug/kg	4.8	U	4.3	U	5.3	U	5.6	U
p-Isopropyltoluene	99-87-6	ug/kg	0.95	U	0.87	U	1.1	U	1.1	U
p/m-Xylene	179601-23-1	ug/kg	1.9	U	1.7	U	2.1	U	2.3	U
sec-Butylbenzene	135-98-8	ug/kg	0.95	U	0.87	U	1.1	U	1.1	U
Styrene	100-42-5	ug/kg	1.9	U	1.7	U	2.1	U	2.3	U
tert-Butylbenzene	98-06-6	ug/kg	4.8	U	4.3	U	5.3	U	5.6	U
Tetrachloroethene	127-18-4	ug/kg	0.95	U	0.87	U	1.1	U	1.1	U
Toluene	108-88-3	ug/kg	1.4	U	1.3	U	1.6	U	1.7	U
trans-1,2-Dichloroethene	156-60-5	ug/kg	1.4	U	1.3	U	1.6	U	1.7	U
trans-1,3-Dichloropropene	10061-02-6	ug/kg	0.95	U	0.87	U	1.1	U	1.1	U
trans-1,4-Dichloro-2-butene	110-57-6	ug/kg	4.8	U	4.3	U	5.3	U	5.6	U
Trichloroethene	79-01-6	ug/kg	0.95	U	0.87	U	1.1	U	1.1	U
Trichlorofluoromethane	75-69-4	ug/kg	4.8	U	4.3	U	5.3	U	5.6	U
Vinyl acetate	108-05-4	ug/kg	9.5	U	8.7	U	11	U	11	U
Vinyl chloride	75-01-4	ug/kg	1.9	U	1.7	U	2.1	U	2.3	U

SB016 (6-8) 12/7/2012 L122284-06	SB015 (8-10) 12/7/2012 L122284-07	SB015 (8-10) 12/7/2012 L122284-07 R1	SB014 (8-10) 12/7/2012 L122284-08	SB013(0-2) 12/19/2012 L1223077-03	SB013(0-2) 12/19/2012 L1223077-03 R1	SB015(2-4) 12/19/2012 L1223077-04	SB009(4-6) 12/19/2012 L1223077-05	SB010(0-2) 12/19/2012 L1223077-06	SB010(0-2) 12/19/2012 L1223077-06 R1	SB016(2-4) 12/19/2012 L1223077-07	MW002 PRODUCT 12/19/2012 L1223078-01
Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
88	79	-	77	90	-	90	86	88	-	89	-
89.7	U	1.96	U	1.97	U	-	7.76	J	1.79	U	8.72
89.7	U	1.96	U	1.97	U	-	18.4	U	1.79	U	8.72
168	U	3.67	U	19.6	J	-	34.6	U	3.36	U	16.3
89.7	U	1.96	U	1.97	U	-	18.4	U	1.79	U	8.72
29.9	J	0.815	U	0.822	U	-	7.68	U	0.747	U	3.63
89.7	U	1.96	U	1.97	U	-	18.4	U	1.79	U	8.72
729	U	15.9	U	16	U	-	150	U	14.6	U	70.8
112	U	2.44	U	2.47	U	-	23	U	2.24	U	10.9
89.7	U	1.96	U	1.97	U	-	18.4	U	1.79	U	8.72
56.1	U	1.22	U	1.23	U	-	11.5	U	1.12	U	5.45
89.7	U	1.96	U	1.97	U	-	18.4	U	1.79	U	8.72
89.7	U	1.96	U	1.97	U	-	18.4	U	1.79	U	8.72
37.4	U	0.815	U	0.822	U	-	7.68	U	0.747	U	3.63
37.4	U	0.815	U	0.822	U	-	7.68	U	0.747	U	3.63
89.7	U	1.96	U	1.97	U	-	18.4	U	1.79	U	8.72
44.8	U	0.978	U	0.987	U	-	9.22	U	0.896	U	4.36
168	U	3.67	U	3.7	U	-	34.6	U	3.36	U	16.3
37.4	U	0.815	U	0.822	U	-	7.68	U	0.747	U	3.63
168	U	3.67	U	3.7	U	-	34.6	U	3.36	U	16.3
1680	U	36.7	U	37	U	-	346	U	33.6	U	163
112	U	2.44	U	2.47	U	-	23	U	2.24	U	10.9
-	-	-	-	-	-	-	-	-	-	-	3.15E+08
73.3	U	41.2	U	42.7	U	-	37.3	U	37.4	U	35.8
73.3	U	41.2	U	42.7	U	-	37.3	U	37.4	U	35.8
73.3	U	41.2	U	42.7	U	-	37.3	U	37.4	U	35.8
73.3	U	41.2	U	42.7	U	-	37.3	U	37.4	U	35.8
73.3	U	41.2	U	42.7	U	-	37.3	U	37.4	U	35.8
73.3	U	41.2	U	42.7	U	-	37.3	U	37.4	U	35.8
1900	U	210	U	220	U	180	U	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
1100	U	120	U	130	U	110	U	-	-	-	-
1700	U	190	U	190	U	160	U	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
9000	U	1000	U	1000	U	880	U	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
38000	U	250	U	260	U	320	U	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
4000	U	450	U	460	U	390	U	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
2700	U	300	U	310	U	260	U	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
4800	U	540	U	560	U	480	U	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
1900	UJ	210	UJ	220	UJ	180	UJ	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
2600	U	290	U	300	U	260	U	-	-	-	-
1600	U	170	U	58	J	540	U	-	-	-	-
1500	U	170	U	170	U	160	J	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
910	J	120	U	130	U	1500	-	-	-	-	-
1100	U	120	U	130	U	3400	-	-	-	-	-
1500	U	170	U	170	U	2900	-	-	-	-	-
1100	U	57	J	52	J	4100	-	-	-	-	-
1500	U	170	U	170	U	1600	-	-	-	-	-
1100	U	120	U	130	U	1400	-	-	-	-	-
6000	U	680	U	700	U	590	U	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
4200	U	480	U	490	U	420	U	-	-	-	-
2000	U	220	U	230	U	200	U	-	-	-	-
1700	U	190	U	190	U	160	U	-	-	-	-
2200	U	250	U	260	U	220	U	-	-	-	-
1900	U	210	U	220	U	190	U	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
1900	U	210	U	220	U	390	-	-	-	-	-
550	J	52	J	39	J	3600	-	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
1100	U	120	U	130	U	450	-	-	-	-	-
1900	U	210	U	220	U	540	-	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
1100	U	52	J	140	U	7700	E	-	-	-	-
2600	U	210	U	57	J	350	-	-	-	-	-
1100	U	120	U	130	U	110	U	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
5400	U	600	U	620	U	520	U	-	-	-	-
1500	U	170	U	170	U	150	U	-	-	-	-
1500	U	170	U	170	U	1900	-	-	-	-	-
1700	U	190	U	190	U	160	U	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
1900	U	210	U	220	U	390	-	-	-	-	-
1700	U	190	U	190	U	160	U	-	-	-	-
1500	U	170	U	170	U	150	U	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
1500	U	170	U	170	U	150	U	-	-	-	-
6500	U	45	J	130	U	6800	-	-	-	-	-
1900	U	210	U	220	U	180	U	-	-	-	-
1400	U	53	J	120	J	6600	-	-	-	-	-
8200000	8300000	-	11000000	5000000	-	8500000	8500000	7900000	-	7600000	-
2700	J	2400	J	3400	J	4700	2800	J	2100	J	1800
4300	6500	-	12000	14000	-	17000	6900	6200	-	10000	-
57000	90000	-	130000	160000	-	200000	120000	110000	-	230000	-
420	J	380	J	560	J	430	J	370	J	370	J
880	U	970	U	190	J	4400	810	900	J	400	J
2400000	39000000	-	12000000	23000000	-	26000000	5000000	7100000	-	8800000	-
18000	27000	-	30000	18000	-	27000	18000	19000	-	18000	-

8600		5000	-		8200		4000	-		5600		7300		6600	-		6400	-	-
81000		95000	-		53000		52000	-		330000		120000		63000	-		61000	-	-
17000000		15000000	-		19000000		11000000	-		18000000		21000000		15000000	-		17000000	-	-
120000		320000	-		240000		200000	-		350000		390000		140000	-		530000	-	-
2000000		2500000	-		4200000		1500000	-		2700000		2800000		2000000	-		2700000	-	-
270000		270000	-		270000		99000	-		210000		240000		330000	-		300000	-	-
20000		130000	-		2600		1200	-		6100		15000		5400	-		540	-	-
15000		11000	-		22000		12000	-		14000		12000		18000	-		19000	-	-
980000		1200000	-		1300000		1600000	-		1100000		960000		1100000	-		1300000	-	-
1100	J	760	J	-	1200	J	1500	J	-	1800		1900		1500	J	-	1100	J	-
880	U	970	U	-	2500		190	J	-	200	J	240	J	1100	-	-	860	U	-
280000		370000	-		380000		2200000	-		730000		430000		1000000	-		290000	-	-
1800		1900	-		2000	U	1700	U	-	1700	U	1800	U	1700	U	-	1700	U	-
27000	U	20000	U	-	30000		16000		-	24000		33000		20000	-	-	20000	-	-
290000		180000	-		240000		-	4000000	-	590000		140000		-	2800000	-	230000	-	-
55	U	74	U	-	1.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-
55	U	74	U	-	1.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-
55	U	74	U	-	1.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-
82	U	110	U	-	1.7	U	-	-	-	-	-	-	-	-	-	-	-	-	-
82	U	110	U	-	1.7	U	-	-	-	-	-	-	-	-	-	-	-	-	-
55	U	74	U	-	1.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-
270	U	370	U	-	5.8	U	-	-	-	-	-	-	-	-	-	-	-	-	-
270	U	370	U	-	5.8	U	-	-	-	-	-	-	-	-	-	-	-	-	-
550	U	740	U	-	12	U	-	-	-	-	-	-	-	-	-	-	-	-	-
440		R	R	25000	5.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
270	U	370	U	-	5.8	U	-	-	-	-	-	-	-	-	-	-	-	-	-
270	U	370	U	-	5.8	U	-	-	-	-	-	-	-	-	-	-	-	-	-
270	U	370	U	-	5.8	U	-	-	-	-	-	-	-	-	-	-	-	-	-
220	U	300	U	-	4.6	U	-	-	-	-	-	-	-	-	-	-	-	-	-
270	U	370	U	-	5.8	U	-	-	-	-	-	-	-	-	-	-	-	-	-
55	U	74	U	-	1.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-
190	U	260	U	-	4	U	-	-	-	-	-	-	-	-	-	-	-	-	-
270	U	370	U	-	5.8	U	-	-	-	-	-	-	-	-	-	-	-	-	-
270	U	370	U	-	5.8	U	-	-	-	-	-	-	-	-	-	-	-	-	-
270	U	370	U	-	5.8	U	-	-	-	-	-	-	-	-	-	-	-	-	-
270	U	370	U	-	5.8	U	-	-	-	-	-	-	-	-	-	-	-	-	-
87	J	7600	-		4.6	U	-	-	-	-	-	-	-	-	-	-	-	-	-
5500	U	7400	U	-	120	U	-	-	-	-	-	-	-	-	-	-	-	-	-
270	U	370	U	-	5.8	U	-	-	-	-	-	-	-	-	-	-	-	-	-
550	U	740	U	-	12	U	-	-	-	-	-	-	-	-	-	-	-	-	-
550	U	740	U	-	12	U	-	-	-	-	-	-	-	-	-	-	-	-	-
220	U	300	U	-	4.6	U	-	-	-	-	-	-	-	-	-	-	-	-	-
550	U	740	U	-	12	U	-	-	-	-	-	-	-	-	-	-	-	-	-
550	U	740	U	-	12	U	-	-	-	-	-	-	-	-	-	-	-	-	-
550	U	740	U	-	12	U	-	-	-	-	-	-	-	-	-	-	-	-	-
55	U	74	U	-	1.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-
55	U	74	U	-	1.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-
270	U	370	U	-	5.8	U	-	-	-	-	-	-	-	-	-	-	-	-	-
270	U	370	U	-	5.8	U	-	-	-	-	-	-	-	-	-	-	-	-	-
55	U	74	U	-	1.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-
220	U	300	U	-	4.6	U	-	-	-	-	-	-	-	-	-	-	-	-	-
110	U	150	U	-	2.3	U	-	-	-	-	-	-	-	-	-	-	-	-	-
550	U	740	U	-	12	U	-	-	-	-	-	-	-	-	-	-	-	-	-
55	U	74	U	-	1.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-
55	U	74	U	-	1.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-
110	U	150	U	-	2.3	U	-	-	-	-	-	-	-	-	-	-	-	-	-
82	U	110	U	-	1.7	U	-	-	-	-	-	-	-	-	-	-	-	-	-
270	U	370	U	-	5.8	U	-	-	-	-	-	-	-	-	-	-	-	-	-
55	U	74	U	-	1.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-
55	U	74	U	-	1.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-
55	U	74	U	-	1.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-
550	U	740	U	-	12	U	-	-	-	-	-	-	-	-	-	-	-	-	-
550	U	740	U	-	12	U	-	-	-	-	-	-	-	-	-	-	-	-	-
270	U	370	U	-	5.8	U	-	-	-	-	-	-	-	-	-	-	-	-	-
55	U	74	U	-	1.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-
270	U	370	U	-	5.8	U	-	-	-	-	-	-	-	-	-	-	-	-	-
35	J	74	U	-	1.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-
110	U	150	U	-	2.3	U	-	-	-	-	-	-	-	-	-	-	-	-	-
550	U	740	U	-	12	U	-	-	-	-	-	-	-	-	-	-	-	-	-
110		74	U	-	1.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-
94		74	U	-	1.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-
270	U	370	U	-	5.8	U	-	-	-	-	-	-	-	-	-	-	-	-	-
270	U	370	U	-	5.8	U	-	-	-	-	-	-	-	-	-	-	-	-	-
110	U	150	U	-	2.3	U	-	-	-	-	-	-	-	-	-	-	-	-	-
270	U	370	U	-	5.8	U	-	-	-	-	-	-	-	-	-	-	-	-	-
55	U	74	U	-	1.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-
110	U	150	U	-	2.3	U	-	-	-	-	-	-	-	-	-	-	-	-	-
53	J	7800	-		1.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-
110	U	150	U	-	2.3	U	-	-	-	-	-	-	-	-	-	-	-	-	-
270	U	370	U	-	5.8	U	-	-	-	-	-	-	-	-	-	-	-	-	-
55	U	74	U	-	1.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-
82	U	110	U	-	1.7	U	-	-	-	-	-	-	-	-	-	-	-	-	-
82	U	110	U	-	1.7	U	-	-	-	-	-	-	-	-	-	-	-	-	-
55	U	74	U	-	1.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-
270	U	370	U	-	5.8	U	-	-	-	-	-	-	-	-	-	-	-	-	-
55	U	74	U	-	1.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-
270	U	370	U	-	5.8	U	-	-	-	-	-	-	-	-	-	-	-	-	-
550	U	740	U	-	12	U	-	-	-	-	-	-	-	-	-	-	-	-	-
110	U	150	UJ	-	2.3	U	-	-	-	-	-	-	-	-	-	-	-	-	-

Tier II-Data Validation

Qualifications

LOCATION		SV002		SV001		SV003	
SAMPLING DATE		12/10/2012		12/10/2012		12/10/2012	
LAB SAMPLE ID		L1222366-01		L1222366-02		L1222366-03	
	CasNum	AIR-UGM Units		Qual		Qual	Qual
Volatile Organics in Air - Mansfield Lab							
1,1,1-Trichloroethane	71-55-6	0.25 ug/m3	3.64	U	10.9	U	10.9
1,1,2,2-Tetrachloroethane	79-34-5	0.25 ug/m3	4.58	U	13.7	U	13.7
1,1,2-Trichloroethane	79-00-5	0.25 ug/m3	3.64	U	10.9	U	10.9
1,1-Dichloroethane	75-34-3	0.25 ug/m3	2.7	U	8.09	U	8.09
1,1-Dichloroethene	75-35-4	0.25 ug/m3	2.64	U	7.93	U	7.93
1,2,4-Trichlorobenzene	120-82-1	0.25 ug/m3	4.95	U	14.8	U	14.8
1,2,4-Trimethylbenzene	95-63-6	0.25 ug/m3	3.28	U	9.83	U	9.83
1,2-Dibromoethane	106-93-4	0.25 ug/m3	5.13	U	15.4	U	15.4
1,2-Dichlorobenzene	95-50-1	0.25 ug/m3	4.01	U	12	U	12
1,2-Dichloroethane	107-06-2	0.25 ug/m3	2.7	U	8.09	U	8.09
1,2-Dichloropropane	78-87-5	0.25 ug/m3	3.08	U	9.24	U	9.24
1,3,5-Trimethylbenzene	108-67-8	0.25 ug/m3	3.28	U	9.83	U	9.83
1,3-Butadiene	106-99-0	0.25 ug/m3	1.48	U	17.8		4.42
1,3-Dichlorobenzene	541-73-1	0.25 ug/m3	4.01	U	12	U	12
1,4-Dichlorobenzene	106-46-7	0.25 ug/m3	4.01	U	12	U	12
1,4-Dioxane	123-91-1	0.25 ug/m3	2.4	U	7.21	U	7.21
2,2,4-Trimethylpentane	540-84-1	0.25 ug/m3	3.5		9.34	U	9.34
2-Butanone	78-93-3	0.25 ug/m3	41		64		59.6
2-Hexanone	591-78-6	0.25 ug/m3	2.73	U	8.2	U	8.2
3-Chloropropene	107-05-1	0.25 ug/m3	2.09	U	6.26	U	6.26
4-Ethyltoluene	622-96-8	0.25 ug/m3	3.28	U	9.83	U	9.83
4-Methyl-2-pentanone	108-10-1	0.25 ug/m3	37.2		21.5		13.3
Acetone	67-64-1	0.25 ug/m3	160		342		485
Benzene	71-43-2	0.25 ug/m3	3.9		6.68		6.39
Benzyl chloride	100-44-7	0.25 ug/m3	3.45	U	10.4	U	10.4
Bromodichloromethane	75-27-4	0.25 ug/m3	4.47	U	13.4	U	13.4
Bromoform	75-25-2	0.25 ug/m3	6.9	U	20.7	U	20.7
Bromomethane	74-83-9	0.25 ug/m3	2.59	U	7.77	U	7.77
Carbon disulfide	75-15-0	0.25 ug/m3	2.08	U	13.6		6.23
Carbon tetrachloride	56-23-5	0.25 ug/m3	4.2	U	12.6	U	12.6
Chlorobenzene	108-90-7	0.25 ug/m3	3.07	U	9.21	U	9.21
Chloroethane	75-00-3	0.25 ug/m3	1.76	U	5.28	U	5.28
Chloroform	67-66-3	0.25 ug/m3	3.26	U	9.77	U	9.77
Chloromethane	74-87-3	0.25 ug/m3	1.38	U	4.13	U	4.13
cis-1,2-Dichloroethene	156-59-2	0.25 ug/m3	2.64	U	7.93	U	7.93
cis-1,3-Dichloropropene	10061-01-5	0.25 ug/m3	3.03	U	9.08	U	9.08
Cyclohexane	110-82-7	0.25 ug/m3	2.3	U	16.8		20.3
Dibromochloromethane	124-48-1	0.25 ug/m3	5.68	U	17	U	17
Dichlorodifluoromethane	75-71-8	0.25 ug/m3	3.3	U	9.89	U	9.89
Ethanol	64-17-5	0.25 ug/m3	20.9		47.1	U	47.1
Ethyl Acetate	141-78-6	0.25 ug/m3	6.02	U	110		86.8
Ethylbenzene	100-41-4	0.25 ug/m3	2.98		10		10
Freon-113	76-13-1	0.25 ug/m3	5.11	U	15.3	U	15.3
Freon-114	76-14-2	0.25 ug/m3	4.66	U	14	U	14
Heptane	142-82-5	0.25 ug/m3	7.05		17.2		22.1
Hexachlorobutadiene	87-68-3	0.25 ug/m3	7.11	U	21.3	U	21.3
Isopropanol	67-63-0	0.25 ug/m3	4.82		14.1		18.1
Methyl tert butyl ether	1634-04-4	0.25 ug/m3	2.4	U	7.21	U	7.21
Methylene chloride	75-09-2	0.25 ug/m3	11.6	U	34.7	U	34.7
n-Hexane	110-54-3	0.25 ug/m3	4.76		12.8		7.05
o-Xylene	95-47-6	0.25 ug/m3	2.9	U	12.9		10.4
p/m-Xylene	179601-23-1	0.25 ug/m3	7.34		25.8		20.5
Propylene	115-07-1	0.25 ug/m3	2.87	U	176	J	13.8
Styrene	100-42-5	0.25 ug/m3	2.84	U	8.52	U	8.52
Tetrachloroethene	127-18-4	0.25 ug/m3	4.52	U	13.6	U	13.6
Tetrahydrofuran	109-99-9	0.25 ug/m3	1.97	U	5.9	U	5.9
Toluene	108-88-3	0.25 ug/m3	12.4		30.6		37
trans-1,2-Dichloroethene	156-60-5	0.25 ug/m3	2.64	U	7.93	U	7.93
trans-1,3-Dichloropropene	10061-02-6	0.25 ug/m3	3.03	U	9.08	U	9.08
Trichloroethene	79-01-6	0.25 ug/m3	3.58	U	10.7	U	10.7
Trichlorofluoromethane	75-69-4	0.25 ug/m3	3.75	U	11.2	U	11.2
Vinyl acetate	108-05-4	0.25 ug/m3	2.35	U	7.04	U	7.04
Vinyl bromide	593-60-2	0.25 ug/m3	2.92	U	8.74	U	8.74
Vinyl chloride	75-01-4	0.25 ug/m3	1.71	U	5.11	U	5.11