

555 GRAND STREET
BROOKLYN NEW YORK
Block 2779 Lot 31

**REMEDIAL INVESTIGATION
REPORT**

August 2013
Revised March 2014

Prepared for:
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555 Grand Street, Brooklyn, NY

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
BCP	Brownfields Cleanup Program
BCA	Brownfield Site Cleanup Agreement
ESA	Environmental Site Assessment
EBC	Environmental Business Consultants
IRM	Interim Remedial Measure Work Plan
NYCDEP	New York City Department of Environmental Protection
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PID	Photo-Ionization Detector
RI	Remedial Investigation
RIWR	Remedial Investigation Work Plan
SVOC	Semi-Volatile Organic Compound
UST	Underground Storage Tank
VOC	Volatile Organic Compound

REPORT CERTIFICAION

I Charles Sosik certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Remedial Investigation Report 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.



Charles B. Sosik, P.G., P.H.G.

Date: 4/22/14

1.0 INTRODUCTION

1.1 Project Background

This Remedial Investigation Report (RIR) was prepared on behalf of 555 Grand Units LLC for the property located at 555 Grand Street in the borough of Brooklyn, New York. In November 2013, Grand Units LLC filed an application with the New York State Department of Environmental Conservation (NYSDEC), to admit the Project Site into the New York State Brownfield Cleanup Program (BCP).

The purpose of the Remedial Investigation (RI) is to collect data of sufficient quality and quantity to characterize the nature and extent of contamination in on-site groundwater, soil and soil vapor, to complete a qualitative exposure assessment for future occupants of the buildings and the surrounding community.

The overall objectives of the project are to prepare the site for unrestricted use as defined in the Brownfield Cleanup Agreement and to remediate known and unknown environmental conditions at the site to the satisfaction of the NYSDEC and the New York State Department of Health (NYSDOH).

The field work portion of the RI was conducted by EBC from July 29, 2013 through August 20, 2013.

1.2 Site Location and Description

The address for the subject property is 555 Grand Street, Brooklyn, New York 11211. The subject property is designated as Block 2779, Lot 31 by the New York City Department of Assessment. The subject property is located in the City of New York and Borough of Brooklyn (Kings County) as shown on **Figure 1**. The lot consists of 25 feet of frontage on Grand Street and a total lot area of 2,525 square feet (0.058 acres). The subject site is currently developed with a three-story mixed use (first floor retail, residential upper floors) building with a basement which covers approximately 100 percent of the lot (**Figure 2**). The building was constructed in 1887.

The building is currently vacant but was most recently occupied by a drycleaner (Tru Val) on the 1st floor and two residential tenants on the second and third floor. According to the NYC Department of Buildings records and interviews with the operator, the dry-cleaner has been operating on-site since 1999.

The elevation of the Site is approximately 28 feet above the National Geodetic Vertical Datum (NGVD). The area topography is relatively flat and consistent. The depth to groundwater beneath the Site, as determined from field measurements, is approximately 25 feet below grade. Based on regional and local groundwater contour maps, groundwater flow is expected to be northwest toward the East River approximately 1 mile from the Site.

The area surrounding the property is highly urbanized and predominantly consists of multi-family residential buildings with mixed-use buildings (residential w/ first floor retail) along main corridors

such as Grand Street on which the property fronts, Union Avenue just west of the Site and Lorimer Street just east of the Site (**Figure 3**). The area is marked by late 19th and early 20th century rowhouses with commercial and industrial properties interspersed throughout the residential sections.

1.3 Redevelopment Plans

The development project consists of redeveloping the current 3-story mixed-use building into a 6-story residential building. The building covers the 65% of the lot and has a full cellar, which will be utilized for storage areas. The basement level and foundation will require minimal excavation; due to the use of the original structure. Excavation and soil disturbance will occur for the northeast side for installation of a section of foundation wall concrete slab to level with existing cellar concrete slab and excavation of elevator pit. The proposed work on the northeast side will slightly widen the cellar. The elevator pit will be excavated to a depth of 5 feet. A plan showing the proposed redevelopment and excavation areas of the basement is provided as **Figure 4**.

1.4 Site History

The environmental history of the Site was previously investigated through the review of Federal and State Environmental databases, Environmental Sanborn Fire Insurance maps, NYC Department of Building records and the NYC Department of Finance databases as part of the Phase I Environmental Site Assessment completed in June 2013.

1.5 Summary of Previous Investigations

Environmental investigations performed at the Site include the following:

- Phase I Environmental Site Assessment, Environmental Business Consultants, June 2013.

1.5.1 June 2013 – Phase I Environmental Site Assessment Report (EBC)

EBC was able to establish a history for the property dating back to 1887. In 1887 the site was developed with the current three-story mixed use commercial residential building. According to historical city directories, the Site has been occupied by multiple commercial tenants such as, Slavin Building Co, Louis Lewitzky Dry Goods, Lewis Miracle Dollar Store, Rama Building Corp, Louis Bargain Department Store, Mayflower Bargain Store, Joel Bargain Store and Tru Val Cleaners. The Tru Val cleaners has been on-site since at least 1999 according the owners of the Site. In addition, the Site has been occupied by multiple commercial tenants since 1928. Historical sources and owner interviews indicate that Tru Val Cleaners was formerly located at 568 Grand Street from approximately 1960 to 2000. The presence of an on-site dry cleaner represents an REC due to the typical use of PCE associated with operations.

According to the regulatory database, the Site is listed as a RCRA SQG, US AIRS, E Designation, FINDS, NY Drycleaners and an EDR US Historic Cleaners sites. These listings are in association with the occupancy of the site as an on-site dry cleaner and according to the regulatory database, no violations were listed for the Site. The Site is equipped with an on site dry cleaning machine; Real Star 323 (RS 323); which is located on the east side of the 1st floor of site. EBC noted that the

basement is below this area. Approximately four (4) 10-gallon containers of used tetrachloroethene ("perc", PCE, dry-cleaning fluid) were observed on the east side of the site adjacent to the RS 323. No secondary containment was noted under these containers.

Based upon reconnaissance of the Site and surrounding properties, interviews and review of historical records and regulatory agency databases, EBC noted the following recognized environmental conditions for the Site.

- Occupancy of the first floor / cellar of the Site as an on-site drycleaner from at least 1999 and the use and storage of tetrachloroethene within the dry cleaning process.

2.0 REMEDIAL INVESTIGATION

2.1 Field Investigation

The field work portion of the RI was conducted by EBC from July 29, 2013 through August 20, 2013. Supplemental sampling was conducted through January 2, 2014 to February 9, 2014. The field investigation consisted of environmental sampling, field observations and measurements to determine:

- Local geologic/hydrogeologic conditions
- Definition of source areas
- Potential migration of contaminants from the site to surrounding areas
- Overall characterization of site-related contamination in all media

The field effort included the collection and analysis of soil, groundwater and soil vapor samples. Drilling services were provided by Eastern Environmental Services (Eastern) of Manorville, NY and LVS Inc. Laboratory services were provided by Phoenix Environmental Laboratories of Manchester, CT. A sample matrix showing the number, type and analysis of samples collected during the Remedial Investigation is provided as **Table 1**.

2.2 Deviations from the Remedial Investigation Work Plan

There were no deviations from the work plan.

2.3 Soil Sampling

2.3.1 Soil Borings

A total of 3 soil borings, B1 through B3, were advanced during the initial site mobilization in July 2013. An additional 10 soil borings (14B4, 14B5, 14B6, 14B7, 14B8, 14B9, 14B10, B-10, B-11 and REF) were installed during the period of January 2, 2014 and February 9, 2014.

The following soil boring location soil samples B1, B2, B3, 14B4, 14B5, 14B6, 14B7, 14B8, 14B9 and 14B10) were collected continuously in 2-foot intervals using a manually operated AMS Dual-Purpose Soil Recovery Probe. The AMS sampler uses a "slap hammer" to drive and retrieve core samples. Soil samples were retrieved using the 1.25-inch diameter 2-foot long sampler with disposable acetate liners. At each sampling location, the soil recovery probe was driven to a depth of approximately 4 feet below grade and a sample was retained representing the 0-2 ft and 2-4 ft interval below basement slab grade.

The following soil boring location soil samples; B-10, B-11 and REF were collected with a GeoprobeTM utilizing direct-push technology. As per the DEC, soil samples were collected from a midway depth and above the ground water table (in the case where no PID readings or visual observation indicated otherwise).

It should be noted that borings B3 and B11 were installed on the 1st floor portion of the site which is at grade. All other borings were installed below the basement slab. The basement of the Site is situated 6.5 feet below grade.

Each soil sample recovered from the soil borings was characterized by a qualified environmental professional (QEP) and field screened for the presence of VOCs using a photo-ionization detector (PID). It should be noted that no soil boring information was retained for MW1. The QEP's field observations and PID readings were recorded for each boring in a soil boring log (see **Appendix A**). The location of soil borings are shown on **Figure 5**.

Retained samples were submitted for laboratory analysis of volatile organic compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs) by Method 8270, pesticides / PCBs by Method 8081 / 8082 and TAL metals.

2.4 Groundwater Sampling

EBC collected a groundwater sample from a monitoring well located in the sidewalk in front of the building (MW1) during a second mobilization in August 2013 to evaluate groundwater quality across the Site. Two additional monitoring wells were installed February 2, 2014 (MW2) and February 9, 2014 (MW3). Sample locations are identified in **Figure 6**. Groundwater samples were collected by installing a one-inch diameter PVC monitoring well, set approximately 5 feet below the water table interface. Groundwater samples were then collected from the well utilizing dedicated polyethylene tubing and a peristaltic pump. The groundwater samples were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted to Phoenix Environmental Laboratories of Manchester, CT, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301). The ground water sample collected on August 21, 2013 was analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082 and TAL metals (total, dissolved). Ground water samples collected on February 4, 2014 and February 9, 2014 were analyzed for VOCs by EPA Method 8260.

2.5 Air Sampling

To assess the presence of VOCs in soil vapor beneath the site, three sub-slab soil vapor samples (SG1-SG3) were collected at the site during the initial mobilization in July 2012. In addition, to the subslab samples, one indoor air sample (IA1) and one outdoor air sample (OA1) were collected at this time. Air sampling locations are shown on **Figure 7**. All air samples were collected over a 2 hr sampling period. Prior to collection the samples an Indoor Air Quality Questionnaire and Building Inventory were completed to document conditions and to identify chemicals stored or in use within the building at the time samples were being collected.

Air samples were collected in accordance with the procedures outlined in the *Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH 10/06)*.

2.5.1 Installation of Soil vapor Implants

Three sub-slab soil vapor implants were installed during the initial mobilization in July 2013. The sub-slab soil gas sampling points were installed by drilling a 1/2 inch hole through the building slab with a handheld drill, and inserting 1/4 inch polyethylene tubing to no more than 2 inches below the base of the slab. The tubing was then sealed at the surface with hydrated granular bentonite. All of the implants were installed utilizing the same technique to minimize possible discrepancies and a

12" x 12" (approx.) plastic sheet.

2.5.2 Surface Seal Test Procedure

In accordance with NYSDOH guidance, a tracer gas (helium) was used as a quality assurance/quality control device to verify the integrity of the sampling point seal prior to collecting the samples. This was accomplished by enriching the air space above the seal with a tracer gas (helium) while continuously monitoring air drawn from the implant with a helium detector (Dielectric Model MGD-2002, Multi-Gas Detector).

The tracer gas test procedure was employed at all 3 sub slab soil vapor sampling locations. All seals tested tight with no infiltration of helium through the surface.

2.5.3 Air Sample Collection

Following verification that the surface seal was tight, one to three volumes (i.e., the volume of the sample probe and tube) were purged with a handheld vacuum pump prior to collecting the samples to ensure samples collected were representative. After purging, a 6-liter summa canister, fitted with a 2-hour flow regulator was attached to the surface tube of each of the sampling points and the valve opened to initiate sampling.

The indoor air and outdoor air samples were collected at the same time as subslab samples. The canisters were elevated approximately 3-4 feet above the ground to be representative of breathing zone conditions.

Sample identification, date, start time, start vacuum, end time and end vacuum were recorded on tags attached to each canister and on a sample log sheet (**Appendix B**). When the remaining vacuum in the canisters was between 5 and 8 inches Hg, (approximately 2 hrs) the valve was closed and the canisters were detached from the sampling tube.

Sample canisters were returned to the EBC office and picked up the following day by a Phoenix laboratory courier and delivered to the laboratory for analysis of VOCs by USEPA Method TO-15.

2.6 Laboratory Analysis

Data tables summarizing the laboratory results are provided in **Tables 2** through **11** and copies of the laboratory reports (with chains-of-custody) are included in digital format in **Appendix C**. Soil sample results were compared to both Unrestricted Use and Restricted Residential Soil Cleanup Objectives (SCOs) as promulgated in 6 NYCRR Subpart 375-6. Groundwater results were compared to NYSDEC Division of Water, Technical & Operational Guidance Series 1.1.1, Ambient Water Quality Standards and Guidance Values (AWQS), June 1998. Soil vapor analytical results were compared to Outdoor Background Levels for Selected Compounds and sub-slab and indoor air guidance levels as presented in the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006, 2002). **Table 12** contains a list of parameters detected above Track 1 unrestricted soil cleanup objectives and the range in detections. **Table 13** contains a list of parameters detected above ambient groundwater standards and the range in detections.

2.6.1 Analytical Results – Soil Samples

A total of 26 soil samples were collected from 13 soil borings for laboratory analysis of one or more of the following depending on location and depth: VOCs (EPA Method 8260), SVOCs (EPA Method 8270), TAL metals and Pesticides/PCBs (EPA Method 8081/8082). All results above Unrestricted Use SCOs are posted on **Figure 8**.

As shown in **Table 2**, with the exception of acetone (a common laboratory introduced contaminant) no VOCs were detected at concentrations above Unrestricted Use SCOs in any of the 26 samples.

As shown in **Table 3**, SVOCs were detected at concentrations above Unrestricted Use SCOs in the following samples:

B3 (2-4 ft) – Chrysene (1,300 µg/kg)

SVOCs were detected at concentrations above Restricted Residential SCOs in the following samples:

B3 (2-4 ft) - Benzo(a)anthracene (1,300 µg/kg), Benzo(b)fluoranthene (1,300 µg/kg)

There were no other SVOCs detected above Unrestricted/Restricted SCOs in any of the remaining samples.

As shown in **Table 4** there were no pesticides or PCBs reported above Unrestricted Use SCOs in any of the samples.

As shown in **Table 5**, Metals detected at concentrations above Unrestricted Use SCOs in the following samples:

B2 (0-2 ft) - Copper (206 mg/kg), Lead (122 mg/kg)

B2 (2-4 ft) - Lead (333 mg/kg)

B3 (0-2 ft) - Cadmium (3.13 mg/kg), Copper (94.2 mg/kg), Lead (386 mg/kg), Zinc (222 mg/kg)

B3 (2-4 ft) - Copper (107 mg/kg), Zinc (173 mg/kg)

Metals detected at concentrations above Restricted Residential Use SCOs were reported in the following samples:

B1 (0-2 ft) - Copper (321 mg/kg), Lead (452 mg/kg)

B1 (2-4 ft) - Arsenic (29.3 mg/kg), Mercury (1.79 mg/kg)

B2 (0-2 ft) - Arsenic (18 mg/kg), Mercury (0.87 mg/kg)

B2 (2-4 ft) - Copper (790 mg/kg)

B3 (0-2 ft) - Mercury (1.51 mg/kg)

B3 (2-4 ft) - Lead (442 mg/kg), Mercury (2.72 mg/kg)

2.6.2 Analytical Results – Groundwater Samples

A total of four ground water samples were collected from three borings for laboratory analysis of one or more of the following: VOCs by EPA Method 8260, SVOCs by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082 and TAL metals (total, dissolved). All results above Unrestricted Use SCOs are posted on **Figure 9**.

As shown in **Table 6**, VOCs were detected at concentrations slightly above NYSDEC Groundwater Standards in the following samples:

MW1- PCE (5.1 µg/l)

MW2- PCE (12 µg/l)

MW3- PCE (16 µg/l)

As summarized in **Table 6-8**, analytical results indicate no SVOC or pesticides / PCB parameters were identified above NYSDEC Groundwater Standards.

As shown in **Tables 9 and 10**, the total concentration (unfiltered) of the following metals were reported in groundwater above water quality standards: aluminum, iron, manganese and sodium. The dissolved concentration of the metals iron, magnesium, manganese and sodium were reported in the sample above their corresponding water quality standards. These parameters are associated with background water quality throughout most of northern Brooklyn and are also associated with brackish water conditions.

Groundwater parameters reported above groundwater standards are presented in **Figure 9**.

2.6.3 Analytical Results – Air Samples

Since the NYSDOH has not established guidance values for VOCs in soil vapor, analytical results were compared to the Summary of Background Levels for Selected Compounds (NYSDOH Database, Outdoor values, 2003) and to sub-slab guidance levels for select parameters as presented in the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006.

Soil vapor samples showed a range of petroleum and chlorinated volatile organic compounds at relatively low concentrations, as shown in **Table 11**. Petroleum related VOCs were generally reported at similar concentrations in sub-slab soil gas, indoor air and outdoor air indicating that they were representative of background conditions.

Elevated levels of the chlorinated VOCs trichloroethylene (TCE) and tetrachloroethylene (PCE) were also detected within sub-slab soil gas, indoor air and outdoor air samples collected at the Site. TCE concentrations in soil gas ranged from 84.8 µg/m³ to 623 µg/m³. TCE concentrations in indoor air and outdoor air were 13.7 µg/m³ and 3.92 µg/m³, respectively. PCE concentrations in soil gas ranged from 7,730 µg/m³ to 228,000 µg/m³. PCE concentrations were 6,230 µg/m³ in indoor air and

3,930 $\mu\text{g}/\text{m}^3$ in the outdoor air control sample. Both PCE and TCE were above the NYSDOH threshold requiring action (mitigation).

Subslab, indoor air and outdoor air sampling results are summarized in **Table 11** and posted on **Figure 10**.

2.6.4 Data Usability Summary Report

Data obtained during this investigation has been submitted for third party validation by H&S Environmental, Inc. of Westborough, Massachusetts. The individual data usability reports (DUSR) for sample groupings will be submitted upon receipt.

3.0 HYDROGEOLOGIC ASSESSMENT AND PHYSICAL SETTING

3.1 Site Topography

The topography of the site and surrounding area was reviewed from the USGS 7.5 minute series topographic map for the Brooklyn Quadrangle. The elevation of the property is approximately 28 feet above the National Geodetic Vertical Datum (NGVD).

3.2 Surrounding Land Use

The surrounding land use includes older mixed use commercial (retail) residential buildings to the east and west along Grand Street, with mixed use and multi-family apartment buildings to the north and south.

The area surrounding the property is highly urbanized and predominantly consists of multi-family residential buildings with mixed-use buildings (residential w/ first floor retail) along main corridors such as Grand Street on which the property fronts, Union Avenue just west of the Site and Lorimer Street just east of the Site. The area is marked by late 19th and early 20th century rowhouses with commercial and industrial properties interspersed throughout the residential sections.

3.3 Regional Geology / Hydrogeology

The geologic setting of Long Island is well documented and consists of crystalline bedrock overlain by layers of unconsolidated deposits. According to geologic maps of the area created by the United States Geologic Survey (USGS), the bedrock in this area of Brooklyn is an igneous intrusive classified as the Ravenswood grano-diorite of middle Ordovician to middle Cambrian age. Unconsolidated sediments overlie the bedrock and consist of Pleistocene aged sand, gravel and silty clays, deposited by glacial-fluvial activity. Non-native fill materials consisting of dredge spoils, rubble and / or other materials have been historically used to raise and improve the drainage of low lying areas.

3.4 Site Geology / Hydrogeology

Subsurface soils at the Site consists of a mixture of a silty non-native fill, to a depth of approximately 2 feet below basement slab grade followed by sandy-silt to a depth of approximately 4 feet below basement slab grade. Groundwater is present under water table conditions at a depth of approximately 22.5 feet below the surface and is expected to flow northwest-toward the East River.

4.0 NATURE AND EXTENT OF CONTAMINATION

4.1 Identification of Source Areas

The past use of the Site as a dry cleaner from late 1999 to 2013 is evidence that CVOC contamination at the site is related to an on-site release. The most likely release scenario would include minor surface spills from the storage of spent or new PCE solvent within the basement. Although EBC observed spent PCE storage on the first floor adjacent to the dry cleaning machine with no evidence of storage in the basement, it may have been stored in the basement in the past.

No other source areas were identified or indicated during this RI. Elevated levels of SVOCs and metals reported in shallow soil throughout the site are characteristic of the historic fill materials present at the site and throughout the area.

4.2 Groundwater Impacts

PCE concentrations were detected in the groundwater sample from the monitoring wells MW1, MW2 and MW3 collected on February 4, 2014 and February 9, 2014, at a concentrations slightly above the GQS. No other VOCs were detected in the groundwater sample.

4.3 Soil-Vapor Impacts

Several petroleum related VOCs were detected in all of the sub-slab soil gas, indoor air and outdoor samples. Total petroleum related volatile organic compounds were generally comparable between subslab, indoor air and outdoor air locations and were consistent with background levels.

Chlorinated VOCs were reported in all samples as well. Elevated levels of the TCE and PCE were detected within sub-slab soil gas, indoor air and outdoor air samples collected at the Site. TCE concentrations in soil gas ranged from 84.8 $\mu\text{g}/\text{m}^3$ to 623 $\mu\text{g}/\text{m}^3$. TCE concentrations in indoor air and outdoor air were 13.7 $\mu\text{g}/\text{m}^3$ and 3.92 $\mu\text{g}/\text{m}^3$, respectively. PCE concentrations in soil gas ranged from 7,730 $\mu\text{g}/\text{m}^3$ to 228,000 $\mu\text{g}/\text{m}^3$. PCE concentrations were 6,230 $\mu\text{g}/\text{m}^3$ in indoor air and 3,930 $\mu\text{g}/\text{m}^3$ in the outdoor air control sample.

4.4 Site Conceptual Model

CVOC contamination at the Site consists mainly of PCE in soil gas though TCE was also reported at elevated levels. In addition, PCE was detected in ground water samples at slightly elevated concentrations. The recent historical use of the site as a dry cleaner, slightly elevated PCE concentrations in groundwater and the high PCE detections in soil gas is evidence that the CVOC contamination at the site is related to an on-site release. Based on recent observations made when the dry cleaner was in operation, it is evident that spent solvent was stored on-site in 10-gallon containers. Although the spent solvent was stored on the first floor next to the dry cleaning machine, new solvent or spent solvent may have been stored in the basement in the past. Access to the basement is through double steel doors in the sidewalk making it a convenient space for the pickup and delivery of stored supplies.

The most likely release scenario would include small surface spills from the storage of new or spent solvent in the basement. The spill(s) may have been just large enough to penetrate the concrete slab, without significantly impacting soil beneath the slab beyond a few inches. The solvent in the concrete would off-gas to indoor air with concentrations declining over time as the solvent in the concrete was depleted. Solvent at the base of the concrete would be trapped beneath the slab resulting in high PCE concentrations in subslab vapors as observed. Based on the concentration distribution, the spill(s) likely occurred in the vicinity of SG3 located near the front (south) of the building. This would be consistent with the storage of solvent in the front portion of the basement near the sidewalk access doors to facilitate pickup and delivery of the 10-gallon storage containers. PCE concentrations within the groundwater are attributed background conditions.

No other source areas were identified or indicated during this RI. Elevated levels of SVOCs and metals reported in shallow soil beneath the basement slab are characteristic of the historic fill materials present at the site and throughout the area.

5.0 QUALITATIVE EXPOSURE ASSESSMENT

The objective of the qualitative exposure assessment under the BCP is to identify potential receptors to the contaminants of concern (COC) that are present at, or migrating from, the site. The identification of exposure pathways describes the route that the COC takes to travel from the source to the receptor. An identified pathway indicates that the potential for exposure exists; it does not imply that exposures actually occur. An exposure pathway has five elements; a contaminant source, release and transport mechanisms, point of exposure, route of exposure and a receptor population.

The potential exposure pathways identified below, represent both current and future exposure scenarios.

5.1 Contaminant Source

The source of CVOCs detected in soil at the site is indicative of surface spills of PCE dry cleaning solvent within the basement of the building which either wicked through the concrete or migrated through cracks or other voids in the concrete floor.

5.2 Contaminant Release and Transport Mechanism

CVOCs present within the concrete are volatilizing to indoor air and to in soil gas, as reported in analytical results from sub-slab soil gas samples SG1, SG2, SG3 and indoor air sample IA1.

5.3 Point of Exposure, Route of Exposure and Potentially Exposed Populations

Potential On-Site Exposures: Remediation workers and construction workers engaged in the excavation of impacted and non-impacted soil at the site may be exposed to CVOCs through several routes. Workers excavating impacted soil may be exposed to CVOCs through inhalation, ingestion and dermal contact. Workers excavating non-impacted soil may be exposed to CVOCs in soil vapor through inhalation. A site specific Health and Safety Plan has been developed to identify and minimize the potential hazards to on-site workers.

Under a future scenario, residents within the renovated building may be exposed to vapor intrusion if remediation of the source area is not completed, and also if mitigation measures are not implemented to protect against contaminated soil vapor intrusion. This potential route of exposure will be reduced in response to the degree and success of source area remediation.

Potential Off-Site Exposures: The entire area is serviced by the New York City Water System which distributes water from the Croton Reservoir system. Since there are no public or private potable supply wells in the area, exposure from contact with tap water is not a concern. Off-site exposure is therefore limited to vapor intrusion from CVOCs migrating from the site. Potential off-site exposure related to CVOC vapor intrusion is a concern. The potentially exposed population in this case would include residents and commercial workers in adjacent buildings.

Potential Off-Site Environmental Impacts: CVOCs in soil have the potential to migrate to the groundwater table and pass beneath the site, the groundwater to surface water discharge pathway

was evaluated. The nearest surface water is the East River approximately 1 mile to the northwest (downgradient). Based upon the low concentrations of CVOC contaminants currently in soil and groundwater at the Site and the distance and position of the site relative to the East River, there are no expected impacts to surface water environments from contaminants potentially migrating beneath or from the Site.

6.0 CONCLUSIONS AND RECOMENDATIONS

Subsurface soils at the Site consists of a mixture of silty soil to a depth of approximately 2 feet below basement slab grade followed by sandy-silt to a depth of approximately 28 feet below basement slab grade.

Groundwater at the Site is present at a depth of approximately 22.5 feet below surface grade. Based upon regional groundwater contour maps, groundwater flows in a northwesterly direction toward the East River.

The results of sampling performed during this RI, identified elevated levels PCE and TCE in soil gas beneath the basement slab and slightly elevated concentrations of PCE in all three monitoring wells. Concentrations for soil gas were highest in the southern end of the property toward Grand Street. Concentrations for groundwater were highest on the north end of the property. This is consistent with the likely spill release scenario which involves incidental spillage of stored waste solvent or new solvent. Given the weight of the 10 gallon containers (approx 135 lbs), if they were stored in the basement it is likely that they would have been stored close to the sidewalk access doors on Grand Street.

Although the timing and volume of the release(s) are unknown they would likely have been of very limited volume which either wicked through the basement slab or migrated through cracks or other voids in the concrete floor. Such small volume spill scenarios typically have very limited impact to soil.

Soil samples collected from beneath the basement slab and on the 1st floor (B-3) reported elevated levels of some metals, SVOCs and pesticides consistent with that associated with historic fill throughout the area. Chlorinated solvents were not detected.

Groundwater samples obtained from the monitoring wells (MW1, MW2 and MW3) located on Site had only a minor detections of PCE from 1.3 ug/l to 16.0 ug/l. PCE in groundwater is frequently encountered in former commercial and mixed use areas of Brooklyn at concentrations up to (and sometimes beyond) 100 ug/L and is considered background conditions for the area. No other contaminants were reported in groundwater.

Off-gassing is occurring either from impacted concrete resulting in elevated concentrations of PCE and TCE in soil gas.

The qualitative exposure assessment identified potential completed routes of exposure to construction workers and remediation workers through inhalation, ingestion and dermal contact during excavation activities. The Health and Safety Plan prepared for the site identifies such exposures and provides instructions for on-site workers to minimize potential exposure. Occupants in the proposed on-site residential building may be exposed to CVOCs through the vapor intrusion pathway if preventive measures are not incorporated into the design of the renovated building.

The exposure assessment also identified potential exposure to commercial workers and residents in adjacent buildings through migrating vapors off-gassing from contaminants in the concrete slab.

Potential environmental impacts through the groundwater to surface water discharge are unlikely based upon the low concentration of CVOCs in groundwater (maximum concentration of 12 µg/L) and the distance to the East River (approximately 1 mile).

Recommendations include the characterization, proper handling and disposal of all soils excavated for structural elements, basement expansion, elevator shaft or subslab plumbing.

Soil vapor intrusion mitigation measures, such as a concrete sealant and sub-slab depressurization system, should be designed and installed as part of the building's planned renovation. Consideration should be given to designing a system which can initially serve as a soil remediation system which can later be modified to a vapor mitigation system. Such a system would use common subslab piping. In the remediation mode, the system would function as a soil vapor extraction system using a high vacuum / low volume regenerative blower connected to a vapor phase carbon treatment system. When VOC recovery levels subside (after 3 months to a year of operation), the regenerative blower can be replaced with a high volume / low vacuum radon-type fan.

Further evaluation of vapor intrusion can also be performed following implementation of the soil vapor extraction system, to determine if conditions improve to the point where active mitigation is unnecessary. The results of this evaluation and the design elements of any remedial and mitigation systems should be incorporated into the Remedial Action Work Plan for the site.

7.0 REFERENCES

6 NYCRR Part 375 Environmental Remediation Programs Subparts 375-1, 375-3 and 375-6

Environmental Business Consultants, *Phase I Environmental Site Assessment Report, 555 Grand Street, Brooklyn, NY. June 2013.*

NYSDEC, Division of Environmental Remediation, May 2004, *Draft Brownfield Program Cleanup Guide.*

NYSDEC, Division of Environmental Remediation, December 2002, *DER-10, Technical Guidance for Site Investigation and Remediation.*

NYSDOH, Center for Environmental Health, October 2006, *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York.*

TABLES

Table 1
555 Grand Street
Brooklyn, NY
Soil Boring / Well Information

SAMPLE ID	Date	Total Depth (ft)	Diameter (in)	Construction Materials	Screen Length (ft)	DTW (ft)
B1	7/29/2013	4	2	AMS Samplers	-	-
B2	7/29/2013	4	2	AMS Samplers	-	-
B3	7/30/2013	4	2	AMS Samplers	-	-
14B4	1/2/2014	4	2	AMS Samplers		
14B5	1/2/2014	4	2	AMS Samplers		
14B6	1/2/2014	4	2	AMS Samplers		
14B7	1/2/2014	4	2	AMS Samplers		
14B8	1/2/2014	4	2	AMS Samplers		
14B9	1/2/2014	4	2	AMS Samplers		
14B10	1/2/2014	4	2	AMS Samplers		
B-10	2/9/2014	28	2	Geo probe		
B-11	2/9/2014	24	2	Geo probe		
REF	2/9/2014	18	2	Geo probe		
MW1	8/20/2013	35	1	PVC	15.00	22.45
MW2	2/4/2014	30	1	PVC	15.00	16.69
MW3	2/9/2014	30	1	PVC	15.00	30

TABLE 2
555 Grand Street,
Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B1				B2				B3					
			(0-2') µg/Kg		(2-4') µg/Kg		(0-2') µg/Kg		(2-4') µg/Kg		(0-2') µg/Kg		Duplicate (0-2') µg/Kg		(2-4') µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
1,1,1-Trichloroethane	680	100,000	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
1,1,2,2-Tetrachloroethane			ND	3.6	ND	3.1	ND	3.6	ND	3.1	ND	3.2	ND	3.3	ND	2.6
1,1,2-Trichloroethane			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
1,1-Dichloroethane	270	26,000	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
1,1-Dichloroethene	330	100,000	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
1,1-Dichloropropene			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
1,2,3-Trichlorobenzene			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
1,2,3-Trichloropropane			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
1,2,4-Trichlorobenzene			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
1,2,4-Trimethylbenzene	3,600	52,000	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
1,2-Dibromo-3-chloropropane			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
1,2-Dibromoethane			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
1,2-Dichlorobenzene	1,100	100,000	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
1,2-Dichloroethane	20	3,100	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
1,2-Dichloropropane			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
1,3,5-Trimethylbenzene	8,400	52,000	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
1,3-Dichlorobenzene	2,400	4,900	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
1,3-Dichloropropane			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
1,4-Dichlorobenzene	1,800	13,000	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
2,2-Dichloropropane			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
2-Chlorotoluene			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
2-Hexanone (Methyl Butyl Ketone)			ND	30	ND	26	ND	30	ND	26	ND	27	ND	28	ND	22
2-Isopropyltoluene			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
4-Chlorotoluene			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
4-Methyl-2-Pentanone			ND	30	ND	26	ND	30	ND	26	ND	27	ND	28	ND	22
Acetone	50	100,000	ND	36	ND	31	ND	36	ND	31	73	32	73	33	61	26
Acrylonitrile			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Benzene	60	4,800	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Bromobenzene			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Bromochloromethane			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Bromodichloromethane			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Bromoform			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Bromomethane			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Carbon Disulfide			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Carbon tetrachloride	760	2,400	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Chlorobenzene	1,100	100,000	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Chloroethane			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Chloroform	370	49,000	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Chloromethane			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
cis-1,2-Dichloroethene	250	100,000	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
cis-1,3-Dichloropropene			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Dibromochloromethane			ND	3.6	ND	3.1	ND	3.6	ND	3.1	ND	3.2	ND	3.3	ND	2.6
Dibromomethane			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Dichlorodifluoromethane			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Ethylbenzene	1,000	41,000	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Hexachlorobutadiene			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Isopropylbenzene			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
m&p-Xylenes	260	100,000	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Methyl Ethyl Ketone (2-Butanone)	120	100,000	ND	36	ND	31	ND	36	ND	31	ND	32	ND	33	ND	26
Methyl t-butyl ether (MTBE)	930	100,000	ND	12	ND	10	ND	12	ND	10	ND	11	ND	11	ND	8.8
Methylene chloride	50	100,000	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Naphthalene	12,000	100,000	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	9.2	4.4
n-Butylbenzene	12,000	100,000	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
n-Propylbenzene	3,900	100,000	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
o-Xylene	260	100,000	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
p-Isopropyltoluene			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
sec-Butylbenzene	11,000	100,000	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Styrene			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
tert-Butylbenzene	5,900	100,000	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Tetrachloroethene	1,300	19,000	420	280	ND	5.2	7.5	5.9	ND	5.1	ND	5.3	6.5	5.5	ND	4.4
Tetrahydrofuran (THF)			ND	12	ND	10	ND	12	ND	10	ND	11	ND	11	ND	8.8
Toluene	700	100,000	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Total Xylenes			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
trans-1,2-Dichloroethene	190	100,000	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
trans-1,3-Dichloropropene			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
trans-1,4-dichloro-2-butene			ND	12	ND	10	ND	12	ND	10	ND	11	ND	11	ND	8.8
Trichloroethene	470	21,000	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Trichlorofluoromethane			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Trichlorotrifluoroethane			ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Vinyl Chloride	20	900	ND	5.9	ND	5.2	ND	5.9	ND	5.1	ND	5.3	ND	5.5	ND	4.4
Total BTEX Concentration			0.0		0.0		0.0		0.0		0.0		0.0		0.0	
Total VOCs Concentration			420		0.0		7.5		0.0		73.0		79.5		70.2	

Notes:

** - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

ND - Not-detected

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSO Guidance Value

TABLE 2
555 Grand Street,
Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	14B4				14B5				14B6				14B7				14B8			
			(0-2')		(2-4')		(0-2')		(2-4')		(0-2')		(2-4')		(0-2')		(2-4')		(0-2')		(2-4')	
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane	680	100,000	<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
1,1,1-Trichloroethane			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
1,1,2,2-Tetrachloroethane			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
1,1,2-Trichloroethane	270 330	26,000 100,000	<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
1,1-Dichloroethane			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
1,1-Dichloroethene			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
1,2-Dichlorobenzene	1,100	100,000	<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
1,2,3-Trichloropropene			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
1,2,4-Trichlorobenzene			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
1,2,4-Trichlorobenzene	3,600	52,000	<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
1,2-Dibromo-3-chloropropane			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
1,2-Dibromomethane			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
1,2-Dichloroethane	20	3,100	<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
1,2-Dichloropropene			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
1,3,5-Trimethylbenzene			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
1,3-Dichlorobenzene	2,400	4,900	<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
1,3-Dichloropropene			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
1,4-Dichlorobenzene			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
2-Chlorotoluene	1,800	13,000	<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
2-Hexanone (Methyl Butyl Ketone)			<27	27	<27	27	<27	27	<27	27	<27	27	<27	27	<27	27	<27	27	<27	27	<27	27
2-Isopropyltoluene			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
4-Chlorotoluene	50	100,000	<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
4-Methyl-2-Pentanone			<27	27	<27	27	<27	27	<27	27	<27	27	<27	27	<27	27	<27	27	<27	27	<27	27
Acetone			<11	11	<11	11	<11	11	<11	11	<11	11	<11	11	<11	11	<11	11	<11	11	<11	11
Acrylonitrile	60	4,800	<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
Benzene			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
Bromobenzene			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
Bromochloromethane			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
Bromodichloromethane			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
Bromomethane			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
Bromonitrobenzene			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
Carbon Disulfide			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
Carbon tetrachloride			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
Chlorobenzene	1,100	100,000	<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
Chloroethane			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
Chloroethene			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
Chloroform	370	49,000	<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
Chloromethane			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
cis-1,2-Dichloroethene			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
cis-1,3-Dichloropropene	250	100,000	<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
Dibromochloromethane			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
Dibromomethane			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
Dichlorodifluoromethane	1,000	41,000	<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
Ethylbenzene			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
Hexachlorobutadiene			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
Isopropylbenzene	260	100,000	<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
m&p-Xylenes			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
Methyl Ethyl Ketone (2-Butanone)			<27	27	<27	27	<27	27	<27	27	<27	27	<27	27	<27	27	<27	27	<27	27	<27	27
Methyl t-butyl ether (MTBE)	50	100,000	<11	11	<11	11	<11	11	<11	11	<11	11	<11	11	<11	11	<11	11	<11	11	<11	11
Methylene chloride			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4
Naphthalene			<5.4	5.4	<5.3	5.3	<5.3	5.3	<5.4	5.4	<5.4	5.4	<5.3	5.3	<5.5	5.5	<5.5	5.5	<5.5	5.5	<5.4	5.4

TABLE 2
555 Grand Street,
Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	14B9				14B10			
			(0-2')		(2-4')		(0-2')		(2-4')	
			µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
			Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
1,1,1-Trichloroethane	680	100,000	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
1,1,2,2-Tetrachloroethane			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
1,1,2-Trichloroethane			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
1,1-Dichloroethane	270	26,000	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
1,1-Dichloroethene	330	100,000	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
1,1-Dichloropropene			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
1,2,3-Trichlorobenzene			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
1,2,3-Trichloropropane			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
1,2,4-Trichlorobenzene			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
1,2,4-Trimethylbenzene	3,600	52,000	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
1,2-Dibromo-3-chloropropane			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
1,2-Dibromoethane			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
1,2-Dichlorobenzene	1,100	100,000	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
1,2-Dichloroethane	20	3,100	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
1,2-Dichloropropane			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
1,3,5-Trimethylbenzene	8,400	52,000	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
1,3-Dichlorobenzene	2,400	4,900	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
1,3-Dichloropropane			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
1,4-Dichlorobenzene	1,800	13,000	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
2,2-Dichloropropane			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
2-Chlorotoluene			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
2-Hexanone (Methyl Butyl Ketone)			< 27	27	< 27	27	< 29	29	< 27	27
2-Isopropyltoluene			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
4-Chlorotoluene			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
4-Methyl-2-Pentanone			< 27	27	< 27	27	< 29	29	< 27	27
Acetone	50	100,000	< 27	27	< 27	27	< 29	29	< 27	27
Acrylonitrile			< 11	11	< 11	11	< 12	12	< 11	11
Benzene	60	4,800	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Bromobenzene			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Bromochloromethane			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Bromodichloromethane			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Bromoforn			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Bromomethane			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Carbon Disulfide			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Carbon tetrachloride	760	2,400	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Chlorobenzene	1,100	100,000	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Chloroethane			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Chloroform	370	49,000	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Chloromethane			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
cis-1,2-Dichloroethene	250	100,000	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
cis-1,3-Dichloropropene			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Dibromochloromethane			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Dibromomethane			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Dichlorodifluoromethane			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Ethylbenzene	1,000	41,000	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Hexachlorobutadiene			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Isopropylbenzene			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
m,p-Xylenes	260	100,000	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Methyl Ethyl Ketone (2-Butanone)	120	100,000	< 27	27	< 27	27	< 29	29	< 27	27
Methyl t-butyl ether (MTBE)	930	100,000	< 11	11	< 11	11	< 12	12	< 11	11
Methylene chloride	50	100,000	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Naphthalene	12,000	100,000	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
n-Butylbenzene	12,000	100,000	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
n-Propylbenzene	3,900	100,000	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
o-Xylene	260	100,000	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
p-Isopropyltoluene			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
sec-Butylbenzene	11,000	100,000	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Styrene			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
tert-Butylbenzene	5,900	100,000	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Tetrachloroethene	1,300	19,000	<5.4	5.4	<5.4	5.4	6.4	5.8	<5.4	5.4
Tetrahydrofuran (THF)			< 11	11	< 11	11	< 12	12	< 11	11
Toluene	700	100,000	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Total Xylenes			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
trans-1,2-Dichloroethene	190	100,000	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
trans-1,3-Dichloropropene			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
trans-1,4-dichloro-2-butene			< 11	11	< 11	11	< 12	12	< 11	11
Trichloroethane	470	21,000	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Trichlorofluoromethane			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Trichlorofluoroethane			<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Vinyl Chloride	20	900	<5.4	5.4	<5.4	5.4	<5.8	5.8	<5.4	5.4
Total BTEX Concentration			0.0		0.0		0.0		0.0	
Total VOCs Concentration			0.0		0.0		6.4		0.0	

Notes:

** - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

ND - Not detected

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSO Guidance Value

TABLE 2
555 Grand Street,
Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B-10				B-11				REF			
			(12)		(28)		(12)		(24)		(6)		(18)	
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
1,1,1-Trichloroethane	680	100,000	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
1,1,2,2-Tetrachloroethane			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
1,1,2-Trichloroethane			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
1,1-Dichloroethane	270	26,000	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
1,1-Dichloroethene	330	100,000	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
1,1-Dichloropropene			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
1,2,3-Trichlorobenzene			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
1,2,3-Trichloropropane			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
1,2,4-Trichlorobenzene			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
1,2,4-Trimethylbenzene	3,600	52,000	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
1,2-Dibromo-3-chloropropane			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
1,2-Dibromoethane			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
1,2-Dichlorobenzene	1,100	100,000	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
1,2-Dichloroethane	20	3,100	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
1,2-Dichloropropane			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
1,3,5-Trimethylbenzene	8,400	52,000	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
1,3-Dichlorobenzene	2,400	4,900	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
1,3-Dichloropropane			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
1,4-Dichlorobenzene	1,800	13,000	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
2,2-Dichloropropane			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
2-Chlorotoluene			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
2-Hexanone (Methyl Butyl Ketone)			< 17	17	< 19	19	< 20	20	< 19	19	< 16	16	< 22	22
2-Isopropyltoluene			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
4-Chlorotoluene			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
4-Methyl-2-Pentanone			< 17	17	< 19	19	< 20	20	< 19	19	< 16	16	< 22	22
Acetone	50	100,000	5.7	3.3	4.1	3.8	< 4.0	4.0	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Acrylonitrile			< 6.6	6.6	< 7.6	7.6	< 8.0	8	< 7.4	7.4	< 6.4	6.4	< 8.8	8.8
Benzene	60	4,800	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Bromobenzene			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Bromochloromethane			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Bromodichloromethane			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Bromoform			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Bromomethane			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Carbon Disulfide			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Carbon tetrachloride	760	2,400	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Chlorobenzene	1,100	100,000	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Chloroethane			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Chloroform	370	49,000	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Chloromethane			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
cis-1,2-Dichloroethene	250	100,000	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
cis-1,3-Dichloropropene			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Dibromochloromethane			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Dibromomethane			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Dichlorodifluoromethane			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Ethylbenzene	1,000	41,000	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Hexachlorobutadiene			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Isopropylbenzene			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
m&p-Xylenes	260	100,000	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Methyl Ethyl Ketone (2-Butanone)	120	100,000	< 20	20	< 23	23	< 24	24	< 22	22	< 19	19	< 26	26
Methyl t-butyl ether (MTBE)	930	100,000	< 6.6	6.6	< 7.6	7.6	< 8.0	8	< 7.4	7.4	< 6.4	6.4	< 8.8	8.8
Methylene chloride	50	100,000	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Naphthalene	12,000	100,000	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
n-Butylbenzene	12,000	100,000	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
n-Propylbenzene	3,900	100,000	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
o-Xylene	260	100,000	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
p-Isopropyltoluene			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
sec-Butylbenzene	11,000	100,000	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Styrene			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
tert-Butylbenzene	5,900	100,000	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Tetrachloroethene	1,300	19,000	290	260	< 3.8	3.8	2.9	4	< 3.7	3.7	1.6	3.2	< 4.4	4.4
Tetrahydrofuran (THF)			< 6.6	6.6	8.2	7.6	< 8.0	8	< 7.4	7.4	< 6.4	6.4	< 8.8	8.8
Toluene	700	100,000	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Total Xylenes			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	190	100,000	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
trans-1,3-Dichloropropene			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
trans-1,4-dichloro-2-butene			< 6.6	6.6	< 7.6	7.6	< 8.0	8	< 7.4	7.4	< 6.4	6.4	< 8.8	8.8
Trichloroethene	470	21,000	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Trichlorofluoromethane			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Trichlorotrifluoroethane			< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Vinyl Chloride	20	900	< 3.3	3.3	< 3.8	3.8	< 4.0	4	< 3.7	3.7	< 3.2	3.2	< 4.4	4.4
Total BTEX Concentration			0.0		0.0		0.0		0.0		0.0		0.0	
Total VOCs Concentration			295.7		12.3		2.9		0.0		1.6		0.0	

Notes:

** - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

ND - Not-detected

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

TABLE 3
555 Grand Street,
Brooklyn, New York
Soil Analytical Results
Semi-Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B1				B2				B3					
			(0-2') µg/Kg		(2-4') µg/Kg		(0-2') µg/Kg		(2-4') µg/Kg		(0-2') µg/Kg		Duplicate (0-2') µg/Kg		(2-4') µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,2,4,5-Tetrachlorobenzene			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
1,2,4-Trichlorobenzene			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
1,2-Dichlorobenzene			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
1,2-Diphenylhydrazine			ND	360	ND	350	ND	360	ND	360	ND	350	ND	360	ND	370
1,3-Dichlorobenzene			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
1,4-Dichlorobenzene			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
2,4,5-Trichlorophenol			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
2,4,6-Trichlorophenol			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
2,4-Dichlorophenol			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
2,4-Dimethylphenol			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
2,4-Dinitrophenol			ND	580	ND	570	ND	580	ND	580	ND	570	ND	580	ND	590
2,4-Dinitrotoluene			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
2,6-Dinitrotoluene			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
2-Chloronaphthalene			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
2-Chlorophenol			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
2-Methylnaphthalene			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
2-Methylphenol (o-cresol)	330	100,000	ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
2-Nitroaniline			ND	580	ND	570	ND	580	ND	580	ND	570	ND	580	ND	590
2-Nitrophenol			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
3&4-Methylphenol (m&p-cresol)			ND	360	ND	350	ND	360	ND	360	ND	350	ND	360	ND	370
3,3'-Dichlorobenzidine			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
3-Nitroaniline			ND	580	ND	570	ND	580	ND	580	ND	570	ND	580	ND	590
4,6-Dinitro-2-methylphenol			ND	1,100	ND	1,000	ND	1,100	ND	1,000	ND	1,000	ND	1,000	ND	1,100
4-Bromophenyl phenyl ether			ND	360	ND	350	ND	360	ND	360	ND	350	ND	360	ND	370
4-Chloro-3-methylphenol			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
4-Chloroaniline			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
4-Chlorophenyl phenyl ether			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
4-Nitroaniline			ND	580	ND	570	ND	580	ND	580	ND	570	ND	580	ND	590
4-Nitrophenol			ND	1,100	ND	1,000	ND	1,100	ND	1,000	ND	1,000	ND	1,000	ND	1,100
Acenaphthene	20,000	100,000	ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	380	260
Acenaphthylene	100,000	100,000	ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
Acetophenone			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
Aniline			ND	1,100	ND	1,000	ND	1,100	ND	1,000	ND	1,000	ND	1,000	ND	1,100
Anthracene	100,000	100,000	ND	260	ND	250	ND	250	ND	250	440	250	470	250	780	260
Benz(a)anthracene	1,000	1,000	ND	260	ND	250	ND	250	ND	250	780	250	790	250	1,300	260
Benzidine			ND	440	ND	420	ND	440	ND	430	ND	420	ND	430	ND	440
Benzo(a)pyrene	1,000	1,000	ND	260	ND	250	ND	250	ND	250	570	250	560	250	930	260
Benzo(b)fluoranthene	1,000	1,000	ND	260	ND	250	ND	250	ND	250	860	250	790	250	1,300	260
Benzo(ghi)perylene	100,000	100,000	ND	260	ND	250	ND	250	ND	250	260	250	ND	250	370	260
Benzo(k)fluoranthene	800	3,900	ND	260	ND	250	ND	250	ND	250	ND	250	290	250	410	260
Benzoic acid			ND	1,100	ND	1,000	ND	1,100	ND	1,000	ND	1,000	ND	1,000	ND	1,100
Benzyl butyl phthalate			ND	260	ND	250	ND	250	ND	250	820	250	1,000	250	450	260
Bis(2-chloroethoxy)methane			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
Bis(2-chloroethyl)ether			ND	360	ND	350	ND	360	ND	360	ND	350	ND	360	ND	370
Bis(2-chloroisopropyl)ether			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
Bis(2-ethylhexyl)phthalate			ND	260	ND	250	ND	250	ND	250	270	250	260	250	ND	260
Carbazole			ND	550	ND	530	ND	540	ND	540	ND	530	ND	540	630	550
Chrysene	1,000	3,900	ND	260	ND	250	ND	250	ND	250	790	250	770	250	1,300	260
Dibenz(a,h)anthracene	330	330	ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
Dibenzofuran	7,000	59,000	ND	260	ND	250	ND	250	ND	250	310	250	330	250	570	260
Diethyl phthalate			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
Dimethylphthalate			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
Di-n-butylphthalate			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
Di-n-octylphthalate			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
Fluoranthene	100,000	100,000	400	260	ND	250	ND	250	450	250	1,900	250	1,800	250	3,300	260
Fluorene	30,000	100,000	ND	260	ND	250	ND	250	ND	250	270	250	300	250	500	260
Hexachlorobenzene			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
Hexachlorobutadiene			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
Hexachlorocyclopentadiene			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
Hexachloroethane			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
Indeno(1,2,3-cd)pyrene	500	500	ND	260	ND	250	ND	250	ND	250	260	250	ND	250	380	260
Isophorone			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
Naphthalene	12,000	100,000	ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	380	260
Nitrobenzene			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
N-Nitrosodimethylamine			ND	360	ND	350	ND	360	ND	360	ND	350	ND	360	ND	370
N-Nitrosodi-n-propylamine			ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
N-Nitrosodiphenylamine			ND	360	ND	350	ND	360	ND	360	ND	350	ND	360	ND	370
Pentachloronitrobenzene			ND	360	ND	350	ND	360	ND	360	ND	350	ND	360	ND	370
Pentachlorophenol	800	6,700	ND	360	ND	350	ND	360	ND	360	ND	350	ND	360	ND	370
Phenanthrene	100,000	100,000	260	260	ND	250	ND	250	300	250	2,100	250	2,100	250	3,800	260
Phenol	330	100,000	ND	260	ND	250	ND	250	ND	250	ND	250	ND	250	ND	260
Pyrene	100,000	100,000	490	260	ND	250	ND	250	560	250	1,500	250	1,500	250	2,800	260
Pyridine			ND	360	ND	350	ND	360	ND	360	ND	350	ND	360	ND	370

Notes:

** - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

ND - Not-detected

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSO Guidance Value

TABLE 4
555 Grand Street,
Brooklyn, New York
Soil Analytical Results
Pesticides PCBs

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B1				B2				B3					
			(0-2') µg/Kg		(2-4') µg/Kg		(0-2') µg/Kg		(2-4') µg/Kg		(0-2') µg/Kg		Duplicate (0-2') µg/Kg		(2-4') µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
4,4' -DDD	3.3	13,000	ND	2.2	ND	2.1	ND	2.1	ND	2.1	ND	2.1	ND*	140	ND	2.2
4,4' -DDE	3.3	8,900	ND	2.2	ND	2.1	ND	2.1	ND	2.1	ND	2.1	ND*	34	ND	2.2
4,4' -DDT	3.3	7,900	ND	2.2	ND	2.1	ND	2.1	ND	2.1	ND	2.1	ND*	34	ND	2.2
a-BHC	20	480	ND	3.5	ND	3.4	ND	3.4	ND	3.4	ND	3.4	ND*	17	ND	3.5
Alachlor			ND	3.5	ND	3.4	ND	3.4	ND	3.4	ND	3.4	ND*	17	ND	3.5
Aldrin	5	97	ND	1.1	ND	1.1	ND	1.1	ND	1.1	ND	1	ND*	5.4	ND	1.1
b-BHC	36	360	ND	3.5	ND	3.4	ND	3.4	ND	3.4	ND	3.4	ND*	17	ND	3.5
Chlordane			ND	11	ND	11	ND	11	ND	11	ND	10	ND*	54	ND	11
d-BHC	40	100,000	ND	3.5	ND	3.4	ND	3.4	ND	3.4	ND	3.4	ND*	17	ND	3.5
Dieldrin	5	200	ND	1.1	ND	1.1	ND	1.1	ND	1.1	ND	1	ND*	5.4	ND	1.1
Endosulfan I	2,400	24,000	ND	3.5	ND	3.4	ND	3.4	ND	3.4	ND	3.4	ND*	17	ND	3.5
Endosulfan II	2,400	24,000	ND	7	ND	6.8	ND	6.9	ND	6.9	ND	6.7	ND*	34	ND	7.1
Endosulfan sulfate	2,400	24,000	ND	7	ND	6.8	ND	6.9	ND	6.9	ND	6.7	ND*	34	ND	7.1
Endrin	14	11,000	ND	7	ND	6.8	ND	6.9	ND	6.9	ND	6.7	ND*	34	ND	7.1
Endrin aldehyde			ND	7	ND	6.8	ND	6.9	ND	6.9	ND	6.7	ND*	34	ND	7.1
Endrin ketone			ND	7	ND	6.8	ND	6.9	ND	6.9	ND	6.7	ND*	34	ND	7.1
g-BHC	100	280	ND	1.1	ND	1.1	ND	1.1	ND	1.1	ND	1	ND*	5.4	ND	1.1
Heptachlor	42	420	ND	2.2	ND	2.1	ND	2.1	ND	2.1	ND	2.1	ND*	11	ND	2.2
Heptachlor epoxide			ND	3.5	ND	3.4	ND	3.4	ND	3.4	ND	3.4	ND*	17	ND	3.5
Methoxychlor			ND	35	ND	34	ND	34	ND	34	ND	34	ND*	170	ND	35
Toxaphene			ND	35	ND	34	ND	34	ND	34	ND	34	ND*	170	ND	35
PCB-1016	100	1,000	ND	73	ND	71	ND	71	ND	72	ND	70	ND	72	ND	74
PCB-1221	100	1,000	ND	73	ND	71	ND	71	ND	72	ND	70	ND	72	ND	74
PCB-1232	100	1,000	ND	73	ND	71	ND	71	ND	72	ND	70	ND	72	ND	74
PCB-1242	100	1,000	ND	73	ND	71	ND	71	ND	72	ND	70	ND	72	ND	74
PCB-1248	100	1,000	ND	73	ND	71	ND	71	ND	72	ND	70	ND	72	ND	74
PCB-1254	100	1,000	ND	73	ND	71	ND	71	ND	72	ND	70	ND	72	ND	74
PCB-1260	100	1,000	ND	73	ND	71	ND	71	ND	72	ND	70	ND	72	ND	74
PCB-1262	100	1,000	ND	73	ND	71	ND	71	ND	72	ND	70	ND	72	ND	74
PCB-1268	100	1,000	ND	73	ND	71	ND	71	ND	72	ND	70	ND	72	ND	74

Notes:

* Due to matrix interference from non target compounds in the sample an elevated RL was reported.

** - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

ND - Non-Detect

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

TABLE 5
555 Grand Street,
Brooklyn, New York
Soil Analytical Results
Metals

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B1				B2				B3					
			(0-2') mg/Kg		(2-4') mg/Kg		(0-2') mg/Kg		(2-4') mg/Kg		(0-2') mg/Kg		Duplicate (0-2') mg/Kg		(2-4') mg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum			7,890	52	8,260	53	8,050	59	8,450	54	10,900	49	11,800	52	12,300	55
Antimony			7.9	3.5	BRL	3.5	BRL	3.9	10.8	3.6	BRL	3.2	BRL	3.4	BRL	3.7
Arsenic	13	16	6.6	0.7	29.3	0.7	18	0.8	6.7	0.7	8	0.6	9.9	0.7	10.7	0.7
Barium	350	400	63.9	0.35	107	0.35	94.6	0.39	64.9	0.36	220	0.32	205	0.34	207	0.37
Beryllium	7.2	72	0.47	0.28	0.52	0.28	0.57	0.31	0.46	0.29	0.47	0.26	0.5	0.27	0.56	0.29
Cadmium	2.5	4.3	0.82	0.35	0.64	0.35	0.9	0.39	0.77	0.36	3.13	0.32	1.47	0.34	1.5	0.37
Calcium			29,500	52	24,600	53	23,900	59	28,300	54	31,400	49	39,200	52	21,800	55
Chromium	30	180	19.5	0.35	23	0.35	22.2	0.39	22.7	0.36	25.9	0.32	24.9	0.34	26.2	0.37
Cobalt			6.14	0.35	6.03	0.35	7.05	0.39	5.53	0.36	7.78	0.32	8.17	0.34	7.69	0.37
Copper	50	270	321	3.5	23.2	0.35	206	3.9	790	3.6	94.2	0.32	107	0.34	107	0.37
Iron			18,800	52	21,100	53	26,300	59	19,300	54	68,600	49	39,400	52	41,400	55
Lead	63	400	452	3.5	32.2	0.35	122	0.39	333	3.6	386	3.2	341	3.4	442	3.7
Magnesium			2,160	5.2	6,830	53	5,180	5.9	2,520	5.4	3,590	4.9	4,210	5.2	3,460	5.5
Manganese	1,600	2,000	243	3.5	592	3.5	666	3.9	253	3.6	572	3.2	556	3.4	500	3.7
Mercury	0.18	0.81	BRL	0.08	1.79	0.08	0.87	0.07	BRL	0.09	1.51	0.07	1.77	0.08	2.72	0.07
Nickel	30	310	29.1	0.35	13.8	0.35	19.8	0.39	17	0.36	23.7	0.32	22	0.34	20.4	0.37
Potassium			1,090	5.2	1,810	5.3	1,530	5.9	1,130	5.4	1,430	4.9	1,570	5.2	1,400	5.5
Selenium	3.9	180	BRL	1.4	BRL	1.4	BRL	1.6	BRL	1.4	BRL	1.3	BRL	1.4	BRL	1.5
Silver	2	180	BRL	2	BRL	0.35	BRL	0.39	BRL	1	BRL	0.32	BRL	0.34	BRL	0.37
Sodium			233	5.2	302	5.3	243	5.9	234	5.4	567	4.9	588	5.2	471	5.5
Thallium			BRL	0.6	BRL	0.6	BRL	0.6	BRL	0.6	BRL	0.5	BRL	0.5	BRL	0.6
Vanadium			26.4	0.35	30.1	0.35	30.9	0.39	29.7	0.36	26.1	0.32	28.1	0.34	35	0.37
Zinc	109	10,000	105	0.35	40.4	0.35	62.7	0.39	95.5	0.36	222	3.2	168	3.4	173	3.7

Notes:

** - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

BRL - Below Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSO Guidance Value

TABLE 6
555 Grand Street,
Brooklyn, New York
Groundwater Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1 µg/L		MW1 2/4/2014 µg/L		MW2 2/4/2014 µg/L		MW3 2/9/2014 µg/L	
		Result	RL						
1,1,1,2-Tetrachloroethane	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1,1-Trichloroethane	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1,2,2-Tetrachloroethane	5	ND	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
1,1,2-Trichloroethane	1	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethane	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethene	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloropropene		ND	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichlorobenzene		ND	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichloropropane	0.04	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trichlorobenzene		ND	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trimethylbenzene	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dibromo-3-chloropropane	0.04	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichlorobenzene	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichloroethane	0.6	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichloropropane	0.94	ND	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6
1,2-Dibromoethane		ND	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3,5-Trimethylbenzene	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichlorobenzene	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichloropropane	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
1,4-Dichlorobenzene	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
2,2-Dichloropropane	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
2-Chlorotoluene	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
2-Hexanone (Methyl Butyl Ketone)		ND	5	< 5.0	5	< 5.0	5	< 5.0	5
2-Isopropyltoluene	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
4-Chlorotoluene	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
4-Methyl-2-Pentanone		ND	5	< 5.0	5	< 5.0	5	< 5.0	5
Acetone		ND	25	< 25	25	< 25	25	< 25	25
Acrylonitrile	5	ND	5	< 5.0	5	< 5.0	5	< 5.0	5
Benzene	1	ND	0.7	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7
Bromobenzene	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
Bromochloromethane	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
Bromodichloromethane		ND	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Bromoform		ND	1	< 1.0	1	< 1.0	1	< 1.0	1
Bromomethane	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
Carbon Disulfide	60	ND	5	< 5.0	5	< 5.0	5	< 5.0	5
Carbon tetrachloride	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
Chlorobenzene	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
Chloroethane	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
Chloroform	7	ND	1	1	1	1.2	1	< 1.0	1
Chloromethane	60	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,2-Dichloroethene	5	ND	1	1.2	1	< 1.0	1	< 1.0	1
cis-1,3-Dichloropropene		ND	0.5	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Dibromochloromethane		ND	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Dibromomethane	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
Dichlorodifluoromethane	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
Ethylbenzene	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
Hexachlorobutadiene	0.5	ND	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Isopropylbenzene	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
m&p-Xylenes	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
Methyl Ethyl Ketone (2-Butanone)		ND	5	< 5.0	5	< 5.0	5	< 5.0	5
Methyl t-butyl ether (MTBE)	10	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
Methylene chloride	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
Naphthalene	10	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
n-Butylbenzene	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
n-Propylbenzene	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
o-Xylene	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
p-Isopropyltoluene		ND	1	< 1.0	1	< 1.0	1	< 1.0	1
sec-Butylbenzene	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
Styrene	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
tert-Butylbenzene	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
Tetrachloroethene	5	1.3	1	5.1	1	12	1	16	1
Tetrahydrofuran (THF)		ND	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Toluene	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
Total Xylenes	5	ND	1	< 2.0	2	< 2.0	2	< 2.0	2
trans-1,2-Dichloroethene	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
trans-1,3-Dichloropropene	0.4	ND	0.5	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
trans-1,4-dichloro-2-butene	5	ND	5	< 5.0	5	< 5.0	5	< 5.0	5
Trichloroethene	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorofluoromethane	5	ND	1	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorotrifluoroethane		ND	1	< 1.0	1	< 1.0	1	< 1.0	1
Vinyl Chloride	2	ND	1	< 1.0	1	< 1.0	1	< 1.0	1

Notes:

ND - Not detected

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 7
555 Grand Street,
Brooklyn, New York
Groundwater Analytical Result
Semi-Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1 µg/L	
		Result	RL
1,2,4,5-Tetrachlorobenzene		ND	1.8
1,2,4-Trichlorobenzene		ND	5.6
1,2-Dichlorobenzene		ND	5.6
1,2-Diphenylhydrazine		ND	5.6
1,3-Dichlorobenzene		ND	5.6
1,4-Dichlorobenzene		ND	5.6
2,4,5-Trichlorophenol	3	ND	11
2,4,6-Trichlorophenol	3	ND	11
2,4-Dichlorophenol		ND	11
2,4-Dimethylphenol		ND	11
2,4-Dinitrophenol		ND	56
2,4-Dinitrotoluene	5	ND	5.6
2,6-Dinitrotoluene	5	ND	5.6
2-Chloronaphthalene	10	ND	5.6
2-Chlorophenol		ND	11
2-Methylnaphthalene		ND	5.6
2-Methylphenol (o-cresol)		ND	11
2-Nitroaniline	5	ND	56
2-Nitrophenol		ND	11
3&4-Methylphenol (m&p-cresol)		ND	11
3,3'-Dichlorobenzidine	5	ND	56
3-Nitroaniline	5	ND	56
4,6-Dinitro-2-methylphenol		ND	56
4-Bromophenyl phenyl ether		ND	5.6
4-Chloro-3-methylphenol		ND	22
4-Chloroaniline	5	ND	22
4-Chlorophenyl phenyl ether		ND	5.6
4-Nitroaniline	5	ND	22
4-Nitrophenol		ND	56
Acenaphthene	20	ND	0.056
Acenaphthylene		ND	0.056
Acetophenone		ND	5.6
Aniline		ND	11
Anthracene	50	ND	5.6
Benzo(a)anthracene	0.002	ND	0.044
Benzidine	5	ND	56
Benzo(a)pyrene		ND	0.056
Benzo(b)fluoranthene	0.002	ND	0.056
Benzo(g,h,i)perylene		ND	3.3
Benzo(k)fluoranthene	0.002	ND	0.056
Benzoic Acid		ND	56
Benzyl Butyl phthalate		ND	5.6
Bis(2-chloroethoxy)methane	5	ND	5.6
Bis(2-chloroethyl)ether	1	ND	5.6
Bis(2-chloroisopropyl)ether		ND	5.6
Bis(2-ethylhexyl)phthalate	5	ND	1.8
Carbazole		ND	5.6
Chrysene	0.002	ND	0.056
Dibenzo(a,h)anthracene		ND	0.011
Dibenzofuran		ND	5.6
Diethylphthalate	50	ND	5.6
Dimethylphthalate	50	ND	5.6
Di-n-butylphthalate	50	ND	5.6
Di-n-octylphthalate	50	ND	5.6
Fluoranthene	50	ND	5.6
Hexachlorobenzene	0.04	ND	0.067
Fluorene	50	ND	5.6
Hexachlorobutadiene	0.5	ND	5.6
Hexachlorocyclopentadiene	5	ND	5.6
Hexachloroethane	5	ND	2.7
Indeno(1,2,3-cd)pyrene	0.002	ND	0.056
Isophorone	50	ND	5.6
Naphthalene	10	ND	5.6
Nitrobenzene	0.4	ND	5.6
N-Nitrosodimethylamine		ND	5.6
N-Nitrosodi-n-propylamine		ND	5.6
N-Nitrosodiphenylamine	50	ND	5.6
Pentachloronitrobenzene		ND	0.11
Pentachlorophenol		ND	0.89
Phenanthrene	50	ND	0.056
Phenol		ND	5.6
Pyrene	50	ND	5
Pyridine		ND	0.56

Notes:

ND - Not detected

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 8
555 Grand Street,
Brooklyn, New York
Groundwater Analytical Results
Pesticides/PCBs

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1 µg/L	
		Result	RL
PCB-1016	0.09	ND	0.053
PCB-1221	0.09	ND	0.053
PCB-1232	0.09	ND	0.053
PCB-1242	0.09	ND	0.053
PCB-1248	0.09	ND	0.053
PCB-1254	0.09	ND	0.053
PCB-1260	0.09	ND	0.053
PCB-1262	0.09	ND	0.053
PCB-1268	0.09	ND	0.053
4,4-DDD	0.3	ND	0.01
4,4-DDE	0.2	ND	0.01
4,4-DDT	0.11	ND	0.01
a-BHC	0.94	ND	0.01
Alachlor		ND	0.075
Aldrin		ND	0.002
b-BHC	0.04	ND	0.005
Chlordane	0.05	ND*	0.12
d-BHC	0.04	ND	0.025
Dieldrin	0.004	ND	0.002
Endosulfan I		ND	0.05
Endosulfan II		ND	0.05
Endosulfan Sulfate		ND	0.05
Endrin		ND	0.01
Endrin aldehyde	5	ND	0.05
Endrin ketone		ND	0.05
gamma-BHC	0.05	ND	0.025
Heptachlor	0.04	ND	0.01
Heptachlor epoxide	0.03	ND	0.01
Methoxychlor	35	ND	0.1
Toxaphene		ND	0.25

Notes:

ND - Non-detect

ND* - Due to matrix interference from non target compounds in the sample an elevated RL was repc

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 9
555 Grand Street,
Brooklyn, New York
Groundwater Analytical Results
TAL Metals

Compound	NYSDEC Groundwater Quality Standards mg/L	MW1 mg/L	
		Result	RL
Aluminum	0.1	0.542	0.01
Antimony	0.003	BRL	0.005
Arsenic	0.025	BRL	0.004
Barium	1	0.065	0.002
Beryllium	0.003	BRL	0.001
Cadmium	0.005	BRL	0.001
Calcium	NS	57.7	0.01
Chromium	0.05	0.002	0.001
Cobalt	NS	0.004	0.002
Copper	0.2	BRL	0.005
Iron	0.5	0.872	0.01
Lead	0.025	BRL	0.002
Magnesium	35	17.6	0.01
Manganese	0.3	1.93	0.001
Mercury	0.0007	BRL	0.0002
Nickel	0.1	0.009	0.001
Potassium	NS	5.3	0.1
Selenium	0.01	BRL	0.01
Silver	0.05	BRL	0.001
Sodium	2	80.1	1
Thallium	0.0005	BRL	0.002
Vanadium	NS	BRL	0.002
Zinc	2	0.039	0.002

Notes:

BRL - Below Reporting Limit

NS - No Standard

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 10
555 Grand Street,
Brooklyn, New York
Groundwater Analytical Results
TAL Filtered Metals

Compound	NYSDEC Groundwater Quality Standards mg/L	MW1 mg/L	
		Result	RL
Aluminum	0.1	0.09	0.01
Antimony	0.003	BRL	0.005
Arsenic	0.025	BRL	0.004
Barium	1	0.063	0.002
Beryllium	0.003	BRL	0.001
Cadmium	0.005	BRL	0.001
Calcium	NS	59	0.01
Chromium	0.05	BRL	0.001
Cobalt	NS	0.004	0.001
Copper	0.2	BRL	0.005
Iron	0.5	BRL	0.011
Lead	0.025	BRL	0.002
Magnesium	35	18	0.01
Manganese	0.3	1.95	0.001
Mercury	0.0007	BRL	0.0002
Nickel	0.1	0.01	0.001
Potassium	NS	5.2	0.1
Selenium	0.01	BRL	0.011
Silver	0.05	BRL	0.001
Sodium	2	74	1.1
Thallium	0.0005	BRL	0.002
Vanadium	NS	BRL	0.002
Zinc	2	0.036	0.002

Notes:

BRL - Below Reporting Limit

NS - No Standard

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 11
555 Grand Street,
Brooklyn, New York
Soil Gas - Volatile Organic Compounds

COMPOUNDS	NYSDOH Maximum Sub-Slab Value (µg/m ³) ^(a)	NYSDOH Soil Outdoor Background Levels (µg/m ³) ^(b)	SG-1 (µg/m ³)		SG-2 (µg/m ³)		SG-3 (µg/m ³)		IA-1 (µg/m ³)		OA-1 (µg/m ³)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			ND	1	ND	1	ND	1	ND	1	ND	1
1,1,1-Trichloroethane	100	<2.0 - 2.8	ND	1	ND	1	ND	1	ND	1	ND	1
1,1,2,2-Tetrachloroethane		<1.5	ND	1	ND	1	ND	1	ND	1	ND	1
1,1,2-Trichloroethane		<1.0	ND	1	ND	1	ND	1	ND	1	ND	1
1,1-Dichloroethane		<1.0	ND	1	ND	1	ND	1	ND	1	ND	1
1,1-Dichloroethene		<1.0	ND	1	1.62	1	ND	1	ND	1	ND	1
1,2,4-Trichlorobenzene		NA	ND	1	ND	1	ND	1	ND	1	ND	1
1,2,4-Trimethylbenzene		<1.0	23.3	1	13.3	1	22.9	1	15.1	1	7.71	1
1,2-Dibromoethane		<1.5	ND	1	ND	1	ND	1	ND	1	ND	1
1,2-Dichlorobenzene		<2.0	ND	1	ND	1	ND	1	ND	1	ND	1
1,2-Dichloroethane		<1.0	ND	1	ND	1	ND	1	ND	1	ND	1
1,2-Dichloropropane			ND	1	ND	1	ND	1	ND	1	ND	1
1,2-Dichlorotetrafluoroethane			ND	1	ND	1	ND	1	ND	1	ND	1
1,3,5-Trimethylbenzene		<1.0	5.4	1	3.34	1	5.75	1	3.88	1	1.87	1
1,3-Butadiene		NA	ND	1	ND	1	ND	1	ND	1	ND	1
1,3-Dichlorobenzene		<2.0	ND	1	ND	1	ND	1	ND	1	ND	1
1,4-Dichlorobenzene		NA	ND	1	ND	1	ND	1	ND	1	ND	1
1,4-Dioxane			ND	1	ND	1	ND	1	ND	1	ND	1
2-Hexanone			ND	1	ND	1	ND	1	ND	1	ND	1
4-Ethyltoluene		NA	3.19	1	1.87	1	4.52	1	3.19	1	1.62	1
4-Isopropyltoluene			2.63	1	1.59	1	1.81	1	1.7	1	ND	1
4-Methyl-2-pentanone			19.7	1	13.4	1	25.2	1	12	1	17.9	1
Acetone		NA	20	1	16	1	71	1	36	1	3,890	1
Acrylonitrile			ND	1	ND	1	ND	1	ND	1	ND	1
Benzene		<1.6 - 4.7	1.47	1	4.85	1	12	1	2.14	1	1.37	1
Benzyl Chloride		NA	ND	1	ND	1	ND	1	ND	1	ND	1
Bromodichloromethane		<5.0	ND	1	ND	1	ND	1	ND	1	ND	1
Bromoform		<1.0	ND	1	ND	1	ND	1	ND	1	ND	1
Bromomethane		<1.0	ND	1	ND	1	ND	1	ND	1	ND	1
Carbon Disulfide		NA	1.03	1	1.52	1	3.58	1	ND	1	2.83	1
Carbon Tetrachloride	5	<3.1	1.13	0.25	0.754	0.25	0.566	0.25	0.503	0.25	0.503	0.25
Chlorobenzene		<2.0	ND	1	ND	1	ND	1	ND	1	ND	1
Chloroethane		NA	ND	1	ND	1	ND	1	ND	1	ND	1
Chloroform		<2.4	128	1	250	1	31.9	1	5.02	1	1.85	1
Chloromethane		<1.0 - 1.4	ND	1	ND	1	ND	1	ND	1	110	1
cis-1,2-Dichloroethene		<1.0	618	1	792	1	24.9	1	10.8	1	3.92	1
cis-1,3-Dichloropropene		NA	ND	1	ND	1	ND	1	ND	1	ND	1
Cyclohexane		NA	8.08	1	5.33	1	7.67	1	6.3	1	8.91	1
Dibromochloromethane		<5.0	ND	1	ND	1	ND	1	ND	1	ND	1
Dichlorodifluoromethane		NA	2.32	1	1.98	1	2.37	1	2.67	1	2.12	1
Ethanol			392	1	220	1	188	1	220	1	476	1
Ethyl Acetate		NA	5.54	1	3.85	1	3.49	1	5.4	1	7.42	1
Ethylbenzene		<4.3	1.17	1	1.43	1	1.39	1	ND	1	0.998	1
Heptane		NA	ND	1	1.1	1	1.31	1	1.02	1	1.6	1
Hexachlorobutadiene		NA	ND	1	ND	1	ND	1	ND	1	ND	1
Hexane		<1.5	3.38	1	2.68	1	7.5	1	3.66	1	ND	1
Isopropylalcohol		NA	12.1	1	9.95	1	6.61	1	8.01	1	23	1
Isopropylbenzene			ND	1	ND	1	ND	1	ND	1	ND	1
Xylene (m&p)		<4.3	3.6	1	3.9	1	3.86	1	2.69	1	3.04	1
Methyl Ethyl Ketone			5.54	1	5.16	1	8.66	1	3.45	1	33	1
MTBE		NA	ND	1	ND	1	ND	1	ND	1	ND	1
Methylene Chloride		<3.4	5.03	1	5.1	1	7.57	1	6.7	1	2.74	1
n-Butylbenzene			4.66	1	2.25	1	2.69	1	2.91	1	1.15	1
Xylene (o)		<4.3	1.78	1	1.82	1	ND	1	1.26	1	1.3	1
Propylene		NA	1.31	1	3.08	1	7.38	1	4.44	1	40.8	1
sec-Butylbenzene			4.28	1	2.03	1	2.19	1	2.58	1	1.04	1
Styrene		<1.0	ND	1	ND	1	ND	1	ND	1	ND	1
Tetrachloroethene	100		7,730	0.25	10,800	0.25	228,000	0.25	6,230	0.25	3,930	0.25
Tetrahydrofuran		NA	7.31	1	9.67	1	10.1	1	ND	1	13.1	1
Toluene		1.0 - 6.1	6.48	1	6.93	1	8.66	1	4.78	1	5.31	1
trans-1,2-Dichloroethene		NA	4.16	1	5.55	1	1.23	1	ND	1	ND	1
trans-1,3-Dichloropropene		NA	ND	1	ND	1	ND	1	ND	1	ND	1
Trichloroethene	5	<1.7	84.8	0.25	380	0.25	623	0.25	13.7	0.25	3.92	0.25
Trichlorofluoromethane		NA	1.35	1	1.35	1	1.46	1	1.29	1	1.29	1
Trichlorotrifluoroethane			ND	1	ND	1	ND	1	ND	1	ND	1
Vinyl Chloride		<1.0	0.996	0.25	9.02	0.25	ND	0.25	ND	0.25	ND	0.25

Notes:

NA No guidance value or standard available

(a) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October 2006. New York State Department of Health.

(b) NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005, Summary of Background Levels for Selected Compounds (NYSDOH Database, Outdoor values)

Value detected above NYSDOH Air Guidance Value of 5 µg/m³, which according to Soil Vapor/Indoor Air Matrix 1 would require at a minimum, mitigation.

TABLE 11
555 Grand Street,
Brooklyn, New York
Soil Gas - Volatile Organic Compounds

Value detected above NYSDOH Air Guidance Value of 100 µg/m3, which according to Soil Vapor/Indoor Air Matrix 2 would require at a minimum, mitigation.

TABLE 12
555 Grand Street
Brooklyn, NY
Parameters Detected Above Track 1 Soil Cleanup Objectives

COMPOUND	Range in Exceedances	Frequency of Detection	B1		B2		B3	
			(0-2')	(2-4')	(0-2')	(2-4')	(0-2')	(2-4')
<i>Sample Results in µg/kg</i>								
Acetone	61-73	2					73	61
<i>Sample Results in µg/kg</i>								
Benzo(a)anthracene	1,300	1						1,300
Benzo(b)fluoranthene	1,300	1						1,300
Chrysene	1,300	1						1,300
<i>Sample Results in µg/kg</i>								
Arsenic	18-29.3	2		29.3	18			
Cadmium	3.13	1					3.13	
Copper	94.2-799	5	321		206	799	94.2	107
Lead	122-452	5	452		122	333	386	442
Mercury	0.87-2.72	4		1.79	0.87		1.51	2.72

TABLE 13
555 Grand Street
Brooklyn, NY
Parameters Detected Above Ambient Water Quality Standards

Metals (dissolved)

COMPOUND	Range in Detections	MW1
<i>Sample Results in (mg/L)</i>		
Manganese	1.95	1.95
Sodium	74	74

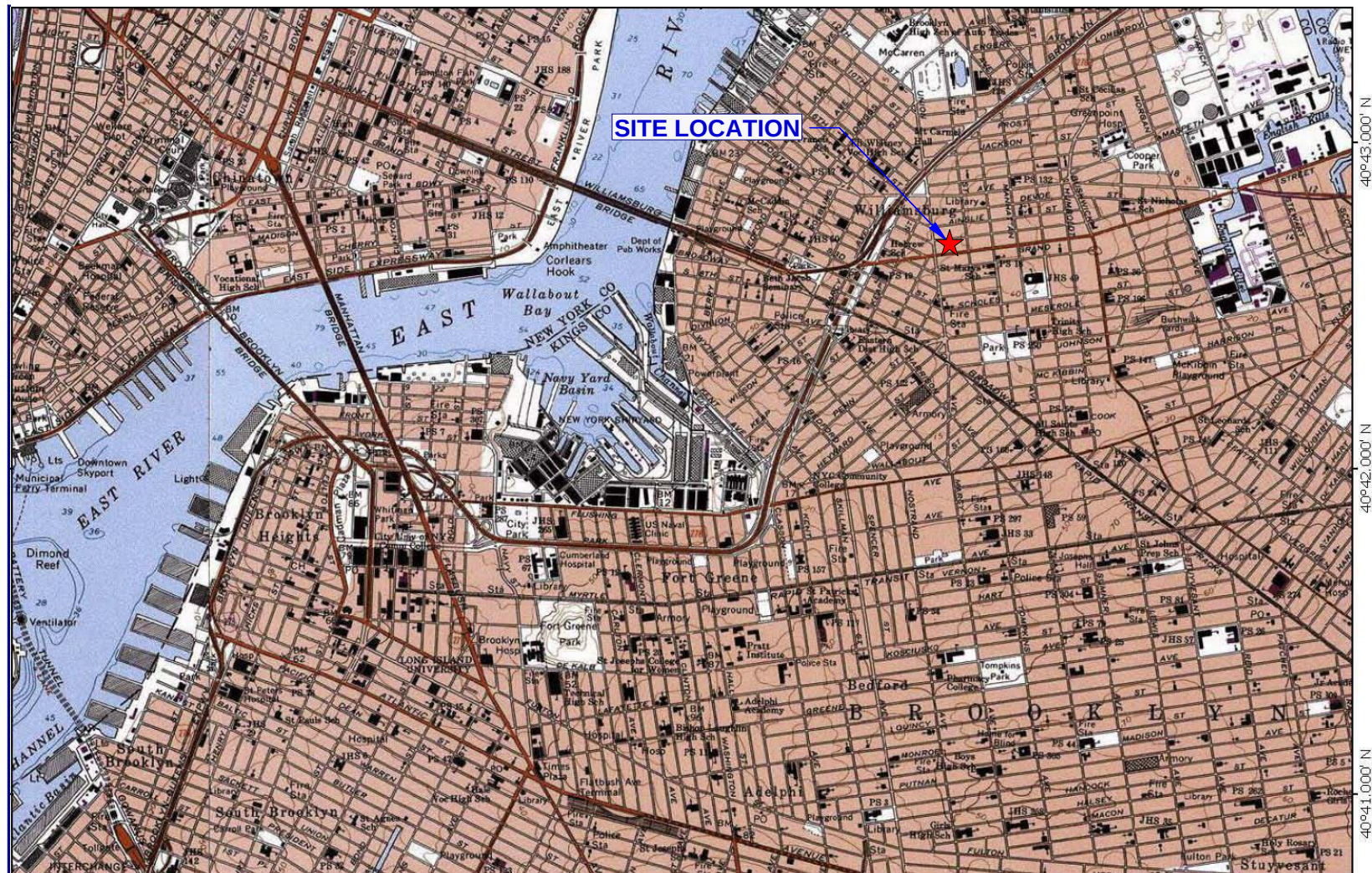
Metals (total)

COMPOUND	Range in Detections	MW1
<i>Sample Results in (mg/L)</i>		
Aluminum	0.542	0.542
Iron	0.872	0.872
Manganese	1.93	1.93
Sodium	80.1	80.1

VOCs

COMPOUND	Range in Detections	MW1	MW2	MW3
<i>Sample Results in (mg/L)</i>				
PCE	5.1-16	5.1	12	16

FIGURES



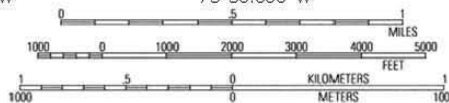
74°00.000' W

73°59.000' W

73°58.000' W

73°57.000' W

WGS84 73°56.000' W



USGS Brooklyn Quadrangle 1995, Contour Interval = 10 feet

MINI TN
13°
10/30/11



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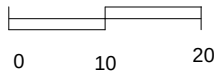
Phone 631.504.6000
Fax 631.924.2780

**555 GRAND STREET
BROOKLYN, NY**

FIGURE 1 SITE LOCATION MAP



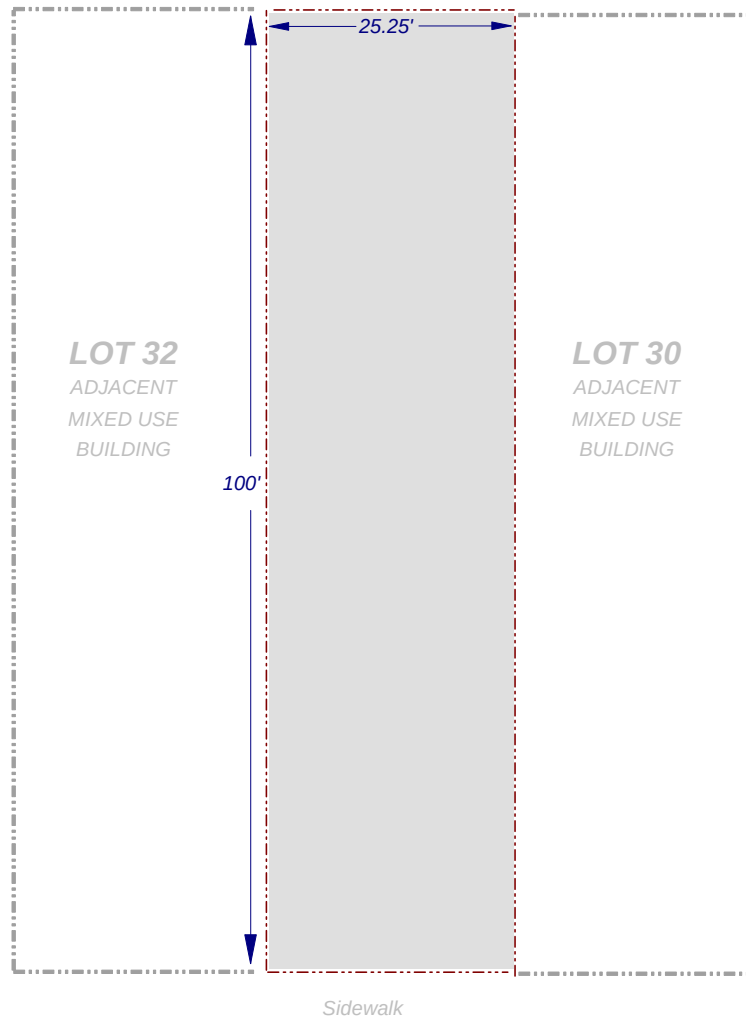
SCALE:



1 Inch = 20 feet

KEY:

--- Property Boundary



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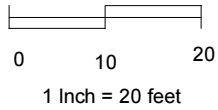
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**555 GRAND STREET
BROOKLYN, NY**

FIGURE 2 SITE BOUNDARY MAP

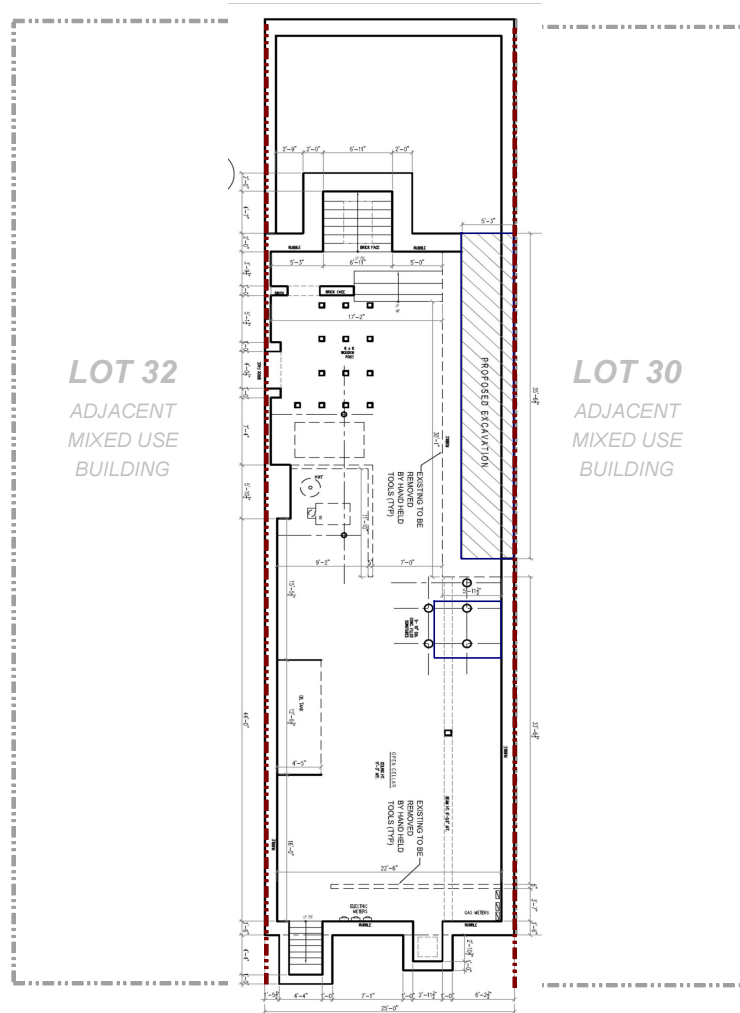


SCALE:



KEY:

- Property Boundary
- Areas of Excavation



GRAND STREET



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1808 Middle Country Road, Ridge, NY 11961

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BROOKLYN, NY

FIGURE 3 Redevelopment Plan



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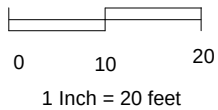
Phone 631.504.6000
Fax 631.924.2870

Figure No.
4

Site Name:	555 Grand Street
Site Address:	555 Grand Street, Brooklyn, NY
Drawing Title:	SURROUNDING LAND USE

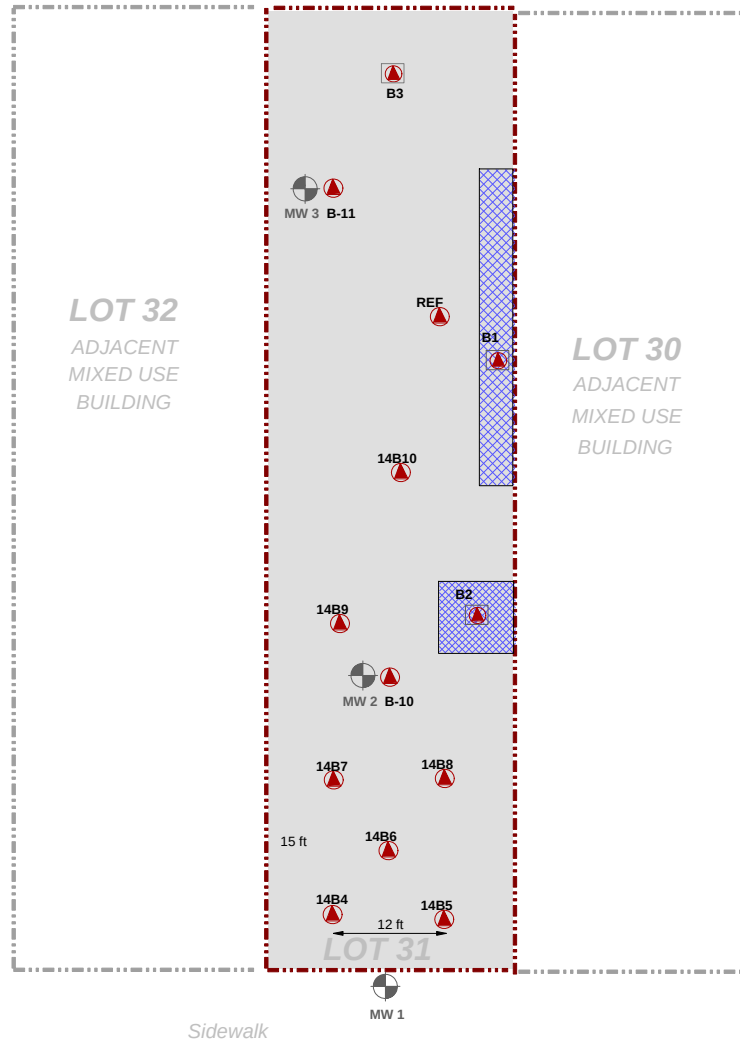


SCALE:



KEY:

-  Property Boundary
-  14Bx Previous Soil Boring Location
-  MWx Ground Water Well Location
-  Areas of Excavation



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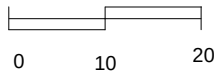
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555 GRAND STREET
BROOKLYN, NY

FIGURE 4 SOIL BORING LOCATIONS



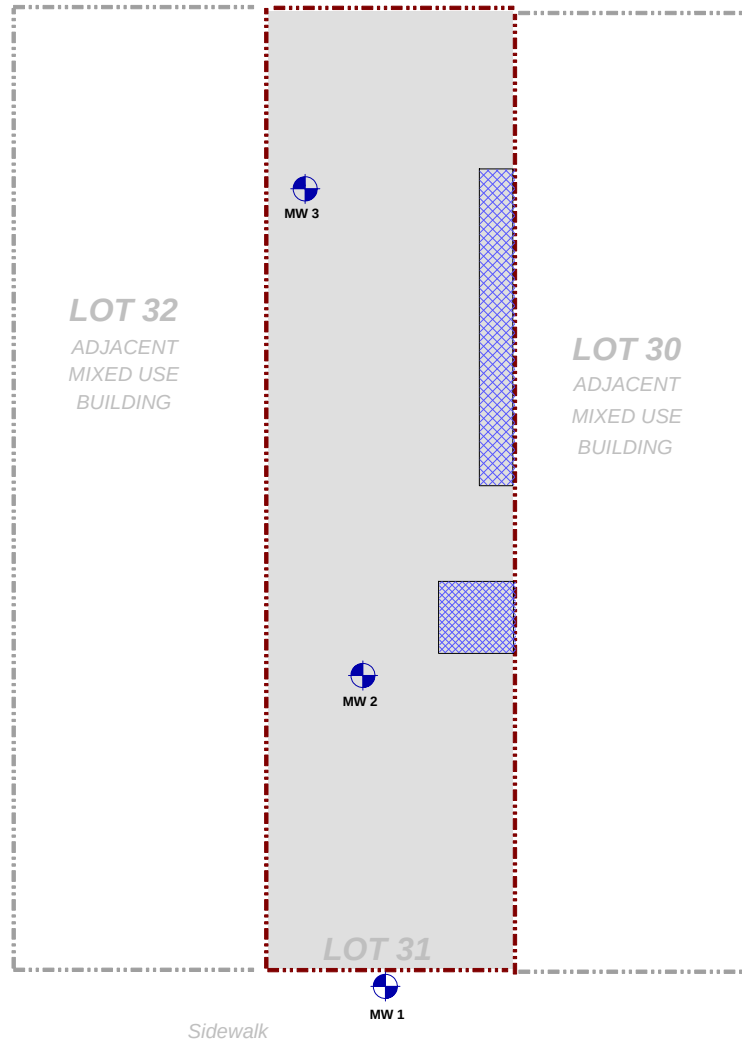
SCALE:



1 Inch = 20 feet

KEY:

-  Property Boundary
-  14Bx
MWx Ground Water Well Location
-  Areas of Excavation



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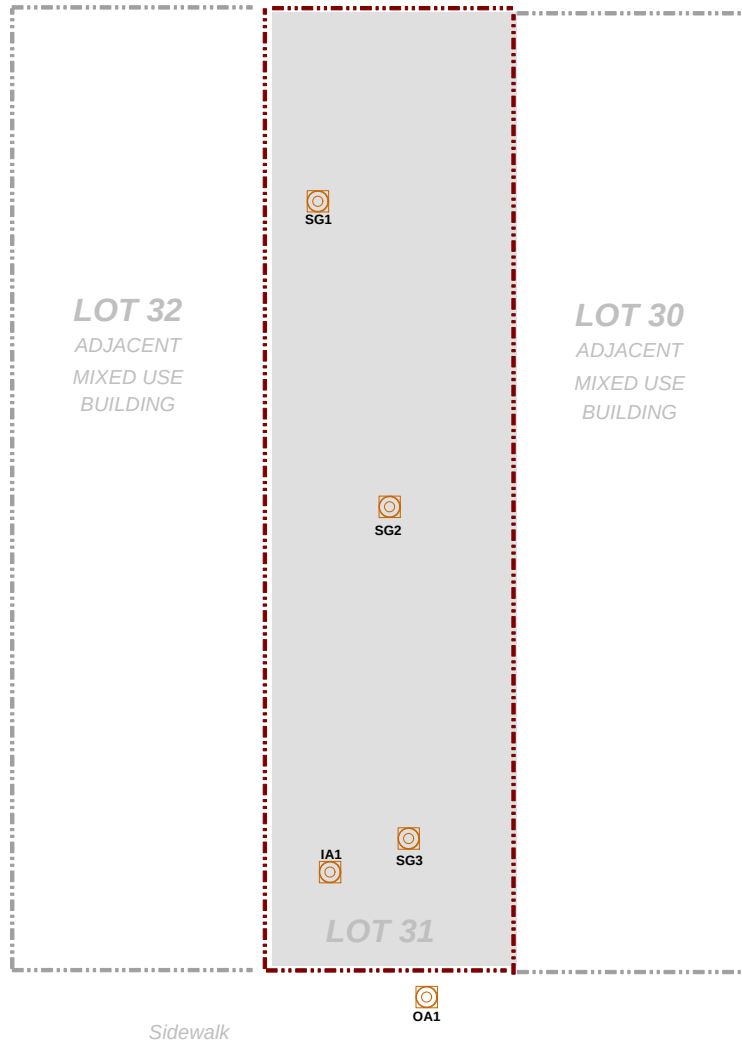
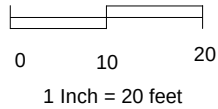
FIGURE 6 GROUNDWATER SAMPLE LOCATIONS



KEY:

- Property Boundary
○ Air Sampling Location

SCALE:



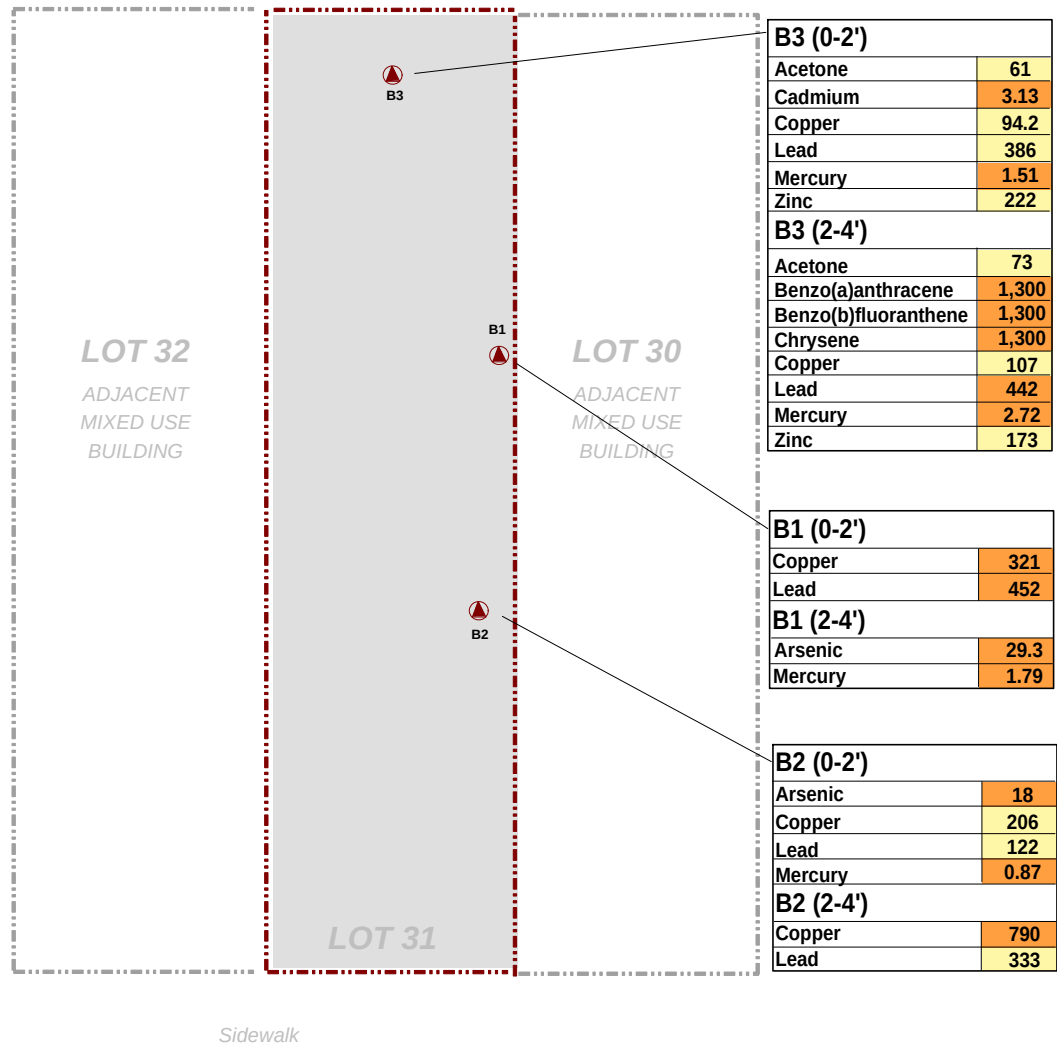
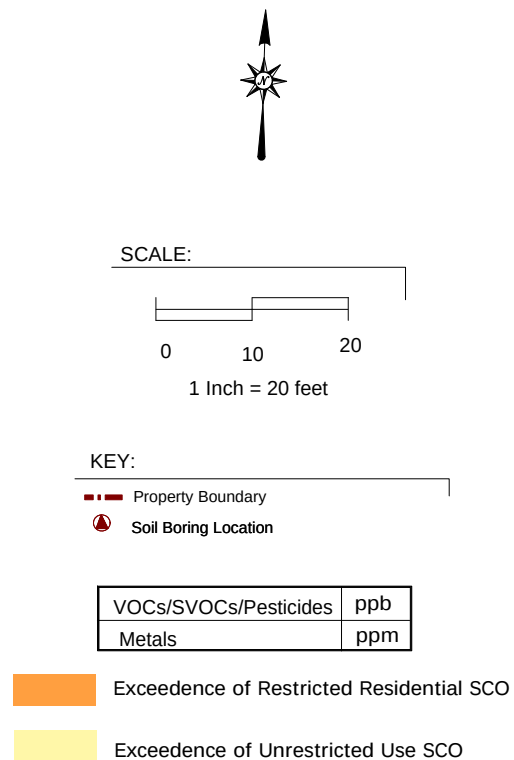
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**555 GRAND STREET
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FIGURE 7

**SOIL GAS
LOCATIONS**



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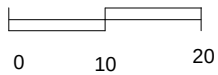
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FIGURE 8 SOIL RESULTS ABOVE SCOs



SCALE:



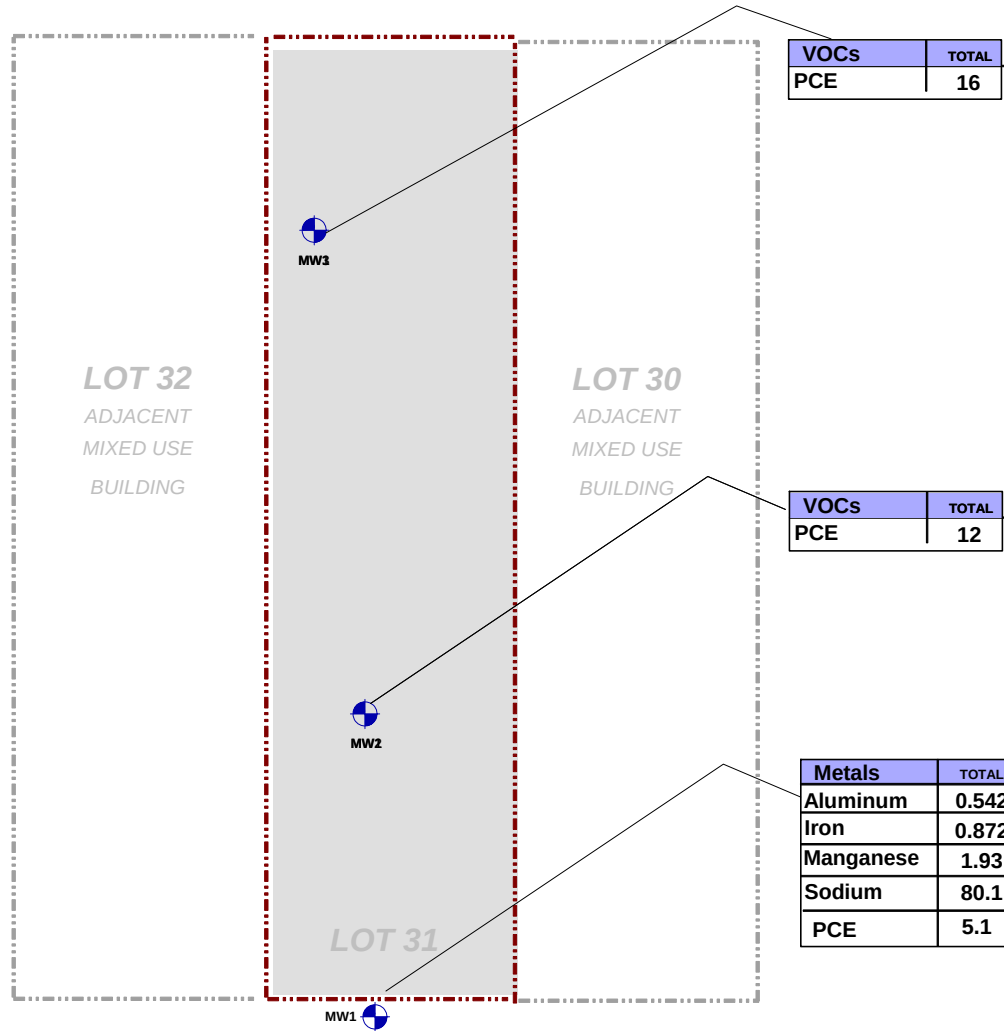
1 Inch = 20 feet

KEY:

- Property Boundary
- Groundwater Sampling Location

Metals ppm

Results based on NYS Groundwater Quality Standards



Sidewalk

GRAND STREET



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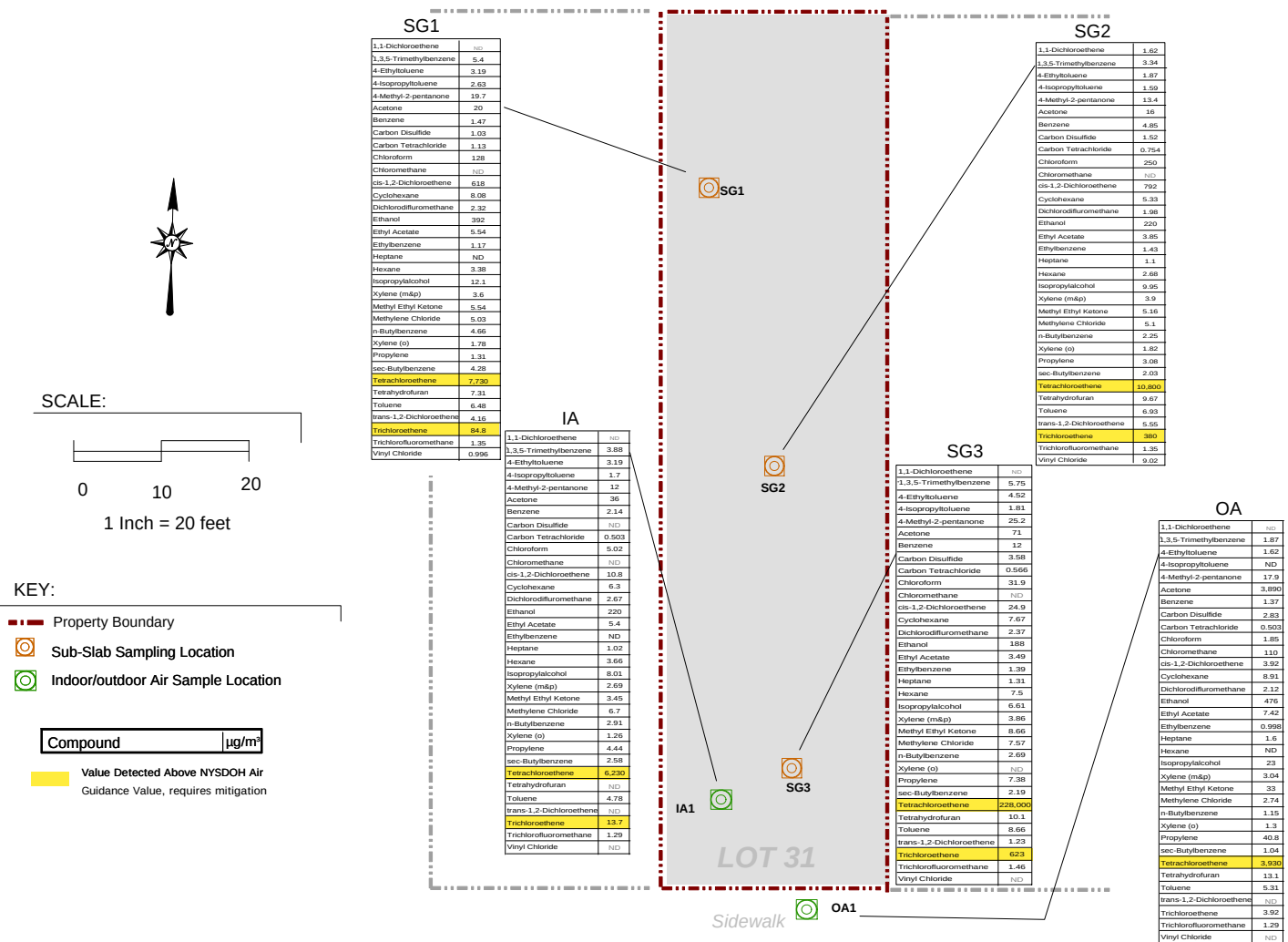
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FIGURE 9 GROUNDWATER
EXCEEDANCES



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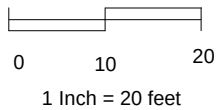
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555 GRAND STREET
BROOKLYN, NY

FIGURE 10 SOIL GAS DETECTIONS

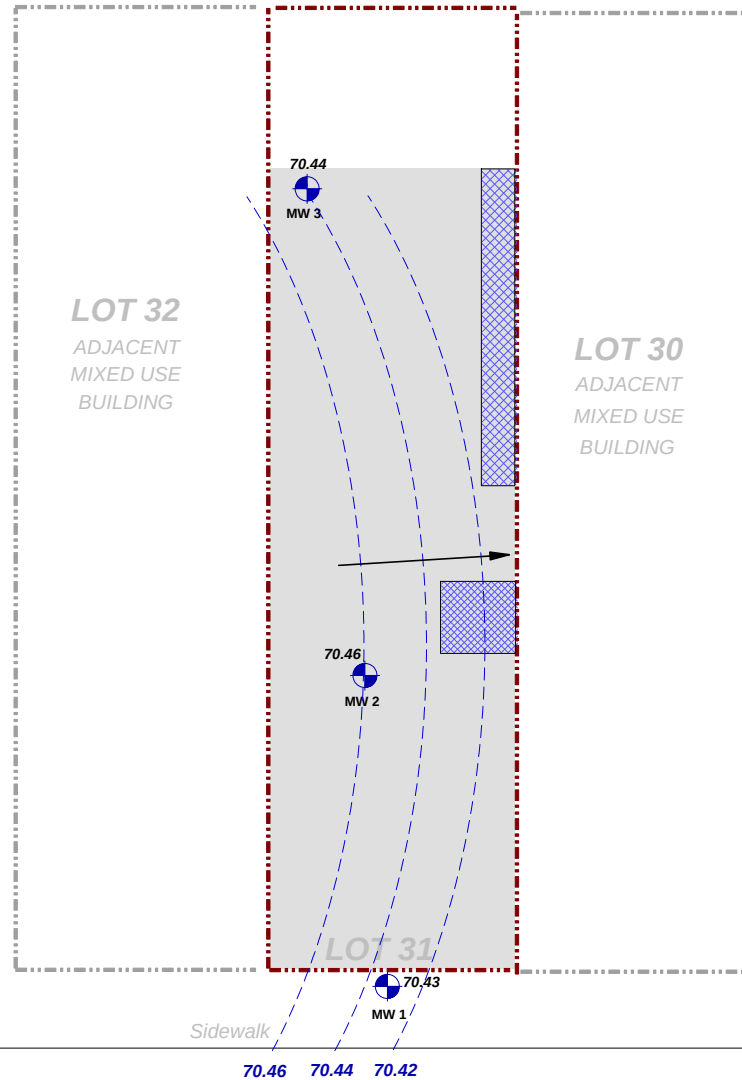


SCALE:



KEY:

- Property Boundary
- MWx Ground Water Well Location
- Areas of Excavation
- 70.46** Groundwater Elevations 2/9/2014
- Groundwater Contour
- Groundwater Flow Direction



GRAND STREET

EB

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**555 GRAND STREET
BROOKLYN, NY**

FIGURE 11 GROUNDWATER ELEVATION
MAP

APPENDIX – A
Soil Boring Logs

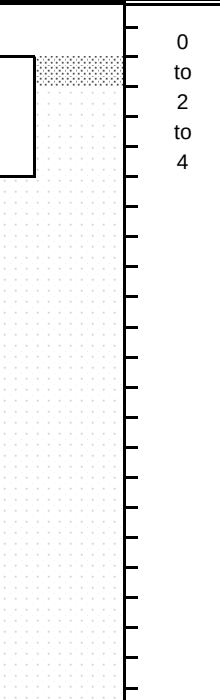
B1 Boring Log

Location: Performed in northeast side of basement.			Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: GSD1302	Address: 555 Grand Street, Brooklyn, NY		Date	DTW	Ground Elevation
			Groundwater depth		
Drilling Company: EBC		Method: Hand Boring		Well Specifications	
Date Started: 7/29/2013		Date Completed: 7/29/2013			
Completion Depth: 4 feet		Field Technician K Waters			

[illegible]

B2 Boring Log

Location: Performed in east side of basement.			Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: GSD1302	Address: 555 Grand Street, Brooklyn, NY		Date	DTW	Ground Elevation
Drilling Company: EBC		Method: Hand Boring	Groundwater depth		
Date Started: 7/29/2013		Date Completed: 7/29/2013			Well Specifications
Completion Depth: 4 feet		Field Technician K Waters			

B2 (NTS)	(ft below grade)	Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to			0.0	Brown silty sand with fill material to 6" below slab. <i>*Soil Sample retained B2(0-2).</i>
	2			0.0	Brown silty sand. No odor. <i>*Soil Sample retained B2(2-4).</i>
	to				
	4				

B3 Boring Log

Location: Performed in back room of Laundromat. Wood floor, steel, and approximately 4" of concrete was cut through before borings were extracted.			Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: GSD1302		Address: 555 Grand Street, Brooklyn, NY		Date	DTW
				Groundwater depth	
Drilling Company: EBC		Method: Hand Boring			
Date Started: 7/30/2013		Date Completed: 7/30/2013			
Completion Depth: 4 feet		Field Technician K Waters			
				Well Specifications	

[illegible]

14B4

Location: Performed in the southwest portion of property, adjacent to Grand Street.		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: GSD1302		Address: 555 Grand Street, Brooklyn, New York		Date	DTW
				Groundwater depth	
Drilling Company: EBC		Method: Hand Auger		Well Specifications	
Date Started: 1/2/2014		Date Completed: 1/2/2014			
Completion Depth: 4 feet		Geologist K Waters			

[illegible]

14B5

Location: Performed in the southeast portion of property, adjacent to Grand Street.		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: GSD1302		Address: 555 Grand Street, Brooklyn, New York		Date	DTW
				Groundwater depth	
Drilling Company: EBC		Method: Hand Auger		Well Specifications	
Date Started: 1/2/2014		Date Completed: 1/2/2014			
Completion Depth: 4 feet		Geologist K Waters			

[illegible]

14B6

Location: Performed approximately 15 feet from Grand Street boundary in the center line of the property.		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: GSD1302		Address:		Date	DTW
		555 Grand Street, Brooklyn, New York		Ground Elevation	
Drilling Company: EBC		Method: Hand Auger		Groundwater depth	
Date Started: 1/2/2014		Date Completed: 1/2/2014			
Completion Depth: 4 feet		Geologist K Waters		Well Specifications	

[illegible]

14B7

Location: Performed approximately 20 feet from Grand Street boundary in the west side of property.		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: GSD1302		Address:		Date	DTW
		555 Grand Street, Brooklyn, New York		Ground Elevation	
Drilling Company: EBC		Method: Hand Auger		Groundwater depth	
Date Started: 1/2/2014		Date Completed: 1/2/2014			
Completion Depth: 4 feet		Geologist K Waters		Well Specifications	

[illegible]

14B8

Location: Performed approximately 20 feet from Grand Street boundary in the east side of property.		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: GSD1302		Address:		Date	DTW
		555 Grand Street, Brooklyn, New York		Ground Elevation	
Drilling Company: EBC		Method: Hand Auger		Groundwater depth	
Date Started: 1/2/2014		Date Completed: 1/2/2014			
Completion Depth: 4 feet		Geologist K Waters		Well Specifications	

[illegible]

14B9

Location: Performed approximately 35 feet from Grand Street boundary in the west side of property.		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: GSD1302		Address: 555 Grand Street, Brooklyn, New York		Date	DTW
				Groundwater depth	
Drilling Company: EBC		Method: Hand Auger		Well Specifications	
Date Started: 1/2/2014		Date Completed: 1/2/2014			
Completion Depth: 4 feet		Geologist K Waters			

[illegible]

14B10

Location: Performed in center of property.			Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: GSD1302		Address: 555 Grand Street, Brooklyn, New York		Date	DTW	Ground Elevation
				Groundwater depth		Well Specifications
Drilling Company: EBC		Method: Hand Auger				
Date Started: 1/2/2014		Date Completed: 1/2/2014				
Completion Depth: 4 feet		Geologist K Waters				

[illegible]

Geologic Boring Log Details



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B-10

Location: Performed on the south side of property.		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: GSD1302		Address: 555 Grand Street, Brooklyn, New York		Date	DTW
Drilling Company: EBC		Method: Geo probe		Groundwater depth	
Date Started: 2/9/2014		Date Completed: 2/9/2014		Well Specifications	
Completion Depth: 28 feet		Geologist: C Miller			

14B10 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to			0.0	Brown silty sand with some fill material.
	2				
	to			0.0	Brown silty sand. No odor.
	4				
	to			0.0	Brown silty sand. No odor.
	8			0.0	Brown silty sand. No odor.
				0.0	Light Brown Brown silty sand. No odor.
	12			0.0	Brown silty sand. No odor. <i>*Soil Sample retained B10 (12).</i>
	to			0.0	Brown silty sand. No odor.
	16			0.0	Brown silty sand. No odor.
	to			0.0	Brown silty sand. No odor.
	20			0.0	Dark Brown silty sand. No odor.
	to			0.0	Brown silty sand. No odor.
	24			0.0	
	to			0.0	Dark Brown silty sand. No odor.
	28			0.0	Brown silty sand. No odor. <i>*Soil Sample retained B10 (28).</i>

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

B-11

Location: Performed on the northwest side of the property.		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: GSD1302		Address: 555 Grand Street, Brooklyn, New York		Date	DTW
Drilling Company: EBC		Method: Geo probe		Groundwater depth	
Date Started: 2/9/2014		Date Completed: 2/9/2014		Well Specifications	
Completion Depth: 24 feet		Geologist: C Miller			

14B10 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to			0.0	Brown silty sand with some fill material.
	2				
	to			0.0	Brown silty sand. No odor.
	4				
	to			0.0	Brown silty sand. No odor.
	8			0.0	Brown silty sand. No odor.
				0.0	Brown silty sand. No odor.
	12			0.0	Brown silty sand. No odor. <i>*Soil Sample retained B11 (12).</i>
	to			0.0	Brown silty sand. No odor.
	16			0.0	Brown silty sand. No odor.
	to			0.0	Brown silty sand. No odor.
	20			0.0	Brown silty sand. No odor.
	to			0.0	Brown silty sand. No odor. <i>*Soil Sample retained B11 (24).</i>
	24				

Geologic Boring Log Details



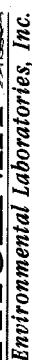
ENVIRONMENTAL BUSINESS CONSULTANTS

REF

Location: Performed on the center of the property. Refusal location.		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: GSD1302		Address: 555 Grand Street, Brooklyn, New York		Date	DTW
Drilling Company: EBC		Method: Geo probe		Groundwater depth	
Date Started: 2/9/2014		Date Completed: 2/9/2014		Well Specifications	
Completion Depth: 28 feet		Geologist: C Miller			

14B10 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Recovery (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to			0.0	Brown silty sand with some fill material.
	2				
	to			0.0	Brown silty sand. No odor.
	4				
	to			0.0	Light Brown silty sand. No odor. <i>*Soil Sample retained REF(6).</i>
	8			0.0	Light Brown silty sand. No odor.
				0.0	Brown silty sand. No odor.
				0.0	Brown silty sand. No odor.
	12				
	to			0.0	Dark Brown silty sand. No odor.
				0.0	Brown silty sand. No odor.
	16				
	to			0.0	Brown silty sand. No odor. <i>*Soil Sample retained REF (18).</i>
	18				

APPENDIX - B
Soil Vapor Sampling Logs



Telephone: 860.845.1102 • Fax: 860.645.0823

800-827-5426

email: greg@phoenixlabs.com

P.O. #

Page 1 of 1

Data Delivery:

Fax #:

Email: 62021e@ex19cny.com

Phone #:

Report to:

Customer:

Address: 1808 Middle Candy Road

Bridge, New York

Invoice to:

EPIC

Sampled by:

Project Name:

Project Name: 555 91 AND X Bldg N9

	Criteria Requested:	Deliverable:
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MCP

State where samples collected:

[illegible]

Relinquished by:

Accepted by:

Date: _____

Time:

Data Format:

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100-443886-100

Accepted by:

Date: _____

Time:

Data Format:

CPKaduse

7-31-13

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Excel

EQUIS

GISKey

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Quote Number: _____

Signature: _____

Date:

APPENDIX - C
Well Construction Logs

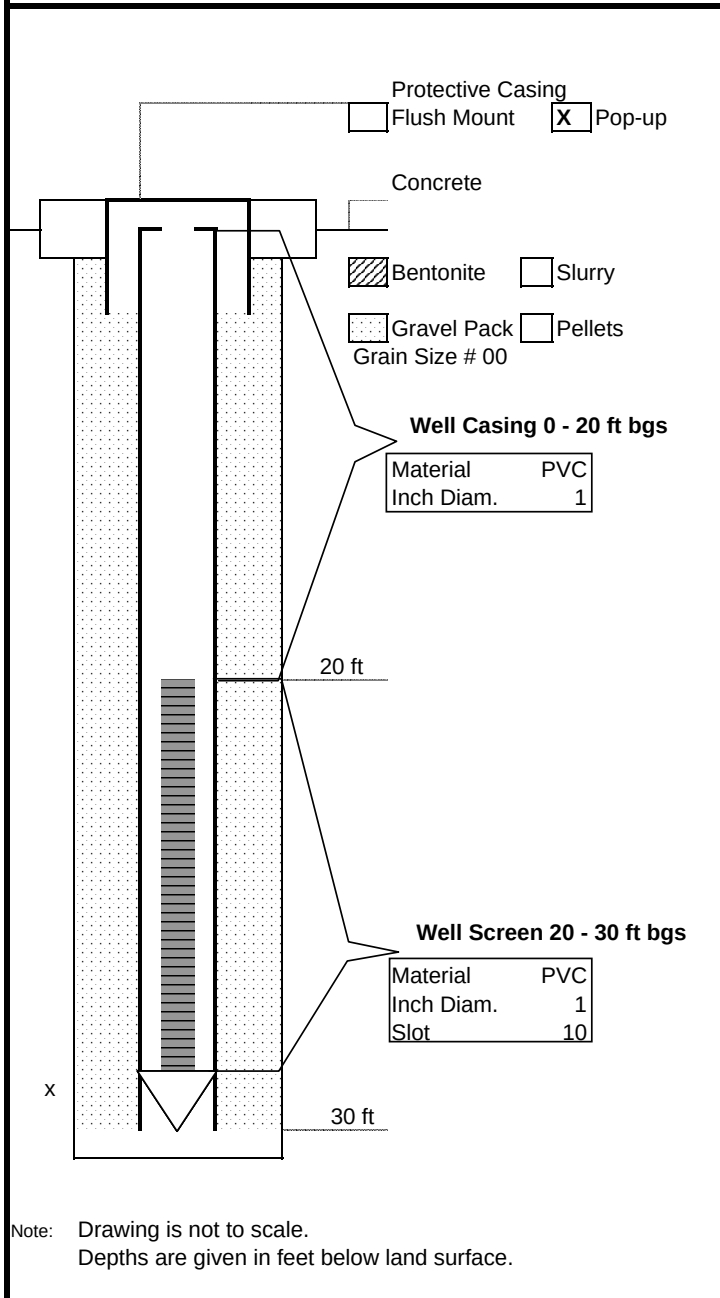
<u>Monitoring Well No.:</u>	MW-1		
<u>Project:</u>	555 Grand Street, Brooklyn, NY		
<u>Depth to Groundwater</u>	23.36 ft	Date:	2/4/2014
<u>Installation Depth:</u>	35 ftbg		
<u>Survey Point Elevation:</u>			
<u>Installation Date:</u>	8/20/2013		
<u>Drilling Contractor:</u>	Eastern Environmental Solutions, Inc.		
<u>Installation Method:</u>	Hollow Geoprobe Rods		
<u>Water Removed During Development:</u>			
<u>Hydrogeologist:</u>	Kevin Waters		
Company Name:	EBC		

<u>Monitoring Well No.:</u>	MW-2		
<u>Project:</u>	555 Grand Street, Brooklyn, NY		
<u>Depth to Groundwater</u>	16.96 ft	<u>Date:</u>	2/4/2014
<u>Installation Depth:</u>	30 ftbg		
<u>Survey Point Elevation:</u>			
<u>Installation Date:</u>	2/2/2014		
<u>Drilling Contractor:</u>	LVS Drilling		
<u>Installation Method:</u>	Hollow Geoprobe Rods		
<u>Water Removed During Development:</u>			
<u>Hydrogeologist:</u>	Kevin Waters		
<u>Company Name:</u>	EBC		

GROUNDWATER MONITORING WELL

CONSTRUCTION LOG

MW-3



Monitoring Well No.: MW-3

Project: 555 Grand Street, Brooklyn, NY

Depth to Groundwater: 26.62 ft Date: 2/9/2014

Installation Depth: 30 ftbg

Survey Point Elevation:

Installation Date: 2/9/2014

Drilling Contractor: LVS Drilling

Installation Method: Hollow Geoprobe Rods

Water Removed During Development:

Hydrogeologist: Kevin Waters

Company Name: EBC

APPENDIX - D
Laboratory Reports/Data Usability Summary
Reports (Digital Copy)



Wednesday, August 07, 2013

Attn: Mr. Charles B. Sosik, P.G
Environmental Business Consulta
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 555 GRAND ST., BROOKLYN
Sample ID#s: BF14186 - BF14194

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 07, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G
Environmental Business Consulta
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
07/29/13 10:00
07/31/13 15:15

Laboratory Data

SDG ID: GBF14186
Phoenix ID: BF14186

Project ID: 555 GRAND ST., BROOKLYN
Client ID: B1 0-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 2.0	2.0	mg/Kg	08/01/13	EK	SW6010
Aluminum	7890	52	mg/Kg	08/01/13	EK	SW6010
Arsenic	6.6	0.7	mg/Kg	08/01/13	EK	SW6010
Barium	63.9	0.35	mg/Kg	08/01/13	EK	SW6010
Beryllium	0.47	0.28	mg/Kg	08/01/13	EK	SW6010
Calcium	29500	52	mg/Kg	08/01/13	EK	SW6010
Cadmium	0.82	0.35	mg/Kg	08/01/13	EK	SW6010
Cobalt	6.14	0.35	mg/Kg	08/01/13	EK	SW6010
Chromium	19.5	0.35	mg/Kg	08/01/13	EK	SW6010
Copper	321	3.5	mg/kg	08/01/13	EK	SW6010
Iron	18800	52	mg/Kg	08/01/13	EK	SW6010
Mercury	< 0.08	0.08	mg/Kg	08/01/13	RS	SW-7471
Potassium	1090	5.2	mg/Kg	08/01/13	EK	SW6010
Magnesium	2160	5.2	mg/Kg	08/02/13	EK	SW6010
Manganese	243	3.5	mg/Kg	08/01/13	EK	SW6010
Sodium	233	5.2	mg/Kg	08/01/13	EK	SW6010
Nickel	29.1	0.35	mg/Kg	08/01/13	EK	SW6010
Lead	452	3.5	mg/Kg	08/01/13	EK	SW6010
Antimony	7.9	3.5	mg/Kg	08/01/13	EK	SW6010
Selenium	< 1.4	1.4	mg/Kg	08/01/13	EK	SW6010
Thallium	< 0.6	0.6	mg/Kg	08/01/13	EK	SW6010
Vanadium	26.4	0.35	mg/Kg	08/01/13	EK	SW6010
Zinc	105	0.35	mg/Kg	08/01/13	EK	SW6010
Percent Solid	91		%	07/31/13	W	E160.3
Soil Extraction for PCB	Completed			07/31/13	JJ	SW3545
Soil Extraction for Pesticide	Completed			07/31/13	JJ/V	SW3545
Soil Extraction for SVOA	Completed			07/31/13	JJ/FV	SW3545
Mercury Digestion	Completed			08/01/13	H/H	SW7471

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			07/31/13	ZAG	SW846 - 3050
Field Extraction	Completed			07/29/13		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	73	ug/Kg	08/01/13	AW	SW 8082
PCB-1221	ND	73	ug/Kg	08/01/13	AW	SW 8082
PCB-1232	ND	73	ug/Kg	08/01/13	AW	SW 8082
PCB-1242	ND	73	ug/Kg	08/01/13	AW	SW 8082
PCB-1248	ND	73	ug/Kg	08/01/13	AW	SW 8082
PCB-1254	ND	73	ug/Kg	08/01/13	AW	SW 8082
PCB-1260	ND	73	ug/Kg	08/01/13	AW	SW 8082
PCB-1262	ND	73	ug/Kg	08/01/13	AW	SW 8082
PCB-1268	ND	73	ug/Kg	08/01/13	AW	SW 8082

QA/QC Surrogates

% DCBP	48		%	08/01/13	AW	30 - 150 %
% TCMX	54		%	08/01/13	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	2.2	ug/Kg	08/01/13	MH	SW8081
4,4' -DDE	ND	2.2	ug/Kg	08/01/13	MH	SW8081
4,4' -DDT	ND	2.2	ug/Kg	08/01/13	MH	SW8081
a-BHC	ND	3.5	ug/Kg	08/01/13	MH	SW8081
Alachlor	ND	3.5	ug/Kg	08/01/13	MH	SW8081
Aldrin	ND	1.1	ug/Kg	08/01/13	MH	SW8081
b-BHC	ND	3.5	ug/Kg	08/01/13	MH	SW8081
Chlordane	ND	11	ug/Kg	08/01/13	MH	SW8081
d-BHC	ND	3.5	ug/Kg	08/01/13	MH	SW8081
Dieldrin	ND	1.1	ug/Kg	08/01/13	MH	SW8081
Endosulfan I	ND	3.5	ug/Kg	08/01/13	MH	SW8081
Endosulfan II	ND	7.0	ug/Kg	08/01/13	MH	SW8081
Endosulfan sulfate	ND	7.0	ug/Kg	08/01/13	MH	SW8081
Endrin	ND	7.0	ug/Kg	08/01/13	MH	SW8081
Endrin aldehyde	ND	7.0	ug/Kg	08/01/13	MH	SW8081
Endrin ketone	ND	7.0	ug/Kg	08/01/13	MH	SW8081
g-BHC	ND	1.1	ug/Kg	08/01/13	MH	SW8081
Heptachlor	ND	2.2	ug/Kg	08/01/13	MH	SW8081
Heptachlor epoxide	ND	3.5	ug/Kg	08/01/13	MH	SW8081
Methoxychlor	ND	35	ug/Kg	08/01/13	MH	SW8081
Toxaphene	ND	35	ug/Kg	08/01/13	MH	SW8081

QA/QC Surrogates

% DCBP	51		%	08/01/13	MH	30 - 150 %
% TCMX	39		%	08/01/13	MH	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,1,1-Trichloroethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.6	ug/Kg	08/01/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,2,3-Trichloropropane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,2-Dibromoethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichloroethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichloropropane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,3-Dichloropropane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
2,2-Dichloropropane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
2-Chlorotoluene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
2-Hexanone	ND	30	ug/Kg	08/01/13	R/J	SW8260
2-Isopropyltoluene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
4-Chlorotoluene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
4-Methyl-2-pentanone	ND	30	ug/Kg	08/01/13	R/J	SW8260
Acetone	ND	36	ug/Kg	08/01/13	R/J	SW8260
Acrylonitrile	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Benzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Bromobenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Bromochloromethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Bromodichloromethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Bromoform	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Bromomethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Carbon Disulfide	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Carbon tetrachloride	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Chlorobenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Chloroethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Chloroform	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Chloromethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Dibromochloromethane	ND	3.6	ug/Kg	08/01/13	R/J	SW8260
Dibromomethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Dichlorodifluoromethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Ethylbenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Hexachlorobutadiene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Isopropylbenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
m&p-Xylene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Methyl Ethyl Ketone	ND	36	ug/Kg	08/01/13	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	08/01/13	R/J	SW8260
Methylene chloride	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Naphthalene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
n-Butylbenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
n-Propylbenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
o-Xylene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
p-Isopropyltoluene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
sec-Butylbenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Styrene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
tert-Butylbenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Tetrachloroethene	420	280	ug/Kg	08/01/13	R/J	SW8260
Tetrahydrofuran (THF)	ND	12	ug/Kg	08/01/13	R/J	SW8260
Toluene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Total Xylenes	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	08/01/13	R/J	SW8260
Trichloroethene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Trichlorofluoromethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Trichlorotrifluoroethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Vinyl chloride	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	99		%	08/01/13	R/J	70 - 130 %
% Bromofluorobenzene	90		%	08/01/13	R/J	70 - 130 %
% Dibromofluoromethane	69		%	08/01/13	R/J	70 - 130 %
% Toluene-d8	95		%	08/01/13	R/J	70 - 130 %
<u>Semivolatiles</u>						
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	08/01/13	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	ug/Kg	08/01/13	DD	SW 8270
1,2-Dichlorobenzene	ND	260	ug/Kg	08/01/13	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	ug/Kg	08/01/13	DD	SW 8270
1,3-Dichlorobenzene	ND	260	ug/Kg	08/01/13	DD	SW 8270
1,4-Dichlorobenzene	ND	260	ug/Kg	08/01/13	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	ug/Kg	08/01/13	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	ug/Kg	08/01/13	DD	SW 8270
2,4-Dichlorophenol	ND	260	ug/Kg	08/01/13	DD	SW 8270
2,4-Dimethylphenol	ND	260	ug/Kg	08/01/13	DD	SW 8270
2,4-Dinitrophenol	ND	580	ug/Kg	08/01/13	DD	SW 8270
2,4-Dinitrotoluene	ND	260	ug/Kg	08/01/13	DD	SW 8270
2,6-Dinitrotoluene	ND	260	ug/Kg	08/01/13	DD	SW 8270
2-Chloronaphthalene	ND	260	ug/Kg	08/01/13	DD	SW 8270
2-Chlorophenol	ND	260	ug/Kg	08/01/13	DD	SW 8270
2-Methylnaphthalene	ND	260	ug/Kg	08/01/13	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	ug/Kg	08/01/13	DD	SW 8270
2-Nitroaniline	ND	580	ug/Kg	08/01/13	DD	SW 8270
2-Nitrophenol	ND	260	ug/Kg	08/01/13	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	08/01/13	DD	SW 8270
3,3'-Dichlorobenzidine	ND	260	ug/Kg	08/01/13	DD	SW 8270
3-Nitroaniline	ND	580	ug/Kg	08/01/13	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	08/01/13	DD	SW 8270
4-Bromophenyl phenyl ether	ND	360	ug/Kg	08/01/13	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	ug/Kg	08/01/13	DD	SW 8270
4-Chloroaniline	ND	260	ug/Kg	08/01/13	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	08/01/13	DD	SW 8270
4-Nitroaniline	ND	580	ug/Kg	08/01/13	DD	SW 8270

Client ID: B1 0-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1100	ug/Kg	08/01/13	DD	SW 8270
Acenaphthene	ND	260	ug/Kg	08/01/13	DD	SW 8270
Acenaphthylene	ND	260	ug/Kg	08/01/13	DD	SW 8270
Acetophenone	ND	260	ug/Kg	08/01/13	DD	SW 8270
Aniline	ND	1100	ug/Kg	08/01/13	DD	SW 8270
Anthracene	ND	260	ug/Kg	08/01/13	DD	SW 8270
Benz(a)anthracene	ND	260	ug/Kg	08/01/13	DD	SW 8270
Benzdine	ND	440	ug/Kg	08/01/13	DD	SW 8270
Benzo(a)pyrene	ND	260	ug/Kg	08/01/13	DD	SW 8270
Benzo(b)fluoranthene	ND	260	ug/Kg	08/01/13	DD	SW 8270
Benzo(ghi)perylene	ND	260	ug/Kg	08/01/13	DD	SW 8270
Benzo(k)fluoranthene	ND	260	ug/Kg	08/01/13	DD	SW 8270
Benzoic acid	ND	1100	ug/Kg	08/01/13	DD	SW 8270
Benzyl butyl phthalate	ND	260	ug/Kg	08/01/13	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	08/01/13	DD	SW 8270
Bis(2-chloroethyl)ether	ND	360	ug/Kg	08/01/13	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	08/01/13	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	08/01/13	DD	SW 8270
Carbazole	ND	550	ug/Kg	08/01/13	DD	SW 8270
Chrysene	ND	260	ug/Kg	08/01/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	08/01/13	DD	SW 8270
Dibenzofuran	ND	260	ug/Kg	08/01/13	DD	SW 8270
Diethyl phthalate	ND	260	ug/Kg	08/01/13	DD	SW 8270
Dimethylphthalate	ND	260	ug/Kg	08/01/13	DD	SW 8270
Di-n-butylphthalate	ND	260	ug/Kg	08/01/13	DD	SW 8270
Di-n-octylphthalate	ND	260	ug/Kg	08/01/13	DD	SW 8270
Fluoranthene	400	260	ug/Kg	08/01/13	DD	SW 8270
Fluorene	ND	260	ug/Kg	08/01/13	DD	SW 8270
Hexachlorobenzene	ND	260	ug/Kg	08/01/13	DD	SW 8270
Hexachlorobutadiene	ND	260	ug/Kg	08/01/13	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	ug/Kg	08/01/13	DD	SW 8270
Hexachloroethane	ND	260	ug/Kg	08/01/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	08/01/13	DD	SW 8270
Isophorone	ND	260	ug/Kg	08/01/13	DD	SW 8270
Naphthalene	ND	260	ug/Kg	08/01/13	DD	SW 8270
Nitrobenzene	ND	260	ug/Kg	08/01/13	DD	SW 8270
N-Nitrosodimethylamine	ND	360	ug/Kg	08/01/13	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	08/01/13	DD	SW 8270
N-Nitrosodiphenylamine	ND	360	ug/Kg	08/01/13	DD	SW 8270
Pentachloronitrobenzene	ND	360	ug/Kg	08/01/13	DD	SW 8270
Pentachlorophenol	ND	360	ug/Kg	08/01/13	DD	SW 8270
Phenanthrene	260	260	ug/Kg	08/01/13	DD	SW 8270
Phenol	ND	260	ug/Kg	08/01/13	DD	SW 8270
Pyrene	490	260	ug/Kg	08/01/13	DD	SW 8270
Pyridine	ND	360	ug/Kg	08/01/13	DD	SW 8270
QA/QC Surrogates						
% 2,4,6-Tribromophenol	39		%	08/01/13	DD	30 - 130 %
% 2-Fluorobiphenyl	83		%	08/01/13	DD	30 - 130 %
% 2-Fluorophenol	56		%	08/01/13	DD	30 - 130 %
% Nitrobenzene-d5	70		%	08/01/13	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Phenol-d5	72		%	08/01/13	DD	30 - 130 %
% Terphenyl-d14	100		%	08/01/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

10 = This parameter is not certified by NY NELAC for this matrix.

3 = This parameter exceeds laboratory specified limits.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

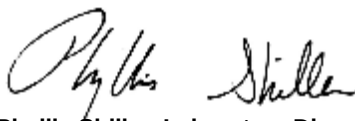
Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 07, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 07, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G
Environmental Business Consulta
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
07/29/13 10:15
07/31/13 15:15

Laboratory Data

SDG ID: GBF14186
Phoenix ID: BF14187

Project ID: 555 GRAND ST., BROOKLYN
Client ID: B1 2-4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	08/01/13	EK	SW6010
Aluminum	8260	53	mg/Kg	08/01/13	EK	SW6010
Arsenic	29.3	0.7	mg/Kg	08/01/13	EK	SW6010
Barium	107	0.35	mg/Kg	08/01/13	EK	SW6010
Beryllium	0.52	0.28	mg/Kg	08/01/13	EK	SW6010
Calcium	24600	53	mg/Kg	08/01/13	EK	SW6010
Cadmium	0.64	0.35	mg/Kg	08/01/13	EK	SW6010
Cobalt	6.03	0.35	mg/Kg	08/01/13	EK	SW6010
Chromium	23.0	0.35	mg/Kg	08/01/13	EK	SW6010
Copper	23.2	0.35	mg/kg	08/01/13	EK	SW6010
Iron	21100	53	mg/Kg	08/01/13	EK	SW6010
Mercury	1.79	0.08	mg/Kg	08/01/13	RS	SW-7471
Potassium	1810	5.3	mg/Kg	08/01/13	EK	SW6010
Magnesium	6830	53	mg/Kg	08/01/13	LK	SW6010
Manganese	592	3.5	mg/Kg	08/01/13	EK	SW6010
Sodium	302	5.3	mg/Kg	08/01/13	EK	SW6010
Nickel	13.8	0.35	mg/Kg	08/01/13	EK	SW6010
Lead	32.2	0.35	mg/Kg	08/01/13	EK	SW6010
Antimony	< 3.5	3.5	mg/Kg	08/01/13	EK	SW6010
Selenium	< 1.4	1.4	mg/Kg	08/01/13	EK	SW6010
Thallium	< 0.6	0.6	mg/Kg	08/02/13	LK	SW6010
Vanadium	30.1	0.35	mg/Kg	08/01/13	EK	SW6010
Zinc	40.4	0.35	mg/Kg	08/01/13	EK	SW6010
Percent Solid	93		%	07/31/13	W	E160.3
Soil Extraction for PCB	Completed			07/31/13	JJ	SW3545
Soil Extraction for Pesticide	Completed			07/31/13	JJ/V	SW3545
Soil Extraction for SVOA	Completed			07/31/13	JJ/FV	SW3545
Mercury Digestion	Completed			08/01/13	H/H	SW7471

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			07/31/13	ZAG	SW846 - 3050
Field Extraction	Completed			07/29/13		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	71	ug/Kg	08/01/13	AW	SW 8082
PCB-1221	ND	71	ug/Kg	08/01/13	AW	SW 8082
PCB-1232	ND	71	ug/Kg	08/01/13	AW	SW 8082
PCB-1242	ND	71	ug/Kg	08/01/13	AW	SW 8082
PCB-1248	ND	71	ug/Kg	08/01/13	AW	SW 8082
PCB-1254	ND	71	ug/Kg	08/01/13	AW	SW 8082
PCB-1260	ND	71	ug/Kg	08/01/13	AW	SW 8082
PCB-1262	ND	71	ug/Kg	08/01/13	AW	SW 8082
PCB-1268	ND	71	ug/Kg	08/01/13	AW	SW 8082

QA/QC Surrogates

% DCBP	76		%	08/01/13	AW	30 - 150 %
% TCMX	81		%	08/01/13	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	2.1	ug/Kg	08/01/13	MH	SW8081
4,4' -DDE	ND	2.1	ug/Kg	08/01/13	MH	SW8081
4,4' -DDT	ND	2.1	ug/Kg	08/01/13	MH	SW8081
a-BHC	ND	3.4	ug/Kg	08/01/13	MH	SW8081
Alachlor	ND	3.4	ug/Kg	08/01/13	MH	SW8081
Aldrin	ND	1.1	ug/Kg	08/01/13	MH	SW8081
b-BHC	ND	3.4	ug/Kg	08/01/13	MH	SW8081
Chlordane	ND	11	ug/Kg	08/01/13	MH	SW8081
d-BHC	ND	3.4	ug/Kg	08/01/13	MH	SW8081
Dieldrin	ND	1.1	ug/Kg	08/01/13	MH	SW8081
Endosulfan I	ND	3.4	ug/Kg	08/01/13	MH	SW8081
Endosulfan II	ND	6.8	ug/Kg	08/01/13	MH	SW8081
Endosulfan sulfate	ND	6.8	ug/Kg	08/01/13	MH	SW8081
Endrin	ND	6.8	ug/Kg	08/01/13	MH	SW8081
Endrin aldehyde	ND	6.8	ug/Kg	08/01/13	MH	SW8081
Endrin ketone	ND	6.8	ug/Kg	08/01/13	MH	SW8081
g-BHC	ND	1.1	ug/Kg	08/01/13	MH	SW8081
Heptachlor	ND	2.1	ug/Kg	08/01/13	MH	SW8081
Heptachlor epoxide	ND	3.4	ug/Kg	08/01/13	MH	SW8081
Methoxychlor	ND	34	ug/Kg	08/01/13	MH	SW8081
Toxaphene	ND	34	ug/Kg	08/01/13	MH	SW8081

QA/QC Surrogates

% DCBP	80		%	08/01/13	MH	30 - 150 %
% TCMX	51		%	08/01/13	MH	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
1,1,1-Trichloroethane	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.1	ug/Kg	08/01/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethane	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
1,2,3-Trichloropropane	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
1,2-Dibromoethane	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichloroethane	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichloropropane	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
1,3-Dichloropropane	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
2,2-Dichloropropane	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
2-Chlorotoluene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
2-Hexanone	ND	26	ug/Kg	08/01/13	R/J	SW8260
2-Isopropyltoluene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
4-Chlorotoluene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
4-Methyl-2-pentanone	ND	26	ug/Kg	08/01/13	R/J	SW8260
Acetone	ND	31	ug/Kg	08/01/13	R/J	SW8260
Acrylonitrile	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Benzene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Bromobenzene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Bromochloromethane	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Bromodichloromethane	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Bromoform	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Bromomethane	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Carbon Disulfide	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Carbon tetrachloride	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Chlorobenzene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Chloroethane	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Chloroform	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Chloromethane	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Dibromochloromethane	ND	3.1	ug/Kg	08/01/13	R/J	SW8260
Dibromomethane	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Dichlorodifluoromethane	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Ethylbenzene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Hexachlorobutadiene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Isopropylbenzene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
m&p-Xylene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Methyl Ethyl Ketone	ND	31	ug/Kg	08/01/13	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	08/01/13	R/J	SW8260
Methylene chloride	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Naphthalene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
n-Butylbenzene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
n-Propylbenzene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
o-Xylene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
p-Isopropyltoluene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
sec-Butylbenzene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Styrene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
tert-Butylbenzene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Tetrachloroethene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	08/01/13	R/J	SW8260
Toluene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Total Xylenes	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	08/01/13	R/J	SW8260
Trichloroethene	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Trichlorofluoromethane	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Trichlorotrifluoroethane	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
Vinyl chloride	ND	5.2	ug/Kg	08/01/13	R/J	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	99		%	08/01/13	R/J	70 - 130 %
% Bromofluorobenzene	93		%	08/01/13	R/J	70 - 130 %
% Dibromofluoromethane	93		%	08/01/13	R/J	70 - 130 %
% Toluene-d8	94		%	08/01/13	R/J	70 - 130 %
<u>Semivolatiles</u>						
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
1,2-Dichlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
1,2-Diphenylhydrazine	ND	350	ug/Kg	08/01/13	DD	SW 8270
1,3-Dichlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
1,4-Dichlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4-Dichlorophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4-Dimethylphenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4-Dinitrophenol	ND	570	ug/Kg	08/01/13	DD	SW 8270
2,4-Dinitrotoluene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,6-Dinitrotoluene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Chloronaphthalene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Chlorophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Methylnaphthalene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Nitroaniline	ND	570	ug/Kg	08/01/13	DD	SW 8270
2-Nitrophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	08/01/13	DD	SW 8270
3,3'-Dichlorobenzidine	ND	250	ug/Kg	08/01/13	DD	SW 8270
3-Nitroaniline	ND	570	ug/Kg	08/01/13	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	08/01/13	DD	SW 8270
4-Bromophenyl phenyl ether	ND	350	ug/Kg	08/01/13	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
4-Chloroaniline	ND	250	ug/Kg	08/01/13	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	08/01/13	DD	SW 8270
4-Nitroaniline	ND	570	ug/Kg	08/01/13	DD	SW 8270

Client ID: B1 2-4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1000	ug/Kg	08/01/13	DD	SW 8270
Acenaphthene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Acetophenone	ND	250	ug/Kg	08/01/13	DD	SW 8270
Aniline	ND	1000	ug/Kg	08/01/13	DD	SW 8270
Anthracene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Benz(a)anthracene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Benzdine	ND	420	ug/Kg	08/01/13	DD	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Benzo(b)fluoranthene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Benzoic acid	ND	1000	ug/Kg	08/01/13	DD	SW 8270
Benzyl butyl phthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	08/01/13	DD	SW 8270
Bis(2-chloroethyl)ether	ND	350	ug/Kg	08/01/13	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	08/01/13	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Carbazole	ND	530	ug/Kg	08/01/13	DD	SW 8270
Chrysene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Dibenzofuran	ND	250	ug/Kg	08/01/13	DD	SW 8270
Diethyl phthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Dimethylphthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Di-n-butylphthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Di-n-octylphthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Fluoranthene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Fluorene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Hexachlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Hexachlorobutadiene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Hexachloroethane	ND	250	ug/Kg	08/01/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Isophorone	ND	250	ug/Kg	08/01/13	DD	SW 8270
Naphthalene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Nitrobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
N-Nitrosodimethylamine	ND	350	ug/Kg	08/01/13	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	08/01/13	DD	SW 8270
N-Nitrosodiphenylamine	ND	350	ug/Kg	08/01/13	DD	SW 8270
Pentachloronitrobenzene	ND	350	ug/Kg	08/01/13	DD	SW 8270
Pentachlorophenol	ND	350	ug/Kg	08/01/13	DD	SW 8270
Phenanthrene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Phenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
Pyrene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Pyridine	ND	350	ug/Kg	08/01/13	DD	SW 8270
QA/QC Surrogates						
% 2,4,6-Tribromophenol	54		%	08/01/13	DD	30 - 130 %
% 2-Fluorobiphenyl	81		%	08/01/13	DD	30 - 130 %
% 2-Fluorophenol	64		%	08/01/13	DD	30 - 130 %
% Nitrobenzene-d5	69		%	08/01/13	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Phenol-d5	72		%	08/01/13	DD	30 - 130 %
% Terphenyl-d14	102		%	08/01/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1O = This parameter is not certified by NY NELAC for this matrix.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

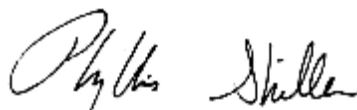
Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 07, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 07, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G
Environmental Business Consulta
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
07/29/13 10:30
07/31/13 15:15

Laboratory Data

SDG ID: GBF14186
Phoenix ID: BF14188

Project ID: 555 GRAND ST., BROOKLYN
Client ID: B2 0-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	08/01/13	EK	SW6010
Aluminum	8050	59	mg/Kg	08/01/13	EK	SW6010
Arsenic	18.0	0.8	mg/Kg	08/01/13	EK	SW6010
Barium	94.6	0.39	mg/Kg	08/01/13	EK	SW6010
Beryllium	0.57	0.31	mg/Kg	08/01/13	EK	SW6010
Calcium	23900	59	mg/Kg	08/01/13	EK	SW6010
Cadmium	0.90	0.39	mg/Kg	08/01/13	EK	SW6010
Cobalt	7.05	0.39	mg/Kg	08/01/13	EK	SW6010
Chromium	22.2	0.39	mg/Kg	08/01/13	EK	SW6010
Copper	206	3.9	mg/kg	08/01/13	EK	SW6010
Iron	26300	59	mg/Kg	08/01/13	EK	SW6010
Mercury	0.87	0.07	mg/Kg	08/01/13	RS	SW-7471
Potassium	1530	5.9	mg/Kg	08/01/13	EK	SW6010
Magnesium	5180	5.9	mg/Kg	08/02/13	LK	SW6010
Manganese	666	3.9	mg/Kg	08/01/13	EK	SW6010
Sodium	243	5.9	mg/Kg	08/01/13	EK	SW6010
Nickel	19.8	0.39	mg/Kg	08/01/13	EK	SW6010
Lead	122	0.39	mg/Kg	08/01/13	EK	SW6010
Antimony	< 3.9	3.9	mg/Kg	08/01/13	EK	SW6010
Selenium	< 1.6	1.6	mg/Kg	08/01/13	EK	SW6010
Thallium	< 0.6	0.6	mg/Kg	08/02/13	LK	SW6010
Vanadium	30.9	0.39	mg/Kg	08/01/13	EK	SW6010
Zinc	62.7	0.39	mg/Kg	08/01/13	EK	SW6010
Percent Solid	91		%	07/31/13	W	E160.3
Soil Extraction for PCB	Completed			07/31/13	JJ	SW3545
Soil Extraction for Pesticide	Completed			07/31/13	JJ/V	SW3545
Soil Extraction for SVOA	Completed			07/31/13	JJ/FV	SW3545
Mercury Digestion	Completed			08/01/13	H/H	SW7471

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			07/31/13	ZAG	SW846 - 3050
Field Extraction	Completed			07/29/13		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	71	ug/Kg	08/01/13	AW	SW 8082
PCB-1221	ND	71	ug/Kg	08/01/13	AW	SW 8082
PCB-1232	ND	71	ug/Kg	08/01/13	AW	SW 8082
PCB-1242	ND	71	ug/Kg	08/01/13	AW	SW 8082
PCB-1248	ND	71	ug/Kg	08/01/13	AW	SW 8082
PCB-1254	ND	71	ug/Kg	08/01/13	AW	SW 8082
PCB-1260	ND	71	ug/Kg	08/01/13	AW	SW 8082
PCB-1262	ND	71	ug/Kg	08/01/13	AW	SW 8082
PCB-1268	ND	71	ug/Kg	08/01/13	AW	SW 8082

QA/QC Surrogates

% DCBP	77		%	08/01/13	AW	30 - 150 %
% TCMX	84		%	08/01/13	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	2.1	ug/Kg	08/01/13	MH	SW8081
4,4' -DDE	ND	2.1	ug/Kg	08/01/13	MH	SW8081
4,4' -DDT	ND	2.1	ug/Kg	08/01/13	MH	SW8081
a-BHC	ND	3.4	ug/Kg	08/01/13	MH	SW8081
Alachlor	ND	3.4	ug/Kg	08/01/13	MH	SW8081
Aldrin	ND	1.1	ug/Kg	08/01/13	MH	SW8081
b-BHC	ND	3.4	ug/Kg	08/01/13	MH	SW8081
Chlordane	ND	11	ug/Kg	08/01/13	MH	SW8081
d-BHC	ND	3.4	ug/Kg	08/01/13	MH	SW8081
Dieldrin	ND	1.1	ug/Kg	08/01/13	MH	SW8081
Endosulfan I	ND	3.4	ug/Kg	08/01/13	MH	SW8081
Endosulfan II	ND	6.9	ug/Kg	08/01/13	MH	SW8081
Endosulfan sulfate	ND	6.9	ug/Kg	08/01/13	MH	SW8081
Endrin	ND	6.9	ug/Kg	08/01/13	MH	SW8081
Endrin aldehyde	ND	6.9	ug/Kg	08/01/13	MH	SW8081
Endrin ketone	ND	6.9	ug/Kg	08/01/13	MH	SW8081
g-BHC	ND	1.1	ug/Kg	08/01/13	MH	SW8081
Heptachlor	ND	2.1	ug/Kg	08/01/13	MH	SW8081
Heptachlor epoxide	ND	3.4	ug/Kg	08/01/13	MH	SW8081
Methoxychlor	ND	34	ug/Kg	08/01/13	MH	SW8081
Toxaphene	ND	34	ug/Kg	08/01/13	MH	SW8081

QA/QC Surrogates

% DCBP	79		%	08/01/13	MH	30 - 150 %
% TCMX	49		%	08/01/13	MH	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,1,1-Trichloroethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.6	ug/Kg	08/01/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,2,3-Trichloropropane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,2-Dibromoethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichloroethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichloropropane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,3-Dichloropropane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
2,2-Dichloropropane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
2-Chlorotoluene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
2-Hexanone	ND	30	ug/Kg	08/01/13	R/J	SW8260
2-Isopropyltoluene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
4-Chlorotoluene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
4-Methyl-2-pentanone	ND	30	ug/Kg	08/01/13	R/J	SW8260
Acetone	ND	36	ug/Kg	08/01/13	R/J	SW8260
Acrylonitrile	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Benzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Bromobenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Bromochloromethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Bromodichloromethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Bromoform	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Bromomethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Carbon Disulfide	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Carbon tetrachloride	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Chlorobenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Chloroethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Chloroform	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Chloromethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Dibromochloromethane	ND	3.6	ug/Kg	08/01/13	R/J	SW8260
Dibromomethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Dichlorodifluoromethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Ethylbenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Hexachlorobutadiene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Isopropylbenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
m&p-Xylene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Methyl Ethyl Ketone	ND	36	ug/Kg	08/01/13	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	08/01/13	R/J	SW8260
Methylene chloride	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Naphthalene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
n-Butylbenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
n-Propylbenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
o-Xylene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
p-Isopropyltoluene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
sec-Butylbenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Styrene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
tert-Butylbenzene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Tetrachloroethene	7.5	5.9	ug/Kg	08/01/13	R/J	SW8260
Tetrahydrofuran (THF)	ND	12	ug/Kg	08/01/13	R/J	SW8260
Toluene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Total Xylenes	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	08/01/13	R/J	SW8260
Trichloroethene	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Trichlorofluoromethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Trichlorotrifluoroethane	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
Vinyl chloride	ND	5.9	ug/Kg	08/01/13	R/J	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	103		%	08/01/13	R/J	70 - 130 %
% Bromofluorobenzene	91		%	08/01/13	R/J	70 - 130 %
% Dibromofluoromethane	82		%	08/01/13	R/J	70 - 130 %
% Toluene-d8	97		%	08/01/13	R/J	70 - 130 %
<u>Semivolatiles</u>						
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
1,2-Dichlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	ug/Kg	08/01/13	DD	SW 8270
1,3-Dichlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
1,4-Dichlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4-Dichlorophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4-Dimethylphenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4-Dinitrophenol	ND	580	ug/Kg	08/01/13	DD	SW 8270
2,4-Dinitrotoluene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,6-Dinitrotoluene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Chloronaphthalene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Chlorophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Methylnaphthalene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Nitroaniline	ND	580	ug/Kg	08/01/13	DD	SW 8270
2-Nitrophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	08/01/13	DD	SW 8270
3,3'-Dichlorobenzidine	ND	250	ug/Kg	08/01/13	DD	SW 8270
3-Nitroaniline	ND	580	ug/Kg	08/01/13	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	08/01/13	DD	SW 8270
4-Bromophenyl phenyl ether	ND	360	ug/Kg	08/01/13	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
4-Chloroaniline	ND	250	ug/Kg	08/01/13	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	08/01/13	DD	SW 8270
4-Nitroaniline	ND	580	ug/Kg	08/01/13	DD	SW 8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1100	ug/Kg	08/01/13	DD	SW 8270
Acenaphthene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Acetophenone	ND	250	ug/Kg	08/01/13	DD	SW 8270
Aniline	ND	1100	ug/Kg	08/01/13	DD	SW 8270
Anthracene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Benz(a)anthracene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Benzdine	ND	440	ug/Kg	08/01/13	DD	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Benzo(b)fluoranthene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Benzoic acid	ND	1100	ug/Kg	08/01/13	DD	SW 8270
Benzyl butyl phthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	08/01/13	DD	SW 8270
Bis(2-chloroethyl)ether	ND	360	ug/Kg	08/01/13	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	08/01/13	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Carbazole	ND	540	ug/Kg	08/01/13	DD	SW 8270
Chrysene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Dibenzofuran	ND	250	ug/Kg	08/01/13	DD	SW 8270
Diethyl phthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Dimethylphthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Di-n-butylphthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Di-n-octylphthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Fluoranthene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Fluorene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Hexachlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Hexachlorobutadiene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Hexachloroethane	ND	250	ug/Kg	08/01/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Isophorone	ND	250	ug/Kg	08/01/13	DD	SW 8270
Naphthalene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Nitrobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
N-Nitrosodimethylamine	ND	360	ug/Kg	08/01/13	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	08/01/13	DD	SW 8270
N-Nitrosodiphenylamine	ND	360	ug/Kg	08/01/13	DD	SW 8270
Pentachloronitrobenzene	ND	360	ug/Kg	08/01/13	DD	SW 8270
Pentachlorophenol	ND	360	ug/Kg	08/01/13	DD	SW 8270
Phenanthrene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Phenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
Pyrene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Pyridine	ND	360	ug/Kg	08/01/13	DD	SW 8270
QA/QC Surrogates						
% 2,4,6-Tribromophenol	37		%	08/01/13	DD	30 - 130 %
% 2-Fluorobiphenyl	76		%	08/01/13	DD	30 - 130 %
% 2-Fluorophenol	67		%	08/01/13	DD	30 - 130 %
% Nitrobenzene-d5	70		%	08/01/13	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Phenol-d5	74		%	08/01/13	DD	30 - 130 %
% Terphenyl-d14	103		%	08/01/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1O = This parameter is not certified by NY NELAC for this matrix.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

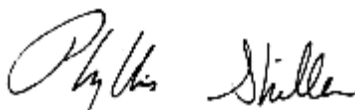
Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 07, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 07, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G
Environmental Business Consulta
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
07/29/13 10:45
07/31/13 15:15

Laboratory Data

SDG ID: GBF14186
Phoenix ID: BF14189

Project ID: 555 GRAND ST., BROOKLYN
Client ID: B2 2-4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 1.0	1.0	mg/Kg	08/01/13	EK	SW6010
Aluminum	8450	54	mg/Kg	08/01/13	EK	SW6010
Arsenic	6.7	0.7	mg/Kg	08/01/13	EK	SW6010
Barium	64.9	0.36	mg/Kg	08/01/13	EK	SW6010
Beryllium	0.46	0.29	mg/Kg	08/01/13	EK	SW6010
Calcium	28300	54	mg/Kg	08/01/13	EK	SW6010
Cadmium	0.77	0.36	mg/Kg	08/01/13	EK	SW6010
Cobalt	5.53	0.36	mg/Kg	08/01/13	EK	SW6010
Chromium	22.7	0.36	mg/Kg	08/01/13	EK	SW6010
Copper	790	3.6	mg/kg	08/01/13	EK	SW6010
Iron	19300	54	mg/Kg	08/01/13	EK	SW6010
Mercury	< 0.09	0.09	mg/Kg	08/01/13	RS	SW-7471
Potassium	1130	5.4	mg/Kg	08/01/13	EK	SW6010
Magnesium	2520	5.4	mg/Kg	08/02/13	LK	SW6010
Manganese	253	3.6	mg/Kg	08/01/13	EK	SW6010
Sodium	234	5.4	mg/Kg	08/01/13	EK	SW6010
Nickel	17.0	0.36	mg/Kg	08/01/13	EK	SW6010
Lead	333	3.6	mg/Kg	08/01/13	EK	SW6010
Antimony	10.8	3.6	mg/Kg	08/02/13	LK	SW6010
Selenium	< 1.4	1.4	mg/Kg	08/01/13	EK	SW6010
Thallium	< 0.6	0.6	mg/Kg	08/02/13	LK	SW6010
Vanadium	29.7	0.36	mg/Kg	08/01/13	EK	SW6010
Zinc	95.5	0.36	mg/Kg	08/01/13	EK	SW6010
Percent Solid	91		%	07/31/13	W	E160.3
Soil Extraction for PCB	Completed			07/31/13	JJ	SW3545
Soil Extraction for Pesticide	Completed			07/31/13	JJ/V	SW3545
Soil Extraction for SVOA	Completed			07/31/13	JJ/FV	SW3545
Mercury Digestion	Completed			08/01/13	H/H	SW7471

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			07/31/13	ZAG	SW846 - 3050
Field Extraction	Completed			07/29/13		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	72	ug/Kg	08/01/13	AW	SW 8082
PCB-1221	ND	72	ug/Kg	08/01/13	AW	SW 8082
PCB-1232	ND	72	ug/Kg	08/01/13	AW	SW 8082
PCB-1242	ND	72	ug/Kg	08/01/13	AW	SW 8082
PCB-1248	ND	72	ug/Kg	08/01/13	AW	SW 8082
PCB-1254	ND	72	ug/Kg	08/01/13	AW	SW 8082
PCB-1260	ND	72	ug/Kg	08/01/13	AW	SW 8082
PCB-1262	ND	72	ug/Kg	08/01/13	AW	SW 8082
PCB-1268	ND	72	ug/Kg	08/01/13	AW	SW 8082

QA/QC Surrogates

% DCBP	38		%	08/01/13	AW	30 - 150 %
% TCMX	45		%	08/01/13	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	2.1	ug/Kg	08/01/13	MH	SW8081
4,4' -DDE	ND	2.1	ug/Kg	08/01/13	MH	SW8081
4,4' -DDT	ND	2.1	ug/Kg	08/01/13	MH	SW8081
a-BHC	ND	3.4	ug/Kg	08/01/13	MH	SW8081
Alachlor	ND	3.4	ug/Kg	08/01/13	MH	SW8081
Aldrin	ND	1.1	ug/Kg	08/01/13	MH	SW8081
b-BHC	ND	3.4	ug/Kg	08/01/13	MH	SW8081
Chlordane	ND	11	ug/Kg	08/01/13	MH	SW8081
d-BHC	ND	3.4	ug/Kg	08/01/13	MH	SW8081
Dieldrin	ND	1.1	ug/Kg	08/01/13	MH	SW8081
Endosulfan I	ND	3.4	ug/Kg	08/01/13	MH	SW8081
Endosulfan II	ND	6.9	ug/Kg	08/01/13	MH	SW8081
Endosulfan sulfate	ND	6.9	ug/Kg	08/01/13	MH	SW8081
Endrin	ND	6.9	ug/Kg	08/01/13	MH	SW8081
Endrin aldehyde	ND	6.9	ug/Kg	08/01/13	MH	SW8081
Endrin ketone	ND	6.9	ug/Kg	08/01/13	MH	SW8081
g-BHC	ND	1.1	ug/Kg	08/01/13	MH	SW8081
Heptachlor	ND	2.1	ug/Kg	08/01/13	MH	SW8081
Heptachlor epoxide	ND	3.4	ug/Kg	08/01/13	MH	SW8081
Methoxychlor	ND	34	ug/Kg	08/01/13	MH	SW8081
Toxaphene	ND	34	ug/Kg	08/01/13	MH	SW8081

QA/QC Surrogates

% DCBP	41		%	08/01/13	MH	30 - 150 %
% TCMX	33		%	08/01/13	MH	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
1,1,1-Trichloroethane	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.1	ug/Kg	08/01/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethane	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
1,2,3-Trichloropropane	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
1,2-Dibromoethane	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichloroethane	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichloropropane	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
1,3-Dichloropropane	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
2,2-Dichloropropane	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
2-Chlorotoluene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
2-Hexanone	ND	26	ug/Kg	08/01/13	R/J	SW8260
2-Isopropyltoluene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
4-Chlorotoluene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
4-Methyl-2-pentanone	ND	26	ug/Kg	08/01/13	R/J	SW8260
Acetone	ND	31	ug/Kg	08/01/13	R/J	SW8260
Acrylonitrile	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Benzene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Bromobenzene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Bromochloromethane	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Bromodichloromethane	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Bromoform	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Bromomethane	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Carbon Disulfide	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Carbon tetrachloride	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Chlorobenzene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Chloroethane	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Chloroform	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Chloromethane	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Dibromochloromethane	ND	3.1	ug/Kg	08/01/13	R/J	SW8260
Dibromomethane	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Dichlorodifluoromethane	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Ethylbenzene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Hexachlorobutadiene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Isopropylbenzene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
m&p-Xylene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Methyl Ethyl Ketone	ND	31	ug/Kg	08/01/13	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	08/01/13	R/J	SW8260
Methylene chloride	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Naphthalene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
n-Butylbenzene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
n-Propylbenzene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
o-Xylene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
p-Isopropyltoluene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
sec-Butylbenzene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Styrene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
tert-Butylbenzene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Tetrachloroethene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	08/01/13	R/J	SW8260
Toluene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Total Xylenes	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	08/01/13	R/J	SW8260
Trichloroethene	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Trichlorofluoromethane	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Trichlorotrifluoroethane	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
Vinyl chloride	ND	5.1	ug/Kg	08/01/13	R/J	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	101		%	08/01/13	R/J	70 - 130 %
% Bromofluorobenzene	91		%	08/01/13	R/J	70 - 130 %
% Dibromofluoromethane	97		%	08/01/13	R/J	70 - 130 %
% Toluene-d8	101		%	08/01/13	R/J	70 - 130 %
<u>Semivolatiles</u>						
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
1,2-Dichlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	ug/Kg	08/01/13	DD	SW 8270
1,3-Dichlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
1,4-Dichlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4-Dichlorophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4-Dimethylphenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4-Dinitrophenol	ND	580	ug/Kg	08/01/13	DD	SW 8270
2,4-Dinitrotoluene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,6-Dinitrotoluene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Chloronaphthalene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Chlorophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Methylnaphthalene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Nitroaniline	ND	580	ug/Kg	08/01/13	DD	SW 8270
2-Nitrophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	08/01/13	DD	SW 8270
3,3'-Dichlorobenzidine	ND	250	ug/Kg	08/01/13	DD	SW 8270
3-Nitroaniline	ND	580	ug/Kg	08/01/13	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	08/01/13	DD	SW 8270
4-Bromophenyl phenyl ether	ND	360	ug/Kg	08/01/13	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
4-Chloroaniline	ND	250	ug/Kg	08/01/13	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	08/01/13	DD	SW 8270
4-Nitroaniline	ND	580	ug/Kg	08/01/13	DD	SW 8270

Client ID: B2 2-4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1000	ug/Kg	08/01/13	DD	SW 8270
Acenaphthene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Acetophenone	ND	250	ug/Kg	08/01/13	DD	SW 8270
Aniline	ND	1000	ug/Kg	08/01/13	DD	SW 8270
Anthracene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Benz(a)anthracene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Benzdine	ND	430	ug/Kg	08/01/13	DD	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Benzo(b)fluoranthene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Benzoic acid	ND	1000	ug/Kg	08/01/13	DD	SW 8270
Benzyl butyl phthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	08/01/13	DD	SW 8270
Bis(2-chloroethyl)ether	ND	360	ug/Kg	08/01/13	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	08/01/13	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Carbazole	ND	540	ug/Kg	08/01/13	DD	SW 8270
Chrysene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Dibenzofuran	ND	250	ug/Kg	08/01/13	DD	SW 8270
Diethyl phthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Dimethylphthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Di-n-butylphthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Di-n-octylphthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Fluoranthene	450	250	ug/Kg	08/01/13	DD	SW 8270
Fluorene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Hexachlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Hexachlorobutadiene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Hexachloroethane	ND	250	ug/Kg	08/01/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Isophorone	ND	250	ug/Kg	08/01/13	DD	SW 8270
Naphthalene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Nitrobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
N-Nitrosodimethylamine	ND	360	ug/Kg	08/01/13	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	08/01/13	DD	SW 8270
N-Nitrosodiphenylamine	ND	360	ug/Kg	08/01/13	DD	SW 8270
Pentachloronitrobenzene	ND	360	ug/Kg	08/01/13	DD	SW 8270
Pentachlorophenol	ND	360	ug/Kg	08/01/13	DD	SW 8270
Phenanthrene	300	250	ug/Kg	08/01/13	DD	SW 8270
Phenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
Pyrene	560	250	ug/Kg	08/01/13	DD	SW 8270
Pyridine	ND	360	ug/Kg	08/01/13	DD	SW 8270
QA/QC Surrogates						
% 2,4,6-Tribromophenol	32		%	08/01/13	DD	30 - 130 %
% 2-Fluorobiphenyl	83		%	08/01/13	DD	30 - 130 %
% 2-Fluorophenol	65		%	08/01/13	DD	30 - 130 %
% Nitrobenzene-d5	70		%	08/01/13	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Phenol-d5	74		%	08/01/13	DD	30 - 130 %
% Terphenyl-d14	111		%	08/01/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1O = This parameter is not certified by NY NELAC for this matrix.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

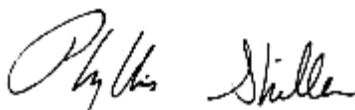
Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 07, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 07, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G
Environmental Business Consulta
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
07/29/13 10:30
07/31/13 15:15

Laboratory Data

SDG ID: GBF14186
Phoenix ID: BF14190

Project ID: 555 GRAND ST., BROOKLYN
Client ID: B3 0-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.32	0.32	mg/Kg	08/01/13	EK	SW6010
Aluminum	10900	49	mg/Kg	08/01/13	EK	SW6010
Arsenic	8.0	0.6	mg/Kg	08/01/13	EK	SW6010
Barium	220	0.32	mg/Kg	08/01/13	EK	SW6010
Beryllium	0.47	0.26	mg/Kg	08/01/13	EK	SW6010
Calcium	31400	49	mg/Kg	08/01/13	EK	SW6010
Cadmium	3.13	0.32	mg/Kg	08/01/13	EK	SW6010
Cobalt	7.78	0.32	mg/Kg	08/01/13	EK	SW6010
Chromium	25.9	0.32	mg/Kg	08/01/13	EK	SW6010
Copper	94.2	0.32	mg/kg	08/01/13	EK	SW6010
Iron	68600	49	mg/Kg	08/01/13	EK	SW6010
Mercury	1.51	0.07	mg/Kg	08/01/13	RS	SW-7471
Potassium	1430	4.9	mg/Kg	08/01/13	EK	SW6010
Magnesium	3590	4.9	mg/Kg	08/01/13	LK	SW6010
Manganese	572	3.2	mg/Kg	08/01/13	EK	SW6010
Sodium	567	4.9	mg/Kg	08/01/13	EK	SW6010
Nickel	23.7	0.32	mg/Kg	08/01/13	EK	SW6010
Lead	386	3.2	mg/Kg	08/01/13	EK	SW6010
Antimony	< 3.2	3.2	mg/Kg	08/01/13	EK	SW6010
Selenium	< 1.3	1.3	mg/Kg	08/01/13	EK	SW6010
Thallium	< 0.5	0.5	mg/Kg	08/01/13	LK	SW6010
Vanadium	26.1	0.32	mg/Kg	08/01/13	EK	SW6010
Zinc	222	3.2	mg/Kg	08/01/13	EK	SW6010
Percent Solid	93		%	07/31/13	W	E160.3
Soil Extraction for PCB	Completed			07/31/13	JJ	SW3545
Soil Extraction for Pesticide	Completed			07/31/13	JJ/V	SW3545
Soil Extraction for SVOA	Completed			07/31/13	JJ/FV	SW3545
Mercury Digestion	Completed			08/01/13	H/H	SW7471

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			07/31/13	Z/AG/X	SW846 - 3050
Field Extraction	Completed			07/29/13		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	70	ug/Kg	08/01/13	AW	SW 8082
PCB-1221	ND	70	ug/Kg	08/01/13	AW	SW 8082
PCB-1232	ND	70	ug/Kg	08/01/13	AW	SW 8082
PCB-1242	ND	70	ug/Kg	08/01/13	AW	SW 8082
PCB-1248	ND	70	ug/Kg	08/01/13	AW	SW 8082
PCB-1254	ND	70	ug/Kg	08/01/13	AW	SW 8082
PCB-1260	ND	70	ug/Kg	08/01/13	AW	SW 8082
PCB-1262	ND	70	ug/Kg	08/01/13	AW	SW 8082
PCB-1268	ND	70	ug/Kg	08/01/13	AW	SW 8082

QA/QC Surrogates

% DCBP	54		%	08/01/13	AW	30 - 150 %
% TCMX	63		%	08/01/13	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	2.1	ug/Kg	08/01/13	MH	SW8081
4,4' -DDE	ND	2.1	ug/Kg	08/01/13	MH	SW8081
4,4' -DDT	ND	2.1	ug/Kg	08/01/13	MH	SW8081
a-BHC	ND	3.4	ug/Kg	08/01/13	MH	SW8081
Alachlor	ND	3.4	ug/Kg	08/01/13	MH	SW8081
Aldrin	ND	1.0	ug/Kg	08/01/13	MH	SW8081
b-BHC	ND	3.4	ug/Kg	08/01/13	MH	SW8081
Chlordane	ND	10	ug/Kg	08/01/13	MH	SW8081
d-BHC	ND	3.4	ug/Kg	08/01/13	MH	SW8081
Dieldrin	ND	1.0	ug/Kg	08/01/13	MH	SW8081
Endosulfan I	ND	3.4	ug/Kg	08/01/13	MH	SW8081
Endosulfan II	ND	6.7	ug/Kg	08/01/13	MH	SW8081
Endosulfan sulfate	ND	6.7	ug/Kg	08/01/13	MH	SW8081
Endrin	ND	6.7	ug/Kg	08/01/13	MH	SW8081
Endrin aldehyde	ND	6.7	ug/Kg	08/01/13	MH	SW8081
Endrin ketone	ND	6.7	ug/Kg	08/01/13	MH	SW8081
g-BHC	ND	1.0	ug/Kg	08/01/13	MH	SW8081
Heptachlor	ND	2.1	ug/Kg	08/01/13	MH	SW8081
Heptachlor epoxide	ND	3.4	ug/Kg	08/01/13	MH	SW8081
Methoxychlor	ND	34	ug/Kg	08/01/13	MH	SW8081
Toxaphene	ND	34	ug/Kg	08/01/13	MH	SW8081

QA/QC Surrogates

% DCBP	63		%	08/01/13	MH	30 - 150 %
% TCMX	43		%	08/01/13	MH	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
1,1,1-Trichloroethane	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.2	ug/Kg	08/01/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethane	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
1,2,3-Trichloropropane	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
1,2-Dibromoethane	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichloroethane	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichloropropane	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
1,3-Dichloropropane	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
2,2-Dichloropropane	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
2-Chlorotoluene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
2-Hexanone	ND	27	ug/Kg	08/01/13	R/J	SW8260
2-Isopropyltoluene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
4-Chlorotoluene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
4-Methyl-2-pentanone	ND	27	ug/Kg	08/01/13	R/J	SW8260
Acetone	73	32	ug/Kg	08/01/13	R/J	SW8260
Acrylonitrile	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Benzene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Bromobenzene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Bromochloromethane	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Bromodichloromethane	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Bromoform	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Bromomethane	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Carbon Disulfide	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Carbon tetrachloride	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Chlorobenzene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Chloroethane	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Chloroform	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Chloromethane	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Dibromochloromethane	ND	3.2	ug/Kg	08/01/13	R/J	SW8260
Dibromomethane	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Dichlorodifluoromethane	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Ethylbenzene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Hexachlorobutadiene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Isopropylbenzene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
m&p-Xylene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Methyl Ethyl Ketone	ND	32	ug/Kg	08/01/13	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	08/01/13	R/J	SW8260
Methylene chloride	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Naphthalene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
n-Butylbenzene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
n-Propylbenzene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
o-Xylene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
p-Isopropyltoluene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
sec-Butylbenzene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Styrene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
tert-Butylbenzene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Tetrachloroethene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	08/01/13	R/J	SW8260
Toluene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Total Xylenes	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	08/01/13	R/J	SW8260
Trichloroethene	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Trichlorofluoromethane	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Trichlorotrifluoroethane	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
Vinyl chloride	ND	5.3	ug/Kg	08/01/13	R/J	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	101		%	08/01/13	R/J	70 - 130 %
% Bromofluorobenzene	91		%	08/01/13	R/J	70 - 130 %
% Dibromofluoromethane	89		%	08/01/13	R/J	70 - 130 %
% Toluene-d8	99		%	08/01/13	R/J	70 - 130 %
<u>Semivolatiles</u>						
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
1,2-Dichlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
1,2-Diphenylhydrazine	ND	350	ug/Kg	08/01/13	DD	SW 8270
1,3-Dichlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
1,4-Dichlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4-Dichlorophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4-Dimethylphenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4-Dinitrophenol	ND	570	ug/Kg	08/01/13	DD	SW 8270
2,4-Dinitrotoluene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,6-Dinitrotoluene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Chloronaphthalene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Chlorophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Methylnaphthalene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Nitroaniline	ND	570	ug/Kg	08/01/13	DD	SW 8270
2-Nitrophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	08/01/13	DD	SW 8270
3,3'-Dichlorobenzidine	ND	250	ug/Kg	08/01/13	DD	SW 8270
3-Nitroaniline	ND	570	ug/Kg	08/01/13	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	08/01/13	DD	SW 8270
4-Bromophenyl phenyl ether	ND	350	ug/Kg	08/01/13	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
4-Chloroaniline	ND	250	ug/Kg	08/01/13	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	08/01/13	DD	SW 8270
4-Nitroaniline	ND	570	ug/Kg	08/01/13	DD	SW 8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1000	ug/Kg	08/01/13	DD	SW 8270
Acenaphthene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Acetophenone	ND	250	ug/Kg	08/01/13	DD	SW 8270
Aniline	ND	1000	ug/Kg	08/01/13	DD	SW 8270
Anthracene	440	250	ug/Kg	08/01/13	DD	SW 8270
Benz(a)anthracene	780	250	ug/Kg	08/01/13	DD	SW 8270
Benzydine	ND	420	ug/Kg	08/01/13	DD	SW 8270
Benzo(a)pyrene	570	250	ug/Kg	08/01/13	DD	SW 8270
Benzo(b)fluoranthene	860	250	ug/Kg	08/01/13	DD	SW 8270
Benzo(ghi)perylene	260	250	ug/Kg	08/01/13	DD	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Benzoic acid	ND	1000	ug/Kg	08/01/13	DD	SW 8270
Benzyl butyl phthalate	820	250	ug/Kg	08/01/13	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	08/01/13	DD	SW 8270
Bis(2-chloroethyl)ether	ND	350	ug/Kg	08/01/13	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	08/01/13	DD	SW 8270
Bis(2-ethylhexyl)phthalate	270	250	ug/Kg	08/01/13	DD	SW 8270
Carbazole	ND	530	ug/Kg	08/01/13	DD	SW 8270
Chrysene	790	250	ug/Kg	08/01/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Dibenzofuran	310	250	ug/Kg	08/01/13	DD	SW 8270
Diethyl phthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Dimethylphthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Di-n-butylphthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Di-n-octylphthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Fluoranthene	1900	250	ug/Kg	08/01/13	DD	SW 8270
Fluorene	270	250	ug/Kg	08/01/13	DD	SW 8270
Hexachlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Hexachlorobutadiene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Hexachloroethane	ND	250	ug/Kg	08/01/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	260	250	ug/Kg	08/01/13	DD	SW 8270
Isophorone	ND	250	ug/Kg	08/01/13	DD	SW 8270
Naphthalene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Nitrobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
N-Nitrosodimethylamine	ND	350	ug/Kg	08/01/13	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	08/01/13	DD	SW 8270
N-Nitrosodiphenylamine	ND	350	ug/Kg	08/01/13	DD	SW 8270
Pentachloronitrobenzene	ND	350	ug/Kg	08/01/13	DD	SW 8270
Pentachlorophenol	ND	350	ug/Kg	08/01/13	DD	SW 8270
Phenanthrene	2100	250	ug/Kg	08/01/13	DD	SW 8270
Phenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
Pyrene	1500	250	ug/Kg	08/01/13	DD	SW 8270
Pyridine	ND	350	ug/Kg	08/01/13	DD	SW 8270
QA/QC Surrogates						
% 2,4,6-Tribromophenol	59		%	08/01/13	DD	30 - 130 %
% 2-Fluorobiphenyl	87		%	08/01/13	DD	30 - 130 %
% 2-Fluorophenol	80		%	08/01/13	DD	30 - 130 %
% Nitrobenzene-d5	73		%	08/01/13	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Phenol-d5	77		%	08/01/13	DD	30 - 130 %
% Terphenyl-d14	109		%	08/01/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

10 = This parameter is not certified by NY NELAC for this matrix.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

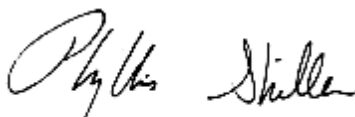
Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 07, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 07, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G
Environmental Business Consulta
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

07/29/13 10:45
07/31/13 15:15

Time

Laboratory Data

SDG ID: GBF14186
Phoenix ID: BF14191

Project ID: 555 GRAND ST., BROOKLYN
Client ID: B3 2-4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	08/01/13	EK	SW6010
Aluminum	12300	55	mg/Kg	08/01/13	EK	SW6010
Arsenic	10.7	0.7	mg/Kg	08/01/13	EK	SW6010
Barium	207	0.37	mg/Kg	08/01/13	EK	SW6010
Beryllium	0.56	0.29	mg/Kg	08/01/13	EK	SW6010
Calcium	21800	55	mg/Kg	08/01/13	EK	SW6010
Cadmium	1.50	0.37	mg/Kg	08/01/13	EK	SW6010
Cobalt	7.69	0.37	mg/Kg	08/01/13	EK	SW6010
Chromium	26.2	0.37	mg/Kg	08/01/13	EK	SW6010
Copper	107	0.37	mg/kg	08/01/13	EK	SW6010
Iron	41400	55	mg/Kg	08/01/13	EK	SW6010
Mercury	2.72	0.07	mg/Kg	08/01/13	RS	SW-7471
Potassium	1400	5.5	mg/Kg	08/01/13	EK	SW6010
Magnesium	3460	5.5	mg/Kg	08/01/13	LK	SW6010
Manganese	500	3.7	mg/Kg	08/01/13	EK	SW6010
Sodium	471	5.5	mg/Kg	08/01/13	EK	SW6010
Nickel	20.4	0.37	mg/Kg	08/01/13	EK	SW6010
Lead	442	3.7	mg/Kg	08/01/13	EK	SW6010
Antimony	< 3.7	3.7	mg/Kg	08/01/13	EK	SW6010
Selenium	< 1.5	1.5	mg/Kg	08/01/13	EK	SW6010
Thallium	< 0.6	0.6	mg/Kg	08/01/13	LK	SW6010
Vanadium	35.0	0.37	mg/Kg	08/01/13	EK	SW6010
Zinc	173	3.7	mg/Kg	08/01/13	EK	SW6010
Percent Solid	90		%	07/31/13	W	E160.3
Soil Extraction for PCB	Completed			07/31/13	JJ	SW3545
Soil Extraction for Pesticide	Completed			07/31/13	JJ/V	SW3545
Soil Extraction for SVOA	Completed			07/31/13	JJ/FV	SW3545
Mercury Digestion	Completed			08/01/13	H/H	SW7471

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			07/31/13	Z/AG/X	SW846 - 3050
Field Extraction	Completed			07/29/13		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	74	ug/Kg	08/01/13	AW	SW 8082
PCB-1221	ND	74	ug/Kg	08/01/13	AW	SW 8082
PCB-1232	ND	74	ug/Kg	08/01/13	AW	SW 8082
PCB-1242	ND	74	ug/Kg	08/01/13	AW	SW 8082
PCB-1248	ND	74	ug/Kg	08/01/13	AW	SW 8082
PCB-1254	ND	74	ug/Kg	08/01/13	AW	SW 8082
PCB-1260	ND	74	ug/Kg	08/01/13	AW	SW 8082
PCB-1262	ND	74	ug/Kg	08/01/13	AW	SW 8082
PCB-1268	ND	74	ug/Kg	08/01/13	AW	SW 8082

QA/QC Surrogates

% DCBP	78		%	08/01/13	AW	30 - 150 %
% TCMX	87		%	08/01/13	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	2.2	ug/Kg	08/01/13	MH	SW8081
4,4' -DDE	ND	2.2	ug/Kg	08/01/13	MH	SW8081
4,4' -DDT	ND	2.2	ug/Kg	08/01/13	MH	SW8081
a-BHC	ND	3.5	ug/Kg	08/01/13	MH	SW8081
Alachlor	ND	3.5	ug/Kg	08/01/13	MH	SW8081
Aldrin	ND	1.1	ug/Kg	08/01/13	MH	SW8081
b-BHC	ND	3.5	ug/Kg	08/01/13	MH	SW8081
Chlordane	ND	11	ug/Kg	08/01/13	MH	SW8081
d-BHC	ND	3.5	ug/Kg	08/01/13	MH	SW8081
Dieldrin	ND	1.1	ug/Kg	08/01/13	MH	SW8081
Endosulfan I	ND	3.5	ug/Kg	08/01/13	MH	SW8081
Endosulfan II	ND	7.1	ug/Kg	08/01/13	MH	SW8081
Endosulfan sulfate	ND	7.1	ug/Kg	08/01/13	MH	SW8081
Endrin	ND	7.1	ug/Kg	08/01/13	MH	SW8081
Endrin aldehyde	ND	7.1	ug/Kg	08/01/13	MH	SW8081
Endrin ketone	ND	7.1	ug/Kg	08/01/13	MH	SW8081
g-BHC	ND	1.1	ug/Kg	08/01/13	MH	SW8081
Heptachlor	ND	2.2	ug/Kg	08/01/13	MH	SW8081
Heptachlor epoxide	ND	3.5	ug/Kg	08/01/13	MH	SW8081
Methoxychlor	ND	35	ug/Kg	08/01/13	MH	SW8081
Toxaphene	ND	35	ug/Kg	08/01/13	MH	SW8081

QA/QC Surrogates

% DCBP	88		%	08/01/13	MH	30 - 150 %
% TCMX	50		%	08/01/13	MH	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
1,1,1-Trichloroethane	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	2.6	ug/Kg	08/01/13	R/J	SW8260
1,1,2-Trichloroethane	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethane	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
1,2,3-Trichloropropane	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
1,2-Dibromoethane	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichlorobenzene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichloroethane	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichloropropane	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
1,3-Dichlorobenzene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
1,3-Dichloropropane	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
1,4-Dichlorobenzene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
2,2-Dichloropropane	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
2-Chlorotoluene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
2-Hexanone	ND	22	ug/Kg	08/01/13	R/J	SW8260
2-Isopropyltoluene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
4-Chlorotoluene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
4-Methyl-2-pentanone	ND	22	ug/Kg	08/01/13	R/J	SW8260
Acetone	61	26	ug/Kg	08/01/13	R/J	SW8260
Acrylonitrile	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Benzene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Bromobenzene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Bromochloromethane	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Bromodichloromethane	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Bromoform	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Bromomethane	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Carbon Disulfide	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Carbon tetrachloride	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Chlorobenzene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Chloroethane	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Chloroform	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Chloromethane	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
cis-1,2-Dichloroethene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
cis-1,3-Dichloropropene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Dibromochloromethane	ND	2.6	ug/Kg	08/01/13	R/J	SW8260
Dibromomethane	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Dichlorodifluoromethane	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Ethylbenzene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Hexachlorobutadiene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Isopropylbenzene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
m&p-Xylene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Methyl Ethyl Ketone	ND	26	ug/Kg	08/01/13	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	8.8	ug/Kg	08/01/13	R/J	SW8260
Methylene chloride	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Naphthalene	9.2	4.4	ug/Kg	08/01/13	R/J	SW8260
n-Butylbenzene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
n-Propylbenzene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
o-Xylene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
p-Isopropyltoluene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
sec-Butylbenzene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Styrene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
tert-Butylbenzene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Tetrachloroethene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Tetrahydrofuran (THF)	ND	8.8	ug/Kg	08/01/13	R/J	SW8260
Toluene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Total Xylenes	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
trans-1,2-Dichloroethene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
trans-1,3-Dichloropropene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
trans-1,4-dichloro-2-butene	ND	8.8	ug/Kg	08/01/13	R/J	SW8260
Trichloroethene	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Trichlorofluoromethane	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Trichlorotrifluoroethane	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
Vinyl chloride	ND	4.4	ug/Kg	08/01/13	R/J	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	103		%	08/01/13	R/J	70 - 130 %
% Bromofluorobenzene	94		%	08/01/13	R/J	70 - 130 %
% Dibromofluoromethane	110		%	08/01/13	R/J	70 - 130 %
% Toluene-d8	98		%	08/01/13	R/J	70 - 130 %
<u>Semivolatiles</u>						
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	08/01/13	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	ug/Kg	08/01/13	DD	SW 8270
1,2-Dichlorobenzene	ND	260	ug/Kg	08/01/13	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	ug/Kg	08/01/13	DD	SW 8270
1,3-Dichlorobenzene	ND	260	ug/Kg	08/01/13	DD	SW 8270
1,4-Dichlorobenzene	ND	260	ug/Kg	08/01/13	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	ug/Kg	08/01/13	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	ug/Kg	08/01/13	DD	SW 8270
2,4-Dichlorophenol	ND	260	ug/Kg	08/01/13	DD	SW 8270
2,4-Dimethylphenol	ND	260	ug/Kg	08/01/13	DD	SW 8270
2,4-Dinitrophenol	ND	590	ug/Kg	08/01/13	DD	SW 8270
2,4-Dinitrotoluene	ND	260	ug/Kg	08/01/13	DD	SW 8270
2,6-Dinitrotoluene	ND	260	ug/Kg	08/01/13	DD	SW 8270
2-Chloronaphthalene	ND	260	ug/Kg	08/01/13	DD	SW 8270
2-Chlorophenol	ND	260	ug/Kg	08/01/13	DD	SW 8270
2-Methylnaphthalene	ND	260	ug/Kg	08/01/13	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	ug/Kg	08/01/13	DD	SW 8270
2-Nitroaniline	ND	590	ug/Kg	08/01/13	DD	SW 8270
2-Nitrophenol	ND	260	ug/Kg	08/01/13	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	08/01/13	DD	SW 8270
3,3'-Dichlorobenzidine	ND	260	ug/Kg	08/01/13	DD	SW 8270
3-Nitroaniline	ND	590	ug/Kg	08/01/13	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	08/01/13	DD	SW 8270
4-Bromophenyl phenyl ether	ND	370	ug/Kg	08/01/13	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	ug/Kg	08/01/13	DD	SW 8270
4-Chloroaniline	ND	260	ug/Kg	08/01/13	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	08/01/13	DD	SW 8270
4-Nitroaniline	ND	590	ug/Kg	08/01/13	DD	SW 8270

Client ID: B3 2-4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1100	ug/Kg	08/01/13	DD	SW 8270
Acenaphthene	380	260	ug/Kg	08/01/13	DD	SW 8270
Acenaphthylene	ND	260	ug/Kg	08/01/13	DD	SW 8270
Acetophenone	ND	260	ug/Kg	08/01/13	DD	SW 8270
Aniline	ND	1100	ug/Kg	08/01/13	DD	SW 8270
Anthracene	780	260	ug/Kg	08/01/13	DD	SW 8270
Benz(a)anthracene	1300	260	ug/Kg	08/01/13	DD	SW 8270
Benzdine	ND	440	ug/Kg	08/01/13	DD	SW 8270
Benzo(a)pyrene	930	260	ug/Kg	08/01/13	DD	SW 8270
Benzo(b)fluoranthene	1300	260	ug/Kg	08/01/13	DD	SW 8270
Benzo(ghi)perylene	370	260	ug/Kg	08/01/13	DD	SW 8270
Benzo(k)fluoranthene	410	260	ug/Kg	08/01/13	DD	SW 8270
Benzoic acid	ND	1100	ug/Kg	08/01/13	DD	SW 8270
Benzyl butyl phthalate	450	260	ug/Kg	08/01/13	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	08/01/13	DD	SW 8270
Bis(2-chloroethyl)ether	ND	370	ug/Kg	08/01/13	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	08/01/13	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	08/01/13	DD	SW 8270
Carbazole	630	550	ug/Kg	08/01/13	DD	SW 8270
Chrysene	1300	260	ug/Kg	08/01/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	08/01/13	DD	SW 8270
Dibenzofuran	570	260	ug/Kg	08/01/13	DD	SW 8270
Diethyl phthalate	ND	260	ug/Kg	08/01/13	DD	SW 8270
Dimethylphthalate	ND	260	ug/Kg	08/01/13	DD	SW 8270
Di-n-butylphthalate	ND	260	ug/Kg	08/01/13	DD	SW 8270
Di-n-octylphthalate	ND	260	ug/Kg	08/01/13	DD	SW 8270
Fluoranthene	3300	260	ug/Kg	08/01/13	DD	SW 8270
Fluorene	500	260	ug/Kg	08/01/13	DD	SW 8270
Hexachlorobenzene	ND	260	ug/Kg	08/01/13	DD	SW 8270
Hexachlorobutadiene	ND	260	ug/Kg	08/01/13	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	ug/Kg	08/01/13	DD	SW 8270
Hexachloroethane	ND	260	ug/Kg	08/01/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	380	260	ug/Kg	08/01/13	DD	SW 8270
Isophorone	ND	260	ug/Kg	08/01/13	DD	SW 8270
Naphthalene	380	260	ug/Kg	08/01/13	DD	SW 8270
Nitrobenzene	ND	260	ug/Kg	08/01/13	DD	SW 8270
N-Nitrosodimethylamine	ND	370	ug/Kg	08/01/13	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	08/01/13	DD	SW 8270
N-Nitrosodiphenylamine	ND	370	ug/Kg	08/01/13	DD	SW 8270
Pentachloronitrobenzene	ND	370	ug/Kg	08/01/13	DD	SW 8270
Pentachlorophenol	ND	370	ug/Kg	08/01/13	DD	SW 8270
Phenanthrene	3800	260	ug/Kg	08/01/13	DD	SW 8270
Phenol	ND	260	ug/Kg	08/01/13	DD	SW 8270
Pyrene	2800	260	ug/Kg	08/01/13	DD	SW 8270
Pyridine	ND	370	ug/Kg	08/01/13	DD	SW 8270
QA/QC Surrogates						
% 2,4,6-Tribromophenol	74		%	08/01/13	DD	30 - 130 %
% 2-Fluorobiphenyl	94		%	08/01/13	DD	30 - 130 %
% 2-Fluorophenol	76		%	08/01/13	DD	30 - 130 %
% Nitrobenzene-d5	74		%	08/01/13	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Phenol-d5	78		%	08/01/13	DD	30 - 130 %
% Terphenyl-d14	115		%	08/01/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

10 = This parameter is not certified by NY NELAC for this matrix.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

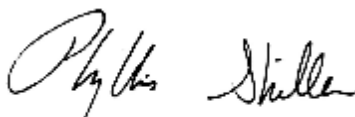
Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 07, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 07, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G
Environmental Business Consulta
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

07/29/13

Time

0:00

07/31/13

15:15

Laboratory Data

SDG ID: GBF14186

Phoenix ID: BF14192

Project ID: 555 GRAND ST., BROOKLYN

Client ID: DUPLICATE

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	08/01/13	EK	SW6010
Aluminum	11800	52	mg/Kg	08/01/13	EK	SW6010
Arsenic	9.9	0.7	mg/Kg	08/01/13	EK	SW6010
Barium	205	0.34	mg/Kg	08/01/13	EK	SW6010
Beryllium	0.50	0.27	mg/Kg	08/01/13	EK	SW6010
Calcium	39200	52	mg/Kg	08/01/13	EK	SW6010
Cadmium	1.47	0.34	mg/Kg	08/01/13	EK	SW6010
Cobalt	8.17	0.34	mg/Kg	08/01/13	EK	SW6010
Chromium	24.9	0.34	mg/Kg	08/01/13	EK	SW6010
Copper	107	0.34	mg/kg	08/01/13	EK	SW6010
Iron	39400	52	mg/Kg	08/01/13	EK	SW6010
Mercury	1.77	0.08	mg/Kg	08/01/13	RS	SW-7471
Potassium	1570	5.2	mg/Kg	08/01/13	EK	SW6010
Magnesium	4210	5.2	mg/Kg	08/01/13	LK	SW6010
Manganese	556	3.4	mg/Kg	08/01/13	EK	SW6010
Sodium	588	5.2	mg/Kg	08/01/13	EK	SW6010
Nickel	22.0	0.34	mg/Kg	08/01/13	EK	SW6010
Lead	341	3.4	mg/Kg	08/01/13	EK	SW6010
Antimony	< 3.4	3.4	mg/Kg	08/01/13	EK	SW6010
Selenium	< 1.4	1.4	mg/Kg	08/01/13	EK	SW6010
Thallium	< 0.5	0.5	mg/Kg	08/01/13	LK	SW6010
Vanadium	28.1	0.34	mg/Kg	08/01/13	EK	SW6010
Zinc	168	3.4	mg/Kg	08/01/13	EK	SW6010
Percent Solid	91		%	07/31/13	W	E160.3
Soil Extraction for PCB	Completed			07/31/13	JJ	SW3545
Soil Extraction for Pesticide	Completed			07/31/13	JJ/V	SW3545
Soil Extraction for SVOA	Completed			07/31/13	JJ/FV	SW3545
Mercury Digestion	Completed			08/01/13	H/H	SW7471

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			07/31/13	Z/AG/X	SW846 - 3050
Field Extraction	Completed			07/29/13		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	72	ug/Kg	08/01/13	AW	SW 8082
PCB-1221	ND	72	ug/Kg	08/01/13	AW	SW 8082
PCB-1232	ND	72	ug/Kg	08/01/13	AW	SW 8082
PCB-1242	ND	72	ug/Kg	08/01/13	AW	SW 8082
PCB-1248	ND	72	ug/Kg	08/01/13	AW	SW 8082
PCB-1254	ND	72	ug/Kg	08/01/13	AW	SW 8082
PCB-1260	ND	72	ug/Kg	08/01/13	AW	SW 8082
PCB-1262	ND	72	ug/Kg	08/01/13	AW	SW 8082
PCB-1268	ND	72	ug/Kg	08/01/13	AW	SW 8082

QA/QC Surrogates

% DCBP	77		%	08/01/13	AW	30 - 150 %
% TCMX	86		%	08/01/13	AW	30 - 150 %

Pesticides

4,4' -DDD	ND*	140	ug/Kg	08/05/13	MH	SW8081
4,4' -DDE	ND*	34	ug/Kg	08/05/13	MH	SW8081
4,4' -DDT	ND*	34	ug/Kg	08/05/13	MH	SW8081
a-BHC	ND*	17	ug/Kg	08/05/13	MH	SW8081
Alachlor	ND*	17	ug/Kg	08/05/13	MH	SW8081
Aldrin	ND*	5.4	ug/Kg	08/05/13	MH	SW8081
b-BHC	ND*	17	ug/Kg	08/05/13	MH	SW8081
Chlordane	ND*	54	ug/Kg	08/05/13	MH	SW8081
d-BHC	ND*	17	ug/Kg	08/05/13	MH	SW8081
Dieldrin	ND*	5.4	ug/Kg	08/05/13	MH	SW8081
Endosulfan I	ND*	17	ug/Kg	08/05/13	MH	SW8081
Endosulfan II	ND*	34	ug/Kg	08/05/13	MH	SW8081
Endosulfan sulfate	ND*	34	ug/Kg	08/05/13	MH	SW8081
Endrin	ND*	34	ug/Kg	08/05/13	MH	SW8081
Endrin aldehyde	ND*	34	ug/Kg	08/05/13	MH	SW8081
Endrin ketone	ND*	34	ug/Kg	08/05/13	MH	SW8081
g-BHC	ND*	5.4	ug/Kg	08/05/13	MH	SW8081
Heptachlor	ND*	11	ug/Kg	08/05/13	MH	SW8081
Heptachlor epoxide	ND*	17	ug/Kg	08/05/13	MH	SW8081
Methoxychlor	ND*	170	ug/Kg	08/05/13	MH	SW8081
Toxaphene	ND*	170	ug/Kg	08/05/13	MH	SW8081

QA/QC Surrogates

% DCBP	100		%	08/05/13	MH	30 - 150 %
% TCMX	98		%	08/05/13	MH	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
1,1,1-Trichloroethane	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.3	ug/Kg	08/01/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethane	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260

Client ID: DUPLICATE

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
1,2,3-Trichloropropane	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
1,2-Dibromoethane	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichloroethane	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichloropropane	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
1,3-Dichloropropane	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
2,2-Dichloropropane	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
2-Chlorotoluene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
2-Hexanone	ND	28	ug/Kg	08/01/13	R/J	SW8260
2-Isopropyltoluene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
4-Chlorotoluene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
4-Methyl-2-pentanone	ND	28	ug/Kg	08/01/13	R/J	SW8260
Acetone	73	33	ug/Kg	08/01/13	R/J	SW8260
Acrylonitrile	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Benzene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Bromobenzene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Bromochloromethane	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Bromodichloromethane	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Bromoform	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Bromomethane	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Carbon Disulfide	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Carbon tetrachloride	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Chlorobenzene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Chloroethane	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Chloroform	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Chloromethane	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Dibromochloromethane	ND	3.3	ug/Kg	08/01/13	R/J	SW8260
Dibromomethane	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Dichlorodifluoromethane	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Ethylbenzene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Hexachlorobutadiene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Isopropylbenzene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
m&p-Xylene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Methyl Ethyl Ketone	ND	33	ug/Kg	08/01/13	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	08/01/13	R/J	SW8260
Methylene chloride	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Naphthalene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
n-Butylbenzene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
n-Propylbenzene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
o-Xylene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260

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Client ID: DUPLICATE

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
p-Isopropyltoluene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
sec-Butylbenzene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Styrene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
tert-Butylbenzene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Tetrachloroethene	6.5	5.5	ug/Kg	08/01/13	R/J	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	08/01/13	R/J	SW8260
Toluene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Total Xylenes	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	08/01/13	R/J	SW8260
Trichloroethene	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Trichlorofluoromethane	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Trichlorotrifluoroethane	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
Vinyl chloride	ND	5.5	ug/Kg	08/01/13	R/J	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	98		%	08/01/13	R/J	70 - 130 %
% Bromofluorobenzene	88		%	08/01/13	R/J	70 - 130 %
% Dibromofluoromethane	100		%	08/01/13	R/J	70 - 130 %
% Toluene-d8	97		%	08/01/13	R/J	70 - 130 %
<u>Semivolatiles</u>						
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
1,2-Dichlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	ug/Kg	08/01/13	DD	SW 8270
1,3-Dichlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
1,4-Dichlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4-Dichlorophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4-Dimethylphenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,4-Dinitrophenol	ND	580	ug/Kg	08/01/13	DD	SW 8270
2,4-Dinitrotoluene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2,6-Dinitrotoluene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Chloronaphthalene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Chlorophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Methylnaphthalene	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	ug/Kg	08/01/13	DD	SW 8270
2-Nitroaniline	ND	580	ug/Kg	08/01/13	DD	SW 8270
2-Nitrophenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	08/01/13	DD	SW 8270
3,3'-Dichlorobenzidine	ND	250	ug/Kg	08/01/13	DD	SW 8270
3-Nitroaniline	ND	580	ug/Kg	08/01/13	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	08/01/13	DD	SW 8270
4-Bromophenyl phenyl ether	ND	360	ug/Kg	08/01/13	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
4-Chloroaniline	ND	250	ug/Kg	08/01/13	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	08/01/13	DD	SW 8270
4-Nitroaniline	ND	580	ug/Kg	08/01/13	DD	SW 8270

Client ID: DUPLICATE

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1000	ug/Kg	08/01/13	DD	SW 8270
Acenaphthene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Acetophenone	ND	250	ug/Kg	08/01/13	DD	SW 8270
Aniline	ND	1000	ug/Kg	08/01/13	DD	SW 8270
Anthracene	470	250	ug/Kg	08/01/13	DD	SW 8270
Benz(a)anthracene	790	250	ug/Kg	08/01/13	DD	SW 8270
Benzydine	ND	430	ug/Kg	08/01/13	DD	SW 8270
Benzo(a)pyrene	560	250	ug/Kg	08/01/13	DD	SW 8270
Benzo(b)fluoranthene	790	250	ug/Kg	08/01/13	DD	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Benzo(k)fluoranthene	290	250	ug/Kg	08/01/13	DD	SW 8270
Benzoic acid	ND	1000	ug/Kg	08/01/13	DD	SW 8270
Benzyl butyl phthalate	1000	250	ug/Kg	08/01/13	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	08/01/13	DD	SW 8270
Bis(2-chloroethyl)ether	ND	360	ug/Kg	08/01/13	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	08/01/13	DD	SW 8270
Bis(2-ethylhexyl)phthalate	260	250	ug/Kg	08/01/13	DD	SW 8270
Carbazole	ND	540	ug/Kg	08/01/13	DD	SW 8270
Chrysene	770	250	ug/Kg	08/01/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Dibenzofuran	330	250	ug/Kg	08/01/13	DD	SW 8270
Diethyl phthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Dimethylphthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Di-n-butylphthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Di-n-octylphthalate	ND	250	ug/Kg	08/01/13	DD	SW 8270
Fluoranthene	1800	250	ug/Kg	08/01/13	DD	SW 8270
Fluorene	300	250	ug/Kg	08/01/13	DD	SW 8270
Hexachlorobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Hexachlorobutadiene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Hexachloroethane	ND	250	ug/Kg	08/01/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Isophorone	ND	250	ug/Kg	08/01/13	DD	SW 8270
Naphthalene	ND	250	ug/Kg	08/01/13	DD	SW 8270
Nitrobenzene	ND	250	ug/Kg	08/01/13	DD	SW 8270
N-Nitrosodimethylamine	ND	360	ug/Kg	08/01/13	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	08/01/13	DD	SW 8270
N-Nitrosodiphenylamine	ND	360	ug/Kg	08/01/13	DD	SW 8270
Pentachloronitrobenzene	ND	360	ug/Kg	08/01/13	DD	SW 8270
Pentachlorophenol	ND	360	ug/Kg	08/01/13	DD	SW 8270
Phenanthrene	2100	250	ug/Kg	08/01/13	DD	SW 8270
Phenol	ND	250	ug/Kg	08/01/13	DD	SW 8270
Pyrene	1500	250	ug/Kg	08/01/13	DD	SW 8270
Pyridine	ND	360	ug/Kg	08/01/13	DD	SW 8270
QA/QC Surrogates						
% 2,4,6-Tribromophenol	59		%	08/01/13	DD	30 - 130 %
% 2-Fluorobiphenyl	85		%	08/01/13	DD	30 - 130 %
% 2-Fluorophenol	68		%	08/01/13	DD	30 - 130 %
% Nitrobenzene-d5	73		%	08/01/13	DD	30 - 130 %

Client ID: DUPLICATE

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Phenol-d5	78		%	08/01/13	DD	30 - 130 %
% Terphenyl-d14	104		%	08/01/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

10 = This parameter is not certified by NY NELAC for this matrix.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

Comments:

DUPLICATE INCLUDED

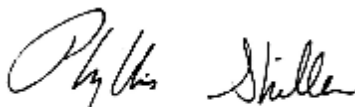
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

* For Pesticides, due to matrix interference from non target compounds in the sample an elevated RL was reported.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 07, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 07, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G
Environmental Business Consulta
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
07/29/13 0:00
07/31/13 15:15

Laboratory Data

SDG ID: GBF14186
Phoenix ID: BF14193

Project ID: 555 GRAND ST., BROOKLYN
Client ID: HIGH TRIP BLANK

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	07/29/13		E160.3
Field Extraction	Completed			07/29/13		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	250	ug/Kg	08/01/13	R/J	SW8260
1,1,1-Trichloroethane	ND	250	ug/Kg	08/01/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	08/01/13	R/J	SW8260
1,1,2-Trichloroethane	ND	250	ug/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethane	ND	250	ug/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethene	ND	250	ug/Kg	08/01/13	R/J	SW8260
1,1-Dichloropropene	ND	250	ug/Kg	08/01/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	250	ug/Kg	08/01/13	R/J	SW8260
1,2,3-Trichloropropane	ND	250	ug/Kg	08/01/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	250	ug/Kg	08/01/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	250	ug/Kg	08/01/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	250	ug/Kg	08/01/13	R/J	SW8260
1,2-Dibromoethane	ND	250	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichlorobenzene	ND	250	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichloroethane	ND	250	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichloropropane	ND	250	ug/Kg	08/01/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	250	ug/Kg	08/01/13	R/J	SW8260
1,3-Dichlorobenzene	ND	250	ug/Kg	08/01/13	R/J	SW8260
1,3-Dichloropropane	ND	250	ug/Kg	08/01/13	R/J	SW8260
1,4-Dichlorobenzene	ND	250	ug/Kg	08/01/13	R/J	SW8260
2,2-Dichloropropane	ND	250	ug/Kg	08/01/13	R/J	SW8260
2-Chlorotoluene	ND	250	ug/Kg	08/01/13	R/J	SW8260
2-Hexanone	ND	1300	ug/Kg	08/01/13	R/J	SW8260
2-Isopropyltoluene	ND	250	ug/Kg	08/01/13	R/J	SW8260
4-Chlorotoluene	ND	250	ug/Kg	08/01/13	R/J	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	1300	ug/Kg	08/01/13	R/J	SW8260
Acetone	ND	5000	ug/Kg	08/01/13	R/J	SW8260
Acrylonitrile	ND	500	ug/Kg	08/01/13	R/J	SW8260
Benzene	ND	250	ug/Kg	08/01/13	R/J	SW8260
Bromobenzene	ND	250	ug/Kg	08/01/13	R/J	SW8260
Bromochloromethane	ND	250	ug/Kg	08/01/13	R/J	SW8260
Bromodichloromethane	ND	250	ug/Kg	08/01/13	R/J	SW8260
Bromoform	ND	250	ug/Kg	08/01/13	R/J	SW8260
Bromomethane	ND	250	ug/Kg	08/01/13	R/J	SW8260
Carbon Disulfide	ND	250	ug/Kg	08/01/13	R/J	SW8260
Carbon tetrachloride	ND	250	ug/Kg	08/01/13	R/J	SW8260
Chlorobenzene	ND	250	ug/Kg	08/01/13	R/J	SW8260
Chloroethane	ND	250	ug/Kg	08/01/13	R/J	SW8260
Chloroform	ND	250	ug/Kg	08/01/13	R/J	SW8260
Chloromethane	ND	250	ug/Kg	08/01/13	R/J	SW8260
cis-1,2-Dichloroethene	ND	250	ug/Kg	08/01/13	R/J	SW8260
cis-1,3-Dichloropropene	ND	250	ug/Kg	08/01/13	R/J	SW8260
Dibromochloromethane	ND	250	ug/Kg	08/01/13	R/J	SW8260
Dibromomethane	ND	250	ug/Kg	08/01/13	R/J	SW8260
Dichlorodifluoromethane	ND	250	ug/Kg	08/01/13	R/J	SW8260
Ethylbenzene	ND	250	ug/Kg	08/01/13	R/J	SW8260
Hexachlorobutadiene	ND	250	ug/Kg	08/01/13	R/J	SW8260
Isopropylbenzene	ND	250	ug/Kg	08/01/13	R/J	SW8260
m&p-Xylene	ND	250	ug/Kg	08/01/13	R/J	SW8260
Methyl Ethyl Ketone	ND	3000	ug/Kg	08/01/13	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	250	ug/Kg	08/01/13	R/J	SW8260
Methylene chloride	ND	500	ug/Kg	08/01/13	R/J	SW8260
Naphthalene	ND	250	ug/Kg	08/01/13	R/J	SW8260
n-Butylbenzene	ND	250	ug/Kg	08/01/13	R/J	SW8260
n-Propylbenzene	ND	250	ug/Kg	08/01/13	R/J	SW8260
o-Xylene	ND	250	ug/Kg	08/01/13	R/J	SW8260
p-Isopropyltoluene	ND	250	ug/Kg	08/01/13	R/J	SW8260
sec-Butylbenzene	ND	250	ug/Kg	08/01/13	R/J	SW8260
Styrene	ND	250	ug/Kg	08/01/13	R/J	SW8260
tert-Butylbenzene	ND	250	ug/Kg	08/01/13	R/J	SW8260
Tetrachloroethene	ND	250	ug/Kg	08/01/13	R/J	SW8260
Tetrahydrofuran (THF)	ND	500	ug/Kg	08/01/13	R/J	SW8260
Toluene	ND	250	ug/Kg	08/01/13	R/J	SW8260
Total Xylenes	ND	250	ug/Kg	08/01/13	R/J	SW8260
trans-1,2-Dichloroethene	ND	250	ug/Kg	08/01/13	R/J	SW8260
trans-1,3-Dichloropropene	ND	250	ug/Kg	08/01/13	R/J	SW8260
trans-1,4-dichloro-2-butene	ND	500	ug/Kg	08/01/13	R/J	SW8260
Trichloroethene	ND	250	ug/Kg	08/01/13	R/J	SW8260
Trichlorofluoromethane	ND	250	ug/Kg	08/01/13	R/J	SW8260
Trichlorotrifluoroethane	ND	250	ug/Kg	08/01/13	R/J	SW8260
Vinyl chloride	ND	250	ug/Kg	08/01/13	R/J	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	101		%	08/01/13	R/J	70 - 130 %
% Bromofluorobenzene	94		%	08/01/13	R/J	70 - 130 %
% Dibromofluoromethane	92		%	08/01/13	R/J	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Toluene-d8	101		%	08/01/13	R/J	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

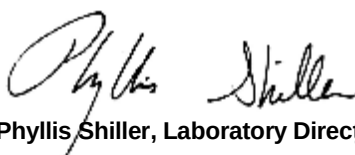
Comments:

TRIP BLANK INCLUDED 100% SOLID ASSUMED

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 07, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 07, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G
Environmental Business Consulta
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
07/29/13 0:00
07/31/13 15:15

Laboratory Data

SDG ID: GBF14186
Phoenix ID: BF14194

Project ID: 555 GRAND ST., BROOKLYN
Client ID: LOW TRIP BLANK

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	08/01/13	R/J	E160.3
Field Extraction	Completed			07/29/13		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
1,1,1-Trichloroethane	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	08/01/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethane	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
1,1-Dichloroethene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
1,1-Dichloropropene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
1,2,3-Trichloropropane	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
1,2-Dibromoethane	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichloroethane	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
1,2-Dichloropropane	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
1,3-Dichloropropane	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
2,2-Dichloropropane	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
2-Chlorotoluene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
2-Hexanone	ND	25	ug/Kg	08/01/13	R/J	SW8260
2-Isopropyltoluene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
4-Chlorotoluene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260

Client ID: LOW TRIP BLANK

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	25	ug/Kg	08/01/13	R/J	SW8260
Acetone	ND	30	ug/Kg	08/01/13	R/J	SW8260
Acrylonitrile	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Benzene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Bromobenzene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Bromochloromethane	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Bromodichloromethane	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Bromoform	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Bromomethane	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Carbon Disulfide	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Carbon tetrachloride	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Chlorobenzene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Chloroethane	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Chloroform	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Chloromethane	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Dibromochloromethane	ND	3.0	ug/Kg	08/01/13	R/J	SW8260
Dibromomethane	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Dichlorodifluoromethane	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Ethylbenzene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Hexachlorobutadiene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Isopropylbenzene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
m&p-Xylene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Methyl Ethyl Ketone	ND	30	ug/Kg	08/01/13	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	08/01/13	R/J	SW8260
Methylene chloride	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Naphthalene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
n-Butylbenzene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
n-Propylbenzene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
o-Xylene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
p-Isopropyltoluene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
sec-Butylbenzene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Styrene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
tert-Butylbenzene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Tetrachloroethene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	08/01/13	R/J	SW8260
Toluene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Total Xylenes	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	08/01/13	R/J	SW8260
Trichloroethene	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Trichlorofluoromethane	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Trichlorotrifluoroethane	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
Vinyl chloride	ND	5.0	ug/Kg	08/01/13	R/J	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	103		%	08/01/13	R/J	70 - 130 %
% Bromofluorobenzene	93		%	08/01/13	R/J	70 - 130 %
% Dibromofluoromethane	99		%	08/01/13	R/J	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Toluene-d8	99		%	08/01/13	R/J	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

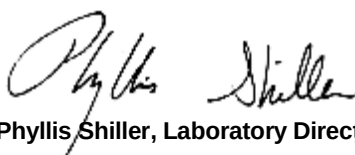
Comments:

TRIP BLANK INCLUDED 100% SOLID ASSUMED

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 07, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

August 07, 2013

QA/QC Data

SDG I.D.: GBF14186

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

QA/QC Batch 243453, QC Sample No: BF14188 (BF14186, BF14187, BF14188, BF14189, BF14190, BF14191, BF14192)

Mercury - Soil	BRL	0.87	0.70	21.7	93.3	95.0	1.8	NC	NC	NC	70 - 130	30

Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

QA/QC Batch 243380, QC Sample No: BF14371 (BF14186, BF14187, BF14188, BF14189)

ICP Metals - Soil

Aluminum	BRL	3190	2870	10.6	90.9	93.9	3.2	NC	NC	NC	75 - 125	30	
Antimony	BRL	<3.3	<3.8	NC	88.0	75.6	15.2	92.2	89.8	2.6	75 - 125	30	
Arsenic	BRL	<0.7	<0.75	NC	92.6	95.2	2.8	89.4	86.7	3.1	75 - 125	30	
Barium	BRL	13.2	12.9	2.30	102	103	1.0	102	101	1.0	75 - 125	30	
Beryllium	BRL	<0.26	<0.30	NC	99.8	102	2.2	94.4	92.0	2.6	75 - 125	30	
Cadmium	BRL	<0.33	<0.38	NC	95.0	96.3	1.4	94.4	92.6	1.9	75 - 125	30	
Calcium	BRL	416	375	10.4	96.9	102	5.1	>130	>130	NC	75 - 125	30	m
Chromium	BRL	4.74	4.93	3.90	101	104	2.9	95.9	94.5	1.5	75 - 125	30	
Cobalt	BRL	2.56	3.08	18.4	99.3	100	0.7	95.6	94.1	1.6	75 - 125	30	
Copper	0.49	5.11	5.23	2.30	105	107	1.9	101	99.5	1.5	75 - 125	30	
Iron	BRL	6310	6230	1.30	92.8	102	9.4	NC	NC	NC	75 - 125	30	
Lead	BRL	3.16	2.86	10.0	98.5	108	9.2	93.1	90.3	3.1	75 - 125	30	
Magnesium	BRL	1650	1120	38.3	112	101	10.3	NC	NC	NC	75 - 125	30	r
Manganese	BRL	145	126	14.0	101	107	5.8	102	108	5.7	75 - 125	30	
Nickel	BRL	4.96	4.89	1.40	99.8	101	1.2	95.0	94.3	0.7	75 - 125	30	
Potassium	BRL	576	501	13.9	94.9	93.6	1.4	>130	>130	NC	75 - 125	30	m
Selenium	BRL	<1.3	<1.5	NC	83.8	86.4	3.1	77.5	75.1	3.1	75 - 125	30	
Silver	BRL	<0.33	<0.38	NC	97.9	100	2.1	95.4	93.4	2.1	75 - 125	30	
Sodium	BRL	63.7	64.0	0.50	108	107	0.9	>130	>130	NC	75 - 125	30	m
Thallium	BRL	<3.0	<3.4	NC	99.5	102	2.5	94.8	93.3	1.6	75 - 125	30	
Vanadium	BRL	8.46	8.93	5.40	105	111	5.6	97.4	95.6	1.9	75 - 125	30	
Zinc	1.05	11.7	11.6	0.90	98.5	101	2.5	95.9	95.2	0.7	75 - 125	30	

QA/QC Batch 243398, QC Sample No: BF14509 (BF14190, BF14191, BF14192)

ICP Metals - Soil

Aluminum	BRL	12400	12500	0.80	98.6	103	4.4	NC	NC	NC	75 - 125	30	
Antimony	BRL	<3.9	<3.5	NC	79.4	84.2	5.9	88.0	89.6	1.8	75 - 125	30	
Arsenic	BRL	4.3	3.93	9.00	94.7	99.3	4.7	94.1	97.8	3.9	75 - 125	30	
Barium	BRL	81.2	72.4	11.5	103	110	6.6	108	110	1.8	75 - 125	30	
Beryllium	BRL	0.41	0.36	NC	103	108	4.7	100	104	3.9	75 - 125	30	
Cadmium	BRL	0.68	0.71	NC	95.2	101	5.9	98.0	101	3.0	75 - 125	30	
Calcium	BRL	2140	2070	3.30	93.9	100	6.3	NC	NC	NC	75 - 125	30	
Chromium	BRL	24.7	28.0	12.5	104	107	2.8	103	109	5.7	75 - 125	30	
Cobalt	BRL	7.06	7.32	3.60	101	105	3.9	100	104	3.9	75 - 125	30	
Copper	BRL	25.4	23.0	9.90	104	110	5.6	109	112	2.7	75 - 125	30	
Iron	BRL	18900	19200	1.60	96.3	102	5.7	NC	NC	NC	75 - 125	30	
Lead	BRL	39.9	40.1	0.50	104	106	1.9	95.5	99.8	4.4	75 - 125	30	

QA/QC Data

SDG I.D.: GBF14186

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Magnesium	BRL	4660	5070	8.40	94.5	105	10.5	NC	NC	NC	75 - 125	30
Manganese	BRL	333	327	1.80	106	112	5.5	116	96.7	18.1	75 - 125	30
Nickel	BRL	18.2	19.2	5.30	100	106	5.8	101	105	3.9	75 - 125	30
Potassium	BRL	2130	2150	0.90	102	107	4.8	>130	>130	NC	75 - 125	30
Selenium	BRL	<1.6	<1.4	NC	85.4	89.6	4.8	87.0	90.0	3.4	75 - 125	30
Silver	BRL	<0.39	<0.35	NC	101	106	4.8	100	104	3.9	75 - 125	30
Sodium	BRL	119	147	21.1	114	120	5.1	>130	>130	NC	75 - 125	30
Thallium	BRL	<3.5	<3.2	NC	99.4	103	3.6	98.3	101	2.7	75 - 125	30
Vanadium	BRL	32.3	34.9	7.70	109	116	6.2	106	107	0.9	75 - 125	30
Zinc	BRL	90.5	99.2	9.20	102	106	3.8	99.7	105	5.2	75 - 125	30

m = This parameter is outside laboratory ms/msd specified recovery limits.

r = This parameter is outside laboratory rpd specified recovery limits.



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QA/QC Report

August 07, 2013

QA/QC Data

SDG I.D.: GBF14186

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 243529, QC Sample No: BF13044 (BF14188, BF14189, BF14190, BF14191, BF14192, BF14193 (50X) , BF14194)									
Volatiles - Soil									
1,1,1,2-Tetrachloroethane	ND	105	103	1.9	99	108	8.7	70 - 130	30
1,1,1-Trichloroethane	ND	90	89	1.1	102	104	1.9	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	93	91	2.2	90	95	5.4	70 - 130	30
1,1,2-Trichloroethane	ND	106	106	0.0	94	100	6.2	70 - 130	30
1,1-Dichloroethane	ND	100	91	9.4	104	108	3.8	70 - 130	30
1,1-Dichloroethene	ND	100	96	4.1	112	113	0.9	70 - 130	30
1,1-Dichloropropene	ND	98	98	0.0	111	112	0.9	70 - 130	30
1,2,3-Trichlorobenzene	ND	100	99	1.0	58	64	9.8	70 - 130	30 m
1,2,3-Trichloropropane	ND	91	88	3.4	88	96	8.7	70 - 130	30
1,2,4-Trichlorobenzene	ND	103	100	3.0	63	69	9.1	70 - 130	30 m
1,2,4-Trimethylbenzene	ND	100	98	2.0	93	104	11.2	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	105	103	1.9	89	96	7.6	70 - 130	30
1,2-Dibromoethane	ND	100	99	1.0	94	99	5.2	70 - 130	30
1,2-Dichlorobenzene	ND	101	100	1.0	81	90	10.5	70 - 130	30
1,2-Dichloroethane	ND	89	89	0.0	94	95	1.1	70 - 130	30
1,2-Dichloropropane	ND	94	93	1.1	90	94	4.3	70 - 130	30
1,3,5-Trimethylbenzene	ND	98	96	2.1	98	107	8.8	70 - 130	30
1,3-Dichlorobenzene	ND	102	102	0.0	82	92	11.5	70 - 130	30
1,3-Dichloropropane	ND	95	95	0.0	87	94	7.7	70 - 130	30
1,4-Dichlorobenzene	ND	102	100	2.0	79	89	11.9	70 - 130	30
2,2-Dichloropropane	ND	87	87	0.0	96	97	1.0	70 - 130	30
2-Chlorotoluene	ND	104	102	1.9	95	105	10.0	70 - 130	30
2-Hexanone	ND	85	83	2.4	72	75	4.1	70 - 130	30
2-Isopropyltoluene	ND	101	99	2.0	99	108	8.7	70 - 130	30
4-Chlorotoluene	ND	101	99	2.0	90	99	9.5	70 - 130	30
4-Methyl-2-pentanone	ND	89	90	1.1	89	90	1.1	70 - 130	30
Acetone	ND	75	85	12.5	60	<40	NC	70 - 130	30 m
Acrylonitrile	ND	97	82	16.8	70	76	8.2	70 - 130	30
Benzene	ND	100	99	1.0	103	107	3.8	70 - 130	30
Bromobenzene	ND	103	101	2.0	90	98	8.5	70 - 130	30
Bromochloromethane	ND	96	97	1.0	96	97	1.0	70 - 130	30
Bromodichloromethane	ND	96	95	1.0	95	101	6.1	70 - 130	30
Bromoform	ND	106	103	2.9	96	100	4.1	70 - 130	30
Bromomethane	ND	98	99	1.0	92	108	16.0	70 - 130	30
Carbon Disulfide	ND	97	95	2.1	113	118	4.3	70 - 130	30
Carbon tetrachloride	ND	99	96	3.1	117	118	0.9	70 - 130	30
Chlorobenzene	ND	105	105	0.0	94	102	8.2	70 - 130	30
Chloroethane	ND	104	98	5.9	111	116	4.4	70 - 130	30
Chloroform	ND	88	86	2.3	92	96	4.3	70 - 130	30
Chloromethane	ND	104	98	5.9	105	105	0.0	70 - 130	30
cis-1,2-Dichloroethene	ND	97	100	3.0	93	99	6.3	70 - 130	30

QA/QC Data

SDG I.D.: GBF14186

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,3-Dichloropropene	ND	96	97	1.0	89	94	5.5	70 - 130	30
Dibromochloromethane	ND	100	101	1.0	92	100	8.3	70 - 130	30
Dibromomethane	ND	94	97	3.1	92	97	5.3	70 - 130	30
Dichlorodifluoromethane	ND	115	113	1.8	127	127	0.0	70 - 130	30
Ethylbenzene	ND	102	102	0.0	101	110	8.5	70 - 130	30
Hexachlorobutadiene	ND	101	101	0.0	102	89	13.6	70 - 130	30
Isopropylbenzene	ND	105	104	1.0	106	116	9.0	70 - 130	30
m&p-Xylene	ND	105	104	1.0	100	108	7.7	70 - 130	30
Methyl ethyl ketone	ND	81	72	11.8	75	74	1.3	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	98	99	1.0	103	105	1.9	70 - 130	30
Methylene chloride	ND	83	83	0.0	127	138	8.3	70 - 130	30
Naphthalene	ND	100	98	2.0	64	69	7.5	70 - 130	30
n-Butylbenzene	ND	98	99	1.0	95	98	3.1	70 - 130	30
n-Propylbenzene	ND	102	101	1.0	102	110	7.5	70 - 130	30
o-Xylene	ND	106	106	0.0	101	109	7.6	70 - 130	30
p-Isopropyltoluene	ND	100	99	1.0	99	106	6.8	70 - 130	30
sec-Butylbenzene	ND	99	98	1.0	104	109	4.7	70 - 130	30
Styrene	ND	102	102	0.0	91	97	6.4	70 - 130	30
tert-Butylbenzene	ND	103	101	2.0	104	113	8.3	70 - 130	30
Tetrachloroethene	ND	108	107	0.9	112	118	5.2	70 - 130	30
Tetrahydrofuran (THF)	ND	81	78	3.8	81	78	3.8	70 - 130	30
Toluene	ND	100	102	2.0	103	110	6.6	70 - 130	30
trans-1,2-Dichloroethene	ND	100	101	1.0	105	105	0.0	70 - 130	30
trans-1,3-Dichloropropene	ND	93	94	1.1	87	92	5.6	70 - 130	30
trans-1,4-dichloro-2-butene	ND	96	91	5.3	77	84	8.7	70 - 130	30
Trichloroethene	ND	107	107	0.0	108	111	2.7	70 - 130	30
Trichlorofluoromethane	ND	100	97	3.0	117	117	0.0	70 - 130	30
Trichlorotrifluoroethane	ND	100	101	1.0	127	127	0.0	70 - 130	30
Vinyl chloride	ND	110	109	0.9	108	116	7.1	70 - 130	30
% 1,2-dichlorobenzene-d4	98	101	97	4.0	100	98	2.0	70 - 130	30
% Bromofluorobenzene	95	96	95	1.0	93	93	0.0	70 - 130	30
% Dibromofluoromethane	94	100	97	3.0	99	103	4.0	70 - 130	30
% Toluene-d8	99	97	98	1.0	98	96	2.1	70 - 130	30

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 243157, QC Sample No: BF13654 (BF14186, BF14187, BF14188, BF14189, BF14191, BF14192)

Pesticides - Soil

4,4' -DDD	ND	92	79	15.2	89	90	1.1	40 - 140	30
4,4' -DDE	ND	99	94	5.2	99	99	0.0	40 - 140	30
4,4' -DDT	ND	90	81	10.5	93	94	1.1	40 - 140	30
a-BHC	ND	93	88	5.5	92	95	3.2	40 - 140	30
a-Chlordane	ND	93	92	1.1	94	96	2.1	40 - 140	30
Alachlor	ND	NA	NA	NC	NA	NA	NC	40 - 140	30
Aldrin	ND	93	88	5.5	90	94	4.3	40 - 140	30
b-BHC	ND	96	92	4.3	95	100	5.1	40 - 140	30
Chlordane	ND	NA	NA	NC	NA	NA	NC	40 - 140	30
d-BHC	ND	88	84	4.7	87	91	4.5	40 - 140	30
Dieldrin	ND	100	95	5.1	96	98	2.1	40 - 140	30
Endosulfan I	ND	103	94	9.1	99	100	1.0	40 - 140	30
Endosulfan II	ND	88	79	10.8	93	90	3.3	40 - 140	30
Endosulfan sulfate	ND	93	82	12.6	97	97	0.0	40 - 140	30
Endrin	ND	86	87	1.2	96	97	1.0	40 - 140	30

QA/QC Data

SDG I.D.: GBF14186

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Endrin aldehyde	ND	95	79	18.4	94	96	2.1	40 - 140	30
Endrin ketone	ND	105	95	10.0	103	105	1.9	40 - 140	30
g-BHC	ND	91	87	4.5	91	95	4.3	40 - 140	30
g-Chlordane	ND	96	92	4.3	102	102	0.0	40 - 140	30
Heptachlor	ND	94	89	5.5	91	94	3.2	40 - 140	30
Heptachlor epoxide	ND	94	90	4.3	91	94	3.2	40 - 140	30
Methoxychlor	ND	82	77	6.3	96	106	9.9	40 - 140	30
Toxaphene	ND	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	91	94	86	8.9	93	93	0.0	30 - 150	30
% TCMX	93	99	92	7.3	93	97	4.2	30 - 150	30

QA/QC Batch 243156, QC Sample No: BF13654 (BF14186, BF14187, BF14188, BF14189, BF14190, BF14191, BF14192)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	90	94	4.3	99	100	1.0	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	93	96	3.2	100	101	1.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	61	93	96	3.2	104	108	3.8	30 - 150	30
% TCMX (Surrogate Rec)	76	100	100	0.0	100	102	2.0	30 - 150	30

QA/QC Batch 243768, QC Sample No: BF13917 (BF14186 (67, 1X))

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	98	97	1.0	100	99	1.0	70 - 130	30
1,1,1-Trichloroethane	ND	87	88	1.1	96	96	0.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	95	93	2.1	108	111	2.7	70 - 130	30
1,1,2-Trichloroethane	ND	95	93	2.1	91	91	0.0	70 - 130	30
1,1-Dichloroethane	ND	86	88	2.3	104	104	0.0	70 - 130	30
1,1-Dichloroethene	ND	84	85	1.2	66	64	3.1	70 - 130	30 m
1,1-Dichloropropene	ND	86	85	1.2	99	97	2.0	70 - 130	30
1,2,3-Trichlorobenzene	ND	91	87	4.5	106	109	2.8	70 - 130	30
1,2,3-Trichloropropane	ND	104	103	1.0	94	107	12.9	70 - 130	30
1,2,4-Trichlorobenzene	ND	82	78	5.0	110	111	0.9	70 - 130	30
1,2,4-Trimethylbenzene	ND	97	95	2.1	111	113	1.8	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	101	103	2.0	91	99	8.4	70 - 130	30
1,2-Dibromoethane	ND	92	92	0.0	90	93	3.3	70 - 130	30
1,2-Dichlorobenzene	ND	98	95	3.1	108	110	1.8	70 - 130	30
1,2-Dichloroethane	ND	89	88	1.1	91	90	1.1	70 - 130	30
1,2-Dichloropropane	ND	94	93	1.1	97	98	1.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	97	95	2.1	112	114	1.8	70 - 130	30
1,3-Dichlorobenzene	ND	93	91	2.2	109	110	0.9	70 - 130	30
1,3-Dichloropropane	ND	100	97	3.0	99	97	2.0	70 - 130	30
1,4-Dichlorobenzene	ND	93	89	4.4	109	110	0.9	70 - 130	30
2,2-Dichloropropane	ND	85	86	1.2	102	100	2.0	70 - 130	30
2-Chlorotoluene	ND	102	98	4.0	114	115	0.9	70 - 130	30
2-Hexanone	ND	94	93	1.1	82	85	3.6	70 - 130	30
2-Isopropyltoluene	ND	100	98	2.0	112	113	0.9	70 - 130	30
4-Chlorotoluene	ND	93	91	2.2	112	112	0.0	70 - 130	30
4-Methyl-2-pentanone	ND	95	95	0.0	88	91	3.4	70 - 130	30
Acetone	ND	68	71	4.3	61	59	3.3	70 - 130	30 l,m

QA/QC Data

SDG I.D.: GBF14186

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Acrylonitrile	ND	86	90	4.5	94	99	5.2	70 - 130	30
Benzene	ND	89	89	0.0	99	98	1.0	70 - 130	30
Bromobenzene	ND	99	98	1.0	108	109	0.9	70 - 130	30
Bromochloromethane	ND	96	97	1.0	96	96	0.0	70 - 130	30
Bromodichloromethane	ND	91	91	0.0	91	92	1.1	70 - 130	30
Bromoform	ND	102	106	3.8	89	90	1.1	70 - 130	30
Bromomethane	ND	80	83	3.7	55	53	3.7	70 - 130	30 m
Carbon Disulfide	ND	79	80	1.3	70	70	0.0	70 - 130	30
Carbon tetrachloride	ND	87	87	0.0	93	93	0.0	70 - 130	30
Chlorobenzene	ND	95	95	0.0	105	104	1.0	70 - 130	30
Chloroethane	ND	85	88	3.5	<40	<40	NC	70 - 130	30 m
Chloroform	ND	87	89	2.3	93	92	1.1	70 - 130	30
Chloromethane	ND	93	94	1.1	98	97	1.0	70 - 130	30
cis-1,2-Dichloroethene	ND	99	101	2.0	105	102	2.9	70 - 130	30
cis-1,3-Dichloropropene	ND	89	88	1.1	97	97	0.0	70 - 130	30
Dibromochloromethane	ND	101	100	1.0	94	96	2.1	70 - 130	30
Dibromomethane	ND	93	93	0.0	92	93	1.1	70 - 130	30
Dichlorodifluoromethane	ND	91	92	1.1	86	84	2.4	70 - 130	30
Ethylbenzene	ND	92	92	0.0	108	105	2.8	70 - 130	30
Hexachlorobutadiene	ND	92	90	2.2	114	112	1.8	70 - 130	30
Isopropylbenzene	ND	104	101	2.9	115	117	1.7	70 - 130	30
m&p-Xylene	ND	92	91	1.1	106	105	0.9	70 - 130	30
Methyl ethyl ketone	ND	82	86	4.8	84	83	1.2	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	87	85	2.3	84	87	3.5	70 - 130	30
Methylene chloride	ND	88	89	1.1	79	76	3.9	70 - 130	30
Naphthalene	ND	99	98	1.0	101	107	5.8	70 - 130	30
n-Butylbenzene	ND	97	93	4.2	119	119	0.0	70 - 130	30
n-Propylbenzene	ND	99	97	2.0	116	116	0.0	70 - 130	30
o-Xylene	ND	100	99	1.0	106	104	1.9	70 - 130	30
p-Isopropyltoluene	ND	96	94	2.1	114	115	0.9	70 - 130	30
sec-Butylbenzene	ND	99	96	3.1	115	116	0.9	70 - 130	30
Styrene	ND	96	97	1.0	106	105	0.9	70 - 130	30
tert-Butylbenzene	ND	102	101	1.0	111	113	1.8	70 - 130	30
Tetrachloroethene	ND	91	91	0.0	106	105	0.9	70 - 130	30
Tetrahydrofuran (THF)	ND	92	94	2.2	85	89	4.6	70 - 130	30
Toluene	ND	89	89	0.0	100	99	1.0	70 - 130	30
trans-1,2-Dichloroethene	ND	84	86	2.4	87	88	1.1	70 - 130	30
trans-1,3-Dichloropropene	ND	87	85	2.3	93	94	1.1	70 - 130	30
trans-1,4-dichloro-2-butene	ND	98	95	3.1	100	107	6.8	70 - 130	30
Trichloroethene	ND	98	95	3.1	96	95	1.0	70 - 130	30
Trichlorofluoromethane	ND	83	85	2.4	41	<40	NC	70 - 130	30 m
Trichlorotrifluoroethane	ND	83	84	1.2	69	67	2.9	70 - 130	30 m
Vinyl chloride	ND	93	97	4.2	95	95	0.0	70 - 130	30
% 1,2-dichlorobenzene-d4	97	99	99	0.0	98	98	0.0	70 - 130	30
% Bromofluorobenzene	94	96	96	0.0	95	91	4.3	70 - 130	30
% Dibromofluoromethane	92	95	96	1.0	96	96	0.0	70 - 130	30
% Toluene-d8	94	98	97	1.0	98	100	2.0	70 - 130	30

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 243363, QC Sample No: BF13985 (BF14186, BF14187, BF14188, BF14189, BF14190, BF14191, BF14192)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	90	91	1.1	98	92	6.3	30 - 130	30

QA/QC Data

SDG I.D.: GBF14186

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2,4-Trichlorobenzene	ND	91	87	4.5	94	83	12.4	30 - 130	30	
1,2-Dichlorobenzene	ND	86	79	8.5	77	100	26.0	30 - 130	30	
1,2-Diphenylhydrazine	ND	86	79	8.5	83	88	5.8	30 - 130	30	
1,3-Dichlorobenzene	ND	87	85	2.3	90	97	7.5	30 - 130	30	
1,4-Dichlorobenzene	ND	86	82	4.8	87	94	7.7	30 - 130	30	
2,4,5-Trichlorophenol	ND	101	96	5.1	104	108	3.8	30 - 130	30	
2,4,6-Trichlorophenol	ND	106	100	5.8	109	108	0.9	30 - 130	30	
2,4-Dichlorophenol	ND	101	95	6.1	106	89	17.4	30 - 130	30	
2,4-Dimethylphenol	ND	66	66	0.0	72	63	13.3	30 - 130	30	
2,4-Dinitrophenol	ND	14	16	13.3	26	13	66.7	30 - 130	30	I,m,r
2,4-Dinitrotoluene	ND	93	88	5.5	93	97	4.2	30 - 130	30	
2,6-Dinitrotoluene	ND	91	86	5.6	95	95	0.0	30 - 130	30	
2-Chloronaphthalene	ND	85	83	2.4	90	92	2.2	30 - 130	30	
2-Chlorophenol	ND	91	89	2.2	93	103	10.2	30 - 130	30	
2-Methylnaphthalene	ND	92	87	5.6	96	89	7.6	30 - 130	30	
2-Methylphenol (o-cresol)	ND	87	92	5.6	82	107	26.5	30 - 130	30	
2-Nitroaniline	ND	>150	145	NC	123	142	14.3	30 - 130	30	I,m
2-Nitrophenol	ND	83	91	9.2	96	107	10.8	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	91	93	2.2	87	110	23.4	30 - 130	30	
3,3'-Dichlorobenzidine	ND	149	126	16.7	148	143	3.4	30 - 130	30	I,m
3-Nitroaniline	ND	119	105	12.5	109	110	0.9	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	58	61	5.0	77	79	2.6	30 - 130	30	
4-Bromophenyl phenyl ether	ND	71	76	6.8	88	84	4.7	30 - 130	30	
4-Chloro-3-methylphenol	ND	103	95	8.1	107	97	9.8	30 - 130	30	
4-Chloroaniline	ND	83	74	11.5	69	75	8.3	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	92	87	5.6	86	96	11.0	30 - 130	30	
4-Nitroaniline	ND	89	84	5.8	90	92	2.2	30 - 130	30	
4-Nitrophenol	ND	92	83	10.3	96	97	1.0	30 - 130	30	
Acenaphthene	ND	94	88	6.6	100	98	2.0	30 - 130	30	
Acenaphthylene	ND	89	85	4.6	93	94	1.1	30 - 130	30	
Acetophenone	ND	92	96	4.3	86	114	28.0	30 - 130	30	
Aniline	ND	95	77	20.9	79	96	19.4	30 - 130	30	
Anthracene	ND	99	96	3.1	104	102	1.9	30 - 130	30	
Benz(a)anthracene	ND	96	92	4.3	103	103	0.0	30 - 130	30	
Benzidine	ND	65	63	3.1	49	47	4.2	30 - 130	30	
Benzo(a)pyrene	ND	92	88	4.4	100	95	5.1	30 - 130	30	
Benzo(b)fluoranthene	ND	101	94	7.2	107	107	0.0	30 - 130	30	
Benzo(ghi)perylene	ND	85	74	13.8	84	82	2.4	30 - 130	30	
Benzo(k)fluoranthene	ND	101	101	0.0	114	104	9.2	30 - 130	30	
Benzyl butyl phthalate	ND	102	88	14.7	99	96	3.1	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	93	85	9.0	99	86	14.1	30 - 130	30	
Bis(2-chloroethyl)ether	ND	86	80	7.2	91	98	7.4	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	80	86	7.2	76	100	27.3	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	93	91	2.2	107	99	7.8	30 - 130	30	
Carbazole	ND	113	111	1.8	111	110	0.9	30 - 130	30	
Chrysene	ND	97	93	4.2	104	103	1.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	88	77	13.3	90	87	3.4	30 - 130	30	
Dibenzofuran	ND	90	87	3.4	93	97	4.2	30 - 130	30	
Diethyl phthalate	ND	92	87	5.6	99	99	0.0	30 - 130	30	
Dimethylphthalate	ND	91	87	4.5	95	95	0.0	30 - 130	30	
Di-n-butylphthalate	ND	98	90	8.5	104	100	3.9	30 - 130	30	
Di-n-octylphthalate	ND	93	88	5.5	98	95	3.1	30 - 130	30	
Fluoranthene	ND	99	94	5.2	97	101	4.0	30 - 130	30	

QA/QC Data

SDG I.D.: GBF14186

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Fluorene	ND	92	87	5.6	96	97	1.0	30 - 130	30
Hexachlorobenzene	ND	89	89	0.0	103	98	5.0	30 - 130	30
Hexachlorobutadiene	ND	90	88	2.2	95	95	0.0	30 - 130	30
Hexachlorocyclopentadiene	ND	86	87	1.2	75	60	22.2	30 - 130	30
Hexachloroethane	ND	87	90	3.4	82	94	13.6	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	86	76	12.3	89	85	4.6	30 - 130	30
Isophorone	ND	96	100	4.1	100	112	11.3	30 - 130	30
Naphthalene	ND	93	90	3.3	98	97	1.0	30 - 130	30
Nitrobenzene	ND	88	90	2.2	87	102	15.9	30 - 130	30
N-Nitrosodimethylamine	ND	60	69	14.0	63	99	44.4	30 - 130	30
N-Nitrosodi-n-propylamine	ND	89	95	6.5	86	107	21.8	30 - 130	30
N-Nitrosodiphenylamine	ND	93	89	4.4	94	96	2.1	30 - 130	30
Pentachloronitrobenzene	ND	96	92	4.3	105	103	1.9	30 - 130	30
Pentachlorophenol	ND	97	92	5.3	123	113	8.5	30 - 130	30
Phenanthrene	ND	98	96	2.1	104	103	1.0	30 - 130	30
Phenol	ND	92	81	12.7	96	104	8.0	30 - 130	30
Pyrene	ND	84	97	14.4	98	98	0.0	30 - 130	30
Pyridine	ND	53	59	10.7	52	81	43.6	30 - 130	30
% 2,4,6-Tribromophenol	73	101	91	10.4	106	103	2.9	30 - 130	30
% 2-Fluorobiphenyl	68	85	80	6.1	89	91	2.2	30 - 130	30
% 2-Fluorophenol	66	86	75	13.7	70	87	21.7	30 - 130	30
% Nitrobenzene-d5	74	88	86	2.3	86	99	14.1	30 - 130	30
% Phenol-d5	72	91	75	19.3	91	101	10.4	30 - 130	30
% Terphenyl-d14	68	99	98	1.0	102	109	6.6	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 243548, QC Sample No: BF13998 (BF14187)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	101	96	5.1				70 - 130	30
1,1,1-Trichloroethane	ND	95	91	4.3				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	102	96	6.1				70 - 130	30
1,1,2-Trichloroethane	ND	99	96	3.1				70 - 130	30
1,1-Dichloroethane	ND	91	88	3.4				70 - 130	30
1,1-Dichloroethene	ND	91	86	5.6				70 - 130	30
1,1-Dichloropropene	ND	98	87	11.9				70 - 130	30
1,2,3-Trichlorobenzene	ND	99	91	8.4				70 - 130	30
1,2,3-Trichloropropane	ND	105	99	5.9				70 - 130	30
1,2,4-Trichlorobenzene	ND	97	84	14.4				70 - 130	30
1,2,4-Trimethylbenzene	ND	105	95	10.0				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	103	97	6.0				70 - 130	30
1,2-Dibromoethane	ND	99	93	6.3				70 - 130	30
1,2-Dichlorobenzene	ND	102	94	8.2				70 - 130	30
1,2-Dichloroethane	ND	97	92	5.3				70 - 130	30
1,2-Dichloropropane	ND	100	94	6.2				70 - 130	30
1,3,5-Trimethylbenzene	ND	104	94	10.1				70 - 130	30
1,3-Dichlorobenzene	ND	102	91	11.4				70 - 130	30
1,3-Dichloropropane	ND	99	95	4.1				70 - 130	30
1,4-Dichlorobenzene	ND	102	91	11.4				70 - 130	30
2,2-Dichloropropane	ND	98	92	6.3				70 - 130	30
2-Chlorotoluene	ND	107	97	9.8				70 - 130	30
2-Hexanone	ND	96	91	5.3				70 - 130	30

QA/QC Data

SDG I.D.: GBF14186

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
2-Isopropyltoluene	ND	106	96	9.9				70 - 130	30
4-Chlorotoluene	ND	100	91	9.4				70 - 130	30
4-Methyl-2-pentanone	ND	99	95	4.1				70 - 130	30
Acetone	ND	68	68	0.0				70 - 130	30
Acrylonitrile	ND	90	87	3.4				70 - 130	30
Benzene	ND	98	91	7.4				70 - 130	30
Bromobenzene	ND	103	95	8.1				70 - 130	30
Bromochloromethane	ND	100	98	2.0				70 - 130	30
Bromodichloromethane	ND	98	94	4.2				70 - 130	30
Bromoform	ND	104	103	1.0				70 - 130	30
Bromomethane	ND	91	85	6.8				70 - 130	30
Carbon Disulfide	ND	88	83	5.8				70 - 130	30
Carbon tetrachloride	ND	98	89	9.6				70 - 130	30
Chlorobenzene	ND	102	96	6.1				70 - 130	30
Chloroethane	ND	93	86	7.8				70 - 130	30
Chloroform	ND	92	90	2.2				70 - 130	30
Chloromethane	ND	102	94	8.2				70 - 130	30
cis-1,2-Dichloroethene	ND	108	102	5.7				70 - 130	30
cis-1,3-Dichloropropene	ND	97	92	5.3				70 - 130	30
Dibromochloromethane	ND	101	97	4.0				70 - 130	30
Dibromomethane	ND	99	95	4.1				70 - 130	30
Dichlorodifluoromethane	ND	101	93	8.2				70 - 130	30
Ethylbenzene	ND	99	91	8.4				70 - 130	30
Hexachlorobutadiene	ND	103	91	12.4				70 - 130	30
Isopropylbenzene	ND	109	99	9.6				70 - 130	30
m&p-Xylene	ND	99	91	8.4				70 - 130	30
Methyl ethyl ketone	ND	85	79	7.3				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	91	86	5.6				70 - 130	30
Methylene chloride	ND	84	82	2.4				70 - 130	30
Naphthalene	ND	102	95	7.1				70 - 130	30
n-Butylbenzene	ND	107	95	11.9				70 - 130	30
n-Propylbenzene	ND	107	97	9.8				70 - 130	30
o-Xylene	ND	105	97	7.9				70 - 130	30
p-Isopropyltoluene	ND	104	93	11.2				70 - 130	30
sec-Butylbenzene	ND	104	95	9.0				70 - 130	30
Styrene	ND	104	94	10.1				70 - 130	30
tert-Butylbenzene	ND	106	98	7.8				70 - 130	30
Tetrachloroethene	ND	101	90	11.5				70 - 130	30
Tetrahydrofuran (THF)	ND	93	92	1.1				70 - 130	30
Toluene	ND	100	91	9.4				70 - 130	30
trans-1,2-Dichloroethene	ND	92	87	5.6				70 - 130	30
trans-1,3-Dichloropropene	ND	96	91	5.3				70 - 130	30
trans-1,4-dichloro-2-butene	ND	104	98	5.9				70 - 130	30
Trichloroethene	ND	100	93	7.3				70 - 130	30
Trichlorofluoromethane	ND	92	87	5.6				70 - 130	30
Trichlorotrifluoroethane	ND	92	85	7.9				70 - 130	30
Vinyl chloride	ND	103	96	7.0				70 - 130	30
% 1,2-dichlorobenzene-d4	98	101	101	0.0				70 - 130	30
% Bromofluorobenzene	96	97	98	1.0				70 - 130	30
% Dibromofluoromethane	91	94	98	4.2				70 - 130	30
% Toluene-d8	95	102	100	2.0				70 - 130	30

QA/QC Data

SDG I.D.: GBF14186

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Comment:									
The MS/MSD are not reported for this batch.									
Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.									
QA/QC Batch 243391, QC Sample No: BF14190 (BF14190)									
<u>Pesticides - Soil</u>									
4,4' -DDD	ND	86			94	95	1.1	40 - 140	30
4,4' -DDE	ND	92			94	95	1.1	40 - 140	30
4,4' -DDT	ND	92			94	93	1.1	40 - 140	30
a-BHC	ND	94			92	91	1.1	40 - 140	30
a-Chlordane	ND	87			91	90	1.1	40 - 140	30
Alachlor	ND	NA			NA	NA	NC	40 - 140	30
Aldrin	ND	88			90	90	0.0	40 - 140	30
b-BHC	ND	95			97	95	2.1	40 - 140	30
Chlordane	ND	NA			NA	NA	NC	40 - 140	30
d-BHC	ND	85			87	86	1.2	40 - 140	30
Dieldrin	ND	93			91	92	1.1	40 - 140	30
Endosulfan I	ND	86			90	92	2.2	40 - 140	30
Endosulfan II	ND	96			102	101	1.0	40 - 140	30
Endosulfan sulfate	ND	99			96	95	1.0	40 - 140	30
Endrin	ND	86			91	91	0.0	40 - 140	30
Endrin aldehyde	ND	112			92	90	2.2	40 - 140	30
Endrin ketone	ND	104			108	103	4.7	40 - 140	30
g-BHC	ND	91			91	89	2.2	40 - 140	30
g-Chlordane	ND	84			94	95	1.1	40 - 140	30
Heptachlor	ND	89			91	90	1.1	40 - 140	30
Heptachlor epoxide	ND	89			90	89	1.1	40 - 140	30
Methoxychlor	ND	96			103	104	1.0	40 - 140	30
Toxaphene	ND	NA			NA	NA	NC	40 - 140	30
% DCBP	65	106			91	93	2.2	30 - 150	30
% TCMX	92	100			95	95	0.0	30 - 150	30

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.

m = This parameter is outside laboratory ms/msd specified recovery limits.

r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director
August 07, 2013

Sample Criteria Exceedences Report

Requested Criteria: 375, 375RRS, 375RS

GBF14186 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BF14186	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	19.5	0.35	1	1	mg/Kg
BF14186	CU-SM	Copper	NY / 375-6.8 Metals / Residential	321	3.5	270	270	mg/kg
BF14186	CU-SM	Copper	NY / 375-6.8 Metals / Residential Restricted	321	3.5	270	270	mg/kg
BF14186	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	321	3.5	50	50	mg/kg
BF14186	PB-SM	Lead	NY / 375-6.8 Metals / Residential	452	3.5	400	400	mg/Kg
BF14186	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	452	3.5	400	400	mg/Kg
BF14186	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	452	3.5	63	63	mg/Kg
BF14187	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	29.3	0.7	16	16	mg/Kg
BF14187	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	29.3	0.7	16	16	mg/Kg
BF14187	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	29.3	0.7	13	13	mg/Kg
BF14187	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	23.0	0.35	1	1	mg/Kg
BF14187	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.79	0.08	0.81	0.81	mg/Kg
BF14187	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.79	0.08	0.81	0.81	mg/Kg
BF14187	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.79	0.08	0.18	0.18	mg/Kg
BF14188	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	18.0	0.8	16	16	mg/Kg
BF14188	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	18.0	0.8	16	16	mg/Kg
BF14188	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	18.0	0.8	13	13	mg/Kg
BF14188	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	22.2	0.39	1	1	mg/Kg
BF14188	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	206	3.9	50	50	mg/kg
BF14188	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	0.87	0.07	0.81	0.81	mg/Kg
BF14188	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	0.87	0.07	0.81	0.81	mg/Kg
BF14188	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.87	0.07	0.18	0.18	mg/Kg
BF14188	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	122	0.39	63	63	mg/Kg
BF14189	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	22.7	0.36	1	1	mg/Kg
BF14189	CU-SM	Copper	NY / 375-6.8 Metals / Residential	790	3.6	270	270	mg/kg
BF14189	CU-SM	Copper	NY / 375-6.8 Metals / Residential Restricted	790	3.6	270	270	mg/kg
BF14189	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	790	3.6	50	50	mg/kg
BF14189	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	333	3.6	63	63	mg/Kg
BF14190	\$8260MAR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	73	32	50	50	ug/Kg
BF14190	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	3.13	0.32	2.5	2.5	mg/Kg
BF14190	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	3.13	0.32	2.5	2.5	mg/Kg
BF14190	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	25.9	0.32	1	1	mg/Kg
BF14190	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	94.2	0.32	50	50	mg/kg
BF14190	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.51	0.07	0.81	0.81	mg/Kg
BF14190	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.51	0.07	0.81	0.81	mg/Kg
BF14190	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.51	0.07	0.18	0.18	mg/Kg
BF14190	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	386	3.2	63	63	mg/Kg
BF14190	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	222	3.2	109	109	mg/Kg

Sample Criteria Exceedences Report

Requested Criteria: 375, 375RRS, 375RS

GBF14186 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BF14191	\$8260MAR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	61	26	50	50	ug/Kg
BF14191	\$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1300	260	1000	1000	ug/Kg
BF14191	\$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1300	260	1000	1000	ug/Kg
BF14191	\$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	260	1000	1000	ug/Kg
BF14191	\$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1300	260	1000	1000	ug/Kg
BF14191	\$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	260	1000	1000	ug/Kg
BF14191	\$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1300	260	1000	1000	ug/Kg
BF14191	\$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1300	260	1000	1000	ug/Kg
BF14191	\$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	260	1000	1000	ug/Kg
BF14191	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	26.2	0.37	1	1	mg/Kg
BF14191	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	107	0.37	50	50	mg/kg
BF14191	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	2.72	0.07	0.81	0.81	mg/Kg
BF14191	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	2.72	0.07	0.81	0.81	mg/Kg
BF14191	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	2.72	0.07	0.18	0.18	mg/Kg
BF14191	PB-SM	Lead	NY / 375-6.8 Metals / Residential	442	3.7	400	400	mg/Kg
BF14191	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	442	3.7	400	400	mg/Kg
BF14191	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	442	3.7	63	63	mg/Kg
BF14191	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	173	3.7	109	109	mg/Kg
BF14192	\$8260MAR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	73	33	50	50	ug/Kg
BF14192	\$PEST_SMR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	5.4	5	5	ug/Kg
BF14192	\$PEST_SMR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	34	3.3	3.3	ug/Kg
BF14192	\$PEST_SMR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	5.4	5	5	ug/Kg
BF14192	\$PEST_SMR	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	34	14	14	ug/Kg
BF14192	\$PEST_SMR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	140	3.3	3.3	ug/Kg
BF14192	\$PEST_SMR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	34	3.3	3.3	ug/Kg
BF14192	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	24.9	0.34	1	1	mg/Kg
BF14192	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	107	0.34	50	50	mg/kg
BF14192	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.77	0.08	0.81	0.81	mg/Kg
BF14192	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.77	0.08	0.81	0.81	mg/Kg
BF14192	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.77	0.08	0.18	0.18	mg/Kg
BF14192	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	341	3.4	63	63	mg/Kg
BF14192	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	168	3.4	109	109	mg/Kg
BF14193	\$8260MER	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	250	210	210	ug/Kg
BF14193	\$8260MER	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg
BF14193	\$8260MER	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	5000	50	50	ug/Kg
BF14193	\$8260MER	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	500	50	50	ug/Kg
BF14193	\$8260MER	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	190	190	ug/Kg
BF14193	\$8260MER	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	3000	120	120	ug/Kg
BF14193	\$8260MER	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	60	60	ug/Kg
BF14193	\$8260MER	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg

Sample Criteria Exceedences Report

GBF14186 - EBC

Requested Criteria: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



NY Temperature Narration

August 07, 2013

SDG I.D.: GBF14186

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)



Tuesday, August 27, 2013

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 555 GRAND ST., BROOKLYN
Sample ID#s: BF27773

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller", is written over a light blue horizontal line.

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 27, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: GROUND WATER
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

08/20/13
08/21/13

Time

11:15
17:00

Laboratory Data

SDG ID: GBF27773
Phoenix ID: BF27773

Project ID: 555 GRAND ST., BROOKLYN
Client ID: MW-1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.001	0.001	mg/L	08/22/13	LK	SW6010
Aluminum	0.542	0.010	mg/L	08/22/13	LK	SW6010
Arsenic	< 0.004	0.004	mg/L	08/22/13	LK	SW6010
Barium	0.065	0.002	mg/L	08/22/13	LK	SW6010
Beryllium	< 0.001	0.001	mg/L	08/22/13	LK	SW6010
Calcium	57.7	0.010	mg/L	08/22/13	LK	SW6010
Cadmium	< 0.001	0.001	mg/L	08/22/13	LK	SW6010
Cobalt	0.004	0.002	mg/L	08/22/13	LK	SW6010
Chromium	0.002	0.001	mg/L	08/22/13	LK	SW6010
Copper	< 0.005	0.005	mg/L	08/22/13	LK	SW6010
Silver (Dissolved)	< 0.001	0.001	mg/L	08/22/13	LK	SW6010
Aluminum (Dissolved)	0.09	0.01	mg/L	08/22/13	LK	SW6010
Arsenic (Dissolved)	< 0.004	0.004	mg/L	08/22/13	LK	SW6010
Barium (Dissolved)	0.063	0.002	mg/L	08/22/13	LK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	mg/L	08/22/13	LK	SW6010
Calcium (Dissolved)	59.2	0.01	mg/L	08/22/13	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	08/22/13	LK	SW6010
Cobalt (Dissolved)	0.004	0.001	mg/L	08/22/13	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001	mg/L	08/22/13	LK	SW6010
Copper (Dissolved)	< 0.005	0.005	mg/L	08/22/13	LK	SW6010
Iron (Dissolved)	< 0.011	0.011	mg/L	08/22/13	LK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	08/22/13	RS	SW7470
Potassium (Dissolved)	5.2	0.1	mg/L	08/22/13	LK	SW6010
Magnesium (Dissolved)	17.8	0.01	mg/L	08/22/13	LK	SW6010
Manganese (Dissolved)	1.95	0.001	mg/L	08/22/13	LK	SW6010
Sodium (Dissolved)	73.9	1.1	mg/L	08/22/13	EK	SW6010
Nickel (Dissolved)	0.010	0.001	mg/L	08/22/13	LK	SW6010
Lead (Dissolved)	< 0.002	0.002	mg/L	08/22/13	LK	SW6010

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Antimony (Dissolved)	< 0.005	0.005	mg/L	08/22/13	EK	SW6010
Selenium (Dissolved)	< 0.011	0.011	mg/L	08/22/13	LK	SW6010
Thallium (Dissolved)	< 0.002	0.002	mg/L	08/22/13	RS	SW7010
Vanadium (Dissolved)	< 0.002	0.002	mg/L	08/22/13	LK	SW6010
Zinc (Dissolved)	0.036	0.002	mg/L	08/22/13	LK	SW6010
Iron	0.872	0.010	mg/L	08/22/13	LK	SW6010
Mercury	< 0.0002	0.0002	mg/L	08/22/13	RS	SW7470
Potassium	5.3	0.1	mg/L	08/22/13	LK	SW6010
Magnesium	17.6	0.01	mg/L	08/22/13	LK	SW6010
Manganese	1.93	0.001	mg/L	08/22/13	LK	SW6010
Sodium	80.1	1.0	mg/L	08/23/13	LK	SW6010
Nickel	0.009	0.001	mg/L	08/22/13	LK	SW6010
Lead	< 0.002	0.002	mg/L	08/22/13	LK	SW6010
Antimony	< 0.005	0.005	mg/L	08/22/13	EK	SW6010
Selenium	< 0.010	0.010	mg/L	08/22/13	LK	SW6010
Thallium	< 0.002	0.002	mg/L	08/22/13	RS	SM3113B/SW70
Vanadium	< 0.002	0.002	mg/L	08/22/13	LK	SW6010
Zinc	0.039	0.002	mg/L	08/22/13	LK	SW6010
Filtration	Completed			08/21/13	Z/Z	0.45um Filter
Dissolved Mercury Digestion	Completed			08/22/13	X/X	SW7470
Mercury Digestion	Completed			08/22/13	X/X	SW7470
PCB Extraction	Completed			08/21/13	L	SW3510C
Extraction for Pest (2 Liter)	Completed			08/21/13	L	SW3510
Semi-Volatile Extraction	Completed			08/21/13	E/K/D	SW3520
Dissolved Metals Preparation	Completed			08/21/13	Z/Z	SW846-3005
Total Metals Digestion	Completed			08/21/13	AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	0.053	ug/L	08/22/13	AW	8082
PCB-1221	ND	0.053	ug/L	08/22/13	AW	8082
PCB-1232	ND	0.053	ug/L	08/22/13	AW	8082
PCB-1242	ND	0.053	ug/L	08/22/13	AW	8082
PCB-1248	ND	0.053	ug/L	08/22/13	AW	8082
PCB-1254	ND	0.053	ug/L	08/22/13	AW	8082
PCB-1260	ND	0.053	ug/L	08/22/13	AW	8082
PCB-1262	ND	0.053	ug/L	08/22/13	AW	8082
PCB-1268	ND	0.053	ug/L	08/22/13	AW	8082

QA/QC Surrogates

% DCBP	83		%	08/22/13	AW	30 - 150 %
% TCMX	76		%	08/22/13	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	0.010	ug/L	08/22/13	MH	SW8081
4,4' -DDE	ND	0.010	ug/L	08/22/13	MH	SW8081
4,4' -DDT	ND	0.010	ug/L	08/22/13	MH	SW8081
α-BHC	ND	0.010	ug/L	08/22/13	MH	SW8081
Alachlor	ND	0.075	ug/L	08/22/13	MH	SW8081
Aldrin	ND	0.002	ug/L	08/22/13	MH	SW8081
β-BHC	ND	0.005	ug/L	08/22/13	MH	SW8081
Chlordane	ND*	0.12	ug/L	08/22/13	MH	SW8081

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
d-BHC	ND	0.025	ug/L	08/22/13	MH	SW8081
Dieldrin	ND	0.002	ug/L	08/22/13	MH	SW8081
Endosulfan I	ND	0.050	ug/L	08/22/13	MH	SW8081
Endosulfan II	ND	0.050	ug/L	08/22/13	MH	SW8081
Endosulfan Sulfate	ND	0.050	ug/L	08/22/13	MH	SW8081
Endrin	ND	0.010	ug/L	08/22/13	MH	SW8081
Endrin Aldehyde	ND	0.050	ug/L	08/22/13	MH	SW8081
Endrin ketone	ND	0.050	ug/L	08/22/13	MH	SW8081
g-BHC (Lindane)	ND	0.025	ug/L	08/22/13	MH	SW8081
Heptachlor	ND	0.010	ug/L	08/22/13	MH	SW8081
Heptachlor epoxide	ND	0.010	ug/L	08/22/13	MH	SW8081
Methoxychlor	ND	0.10	ug/L	08/22/13	MH	SW8081
Toxaphene	ND	0.25	ug/L	08/22/13	MH	SW8081

QA/QC Surrogates

%DCBP (Surrogate Rec)	87		%	08/22/13	MH	30 - 150 %
%TCMX (Surrogate Rec)	85		%	08/22/13	MH	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	08/21/13	R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	08/21/13	R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	08/21/13	R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	08/21/13	R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	08/21/13	R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	08/21/13	R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	08/21/13	R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	08/21/13	R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	08/21/13	R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	08/21/13	R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	08/21/13	R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	08/21/13	R/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	08/21/13	R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	08/21/13	R/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	08/21/13	R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	08/21/13	R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	08/21/13	R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	08/21/13	R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	08/21/13	R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	08/21/13	R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	08/21/13	R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	08/21/13	R/T	SW8260
2-Hexanone	ND	5.0	ug/L	08/21/13	R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	08/21/13	R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	08/21/13	R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	08/21/13	R/T	SW8260
Acetone	ND	25	ug/L	08/21/13	R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	08/21/13	R/T	SW8260
Benzene	ND	0.70	ug/L	08/21/13	R/T	SW8260
Bromobenzene	ND	1.0	ug/L	08/21/13	R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	08/21/13	R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	08/21/13	R/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Bromoform	ND	1.0	ug/L	08/21/13	R/T	SW8260
Bromomethane	ND	1.0	ug/L	08/21/13	R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	08/21/13	R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	08/21/13	R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	08/21/13	R/T	SW8260
Chloroethane	ND	1.0	ug/L	08/21/13	R/T	SW8260
Chloroform	ND	1.0	ug/L	08/21/13	R/T	SW8260
Chloromethane	ND	1.0	ug/L	08/21/13	R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	08/21/13	R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	08/21/13	R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	08/21/13	R/T	SW8260
Dibromomethane	ND	1.0	ug/L	08/21/13	R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	08/21/13	R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	08/21/13	R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	08/21/13	R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	08/21/13	R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	08/21/13	R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	08/21/13	R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	08/21/13	R/T	SW8260
Methylene chloride	ND	1.0	ug/L	08/21/13	R/T	SW8260
Naphthalene	ND	1.0	ug/L	08/21/13	R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	08/21/13	R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	08/21/13	R/T	SW8260
o-Xylene	ND	1.0	ug/L	08/21/13	R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	08/21/13	R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	08/21/13	R/T	SW8260
Styrene	ND	1.0	ug/L	08/21/13	R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	08/21/13	R/T	SW8260
Tetrachloroethene	1.3	1.0	ug/L	08/21/13	R/T	SW8260
Tetrahydrofuran (THF)	ND	2.5	ug/L	08/21/13	R/T	SW8260
Toluene	ND	1.0	ug/L	08/21/13	R/T	SW8260
Total Xylenes	ND	1.0	ug/L	08/21/13	R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	08/21/13	R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	08/21/13	R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	08/21/13	R/T	SW8260
Trichloroethene	ND	1.0	ug/L	08/21/13	R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	08/21/13	R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	08/21/13	R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	08/21/13	R/T	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	101		%	08/21/13	R/T	70 - 130 %
% Bromofluorobenzene	101		%	08/21/13	R/T	70 - 130 %
% Dibromofluoromethane	95		%	08/21/13	R/T	70 - 130 %
% Toluene-d8	103		%	08/21/13	R/T	70 - 130 %
<u>Semivolatiles</u>						
1,2,4-Trichlorobenzene	ND	5.6	ug/L	08/23/13	DD	SW8270
1,2-Dichlorobenzene	ND	5.6	ug/L	08/23/13	DD	SW8270
1,2-Diphenylhydrazine	ND	5.6	ug/L	08/23/13	DD	SW8270
1,3-Dichlorobenzene	ND	5.6	ug/L	08/23/13	DD	SW8270

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	5.6	ug/L	08/23/13	DD	SW8270
2,4,5-Trichlorophenol	ND	11	ug/L	08/23/13	DD	SW8270
2,4,6-Trichlorophenol	ND	11	ug/L	08/23/13	DD	SW8270
2,4-Dichlorophenol	ND	11	ug/L	08/23/13	DD	SW8270
2,4-Dimethylphenol	ND	11	ug/L	08/23/13	DD	SW8270
2,4-Dinitrophenol	ND	56	ug/L	08/23/13	DD	SW8270
2,4-Dinitrotoluene	ND	5.6	ug/L	08/23/13	DD	SW8270
2,6-Dinitrotoluene	ND	5.6	ug/L	08/23/13	DD	SW8270
2-Chloronaphthalene	ND	5.6	ug/L	08/23/13	DD	SW8270
2-Chlorophenol	ND	11	ug/L	08/23/13	DD	SW8270
2-Methylnaphthalene	ND	5.6	ug/L	08/23/13	DD	SW8270
2-Methylphenol (o-cresol)	ND	11	ug/L	08/23/13	DD	SW8270
2-Nitroaniline	ND	56	ug/L	08/23/13	DD	SW8270
2-Nitrophenol	ND	11	ug/L	08/23/13	DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	11	ug/L	08/23/13	DD	SW8270
3,3'-Dichlorobenzidine	ND	56	ug/L	08/23/13	DD	SW8270
3-Nitroaniline	ND	56	ug/L	08/23/13	DD	SW8270
4,6-Dinitro-2-methylphenol	ND	56	ug/L	08/23/13	DD	SW8270
4-Bromophenyl phenyl ether	ND	5.6	ug/L	08/23/13	DD	SW8270
4-Chloro-3-methylphenol	ND	22	ug/L	08/23/13	DD	SW8270
4-Chloroaniline	ND	22	ug/L	08/23/13	DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.6	ug/L	08/23/13	DD	SW8270
4-Nitroaniline	ND	22	ug/L	08/23/13	DD	SW8270
4-Nitrophenol	ND	56	ug/L	08/23/13	DD	SW8270
Acetophenone	ND	5.6	ug/L	08/23/13	DD	SW8270
Aniline	ND	11	ug/L	08/23/13	DD	SW8270
Anthracene	ND	5.6	ug/L	08/23/13	DD	SW8270
Benzidine	ND	56	ug/L	08/23/13	DD	SW8270
Benzoic acid	ND	56	ug/L	08/23/13	DD	SW8270
Benzyl butyl phthalate	ND	5.6	ug/L	08/23/13	DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.6	ug/L	08/23/13	DD	SW8270
Bis(2-chloroethyl)ether	ND	5.6	ug/L	08/23/13	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.6	ug/L	08/23/13	DD	SW8270
Carbazole	ND	5.6	ug/L	08/23/13	DD	SW8270
Dibenzofuran	ND	5.6	ug/L	08/23/13	DD	SW8270
Diethyl phthalate	ND	5.6	ug/L	08/23/13	DD	SW8270
Dimethylphthalate	ND	5.6	ug/L	08/23/13	DD	SW8270
Di-n-butylphthalate	ND	5.6	ug/L	08/23/13	DD	SW8270
Di-n-octylphthalate	ND	5.6	ug/L	08/23/13	DD	SW8270
Fluoranthene	ND	5.6	ug/L	08/23/13	DD	SW8270
Fluorene	ND	5.6	ug/L	08/23/13	DD	SW8270
Hexachlorobutadiene	ND	5.6	ug/L	08/23/13	DD	SW8270
Hexachlorocyclopentadiene	ND	5.6	ug/L	08/23/13	DD	SW8270
Isophorone	ND	5.6	ug/L	08/23/13	DD	SW8270
Naphthalene	ND	5.6	ug/L	08/23/13	DD	SW8270
Nitrobenzene	ND	5.6	ug/L	08/23/13	DD	SW8270
N-Nitrosodimethylamine	ND	5.6	ug/L	08/23/13	DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.6	ug/L	08/23/13	DD	SW8270
N-Nitrosodiphenylamine	ND	5.6	ug/L	08/23/13	DD	SW8270
Phenol	ND	5.6	ug/L	08/23/13	DD	SW8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Pyrene	ND	5.6	ug/L	08/23/13	DD	SW8270
<u>QA/QC Surrogates</u>						
% 2,4,6-Tribromophenol	108		%	08/23/13	DD	15 - 130 %
% 2-Fluorobiphenyl	83		%	08/23/13	DD	30 - 130 %
% 2-Fluorophenol	67		%	08/23/13	DD	15 - 130 %
% Nitrobenzene-d5	115		%	08/23/13	DD	30 - 130 %
% Phenol-d5	76		%	08/23/13	DD	15 - 130 %
% Terphenyl-d14	92		%	08/23/13	DD	30 - 130 %
<u>Semivolatiles</u>						
1,2,4,5-Tetrachlorobenzene	ND	1.8	ug/L	08/22/13	DD	SW8270 (SIM)
Acenaphthene	ND	0.056	ug/L	08/22/13	DD	SW8270 (SIM)
Acenaphthylene	ND	0.056	ug/L	08/22/13	DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.044	ug/L	08/22/13	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.056	ug/L	08/22/13	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.056	ug/L	08/22/13	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.3	ug/L	08/22/13	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.056	ug/L	08/22/13	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.8	ug/L	08/22/13	DD	SW8270 (SIM)
Chrysene	ND	0.056	ug/L	08/22/13	DD	SW8270 (SIM) B
Dibenz(a,h)anthracene	ND	0.011	ug/L	08/22/13	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.067	ug/L	08/22/13	DD	SW8270 (SIM)
Hexachloroethane	ND	2.7	ug/L	08/22/13	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.056	ug/L	08/22/13	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.11	ug/L	08/22/13	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.89	ug/L	08/22/13	DD	SW8270 (SIM)
Phenanthrene	ND	0.056	ug/L	08/22/13	DD	SW8270 (SIM)
Pyridine	ND	0.56	ug/L	08/22/13	DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>						
% 2,4,6-Tribromophenol	108		%	08/22/13	DD	15 - 130 %
% 2-Fluorobiphenyl	83		%	08/22/13	DD	30 - 130 %
% 2-Fluorophenol	67		%	08/22/13	DD	15 - 130 %
% Nitrobenzene-d5	115		%	08/22/13	DD	30 - 130 %
% Phenol-d5	76		%	08/22/13	DD	15 - 130 %
% Terphenyl-d14	92		%	08/22/13	DD	30 - 130 %

Client ID: MW-1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level

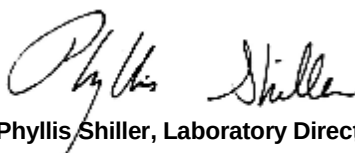
Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

* For Pesticides, due to matrix interference from non target compounds in the sample an elevated RL was reported.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 27, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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QA/QC Report

August 27, 2013

QA/QC Data

SDG I.D.: GBF27773

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 246542, QC Sample No: BF25651 (BF27773)												
Thallium - Water	BRL	<0.002	<0.002	NC	112	110	1.8	115	116	0.9	75 - 125	20
QA/QC Batch 247164, QC Sample No: BF27164 (BF27773)												
<u>ICP Metals - Aqueous</u>												
Aluminum	BRL	0.065	0.108	49.7	97.2	95.2	2.1	89.2	91.5	2.5	75 - 125	20
Antimony	BRL	<0.005	<0.005	NC	108	107	0.9	109	109	0.0	75 - 125	20
Arsenic	BRL	0.006	<0.004	NC	101	100	1.0	102	104	1.9	75 - 125	20
Barium	BRL	0.056	0.057	1.80	100	98.9	1.1	97.7	99.3	1.6	75 - 125	20
Beryllium	BRL	<0.001	<0.001	NC	101	99.9	1.1	101	101	0.0	75 - 125	20
Cadmium	BRL	<0.001	<0.001	NC	105	104	1.0	102	102	0.0	75 - 125	20
Calcium	BRL	29.6	30.6	3.30	104	101	2.9	NC	NC	NC	75 - 125	20
Chromium	BRL	<0.001	<0.001	NC	101	99.1	1.9	99.4	100	0.6	75 - 125	20
Cobalt	BRL	<0.002	<0.002	NC	102	101	1.0	99.7	100	0.3	75 - 125	20
Copper	BRL	<0.005	<0.005	NC	102	99.8	2.2	100	102	2.0	75 - 125	20
Iron	BRL	0.043	0.040	NC	103	102	1.0	101	101	0.0	75 - 125	20
Lead	BRL	<0.002	<0.002	NC	102	100	2.0	99.4	100	0.6	75 - 125	20
Magnesium	BRL	9.73	9.90	1.70	104	103	1.0	NC	NC	NC	75 - 125	20
Manganese	BRL	0.008	0.008	0	104	102	1.9	101	102	1.0	75 - 125	20
Nickel	BRL	<0.001	<0.001	NC	107	105	1.9	104	105	1.0	75 - 125	20
Potassium	BRL	6.4	6.6	3.10	96.1	95.6	0.5	91.1	99.5	8.8	75 - 125	20
Selenium	BRL	<0.010	<0.010	NC	102	101	1.0	102	103	1.0	75 - 125	20
Silver	BRL	<0.001	<0.001	NC	91.5	90.6	1.0	90.9	92.2	1.4	75 - 125	20
Sodium	0.3	38.8	39.9	2.80	121	118	2.5	NC	NC	NC	75 - 125	20
Vanadium	BRL	<0.002	<0.002	NC	99.6	97.8	1.8	99.4	99.8	0.4	75 - 125	20
Zinc	BRL	<0.002	<0.002	NC	103	102	1.0	102	103	1.0	75 - 125	20

QA/QC Batch 247403, QC Sample No: BF27498 (BF27773)

ICP Metals - Dissolved

Aluminum	BRL	1.33	1.36	2.20	91.7	91.3	0.4	106	113	6.4	75 - 125	20
Antimony	BRL	0.012	0.010	NC	98.5	98.8	0.3	95.4	104	8.6	75 - 125	20
Arsenic	BRL	0.014	0.009	NC	91.7	91.0	0.8	91.8	98.1	6.6	75 - 125	20
Barium	BRL	0.057	0.057	0	97.9	98.0	0.1	95.9	101	5.2	75 - 125	20
Beryllium	BRL	0.002	<0.001	NC	92.3	91.9	0.4	93.5	98.5	5.2	75 - 125	20
Cadmium	BRL	<0.001	<0.001	NC	97.0	96.5	0.5	96.2	101	4.9	75 - 125	20
Calcium	0.02	36.3	36.6	0.80	95.0	96.2	1.3	NC	NC	NC	75 - 125	20
Chromium	BRL	<0.001	<0.001	NC	95.5	95.1	0.4	93.5	99.7	6.4	75 - 125	20
Cobalt	BRL	0.004	0.003	NC	95.5	94.8	0.7	95.5	99.4	4.0	75 - 125	20
Copper	BRL	<0.005	<0.005	NC	94.4	95.2	0.8	94.1	100	6.1	75 - 125	20
Iron	BRL	0.013	<0.011	NC	98.0	97.4	0.6	96.3	102	5.7	75 - 125	20
Lead	BRL	<0.002	<0.002	NC	94.5	94.4	0.1	92.7	98.6	6.2	75 - 125	20
Magnesium	BRL	10.3	10.3	0	98.1	97.0	1.1	NC	NC	NC	75 - 125	20
Manganese	BRL	1.55	1.56	0.60	97.1	96.2	0.9	85.1	91.2	6.9	75 - 125	20
Nickel	BRL	0.003	0.003	NC	99.5	98.9	0.6	97.4	104	6.6	75 - 125	20

QA/QC Data

SDG I.D.: GBF27773

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Potassium	BRL	0.9	0.9	0	89.2	86.2	3.4	100	104	3.9	75 - 125	20
Selenium	BRL	<0.011	<0.011	NC	88.5	88.9	0.5	89.4	94.2	5.2	75 - 125	20
Silver	BRL	<0.001	<0.001	NC	90.1	90.8	0.8	68.2	85.6	22.6	75 - 125	20
Sodium	BRL	72.8	75.0	3.00	89.1	85.9	3.7	NC	NC	NC	75 - 125	20
Vanadium	BRL	<0.002	<0.002	NC	93.7	94.5	0.9	93.5	99.9	6.6	75 - 125	20
Zinc	BRL	0.103	0.104	1.00	94.4	93.7	0.7	96.7	101	4.4	75 - 125	20
QA/QC Batch 247447, QC Sample No: BF27525 (BF27773)												
Mercury - Water	BRL	<0.0002	<0.0002	NC	103	98.3	4.7	93.1	92.3	0.9	70 - 130	20
Comment:												
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.												
QA/QC Batch 247404, QC Sample No: BF27773 (BF27773)												
Thallium (Dissolved)		<0.002	<0.005	NC	91.7	90.1	1.8	75.2	76.6	1.8	75 - 125	20

m = This parameter is outside laboratory ms/msd specified recovery limits.

r = This parameter is outside laboratory rpd specified recovery limits.



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QA/QC Report

August 27, 2013

QA/QC Data

SDG I.D.: GBF27773

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 246875, QC Sample No: BF25966 (BF27773)									
<u>Pesticides - Ground Water</u>									
4,4' -DDD	ND	98	108	9.7				40 - 140	20
4,4' -DDE	ND	84	94	11.2				40 - 140	20
4,4' -DDT	ND	94	105	11.1				40 - 140	20
a-BHC	ND	86	96	11.0				40 - 140	20
a-Chlordane	ND	85	93	9.0				40 - 140	20
Alachlor	ND	NA	NA	NC				40 - 140	20
Aldrin	ND	76	85	11.2				40 - 140	20
b-BHC	ND	77	90	15.6				40 - 140	20
Chlordane	ND	NA	NA	NC				40 - 140	20
d-BHC	ND	78	88	12.0				40 - 140	20
Dieldrin	ND	85	94	10.1				40 - 140	20
Endosulfan I	ND	90	101	11.5				40 - 140	20
Endosulfan II	ND	80	90	11.8				40 - 140	20
Endosulfan sulfate	ND	86	96	11.0				40 - 140	20
Endrin	ND	92	102	10.3				40 - 140	20
Endrin aldehyde	ND	106	116	9.0				40 - 140	20
Endrin ketone	ND	93	106	13.1				40 - 140	20
g-BHC	ND	82	91	10.4				40 - 140	20
g-Chlordane	ND	85	94	10.1				40 - 140	20
Heptachlor	ND	74	81	9.0				40 - 140	20
Heptachlor epoxide	ND	71	79	10.7				40 - 140	20
Methoxychlor	ND	93	106	13.1				40 - 140	20
Toxaphene	ND	NA	NA	NC				40 - 140	20
% DCBP	91	82	94	13.6				30 - 150	20
% TCMX	110	100	110	9.5				30 - 150	20

QA/QC Batch 246877, QC Sample No: BF26224 (BF27773)

Polychlorinated Biphenyls - Ground Water

PCB-1016	ND	92	112	19.6				40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	99	123	21.6				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	106	75	92	20.4				30 - 150	20
% TCMX (Surrogate Rec)	88	75	92	20.4				30 - 150	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Data

SDG I.D.: GBF27773

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 247495, QC Sample No: BF27390 (BF27773)									
<u>Volatiles - Ground Water</u>									
1,1,1,2-Tetrachloroethane	ND	87	93	6.7	88	79	10.8	70 - 130	30
1,1,1-Trichloroethane	ND	88	94	6.6	91	80	12.9	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	83	86	3.6	87	76	13.5	70 - 130	30
1,1,2-Trichloroethane	ND	91	100	9.4	93	83	11.4	70 - 130	30
1,1-Dichloroethane	ND	91	96	5.3	94	83	12.4	70 - 130	30
1,1-Dichloroethene	ND	91	97	6.4	95	85	11.1	70 - 130	30
1,1-Dichloropropene	ND	85	92	7.9	89	77	14.5	70 - 130	30
1,2,3-Trichlorobenzene	ND	66	71	7.3	68	61	10.9	70 - 130	30 I,m
1,2,3-Trichloropropane	ND	83	96	14.5	94	78	18.6	70 - 130	30
1,2,4-Trichlorobenzene	ND	68	74	8.5	71	63	11.9	70 - 130	30 I,m
1,2,4-Trimethylbenzene	ND	95	99	4.1	93	82	12.6	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	76	79	3.9	75	68	9.8	70 - 130	30 m
1,2-Dibromoethane	ND	89	96	7.6	92	83	10.3	70 - 130	30
1,2-Dichlorobenzene	ND	88	92	4.4	90	80	11.8	70 - 130	30
1,2-Dichloroethane	ND	95	100	5.1	99	87	12.9	70 - 130	30
1,2-Dichloropropane	ND	91	97	6.4	95	84	12.3	70 - 130	30
1,3,5-Trimethylbenzene	ND	91	96	5.3	92	81	12.7	70 - 130	30
1,3-Dichlorobenzene	ND	87	91	4.5	87	77	12.2	70 - 130	30
1,3-Dichloropropane	ND	91	97	6.4	95	85	11.1	70 - 130	30
1,4-Dichlorobenzene	ND	90	94	4.3	89	79	11.9	70 - 130	30
2,2-Dichloropropane	ND	86	91	5.6	78	68	13.7	70 - 130	30 m
2-Chlorotoluene	ND	85	89	4.6	83	74	11.5	70 - 130	30
2-Hexanone	ND	95	101	6.1	94	84	11.2	70 - 130	30
2-Isopropyltoluene	ND	84	87	3.5	85	74	13.8	70 - 130	30
4-Chlorotoluene	ND	85	89	4.6	86	75	13.7	70 - 130	30
4-Methyl-2-pentanone	ND	96	103	7.0	98	89	9.6	70 - 130	30
Acetone	ND	112	109	2.7	111	89	22.0	70 - 130	30
Acrylonitrile	ND	95	102	7.1	98	86	13.0	70 - 130	30
Benzene	ND	86	92	6.7	90	79	13.0	70 - 130	30
Bromobenzene	ND	79	83	4.9	79	71	10.7	70 - 130	30
Bromochloromethane	ND	88	94	6.6	92	83	10.3	70 - 130	30
Bromodichloromethane	ND	89	95	6.5	93	83	11.4	70 - 130	30
Bromoform	ND	82	90	9.3	84	75	11.3	70 - 130	30
Bromomethane	ND	74	84	12.7	72	72	0.0	70 - 130	30
Carbon Disulfide	ND	79	86	8.5	86	77	11.0	70 - 130	30
Carbon tetrachloride	ND	84	91	8.0	87	76	13.5	70 - 130	30
Chlorobenzene	ND	89	95	6.5	90	81	10.5	70 - 130	30
Chloroethane	ND	90	97	7.5	93	85	9.0	70 - 130	30
Chloroform	ND	93	99	6.3	95	85	11.1	70 - 130	30
Chloromethane	ND	84	89	5.8	83	74	11.5	70 - 130	30
cis-1,2-Dichloroethene	ND	91	96	5.3	90	78	14.3	70 - 130	30
cis-1,3-Dichloropropene	ND	86	93	7.8	88	79	10.8	70 - 130	30
Dibromochloromethane	ND	86	92	6.7	88	79	10.8	70 - 130	30
Dibromomethane	ND	91	97	6.4	94	84	11.2	70 - 130	30
Dichlorodifluoromethane	ND	100	107	6.8	81	73	10.4	70 - 130	30
Ethylbenzene	ND	85	90	5.7	89	78	13.2	70 - 130	30
Hexachlorobutadiene	ND	52	56	7.4	52	46	12.2	70 - 130	30 I,m
Isopropylbenzene	ND	79	83	4.9	77	68	12.4	70 - 130	30 m
m&p-Xylene	ND	91	96	5.3	93	82	12.6	70 - 130	30
Methyl ethyl ketone	ND	93	102	9.2	96	91	5.3	70 - 130	30

QA/QC Data

SDG I.D.: GBF27773

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Methyl t-butyl ether (MTBE)	ND	79	86	8.5	87	78	10.9	70 - 130	30
Methylene chloride	ND	89	95	6.5	96	86	11.0	70 - 130	30
Naphthalene	ND	76	83	8.8	81	71	13.2	70 - 130	30
n-Butylbenzene	ND	78	82	5.0	76	66	14.1	70 - 130	30 m
n-Propylbenzene	ND	82	85	3.6	80	71	11.9	70 - 130	30
o-Xylene	ND	92	98	6.3	93	84	10.2	70 - 130	30
p-Isopropyltoluene	ND	81	85	4.8	81	70	14.6	70 - 130	30
sec-Butylbenzene	ND	77	80	3.8	77	67	13.9	70 - 130	30 m
Styrene	ND	91	96	5.3	94	84	11.2	70 - 130	30
tert-Butylbenzene	ND	80	84	4.9	79	70	12.1	70 - 130	30
Tetrachloroethene	ND	81	86	6.0	82	72	13.0	70 - 130	30
Tetrahydrofuran (THF)	ND	97	102	5.0	102	91	11.4	70 - 130	30
Toluene	ND	86	92	6.7	88	78	12.0	70 - 130	30
trans-1,2-Dichloroethene	ND	90	97	7.5	94	83	12.4	70 - 130	30
trans-1,3-Dichloropropene	ND	86	92	6.7	89	80	10.7	70 - 130	30
trans-1,4-dichloro-2-butene	ND	80	81	1.2	69	65	6.0	70 - 130	30 m
Trichloroethene	ND	85	91	6.8	85	75	12.5	70 - 130	30
Trichlorofluoromethane	ND	96	103	7.0	98	87	11.9	70 - 130	30
Trichlorotrifluoroethane	ND	88	94	6.6	95	85	11.1	70 - 130	30
Vinyl chloride	ND	100	106	5.8	94	83	12.4	70 - 130	30
% 1,2-dichlorobenzene-d4	100	98	98	0.0	100	99	1.0	70 - 130	30
% Bromofluorobenzene	101	101	102	1.0	102	103	1.0	70 - 130	30
% Dibromofluoromethane	95	95	96	1.0	95	96	1.0	70 - 130	30
% Toluene-d8	102	101	102	1.0	103	103	0.0	70 - 130	30

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-200%.

QA/QC Batch 247375, QC Sample No: BF27773 (BF27773)

Semivolatiles - Ground Water

1,2,4,5-Tetrachlorobenzene	ND	92	88	4.4				30 - 130	20
1,2,4-Trichlorobenzene	ND	88	81	8.3				30 - 130	20
1,2-Dichlorobenzene	ND	83	79	4.9				30 - 130	20
1,2-Diphenylhydrazine	ND	97	100	3.0				30 - 130	20
1,3-Dichlorobenzene	ND	84	79	6.1				30 - 130	20
1,4-Dichlorobenzene	ND	83	78	6.2				30 - 130	20
2,4,5-Trichlorophenol	ND	101	94	7.2				30 - 130	20
2,4,6-Trichlorophenol	ND	95	90	5.4				30 - 130	20
2,4-Dichlorophenol	ND	94	88	6.6				30 - 130	20
2,4-Dimethylphenol	ND	61	57	6.8				30 - 130	20
2,4-Dinitrophenol	ND	90	87	3.4				30 - 130	20
2,4-Dinitrotoluene	ND	96	95	1.0				30 - 130	20
2,6-Dinitrotoluene	ND	99	89	10.6				30 - 130	20
2-Chloronaphthalene	ND	93	81	13.8				30 - 130	20
2-Chlorophenol	ND	86	77	11.0				30 - 130	20
2-Methylnaphthalene	ND	96	91	5.3				30 - 130	20
2-Methylphenol (o-cresol)	ND	86	84	2.4				30 - 130	20
2-Nitroaniline	ND	>150	>150	NC				30 - 130	20 I
2-Nitrophenol	ND	102	97	5.0				30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	96	94	2.1				30 - 130	20
3,3'-Dichlorobenzidine	ND	>150	>150	NC				30 - 130	20 I
3-Nitroaniline	ND	>150	>150	NC				30 - 130	20 I
4,6-Dinitro-2-methylphenol	ND	95	102	7.1				30 - 130	20
4-Bromophenyl phenyl ether	ND	86	80	7.2				30 - 130	20

QA/QC Data

SDG I.D.: GBF27773

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
4-Chloro-3-methylphenol	ND	100	95	5.1				30 - 130	20
4-Chloroaniline	ND	94	89	5.5				30 - 130	20
4-Chlorophenyl phenyl ether	ND	105	101	3.9				30 - 130	20
4-Nitroaniline	ND	107	94	12.9				30 - 130	20
4-Nitrophenol	ND	104	101	2.9				15 - 130	20
Acenaphthene	ND	100	96	4.1				30 - 130	20
Acenaphthylene	ND	97	91	6.4				30 - 130	20
Acetophenone	ND	101	98	3.0				30 - 130	20
Aniline	ND	81	75	7.7				30 - 130	20
Anthracene	ND	99	98	1.0				30 - 130	20
Benz(a)anthracene	ND	108	106	1.9				30 - 130	20
Benzidine	ND	41	43	4.8				30 - 130	20
Benzo(a)pyrene	ND	90	87	3.4				30 - 130	20
Benzo(b)fluoranthene	ND	98	102	4.0				30 - 130	20
Benzo(ghi)perylene	ND	101	83	19.6				30 - 130	20
Benzo(k)fluoranthene	ND	103	97	6.0				30 - 130	20
Benzoic acid	ND	N/A	N/A	NC				30 - 130	20
Benzyl butyl phthalate	ND	106	104	1.9				30 - 130	20
Bis(2-chloroethoxy)methane	ND	93	84	10.2				30 - 130	20
Bis(2-chloroethyl)ether	ND	82	76	7.6				30 - 130	20
Bis(2-chloroisopropyl)ether	ND	83	79	4.9				30 - 130	20
Bis(2-ethylhexyl)phthalate	ND	125	123	1.6				30 - 130	20
Carbazole	ND	>150	>150	NC				30 - 130	20
Chrysene	0.02	103	95	8.1				30 - 130	20
Dibenz(a,h)anthracene	ND	107	92	15.1				30 - 130	20
Dibenzofuran	ND	95	91	4.3				30 - 130	20
Diethyl phthalate	ND	102	99	3.0				30 - 130	20
Dimethylphthalate	ND	98	86	13.0				30 - 130	20
Di-n-butylphthalate	ND	100	101	1.0				30 - 130	20
Di-n-octylphthalate	ND	116	117	0.9				30 - 130	20
Fluoranthene	ND	91	97	6.4				30 - 130	20
Fluorene	ND	106	102	3.8				30 - 130	20
Hexachlorobenzene	ND	109	108	0.9				30 - 130	20
Hexachlorobutadiene	ND	91	85	6.8				30 - 130	20
Hexachlorocyclopentadiene	ND	81	76	6.4				30 - 130	20
Hexachloroethane	ND	89	81	9.4				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	105	89	16.5				30 - 130	20
Isophorone	ND	103	96	7.0				30 - 130	20
Naphthalene	ND	92	89	3.3				30 - 130	20
Nitrobenzene	ND	93	87	6.7				30 - 130	20
N-Nitrosodimethylamine	ND	62	55	12.0				30 - 130	20
N-Nitrosodi-n-propylamine	ND	102	98	4.0				30 - 130	20
N-Nitrosodiphenylamine	ND	104	109	4.7				30 - 130	20
Pentachloronitrobenzene	ND	109	106	2.8				30 - 130	20
Pentachlorophenol	ND	107	104	2.8				30 - 130	20
Phenanthrene	ND	104	100	3.9				30 - 130	20
Phenol	ND	75	68	9.8				15 - 130	20
Pyrene	ND	87	92	5.6				30 - 130	20
Pyridine	ND	37	33	11.4				30 - 130	20
% 2,4,6-Tribromophenol	102	121	116	4.2				15 - 130	20
% 2-Fluorobiphenyl	82	99	90	9.5				30 - 130	20
% 2-Fluorophenol	74	73	63	14.7				15 - 130	20
% Nitrobenzene-d5	92	95	89	6.5				30 - 130	20

QA/QC Data

SDG I.D.: GBF27773

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% Phenol-d5	79	78	70	10.8				15 - 130	20
% Terphenyl-d14	100	93	99	6.3				30 - 130	20

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.

m = This parameter is outside laboratory ms/msd specified recovery limits.

r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

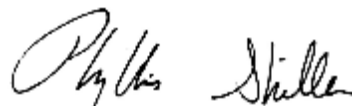
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

August 27, 2013

Sample Criteria Exceedences Report

GBF27773 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BF27773	\$8260GWR	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.4	0.4	ug/L
BF27773	\$8260GWR	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.4	0.4	ug/L
BF27773	\$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BF27773	\$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BF27773	\$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BF27773	\$8270-SIMFSR	Phenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.6	1	1	ug/L
BF27773	\$8270-SIMFSR	Phenol	NY / TOGS - Water Quality / GA Criteria	ND	5.6	1	1	ug/L
BF27773	\$8270-SIMFSR	Bis(2-chloroethyl)ether	NY / TOGS - Water Quality / GA Criteria	ND	5.6	1	1	ug/L
BF27773	\$8270-SIMFSR	Aniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	11	5	5	ug/L
BF27773	\$8270-SIMFSR	Aniline	NY / TOGS - Water Quality / GA Criteria	ND	11	5	5	ug/L
BF27773	\$8270-SIMFSR	2-Chlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BF27773	\$8270-SIMFSR	2-Methylphenol (o-cresol)	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	11	5	5	ug/L
BF27773	\$8270-SIMFSR	2-Methylphenol (o-cresol)	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BF27773	\$8270-SIMFSR	Nitrobenzene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.6	5	5	ug/L
BF27773	\$8270-SIMFSR	Nitrobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.6	0.4	0.4	ug/L
BF27773	\$8270-SIMFSR	2-Nitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	11	5	5	ug/L
BF27773	\$8270-SIMFSR	2-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BF27773	\$8270-SIMFSR	2,4-Dimethylphenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BF27773	\$8270-SIMFSR	2,4-Dimethylphenol	NY / TOGS - Water Quality / GA Criteria	ND	11	5	5	ug/L
BF27773	\$8270-SIMFSR	Bis(2-chloroethoxy)methane	NY / TOGS - Water Quality / GA Criteria	ND	5.6	5	5	ug/L
BF27773	\$8270-SIMFSR	Benzoic acid	NY / TAGM - Volatile Organics / Groundwater Standards	ND	56	50	50	ug/L
BF27773	\$8270-SIMFSR	2,4-Dichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	11	1	1	ug/L
BF27773	\$8270-SIMFSR	2,4-Dichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	11	5	5	ug/L
BF27773	\$8270-SIMFSR	2,4-Dichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BF27773	\$8270-SIMFSR	4-Chloroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	22	5	5	ug/L
BF27773	\$8270-SIMFSR	4-Chloroaniline	NY / TOGS - Water Quality / GA Criteria	ND	22	5	5	ug/L
BF27773	\$8270-SIMFSR	4-Chloro-3-methylphenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	22	5	5	ug/L
BF27773	\$8270-SIMFSR	4-Chloro-3-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	22	1	1	ug/L
BF27773	\$8270-SIMFSR	Hexachlorocyclopentadiene	NY / TOGS - Water Quality / GA Criteria	ND	5.6	5	5	ug/L
BF27773	\$8270-SIMFSR	2,4,6-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BF27773	\$8270-SIMFSR	2,4,5-Trichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	11	1	1	ug/L
BF27773	\$8270-SIMFSR	2,4,5-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BF27773	\$8270-SIMFSR	4-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	22	5	5	ug/L
BF27773	\$8270-SIMFSR	2,6-Dinitrotoluene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.6	5	5	ug/L
BF27773	\$8270-SIMFSR	2,6-Dinitrotoluene	NY / TOGS - Water Quality / GA Criteria	ND	5.6	5	5	ug/L
BF27773	\$8270-SIMFSR	3-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	56	5	5	ug/L
BF27773	\$8270-SIMFSR	3-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	56	5	5	ug/L
BF27773	\$8270-SIMFSR	2,4-Dinitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	56	5	5	ug/L
BF27773	\$8270-SIMFSR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	56	1	1	ug/L
BF27773	\$8270-SIMFSR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	56	5	5	ug/L
BF27773	\$8270-SIMFSR	Dibenzofuran	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.6	5	5	ug/L
BF27773	\$8270-SIMFSR	2,4-Dinitrotoluene	NY / TOGS - Water Quality / GA Criteria	ND	5.6	5	5	ug/L

Sample Criteria Exceedences Report

Requested Criteria: GW

GBF27773 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BF27773	\$8270-SIMFSR	4-Nitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	56	5	5	ug/L
BF27773	\$8270-SIMFSR	4-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	56	1	1	ug/L
BF27773	\$8270-SIMFSR	2-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	56	5	5	ug/L
BF27773	\$8270-SIMFSR	2-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	56	5	5	ug/L
BF27773	\$8270-SIMFSR	4,6-Dinitro-2-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	56	1	1	ug/L
BF27773	\$8270-SIMFSR	Benzidine	NY / TOGS - Water Quality / GA Criteria	ND	56	5	5	ug/L
BF27773	\$8270-SIMFSR	3,3'-Dichlorobenzidine	NY / TOGS - Water Quality / GA Criteria	ND	56	5	5	ug/L
BF27773	\$8270-SIMR	Hexachlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	0.067	0.04	0.04	ug/L
BF27773	\$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.044	0.002	0.002	ug/L
BF27773	\$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.044	0.002	0.002	ug/L
BF27773	\$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.056	0.002	0.002	ug/L
BF27773	\$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.056	0.002	0.002	ug/L
BF27773	\$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.056	0.002	0.002	ug/L
BF27773	\$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.056	0.002	0.002	ug/L
BF27773	\$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.056	0.002	0.002	ug/L
BF27773	\$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.056	0.002	0.002	ug/L
BF27773	\$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.056	0.002	0.002	ug/L
BF27773	\$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.056	0.002	0.002	ug/L
BF27773	\$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.056	0.002	0.002	ug/L
BF27773	\$PEST_GAWR	Chlordane	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND*	0.12	0.1	0.1	ug/L
BF27773	\$PEST_GAWR	Chlordane	NY / TOGS - Water Quality / GA Criteria	ND*	0.12	0.05	0.05	ug/L
BF27773	\$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.06	0.06	ug/L
BF27773	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	0.542	0.010	0.1	0.1	mg/L
BF27773	D-MN	Manganese (Dissolved)	NY / TOGS - Water Quality / GA Criteria	1.95	0.001	0.3	0.3	mg/L
BF27773	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	73.9	1.1	20	20	mg/L
BF27773	D-SB	Antimony (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.005	0.003	0.003	mg/L
BF27773	D-SE	Selenium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.011	0.01	0.01	mg/L
BF27773	D-TL	Thallium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.002	0.0005	0.0005	mg/L
BF27773	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	0.872	0.010	0.3	0.3	mg/L
BF27773	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	1.93	0.001	0.3	0.3	mg/L
BF27773	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	80.1	1.0	20	20	mg/L
BF27773	SB-WM	Antimony	NY / TOGS - Water Quality / GA Criteria	BRL	0.005	0.003	0.003	mg/L
BF27773	TL-WM	Thallium	NY / TOGS - Water Quality / GA Criteria	BRL	0.002	0.0005	0.0005	mg/L

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



NY Temperature Narration

August 27, 2013

SDG I.D.: GBF27773

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)



Tuesday, August 06, 2013

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 555 GRAND ST., BROOKLYN
Sample ID#s: BF14181 - BF14185

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 06, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: AIR
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
07/29/13 11:05
07/31/13 15:15

Laboratory Data

SDG ID: GBF14181
Phoenix ID: BF14181

Project ID: 555 GRAND ST., BROOKLYN
Client ID: SG5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Volatiles (TO15)							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	08/01/13	KCA	TO15 1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	08/01/13	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	08/01/13	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	08/01/13	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	08/01/13	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	08/01/13	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	08/01/13	KCA	TO15
1,2,4-Trimethylbenzene	1.57	0.204	7.71	1.00	08/01/13	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	08/01/13	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	08/01/13	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	08/01/13	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	08/01/13	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	08/01/13	KCA	TO15
1,3,5-Trimethylbenzene	0.38	0.204	1.87	1.00	08/01/13	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	08/01/13	KCA	TO15
1,3-Dichlorobenzene	ND	0.166	ND	1.00	08/01/13	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	08/01/13	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	08/01/13	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	08/01/13	KCA	TO15 1
4-Ethyltoluene	0.33	0.204	1.62	1.00	08/01/13	KCA	TO15 1
4-Isopropyltoluene	ND	0.182	ND	1.00	08/01/13	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	4.38	0.244	17.9	1.00	08/01/13	KCA	TO15
Acetone	1640	0.421	3890	1.00	08/01/13	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	08/01/13	KCA	TO15
Benzene	0.43	0.313	1.37	1.00	08/01/13	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	08/01/13	KCA	TO15
Bromodichloromethane	ND	0.149	ND	1.00	08/01/13	KCA	TO15

Client ID: SG5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromoform	ND	0.097	ND	1.00	08/01/13	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	08/01/13	KCA	TO15
Carbon Disulfide	0.91	0.321	2.83	1.00	08/01/13	KCA	TO15
Carbon Tetrachloride	0.08	0.040	0.503	0.25	08/01/13	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	08/01/13	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	08/01/13	KCA	TO15
Chloroform	0.38	0.205	1.85	1.00	08/01/13	KCA	TO15
Chloromethane	53.4	0.484	110	1.00	08/01/13	KCA	TO15
Cis-1,2-Dichloroethene	0.99	0.252	3.92	1.00	08/01/13	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	08/01/13	KCA	TO15
Cyclohexane	2.59	0.291	8.91	1.00	08/01/13	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	08/01/13	KCA	TO15
Dichlorodifluoromethane	0.43	0.202	2.12	1.00	08/01/13	KCA	TO15
Ethanol	253	0.531	476	1.00	08/01/13	KCA	TO15 1
Ethyl acetate	2.06	0.278	7.42	1.00	08/01/13	KCA	TO15 1
Ethylbenzene	0.23	0.230	0.998	1.00	08/01/13	KCA	TO15
Heptane	0.39	0.244	1.60	1.00	08/01/13	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	08/01/13	KCA	TO15
Hexane	ND	0.284	ND	1.00	08/01/13	KCA	TO15
Isopropylalcohol	9.36	0.407	23.0	1.00	08/01/13	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	08/01/13	KCA	TO15
m,p-Xylene	0.7	0.230	3.04	1.00	08/01/13	KCA	TO15
Methyl Ethyl Ketone	11.2	0.339	33.0	1.00	08/01/13	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	08/01/13	KCA	TO15
Methylene Chloride	0.79	SB 0.288	2.74	1.00	08/01/13	KCA	TO15
n-Butylbenzene	0.21	0.182	1.15	1.00	08/01/13	KCA	TO15 1
o-Xylene	0.3	0.230	1.30	1.00	08/01/13	KCA	TO15
Propylene	23.7	0.581	40.8	1.00	08/01/13	KCA	TO15 1
sec-Butylbenzene	0.19	0.182	1.04	1.00	08/01/13	KCA	TO15 1
Styrene	ND	0.235	ND	1.00	08/01/13	KCA	TO15
Tetrachloroethene	580	0.037	3930	0.25	08/01/13	KCA	TO15
Tetrahydrofuran	4.45	0.339	13.1	1.00	08/01/13	KCA	TO15 1
Toluene	1.41	0.266	5.31	1.00	08/01/13	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	08/01/13	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	08/01/13	KCA	TO15
Trichloroethene	0.73	0.047	3.92	0.25	08/01/13	KCA	TO15
Trichlorofluoromethane	0.23	0.178	1.29	1.00	08/01/13	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	08/01/13	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	08/01/13	KCA	TO15
<u>QA/QC Surrogates</u>							
% Bromofluorobenzene	104	%	104	%	08/01/13	KCA	TO15

Client ID: SG5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

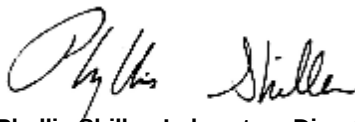
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

August 06, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 06, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: AIR
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
07/29/13 9:25
07/31/13 15:15

Laboratory Data

SDG ID: GBF14181
Phoenix ID: BF14182

Project ID: 555 GRAND ST., BROOKLYN
Client ID: SG2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Volatiles (TO15)							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	08/01/13	KCA	TO15 1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	08/01/13	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	08/01/13	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	08/01/13	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	08/01/13	KCA	TO15
1,1-Dichloroethene	0.41	0.252	1.62	1.00	08/01/13	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	08/01/13	KCA	TO15
1,2,4-Trimethylbenzene	2.71	0.204	13.3	1.00	08/01/13	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	08/01/13	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	08/01/13	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	08/01/13	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	08/01/13	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	08/01/13	KCA	TO15
1,3,5-Trimethylbenzene	0.68	0.204	3.34	1.00	08/01/13	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	08/01/13	KCA	TO15
1,3-Dichlorobenzene	ND	0.166	ND	1.00	08/01/13	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	08/01/13	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	08/01/13	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	08/01/13	KCA	TO15 1
4-Ethyltoluene	0.38	0.204	1.87	1.00	08/01/13	KCA	TO15 1
4-Isopropyltoluene	0.29	0.182	1.59	1.00	08/01/13	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	3.27	0.244	13.4	1.00	08/01/13	KCA	TO15
Acetone	6.73	0.421	16.0	1.00	08/01/13	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	08/01/13	KCA	TO15
Benzene	1.52	0.313	4.85	1.00	08/01/13	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	08/01/13	KCA	TO15
Bromodichloromethane	ND	0.149	ND	1.00	08/01/13	KCA	TO15

Client ID: SG2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromoform	ND	0.097	ND	1.00	08/01/13	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	08/01/13	KCA	TO15
Carbon Disulfide	0.49	0.321	1.52	1.00	08/01/13	KCA	TO15
Carbon Tetrachloride	0.12	0.040	0.754	0.25	08/01/13	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	08/01/13	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	08/01/13	KCA	TO15
Chloroform	51.2	0.205	250	1.00	08/01/13	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	08/01/13	KCA	TO15
Cis-1,2-Dichloroethene	200	0.252	792	1.00	08/01/13	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	08/01/13	KCA	TO15
Cyclohexane	1.55	0.291	5.33	1.00	08/01/13	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	08/01/13	KCA	TO15
Dichlorodifluoromethane	0.4	0.202	1.98	1.00	08/01/13	KCA	TO15
Ethanol	117	0.531	220	1.00	08/01/13	KCA	TO15 1
Ethyl acetate	1.07	0.278	3.85	1.00	08/01/13	KCA	TO15 1
Ethylbenzene	0.33	0.230	1.43	1.00	08/01/13	KCA	TO15
Heptane	0.27	0.244	1.10	1.00	08/01/13	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	08/01/13	KCA	TO15
Hexane	0.76	0.284	2.68	1.00	08/01/13	KCA	TO15
Isopropylalcohol	4.05	0.407	9.95	1.00	08/01/13	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	08/01/13	KCA	TO15
m,p-Xylene	0.9	0.230	3.90	1.00	08/01/13	KCA	TO15
Methyl Ethyl Ketone	1.75	0.339	5.16	1.00	08/01/13	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	08/01/13	KCA	TO15
Methylene Chloride	1.47	SB 0.288	5.10	1.00	08/01/13	KCA	TO15
n-Butylbenzene	0.41	0.182	2.25	1.00	08/01/13	KCA	TO15 1
o-Xylene	0.42	0.230	1.82	1.00	08/01/13	KCA	TO15
Propylene	1.79	0.581	3.08	1.00	08/01/13	KCA	TO15 1
sec-Butylbenzene	0.37	0.182	2.03	1.00	08/01/13	KCA	TO15 1
Styrene	ND	0.235	ND	1.00	08/01/13	KCA	TO15
Tetrachloroethene	1590	0.037	10800	0.25	08/01/13	KCA	TO15
Tetrahydrofuran	3.28	0.339	9.67	1.00	08/01/13	KCA	TO15 1
Toluene	1.84	0.266	6.93	1.00	08/01/13	KCA	TO15
Trans-1,2-Dichloroethene	1.4	0.252	5.55	1.00	08/01/13	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	08/01/13	KCA	TO15
Trichloroethene	70.8	0.047	380	0.25	08/01/13	KCA	TO15
Trichlorofluoromethane	0.24	0.178	1.35	1.00	08/01/13	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	08/01/13	KCA	TO15
Vinyl Chloride	3.53	0.098	9.02	0.25	08/01/13	KCA	TO15
<u>QA/QC Surrogates</u>							
% Bromofluorobenzene	104	%	104	%	08/01/13	KCA	TO15

Client ID: SG2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

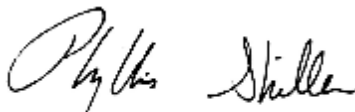
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 06, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 06, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: AIR
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

07/29/13 11:10
07/31/13 15:15

Laboratory Data

SDG ID: GBF14181
Phoenix ID: BF14183

Project ID: 555 GRAND ST., BROOKLYN
Client ID: SG4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Volatiles (TO15)							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	08/01/13	KCA	TO15 1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	08/01/13	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	08/01/13	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	08/01/13	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	08/01/13	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	08/01/13	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	08/01/13	KCA	TO15
1,2,4-Trimethylbenzene	3.07	0.204	15.1	1.00	08/01/13	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	08/01/13	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	08/01/13	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	08/01/13	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	08/01/13	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	08/01/13	KCA	TO15
1,3,5-Trimethylbenzene	0.79	0.204	3.88	1.00	08/01/13	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	08/01/13	KCA	TO15
1,3-Dichlorobenzene	ND	0.166	ND	1.00	08/01/13	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	08/01/13	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	08/01/13	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	08/01/13	KCA	TO15 1
4-Ethyltoluene	0.65	0.204	3.19	1.00	08/01/13	KCA	TO15 1
4-Isopropyltoluene	0.31	0.182	1.70	1.00	08/01/13	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	2.93	0.244	12.0	1.00	08/01/13	KCA	TO15
Acetone	15.1	0.421	35.8	1.00	08/01/13	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	08/01/13	KCA	TO15
Benzene	0.67	0.313	2.14	1.00	08/01/13	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	08/01/13	KCA	TO15
Bromodichloromethane	ND	0.149	ND	1.00	08/01/13	KCA	TO15

Client ID: SG4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromoform	ND	0.097	ND	1.00	08/01/13	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	08/01/13	KCA	TO15
Carbon Disulfide	ND	0.321	ND	1.00	08/01/13	KCA	TO15
Carbon Tetrachloride	0.08	0.040	0.503	0.25	08/01/13	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	08/01/13	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	08/01/13	KCA	TO15
Chloroform	1.03	0.205	5.02	1.00	08/01/13	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	08/01/13	KCA	TO15
Cis-1,2-Dichloroethene	2.74	0.252	10.8	1.00	08/01/13	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	08/01/13	KCA	TO15
Cyclohexane	1.83	0.291	6.30	1.00	08/01/13	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	08/01/13	KCA	TO15
Dichlorodifluoromethane	0.54	0.202	2.67	1.00	08/01/13	KCA	TO15
Ethanol	117	0.531	220	1.00	08/01/13	KCA	TO15 1
Ethyl acetate	1.5	0.278	5.40	1.00	08/01/13	KCA	TO15 1
Ethylbenzene	ND	0.230	ND	1.00	08/01/13	KCA	TO15
Heptane	0.25	0.244	1.02	1.00	08/01/13	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	08/01/13	KCA	TO15
Hexane	1.04	0.284	3.66	1.00	08/01/13	KCA	TO15
Isopropylalcohol	3.26	0.407	8.01	1.00	08/01/13	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	08/01/13	KCA	TO15
m,p-Xylene	0.62	0.230	2.69	1.00	08/01/13	KCA	TO15
Methyl Ethyl Ketone	1.17	0.339	3.45	1.00	08/01/13	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	08/01/13	KCA	TO15
Methylene Chloride	1.93	SB 0.288	6.70	1.00	08/01/13	KCA	TO15
n-Butylbenzene	0.53	0.182	2.91	1.00	08/01/13	KCA	TO15 1
o-Xylene	0.29	0.230	1.26	1.00	08/01/13	KCA	TO15
Propylene	2.58	0.581	4.44	1.00	08/01/13	KCA	TO15 1
sec-Butylbenzene	0.47	0.182	2.58	1.00	08/01/13	KCA	TO15 1
Styrene	ND	0.235	ND	1.00	08/01/13	KCA	TO15
Tetrachloroethene	919	0.037	6230	0.25	08/01/13	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	08/01/13	KCA	TO15 1
Toluene	1.27	0.266	4.78	1.00	08/01/13	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	08/01/13	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	08/01/13	KCA	TO15
Trichloroethene	2.56	0.047	13.7	0.25	08/01/13	KCA	TO15
Trichlorofluoromethane	0.23	0.178	1.29	1.00	08/01/13	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	08/01/13	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	08/01/13	KCA	TO15
<u>QA/QC Surrogates</u>							
% Bromofluorobenzene	103	%	103	%	08/01/13	KCA	TO15

Client ID: SG4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

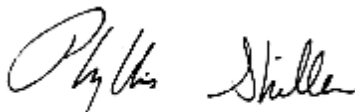
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 06, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 06, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: AIR
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
07/29/13 9:23
07/31/13 15:15

Laboratory Data

SDG ID: GBF14181
Phoenix ID: BF14184

Project ID: 555 GRAND ST., BROOKLYN
Client ID: SG1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Volatiles (TO15)							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	08/01/13	KCA	TO15 1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	08/01/13	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	08/01/13	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	08/01/13	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	08/01/13	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	08/01/13	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	08/01/13	KCA	TO15
1,2,4-Trimethylbenzene	4.75	0.204	23.3	1.00	08/01/13	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	08/01/13	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	08/01/13	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	08/01/13	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	08/01/13	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	08/01/13	KCA	TO15
1,3,5-Trimethylbenzene	1.1	0.204	5.40	1.00	08/01/13	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	08/01/13	KCA	TO15
1,3-Dichlorobenzene	ND	0.166	ND	1.00	08/01/13	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	08/01/13	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	08/01/13	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	08/01/13	KCA	TO15 1
4-Ethyltoluene	0.65	0.204	3.19	1.00	08/01/13	KCA	TO15 1
4-Isopropyltoluene	0.48	0.182	2.63	1.00	08/01/13	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	4.82	0.244	19.7	1.00	08/01/13	KCA	TO15
Acetone	8.6	0.421	20.4	1.00	08/01/13	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	08/01/13	KCA	TO15
Benzene	0.46	0.313	1.47	1.00	08/01/13	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	08/01/13	KCA	TO15
Bromodichloromethane	ND	0.149	ND	1.00	08/01/13	KCA	TO15

Client ID: SG1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromoform	ND	0.097	ND	1.00	08/01/13	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	08/01/13	KCA	TO15
Carbon Disulfide	0.33	0.321	1.03	1.00	08/01/13	KCA	TO15
Carbon Tetrachloride	0.18	0.040	1.13	0.25	08/01/13	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	08/01/13	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	08/01/13	KCA	TO15
Chloroform	26.2	0.205	128	1.00	08/01/13	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	08/01/13	KCA	TO15
Cis-1,2-Dichloroethene	156	0.252	618	1.00	08/01/13	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	08/01/13	KCA	TO15
Cyclohexane	2.35	0.291	8.08	1.00	08/01/13	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	08/01/13	KCA	TO15
Dichlorodifluoromethane	0.47	0.202	2.32	1.00	08/01/13	KCA	TO15
Ethanol	208	0.531	392	1.00	08/01/13	KCA	TO15 1
Ethyl acetate	1.54	0.278	5.54	1.00	08/01/13	KCA	TO15 1
Ethylbenzene	0.27	0.230	1.17	1.00	08/01/13	KCA	TO15
Heptane	ND	0.244	ND	1.00	08/01/13	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	08/01/13	KCA	TO15
Hexane	0.96	0.284	3.38	1.00	08/01/13	KCA	TO15
Isopropylalcohol	4.91	0.407	12.1	1.00	08/01/13	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	08/01/13	KCA	TO15
m,p-Xylene	0.83	0.230	3.60	1.00	08/01/13	KCA	TO15
Methyl Ethyl Ketone	1.88	0.339	5.54	1.00	08/01/13	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	08/01/13	KCA	TO15
Methylene Chloride	1.45	SB 0.288	5.03	1.00	08/01/13	KCA	TO15
n-Butylbenzene	0.85	0.182	4.66	1.00	08/01/13	KCA	TO15 1
o-Xylene	0.41	0.230	1.78	1.00	08/01/13	KCA	TO15
Propylene	0.76	0.581	1.31	1.00	08/01/13	KCA	TO15 1
sec-Butylbenzene	0.78	0.182	4.28	1.00	08/01/13	KCA	TO15 1
Styrene	ND	0.235	ND	1.00	08/01/13	KCA	TO15
Tetrachloroethene	1140	0.037	7730	0.25	08/01/13	KCA	TO15
Tetrahydrofuran	2.48	0.339	7.31	1.00	08/01/13	KCA	TO15 1
Toluene	1.72	0.266	6.48	1.00	08/01/13	KCA	TO15
Trans-1,2-Dichloroethene	1.05	0.252	4.16	1.00	08/01/13	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	08/01/13	KCA	TO15
Trichloroethene	15.8	0.047	84.8	0.25	08/01/13	KCA	TO15
Trichlorofluoromethane	0.24	0.178	1.35	1.00	08/01/13	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	08/01/13	KCA	TO15
Vinyl Chloride	0.39	0.098	0.996	0.25	08/01/13	KCA	TO15
<u>QA/QC Surrogates</u>							
% Bromofluorobenzene	103	%	103	%	08/01/13	KCA	TO15

Client ID: SG1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

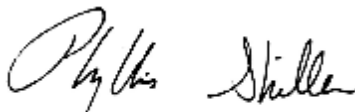
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 06, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 06, 2013

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: AIR
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
07/29/13 11:08
07/31/13 15:15

Laboratory Data

SDG ID: GBF14181
Phoenix ID: BF14185

Project ID: 555 GRAND ST., BROOKLYN
Client ID: SG3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Volatiles (TO15)							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	08/01/13	KCA	TO15 1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	08/01/13	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	08/01/13	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	08/01/13	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	08/01/13	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	08/01/13	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	08/01/13	KCA	TO15
1,2,4-Trimethylbenzene	4.66	0.204	22.9	1.00	08/01/13	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	08/01/13	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	08/01/13	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	08/01/13	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	08/01/13	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	08/01/13	KCA	TO15
1,3,5-Trimethylbenzene	1.17	0.204	5.75	1.00	08/01/13	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	08/01/13	KCA	TO15
1,3-Dichlorobenzene	ND	0.166	ND	1.00	08/01/13	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	08/01/13	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	08/01/13	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	08/01/13	KCA	TO15 1
4-Ethyltoluene	0.92	0.204	4.52	1.00	08/01/13	KCA	TO15 1
4-Isopropyltoluene	0.33	0.182	1.81	1.00	08/01/13	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	6.15	0.244	25.2	1.00	08/01/13	KCA	TO15
Acetone	29.8	0.421	70.7	1.00	08/01/13	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	08/01/13	KCA	TO15
Benzene	3.75	0.313	12.0	1.00	08/01/13	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	08/01/13	KCA	TO15
Bromodichloromethane	ND	0.149	ND	1.00	08/01/13	KCA	TO15

Client ID: SG3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromoform	ND	0.097	ND	1.00	08/01/13	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	08/01/13	KCA	TO15
Carbon Disulfide	1.15	0.321	3.58	1.00	08/01/13	KCA	TO15
Carbon Tetrachloride	0.09	0.040	0.566	0.25	08/01/13	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	08/01/13	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	08/01/13	KCA	TO15
Chloroform	6.53	0.205	31.9	1.00	08/01/13	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	08/01/13	KCA	TO15
Cis-1,2-Dichloroethene	6.28	0.252	24.9	1.00	08/01/13	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	08/01/13	KCA	TO15
Cyclohexane	2.23	0.291	7.67	1.00	08/01/13	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	08/01/13	KCA	TO15
Dichlorodifluoromethane	0.48	0.202	2.37	1.00	08/01/13	KCA	TO15
Ethanol	100	0.531	188	1.00	08/01/13	KCA	TO15 1
Ethyl acetate	0.97	0.278	3.49	1.00	08/01/13	KCA	TO15 1
Ethylbenzene	0.32	0.230	1.39	1.00	08/01/13	KCA	TO15
Heptane	0.32	0.244	1.31	1.00	08/01/13	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	08/01/13	KCA	TO15
Hexane	2.13	0.284	7.50	1.00	08/01/13	KCA	TO15
Isopropylalcohol	2.69	0.407	6.61	1.00	08/01/13	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	08/01/13	KCA	TO15
m,p-Xylene	0.89	0.230	3.86	1.00	08/01/13	KCA	TO15
Methyl Ethyl Ketone	2.94	0.339	8.66	1.00	08/01/13	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	08/01/13	KCA	TO15
Methylene Chloride	2.18	SB 0.288	7.57	1.00	08/01/13	KCA	TO15
n-Butylbenzene	0.49	0.182	2.69	1.00	08/01/13	KCA	TO15 1
o-Xylene	ND	0.230	ND	1.00	08/01/13	KCA	TO15
Propylene	4.29	0.581	7.38	1.00	08/01/13	KCA	TO15 1
sec-Butylbenzene	0.4	0.182	2.19	1.00	08/01/13	KCA	TO15 1
Styrene	ND	0.235	ND	1.00	08/01/13	KCA	TO15
Tetrachloroethene	33600	0.037	228000	0.25	08/01/13	KCA	TO15
Tetrahydrofuran	3.42	0.339	10.1	1.00	08/01/13	KCA	TO15 1
Toluene	2.3	0.266	8.66	1.00	08/01/13	KCA	TO15
Trans-1,2-Dichloroethene	0.31	0.252	1.23	1.00	08/01/13	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	08/01/13	KCA	TO15
Trichloroethene	116	0.047	623	0.25	08/01/13	KCA	TO15
Trichlorofluoromethane	0.26	0.178	1.46	1.00	08/01/13	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	08/01/13	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	08/01/13	KCA	TO15
<u>QA/QC Surrogates</u>							
% Bromofluorobenzene	101	%	101	%	08/01/13	KCA	TO15

Client ID: SG3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

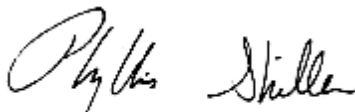
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 06, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

August 06, 2013

QA/QC Data

SDG I.D.: GBF14181

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 243824, QC Sample No: BF14181 (BF14181, BF14182, BF14183, BF14184, BF14185)										
Volatiles										
1,1,1,2-Tetrachloroethane	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
1,1,1-Trichloroethane	ND	ND	96	ND	ND	ND	ND	NC	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
1,1,2-Trichloroethane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethane	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethene	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trichlorobenzene	ND	ND	86	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trimethylbenzene	ND	ND	94	7.71	7.07	1.57	1.44	8.6	70 - 130	20
1,2-Dibromoethane(EDB)	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorobenzene	ND	ND	88	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichloroethane	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20
1,2-dichloropropane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorotetrafluoroethane	ND	ND	93	ND	ND	ND	ND	NC	70 - 130	20
1,3,5-Trimethylbenzene	ND	ND	94	2.01	1.77	0.41	0.36	13.0	70 - 130	20
1,3-Butadiene	ND	ND	91	ND	ND	ND	ND	NC	70 - 130	20
1,3-Dichlorobenzene	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dichlorobenzene	ND	ND	90	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dioxane	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
2-Hexanone(MBK)	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
4-Ethyltoluene	ND	ND	97	1.47	1.23	0.3	0.25	18.2	70 - 130	20
4-Isopropyltoluene	ND	ND	83	ND	ND	ND	ND	NC	70 - 130	20
4-Methyl-2-pentanone(MIBK)	ND	ND	103	17.9	16.7	4.38	4.07	7.3	70 - 130	20
Acetone	ND	ND	93	2240	2230	946	939	0.7	70 - 130	20
Acrylonitrile	ND	ND	105	ND	ND	ND	ND	NC	70 - 130	20
Benzene	ND	ND	95	1.53	1.34	0.48	0.42	13.3	70 - 130	20
Benzyl chloride	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
Bromodichloromethane	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
Bromoform	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
Bromomethane	ND	ND	93	ND	ND	ND	ND	NC	70 - 130	20
Carbon Disulfide	ND	ND	88	2.83	2.74	0.91	0.88	3.4	70 - 130	20
Carbon Tetrachloride	ND	ND	98	0.503	0.503	0.08	0.08	0.0	70 - 130	20
Chlorobenzene	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
Chloroethane	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20
Chloroform	ND	ND	100	1.90	1.85	0.39	0.38	2.6	70 - 130	20
Chloromethane	ND	ND	97	110	110	53.4	53.5	0.2	70 - 130	20
Cis-1,2-Dichloroethene	ND	ND	100	3.92	3.80	0.99	0.96	3.1	70 - 130	20
cis-1,3-Dichloropropene	ND	ND	111	ND	ND	ND	ND	NC	70 - 130	20
Cyclohexane	ND	ND	95	8.91	8.50	2.59	2.47	4.7	70 - 130	20
Dibromochloromethane	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
Dichlorodifluoromethane	ND	ND	93	2.27	2.17	0.46	0.44	4.4	70 - 130	20
Ethanol	ND	ND	121	463	471	246	250	1.6	70 - 130	20

QA/QC Data

SDG I.D.: GBF14181

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethyl acetate	ND	ND	103	7.42	6.99	2.06	1.94	6.0	70 - 130	20
Ethylbenzene	ND	ND	100	1.08	ND	0.25	ND	NC	70 - 130	20
Heptane	ND	ND	100	1.68	1.56	0.41	0.38	7.6	70 - 130	20
Hexachlorobutadiene	ND	ND	78	ND	ND	ND	ND	NC	70 - 130	20
Hexane	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
Isopropylalcohol	ND	ND	87	23.0	23.3	9.36	9.48	1.3	70 - 130	20
Isopropylbenzene	ND	ND	96	ND	ND	ND	ND	NC	70 - 130	20
m,p-Xylene	ND	ND	99	3.47	2.95	0.8	0.68	16.2	70 - 130	20
Methyl Ethyl Ketone	ND	ND	101	33.0	32.7	11.2	11.1	0.9	70 - 130	20
Methyl tert-butyl ether(MTBE)	ND	ND	100	1.04	ND	0.29	ND	NC	70 - 130	20
Methylene Chloride	0.65	2.26	106	2.74	4.89	0.79	1.41	56.4	70 - 130	20
n-Butylbenzene	ND	ND	81	1.15	1.15	0.21	0.21	0.0	70 - 130	20
o-Xylene	ND	ND	98	1.48	1.26	0.34	0.29	15.9	70 - 130	20
Propylene	ND	ND	94	40.8	47.1	23.7	27.4	14.5	70 - 130	20
sec-Butylbenzene	ND	ND	88	1.04	ND	0.19	ND	NC	70 - 130	20
Styrene	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
Tetrachloroethene	ND	ND	96	1290	1250	191	184	3.7	70 - 130	20
Tetrahydrofuran	ND	ND	115	13.1	14.5	4.45	4.93	10.2	70 - 130	20
Toluene	ND	ND	103	5.31	4.93	1.41	1.31	7.4	70 - 130	20
Trans-1,2-Dichloroethene	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20
trans-1,3-Dichloropropene	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
Trichloroethene	ND	ND	104	3.92	3.76	0.73	0.7	4.2	70 - 130	20
Trichlorofluoromethane	ND	ND	94	1.12	1.24	0.2	0.22	9.5	70 - 130	20
Trichlorotrifluoroethane	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
Vinyl Chloride	ND	ND	92	ND	ND	ND	ND	NC	70 - 130	20
% Bromofluorobenzene	83	83	101	104	103	104	103	1.0	70 - 130	20

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director
August 06, 2013

Tuesday, August 06, 2013

Requested Criteria: None

State: NY

Sample Criteria Exceedences Report

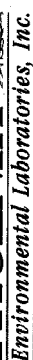
GBF14181 - EBC

Page 1 of 1

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Telephone: 860.845.1102 • Fax: 860.645.0823

AIR ANALYSES

email: greg@phoenixlabs.com

Page 1 of 1

Fax #: Phone #:

Customer:

Ridge, New York

EPIC

Sampled by:

3

Project Name: 555 91 AND X Bldg NY

able;  RCP

MCP

State where samples collected:

THIS SECTION FOR LAB USE ONLY

Accepted by:

Date: _____

Time:

Data Format:

Paradise

7-31-13

12

Excel

EQUIS

Other _____

SPECIAL INSTRUCTIONS, OR REQUIREMENTS, REGULATORY INFORMATION:

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Quote Number:

Date: _____



Thursday, January 09, 2014

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 555 GRAND ST BROOKLYN
Sample ID#s: BF94256 - BF94267, BF94291 - BF94292

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



SDG Comments

January 09, 2014

SDG I.D.: GBF94256

BF94256 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BF94257 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BF94258 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BF94259 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BF94260 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BF94261 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BF94262 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BF94263 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BF94264 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BF94265 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BF94266 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BF94267 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BF94291 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BF94292 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOLID
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

01/02/14
01/02/14

Time

8:30
14:30

Laboratory Data

SDG ID: GBF94256
Phoenix ID: BF94256

Project ID: 555 GRAND ST BROOKLYN
Client ID: 14B4 0-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	01/02/14	W	E160.3

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,1,1-Trichloroethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,1,2-Trichloroethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,1-Dichloroethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,1-Dichloroethene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,1-Dichloropropene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,2,3-Trichloropropane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,2-Dibromoethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,2-Dichlorobenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,2-Dichloroethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,2-Dichloropropane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,3-Dichlorobenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,3-Dichloropropane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
2,2-Dichloropropane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
2-Chlorotoluene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
2-Hexanone	ND	27	ug/Kg	01/02/14	RM	SW8260
2-Isopropyltoluene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
4-Chlorotoluene	ND	5.4	ug/Kg	01/02/14	RM	SW8260

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	27	ug/Kg	01/02/14	RM	SW8260
Acetone	ND	27	ug/Kg	01/02/14	RM	SW8260
Acrylonitrile	ND	11	ug/Kg	01/02/14	RM	SW8260
Benzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Bromobenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Bromochloromethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Bromodichloromethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Bromoform	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Bromomethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Carbon Disulfide	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Carbon tetrachloride	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Chlorobenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Chloroethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Chloroform	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Chloromethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
cis-1,2-Dichloroethene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
cis-1,3-Dichloropropene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Dibromochloromethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Dibromomethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Dichlorodifluoromethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Ethylbenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Hexachlorobutadiene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Isopropylbenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
m&p-Xylene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Methyl Ethyl Ketone	ND	27	ug/Kg	01/02/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	01/02/14	RM	SW8260
Methylene chloride	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Naphthalene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
n-Butylbenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
n-Propylbenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
o-Xylene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
p-Isopropyltoluene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
sec-Butylbenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Styrene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
tert-Butylbenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Tetrachloroethene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	01/02/14	RM	SW8260
Toluene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Total Xylenes	ND	5.4	ug/Kg	01/02/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
trans-1,3-Dichloropropene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	01/02/14	RM	SW8260
Trichloroethene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Trichlorofluoromethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Trichlorotrifluoroethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Vinyl chloride	ND	5.4	ug/Kg	01/02/14	RM	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	107		%	01/02/14	RM	70 - 130 %
% Bromofluorobenzene	90		%	01/02/14	RM	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	105		%	01/02/14	RM	70 - 130 %
% Toluene-d8	97		%	01/02/14	RM	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level

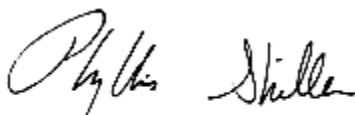
Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 09, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOLID
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

01/02/14
01/02/14

Time

8:40
14:30

Laboratory Data

SDG ID: GBF94256
Phoenix ID: BF94257

Project ID: 555 GRAND ST BROOKLYN
Client ID: 14B4 2-4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	01/02/14	W	E160.3

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,1,1-Trichloroethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,1,2-Trichloroethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,1-Dichloroethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,1-Dichloroethene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,1-Dichloropropene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2,3-Trichloropropane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2-Dibromoethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2-Dichlorobenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2-Dichloroethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2-Dichloropropane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,3-Dichlorobenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,3-Dichloropropane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
2,2-Dichloropropane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
2-Chlorotoluene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
2-Hexanone	ND	27	ug/Kg	01/02/14	RM	SW8260
2-Isopropyltoluene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
4-Chlorotoluene	ND	5.3	ug/Kg	01/02/14	RM	SW8260

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	27	ug/Kg	01/02/14	RM	SW8260
Acetone	ND	27	ug/Kg	01/02/14	RM	SW8260
Acrylonitrile	ND	11	ug/Kg	01/02/14	RM	SW8260
Benzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Bromobenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Bromochloromethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Bromodichloromethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Bromoform	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Bromomethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Carbon Disulfide	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Carbon tetrachloride	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Chlorobenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Chloroethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Chloroform	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Chloromethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
cis-1,2-Dichloroethene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
cis-1,3-Dichloropropene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Dibromochloromethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Dibromomethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Dichlorodifluoromethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Ethylbenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Hexachlorobutadiene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Isopropylbenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
m&p-Xylene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Methyl Ethyl Ketone	ND	27	ug/Kg	01/02/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	01/02/14	RM	SW8260
Methylene chloride	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Naphthalene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
n-Butylbenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
n-Propylbenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
o-Xylene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
p-Isopropyltoluene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
sec-Butylbenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Styrene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
tert-Butylbenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Tetrachloroethene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	01/02/14	RM	SW8260
Toluene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Total Xylenes	ND	5.3	ug/Kg	01/02/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
trans-1,3-Dichloropropene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	01/02/14	RM	SW8260
Trichloroethene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Trichlorofluoromethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Trichlorotrifluoroethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Vinyl chloride	ND	5.3	ug/Kg	01/02/14	RM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	106		%	01/02/14	RM	70 - 130 %
% Bromofluorobenzene	89		%	01/02/14	RM	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	99		%	01/02/14	RM	70 - 130 %
% Toluene-d8	98		%	01/02/14	RM	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level

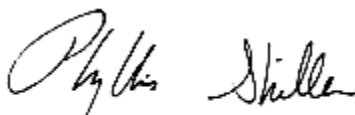
Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 09, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOLID
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

01/02/14
01/02/14

Time

8:50
14:30

Laboratory Data

SDG ID: GBF94256
Phoenix ID: BF94258

Project ID: 555 GRAND ST BROOKLYN
Client ID: 14B5 0-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	01/02/14	W	E160.3

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,1,1-Trichloroethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,1,2-Trichloroethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,1-Dichloroethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,1-Dichloroethene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,1-Dichloropropene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2,3-Trichloropropane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2-Dibromoethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2-Dichlorobenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2-Dichloroethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2-Dichloropropane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,3-Dichlorobenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,3-Dichloropropane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
2,2-Dichloropropane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
2-Chlorotoluene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
2-Hexanone	ND	27	ug/Kg	01/02/14	RM	SW8260
2-Isopropyltoluene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
4-Chlorotoluene	ND	5.3	ug/Kg	01/02/14	RM	SW8260

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	27	ug/Kg	01/02/14	RM	SW8260
Acetone	ND	27	ug/Kg	01/02/14	RM	SW8260
Acrylonitrile	ND	11	ug/Kg	01/02/14	RM	SW8260
Benzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Bromobenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Bromochloromethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Bromodichloromethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Bromoform	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Bromomethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Carbon Disulfide	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Carbon tetrachloride	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Chlorobenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Chloroethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Chloroform	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Chloromethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
cis-1,2-Dichloroethene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
cis-1,3-Dichloropropene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Dibromochloromethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Dibromomethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Dichlorodifluoromethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Ethylbenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Hexachlorobutadiene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Isopropylbenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
m&p-Xylene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Methyl Ethyl Ketone	ND	27	ug/Kg	01/02/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	01/02/14	RM	SW8260
Methylene chloride	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Naphthalene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
n-Butylbenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
n-Propylbenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
o-Xylene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
p-Isopropyltoluene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
sec-Butylbenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Styrene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
tert-Butylbenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Tetrachloroethene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	01/02/14	RM	SW8260
Toluene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Total Xylenes	ND	5.3	ug/Kg	01/02/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
trans-1,3-Dichloropropene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	01/02/14	RM	SW8260
Trichloroethene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Trichlorofluoromethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Trichlorotrifluoroethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Vinyl chloride	ND	5.3	ug/Kg	01/02/14	RM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	103		%	01/02/14	RM	70 - 130 %
% Bromofluorobenzene	94		%	01/02/14	RM	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	98		%	01/02/14	RM	70 - 130 %
% Toluene-d8	97		%	01/02/14	RM	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level

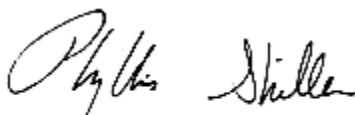
Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 09, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOLID
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

01/02/14
01/02/14

Time

9:00
14:30

Laboratory Data

SDG ID: GBF94256
Phoenix ID: BF94259

Project ID: 555 GRAND ST BROOKLYN
Client ID: 14B5 2-4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	01/02/14	W	E160.3

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1,1-Trichloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1,2-Trichloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1-Dichloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1-Dichloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1-Dichloropropene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2,3-Trichloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dibromoethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dichloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dichloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,3-Dichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,3-Dichloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
2,2-Dichloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
2-Chlorotoluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
2-Hexanone	ND	27	ug/Kg	01/03/14	RM	SW8260
2-Isopropyltoluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
4-Chlorotoluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	27	ug/Kg	01/03/14	RM	SW8260
Acetone	ND	27	ug/Kg	01/03/14	RM	SW8260
Acrylonitrile	ND	11	ug/Kg	01/03/14	RM	SW8260
Benzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromochloromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromodichloromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromoform	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromomethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Carbon Disulfide	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Carbon tetrachloride	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Chlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Chloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Chloroform	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Chloromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
cis-1,2-Dichloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
cis-1,3-Dichloropropene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Dibromochloromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Dibromomethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Dichlorodifluoromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Ethylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Hexachlorobutadiene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Isopropylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
m&p-Xylene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Methyl Ethyl Ketone	ND	27	ug/Kg	01/03/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	01/03/14	RM	SW8260
Methylene chloride	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Naphthalene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
n-Butylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
n-Propylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
o-Xylene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
p-Isopropyltoluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
sec-Butylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Styrene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
tert-Butylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Tetrachloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	01/03/14	RM	SW8260
Toluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Total Xylenes	ND	5.4	ug/Kg	01/03/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
trans-1,3-Dichloropropene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	01/03/14	RM	SW8260
Trichloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Trichlorofluoromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Trichlorotrifluoroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Vinyl chloride	ND	5.4	ug/Kg	01/03/14	RM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	100		%	01/03/14	RM	70 - 130 %
% Bromofluorobenzene	97		%	01/03/14	RM	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	101		%	01/03/14	RM	70 - 130 %
% Toluene-d8	100		%	01/03/14	RM	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level

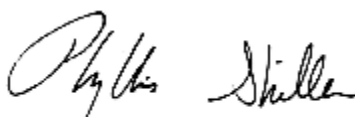
Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 09, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOLID
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

01/02/14
01/02/14

Time

9:10
14:30

Laboratory Data

SDG ID: GBF94256
Phoenix ID: BF94260

Project ID: 555 GRAND ST BROOKLYN
Client ID: 14B6 0-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	01/02/14	W	E160.3

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,1,1-Trichloroethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,1,2-Trichloroethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,1-Dichloroethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,1-Dichloroethene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,1-Dichloropropene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,2,3-Trichloropropane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,2-Dibromoethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,2-Dichlorobenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,2-Dichloroethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,2-Dichloropropane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,3-Dichlorobenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,3-Dichloropropane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
2,2-Dichloropropane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
2-Chlorotoluene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
2-Hexanone	ND	27	ug/Kg	01/02/14	RM	SW8260
2-Isopropyltoluene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
4-Chlorotoluene	ND	5.4	ug/Kg	01/02/14	RM	SW8260

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	27	ug/Kg	01/02/14	RM	SW8260
Acetone	ND	27	ug/Kg	01/02/14	RM	SW8260
Acrylonitrile	ND	11	ug/Kg	01/02/14	RM	SW8260
Benzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Bromobenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Bromochloromethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Bromodichloromethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Bromoform	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Bromomethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Carbon Disulfide	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Carbon tetrachloride	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Chlorobenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Chloroethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Chloroform	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Chloromethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
cis-1,2-Dichloroethene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
cis-1,3-Dichloropropene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Dibromochloromethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Dibromomethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Dichlorodifluoromethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Ethylbenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Hexachlorobutadiene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Isopropylbenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
m&p-Xylene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Methyl Ethyl Ketone	ND	27	ug/Kg	01/02/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	01/02/14	RM	SW8260
Methylene chloride	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Naphthalene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
n-Butylbenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
n-Propylbenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
o-Xylene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
p-Isopropyltoluene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
sec-Butylbenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Styrene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
tert-Butylbenzene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Tetrachloroethene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	01/02/14	RM	SW8260
Toluene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Total Xylenes	ND	5.4	ug/Kg	01/02/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
trans-1,3-Dichloropropene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	01/02/14	RM	SW8260
Trichloroethene	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Trichlorofluoromethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Trichlorotrifluoroethane	ND	5.4	ug/Kg	01/02/14	RM	SW8260
Vinyl chloride	ND	5.4	ug/Kg	01/02/14	RM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	108		%	01/02/14	RM	70 - 130 %
% Bromofluorobenzene	90		%	01/02/14	RM	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	99		%	01/02/14	RM	70 - 130 %
% Toluene-d8	98		%	01/02/14	RM	70 - 130 %

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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level

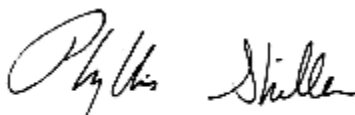
Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 09, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOLID
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

01/02/14
01/02/14

Time

9:20
14:30

Laboratory Data

SDG ID: GBF94256
Phoenix ID: BF94261

Project ID: 555 GRAND ST BROOKLYN
Client ID: 14B6 2-4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	01/02/14	W	E160.3

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,1,1-Trichloroethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,1,2-Trichloroethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,1-Dichloroethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,1-Dichloroethene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,1-Dichloropropene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2,3-Trichloropropane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2-Dibromoethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2-Dichlorobenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2-Dichloroethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,2-Dichloropropane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,3-Dichlorobenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,3-Dichloropropane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
2,2-Dichloropropane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
2-Chlorotoluene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
2-Hexanone	ND	27	ug/Kg	01/02/14	RM	SW8260
2-Isopropyltoluene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
4-Chlorotoluene	ND	5.3	ug/Kg	01/02/14	RM	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	27	ug/Kg	01/02/14	RM	SW8260
Acetone	ND	27	ug/Kg	01/02/14	RM	SW8260
Acrylonitrile	ND	11	ug/Kg	01/02/14	RM	SW8260
Benzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Bromobenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Bromochloromethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Bromodichloromethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Bromoform	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Bromomethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Carbon Disulfide	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Carbon tetrachloride	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Chlorobenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Chloroethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Chloroform	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Chloromethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
cis-1,2-Dichloroethene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
cis-1,3-Dichloropropene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Dibromochloromethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Dibromomethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Dichlorodifluoromethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Ethylbenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Hexachlorobutadiene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Isopropylbenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
m&p-Xylene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Methyl Ethyl Ketone	ND	27	ug/Kg	01/02/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	01/02/14	RM	SW8260
Methylene chloride	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Naphthalene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
n-Butylbenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
n-Propylbenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
o-Xylene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
p-Isopropyltoluene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
sec-Butylbenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Styrene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
tert-Butylbenzene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Tetrachloroethene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	01/02/14	RM	SW8260
Toluene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Total Xylenes	ND	5.3	ug/Kg	01/02/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
trans-1,3-Dichloropropene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	01/02/14	RM	SW8260
Trichloroethene	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Trichlorofluoromethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Trichlorotrifluoroethane	ND	5.3	ug/Kg	01/02/14	RM	SW8260
Vinyl chloride	ND	5.3	ug/Kg	01/02/14	RM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	103		%	01/02/14	RM	70 - 130 %
% Bromofluorobenzene	95		%	01/02/14	RM	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	100		%	01/02/14	RM	70 - 130 %
% Toluene-d8	98		%	01/02/14	RM	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level

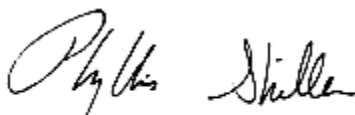
Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 09, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOLID
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

01/02/14
01/02/14

Time

9:30
14:30

Laboratory Data

SDG ID: GBF94256
Phoenix ID: BF94262

Project ID: 555 GRAND ST BROOKLYN
Client ID: 14B7 0-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	91		%	01/02/14	W	E160.3

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,1,1-Trichloroethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,1,2-Trichloroethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,1-Dichloroethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,1-Dichloroethene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,1-Dichloropropene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,2,3-Trichloropropane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,2-Dibromoethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,2-Dichlorobenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,2-Dichloroethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,2-Dichloropropane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,3-Dichlorobenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,3-Dichloropropane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
2,2-Dichloropropane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
2-Chlorotoluene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
2-Hexanone	ND	27	ug/Kg	01/02/14	RM	SW8260
2-Isopropyltoluene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
4-Chlorotoluene	ND	5.5	ug/Kg	01/02/14	RM	SW8260

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	27	ug/Kg	01/02/14	RM	SW8260
Acetone	ND	27	ug/Kg	01/02/14	RM	SW8260
Acrylonitrile	ND	11	ug/Kg	01/02/14	RM	SW8260
Benzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Bromobenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Bromochloromethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Bromodichloromethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Bromoform	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Bromomethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Carbon Disulfide	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Carbon tetrachloride	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Chlorobenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Chloroethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Chloroform	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Chloromethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
cis-1,2-Dichloroethene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Dibromochloromethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Dibromomethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Dichlorodifluoromethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Ethylbenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Hexachlorobutadiene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Isopropylbenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
m&p-Xylene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Methyl Ethyl Ketone	ND	27	ug/Kg	01/02/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	01/02/14	RM	SW8260
Methylene chloride	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Naphthalene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
n-Butylbenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
n-Propylbenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
o-Xylene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
p-Isopropyltoluene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
sec-Butylbenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Styrene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
tert-Butylbenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Tetrachloroethene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	01/02/14	RM	SW8260
Toluene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Total Xylenes	ND	5.5	ug/Kg	01/02/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	01/02/14	RM	SW8260
Trichloroethene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Trichlorofluoromethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Trichlorotrifluoroethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Vinyl chloride	ND	5.5	ug/Kg	01/02/14	RM	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	100		%	01/02/14	RM	70 - 130 %
% Bromofluorobenzene	96		%	01/02/14	RM	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	99		%	01/02/14	RM	70 - 130 %
% Toluene-d8	98		%	01/02/14	RM	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level

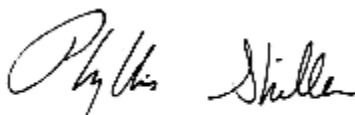
Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 09, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOLID
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

01/02/14
01/02/14

Time

9:40
14:30

Laboratory Data

SDG ID: GBF94256
Phoenix ID: BF94263

Project ID: 555 GRAND ST BROOKLYN
Client ID: 14B7 2-4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	91		%	01/02/14	W	E160.3

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,1,1-Trichloroethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,1,2-Trichloroethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,1-Dichloroethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,1-Dichloroethene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,1-Dichloropropene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,2,3-Trichloropropane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,2-Dibromoethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,2-Dichlorobenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,2-Dichloroethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,2-Dichloropropane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,3-Dichlorobenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,3-Dichloropropane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
2,2-Dichloropropane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
2-Chlorotoluene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
2-Hexanone	ND	27	ug/Kg	01/02/14	RM	SW8260
2-Isopropyltoluene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
4-Chlorotoluene	ND	5.5	ug/Kg	01/02/14	RM	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	27	ug/Kg	01/02/14	RM	SW8260
Acetone	ND	27	ug/Kg	01/02/14	RM	SW8260
Acrylonitrile	ND	11	ug/Kg	01/02/14	RM	SW8260
Benzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Bromobenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Bromochloromethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Bromodichloromethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Bromoform	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Bromomethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Carbon Disulfide	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Carbon tetrachloride	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Chlorobenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Chloroethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Chloroform	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Chloromethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
cis-1,2-Dichloroethene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Dibromochloromethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Dibromomethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Dichlorodifluoromethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Ethylbenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Hexachlorobutadiene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Isopropylbenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
m&p-Xylene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Methyl Ethyl Ketone	ND	27	ug/Kg	01/02/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	01/02/14	RM	SW8260
Methylene chloride	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Naphthalene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
n-Butylbenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
n-Propylbenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
o-Xylene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
p-Isopropyltoluene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
sec-Butylbenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Styrene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
tert-Butylbenzene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Tetrachloroethene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	01/02/14	RM	SW8260
Toluene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Total Xylenes	ND	5.5	ug/Kg	01/02/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	01/02/14	RM	SW8260
Trichloroethene	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Trichlorofluoromethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Trichlorotrifluoroethane	ND	5.5	ug/Kg	01/02/14	RM	SW8260
Vinyl chloride	ND	5.5	ug/Kg	01/02/14	RM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	101		%	01/02/14	RM	70 - 130 %
% Bromofluorobenzene	96		%	01/02/14	RM	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	102		%	01/02/14	RM	70 - 130 %
% Toluene-d8	100		%	01/02/14	RM	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level

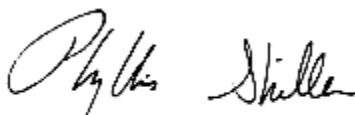
Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 09, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOLID
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

01/02/14
01/02/14

Time

9:50
14:30

Laboratory Data

SDG ID: GBF94256
Phoenix ID: BF94264

Project ID: 555 GRAND ST BROOKLYN
Client ID: 14B8 0-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	91		%	01/02/14	W	E160.3

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	01/03/14	RM	SW8260
1,1,1-Trichloroethane	ND	5.5	ug/Kg	01/03/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5	ug/Kg	01/03/14	RM	SW8260
1,1,2-Trichloroethane	ND	5.5	ug/Kg	01/03/14	RM	SW8260
1,1-Dichloroethane	ND	5.5	ug/Kg	01/03/14	RM	SW8260
1,1-Dichloroethene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
1,1-Dichloropropene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
1,2,3-Trichloropropane	ND	5.5	ug/Kg	01/03/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.5	ug/Kg	01/03/14	RM	SW8260
1,2-Dibromoethane	ND	5.5	ug/Kg	01/03/14	RM	SW8260
1,2-Dichlorobenzene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
1,2-Dichloroethane	ND	5.5	ug/Kg	01/03/14	RM	SW8260
1,2-Dichloropropane	ND	5.5	ug/Kg	01/03/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
1,3-Dichlorobenzene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
1,3-Dichloropropane	ND	5.5	ug/Kg	01/03/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
2,2-Dichloropropane	ND	5.5	ug/Kg	01/03/14	RM	SW8260
2-Chlorotoluene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
2-Hexanone	ND	27	ug/Kg	01/03/14	RM	SW8260
2-Isopropyltoluene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
4-Chlorotoluene	ND	5.5	ug/Kg	01/03/14	RM	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	27	ug/Kg	01/03/14	RM	SW8260
Acetone	ND	27	ug/Kg	01/03/14	RM	SW8260
Acrylonitrile	ND	11	ug/Kg	01/03/14	RM	SW8260
Benzene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Bromobenzene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Bromochloromethane	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Bromodichloromethane	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Bromoform	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Bromomethane	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Carbon Disulfide	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Carbon tetrachloride	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Chlorobenzene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Chloroethane	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Chloroform	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Chloromethane	ND	5.5	ug/Kg	01/03/14	RM	SW8260
cis-1,2-Dichloroethene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Dibromochloromethane	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Dibromomethane	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Dichlorodifluoromethane	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Ethylbenzene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Hexachlorobutadiene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Isopropylbenzene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
m&p-Xylene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Methyl Ethyl Ketone	ND	27	ug/Kg	01/03/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	01/03/14	RM	SW8260
Methylene chloride	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Naphthalene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
n-Butylbenzene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
n-Propylbenzene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
o-Xylene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
p-Isopropyltoluene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
sec-Butylbenzene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Styrene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
tert-Butylbenzene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Tetrachloroethene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	01/03/14	RM	SW8260
Toluene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Total Xylenes	ND	5.5	ug/Kg	01/03/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	01/03/14	RM	SW8260
Trichloroethene	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Trichlorofluoromethane	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Trichlorotrifluoroethane	ND	5.5	ug/Kg	01/03/14	RM	SW8260
Vinyl chloride	ND	5.5	ug/Kg	01/03/14	RM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	107		%	01/03/14	RM	70 - 130 %
% Bromofluorobenzene	88		%	01/03/14	RM	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	102		%	01/03/14	RM	70 - 130 %
% Toluene-d8	98		%	01/03/14	RM	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level

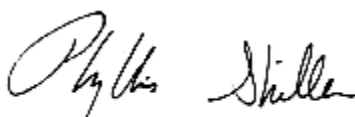
Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 09, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOLID
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

01/02/14
01/02/14

Time

10:00
14:30

Laboratory Data

SDG ID: GBF94256
Phoenix ID: BF94265

Project ID: 555 GRAND ST BROOKLYN
Client ID: 14B8 2-4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	01/02/14	W	E160.3

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1,1-Trichloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1,2-Trichloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1-Dichloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1-Dichloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1-Dichloropropene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2,3-Trichloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dibromoethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dichloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dichloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,3-Dichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,3-Dichloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
2,2-Dichloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
2-Chlorotoluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
2-Hexanone	ND	27	ug/Kg	01/03/14	RM	SW8260
2-Isopropyltoluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
4-Chlorotoluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	27	ug/Kg	01/03/14	RM	SW8260
Acetone	ND	27	ug/Kg	01/03/14	RM	SW8260
Acrylonitrile	ND	11	ug/Kg	01/03/14	RM	SW8260
Benzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromochloromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromodichloromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromoform	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromomethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Carbon Disulfide	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Carbon tetrachloride	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Chlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Chloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Chloroform	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Chloromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
cis-1,2-Dichloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
cis-1,3-Dichloropropene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Dibromochloromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Dibromomethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Dichlorodifluoromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Ethylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Hexachlorobutadiene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Isopropylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
m&p-Xylene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Methyl Ethyl Ketone	ND	27	ug/Kg	01/03/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	01/03/14	RM	SW8260
Methylene chloride	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Naphthalene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
n-Butylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
n-Propylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
o-Xylene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
p-Isopropyltoluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
sec-Butylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Styrene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
tert-Butylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Tetrachloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	01/03/14	RM	SW8260
Toluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Total Xylenes	ND	5.4	ug/Kg	01/03/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
trans-1,3-Dichloropropene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	01/03/14	RM	SW8260
Trichloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Trichlorofluoromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Trichlorotrifluoroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Vinyl chloride	ND	5.4	ug/Kg	01/03/14	RM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	102		%	01/03/14	RM	70 - 130 %
% Bromofluorobenzene	95		%	01/03/14	RM	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	102		%	01/03/14	RM	70 - 130 %
% Toluene-d8	100		%	01/03/14	RM	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level

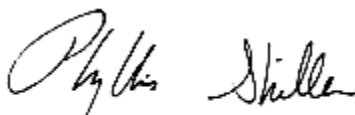
Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 09, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOLID
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

01/02/14
01/02/14

Time

10:10
14:30

Laboratory Data

SDG ID: GBF94256
Phoenix ID: BF94266

Project ID: 555 GRAND ST BROOKLYN
Client ID: 14B9 0-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	01/02/14	W	E160.3

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1,1-Trichloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1,2-Trichloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1-Dichloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1-Dichloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1-Dichloropropene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2,3-Trichloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dibromoethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dichloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dichloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,3-Dichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,3-Dichloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
2,2-Dichloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
2-Chlorotoluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
2-Hexanone	ND	27	ug/Kg	01/03/14	RM	SW8260
2-Isopropyltoluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
4-Chlorotoluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	27	ug/Kg	01/03/14	RM	SW8260
Acetone	ND	27	ug/Kg	01/03/14	RM	SW8260
Acrylonitrile	ND	11	ug/Kg	01/03/14	RM	SW8260
Benzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromochloromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromodichloromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromoform	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromomethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Carbon Disulfide	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Carbon tetrachloride	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Chlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Chloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Chloroform	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Chloromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
cis-1,2-Dichloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
cis-1,3-Dichloropropene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Dibromochloromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Dibromomethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Dichlorodifluoromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Ethylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Hexachlorobutadiene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Isopropylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
m&p-Xylene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Methyl Ethyl Ketone	ND	27	ug/Kg	01/03/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	01/03/14	RM	SW8260
Methylene chloride	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Naphthalene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
n-Butylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
n-Propylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
o-Xylene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
p-Isopropyltoluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
sec-Butylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Styrene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
tert-Butylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Tetrachloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	01/03/14	RM	SW8260
Toluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Total Xylenes	ND	5.4	ug/Kg	01/03/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
trans-1,3-Dichloropropene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	01/03/14	RM	SW8260
Trichloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Trichlorofluoromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Trichlorotrifluoroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Vinyl chloride	ND	5.4	ug/Kg	01/03/14	RM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	103		%	01/03/14	RM	70 - 130 %
% Bromofluorobenzene	95		%	01/03/14	RM	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	103		%	01/03/14	RM	70 - 130 %
% Toluene-d8	99		%	01/03/14	RM	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level

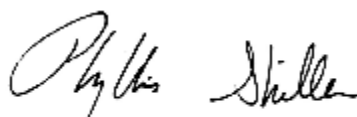
Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 09, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOLID
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

01/02/14
01/02/14

Time

10:20
14:30

Laboratory Data

SDG ID: GBF94256
Phoenix ID: BF94267

Project ID: 555 GRAND ST BROOKLYN
Client ID: 14B9 2-4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	01/02/14	W	E160.3

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1,1-Trichloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1,2-Trichloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1-Dichloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1-Dichloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1-Dichloropropene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2,3-Trichloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dibromoethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dichloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dichloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,3-Dichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,3-Dichloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
2,2-Dichloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
2-Chlorotoluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
2-Hexanone	ND	27	ug/Kg	01/03/14	RM	SW8260
2-Isopropyltoluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
4-Chlorotoluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	27	ug/Kg	01/03/14	RM	SW8260
Acetone	ND	27	ug/Kg	01/03/14	RM	SW8260
Acrylonitrile	ND	11	ug/Kg	01/03/14	RM	SW8260
Benzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromochloromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromodichloromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromoform	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromomethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Carbon Disulfide	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Carbon tetrachloride	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Chlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Chloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Chloroform	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Chloromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
cis-1,2-Dichloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
cis-1,3-Dichloropropene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Dibromochloromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Dibromomethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Dichlorodifluoromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Ethylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Hexachlorobutadiene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Isopropylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
m&p-Xylene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Methyl Ethyl Ketone	ND	27	ug/Kg	01/03/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	01/03/14	RM	SW8260
Methylene chloride	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Naphthalene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
n-Butylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
n-Propylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
o-Xylene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
p-Isopropyltoluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
sec-Butylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Styrene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
tert-Butylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Tetrachloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	01/03/14	RM	SW8260
Toluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Total Xylenes	ND	5.4	ug/Kg	01/03/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
trans-1,3-Dichloropropene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	01/03/14	RM	SW8260
Trichloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Trichlorofluoromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Trichlorotrifluoroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Vinyl chloride	ND	5.4	ug/Kg	01/03/14	RM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	102		%	01/03/14	RM	70 - 130 %
% Bromofluorobenzene	94		%	01/03/14	RM	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	102		%	01/03/14	RM	70 - 130 %
% Toluene-d8	100		%	01/03/14	RM	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level

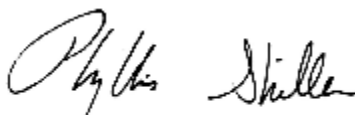
Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 09, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOLID
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

01/02/14
01/02/14

Time

10:30
14:30

Laboratory Data

SDG ID: GBF94256
Phoenix ID: BF94291

Project ID: 555 GRAND ST BROOKLYN
Client ID: 14 B10 0-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	01/02/14	W	E160.3

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.8	ug/Kg	01/03/14	RM	SW8260
1,1,1-Trichloroethane	ND	5.8	ug/Kg	01/03/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.8	ug/Kg	01/03/14	RM	SW8260
1,1,2-Trichloroethane	ND	5.8	ug/Kg	01/03/14	RM	SW8260
1,1-Dichloroethane	ND	5.8	ug/Kg	01/03/14	RM	SW8260
1,1-Dichloroethene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
1,1-Dichloropropene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
1,2,3-Trichloropropane	ND	5.8	ug/Kg	01/03/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.8	ug/Kg	01/03/14	RM	SW8260
1,2-Dibromoethane	ND	5.8	ug/Kg	01/03/14	RM	SW8260
1,2-Dichlorobenzene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
1,2-Dichloroethane	ND	5.8	ug/Kg	01/03/14	RM	SW8260
1,2-Dichloropropane	ND	5.8	ug/Kg	01/03/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
1,3-Dichlorobenzene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
1,3-Dichloropropane	ND	5.8	ug/Kg	01/03/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
2,2-Dichloropropane	ND	5.8	ug/Kg	01/03/14	RM	SW8260
2-Chlorotoluene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
2-Hexanone	ND	29	ug/Kg	01/03/14	RM	SW8260
2-Isopropyltoluene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
4-Chlorotoluene	ND	5.8	ug/Kg	01/03/14	RM	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	29	ug/Kg	01/03/14	RM	SW8260
Acetone	ND	29	ug/Kg	01/03/14	RM	SW8260
Acrylonitrile	ND	12	ug/Kg	01/03/14	RM	SW8260
Benzene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Bromobenzene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Bromochloromethane	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Bromodichloromethane	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Bromoform	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Bromomethane	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Carbon Disulfide	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Carbon tetrachloride	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Chlorobenzene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Chloroethane	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Chloroform	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Chloromethane	ND	5.8	ug/Kg	01/03/14	RM	SW8260
cis-1,2-Dichloroethene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
cis-1,3-Dichloropropene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Dibromochloromethane	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Dibromomethane	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Dichlorodifluoromethane	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Ethylbenzene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Hexachlorobutadiene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Isopropylbenzene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
m&p-Xylene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Methyl Ethyl Ketone	ND	29	ug/Kg	01/03/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	01/03/14	RM	SW8260
Methylene chloride	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Naphthalene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
n-Butylbenzene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
n-Propylbenzene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
o-Xylene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
p-Isopropyltoluene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
sec-Butylbenzene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Styrene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
tert-Butylbenzene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Tetrachloroethene	6.4	5.8	ug/Kg	01/03/14	RM	SW8260
Tetrahydrofuran (THF)	ND	12	ug/Kg	01/03/14	RM	SW8260
Toluene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Total Xylenes	ND	5.8	ug/Kg	01/03/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
trans-1,3-Dichloropropene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	01/03/14	RM	SW8260
Trichloroethene	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Trichlorofluoromethane	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Trichlorotrifluoroethane	ND	5.8	ug/Kg	01/03/14	RM	SW8260
Vinyl chloride	ND	5.8	ug/Kg	01/03/14	RM	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	113		%	01/03/14	RM	70 - 130 %
% Bromofluorobenzene	82		%	01/03/14	RM	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	106		%	01/03/14	RM	70 - 130 %
% Toluene-d8	98		%	01/03/14	RM	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level

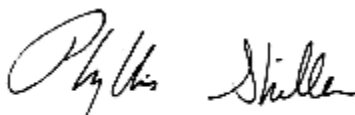
Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 09, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 09, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOLID
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

01/02/14
01/02/14

Time

10:40
14:30

Laboratory Data

SDG ID: GBF94256
Phoenix ID: BF94292

Project ID: 555 GRAND ST BROOKLYN
Client ID: 14 B10 2-4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	01/02/14	W	E160.3

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1,1-Trichloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1,2-Trichloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1-Dichloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1-Dichloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,1-Dichloropropene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2,3-Trichloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dibromoethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dichloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,2-Dichloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,3-Dichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,3-Dichloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
2,2-Dichloropropane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
2-Chlorotoluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
2-Hexanone	ND	27	ug/Kg	01/03/14	RM	SW8260
2-Isopropyltoluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
4-Chlorotoluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	27	ug/Kg	01/03/14	RM	SW8260
Acetone	ND	27	ug/Kg	01/03/14	RM	SW8260
Acrylonitrile	ND	11	ug/Kg	01/03/14	RM	SW8260
Benzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromochloromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromodichloromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromoform	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Bromomethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Carbon Disulfide	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Carbon tetrachloride	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Chlorobenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Chloroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Chloroform	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Chloromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
cis-1,2-Dichloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
cis-1,3-Dichloropropene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Dibromochloromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Dibromomethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Dichlorodifluoromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Ethylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Hexachlorobutadiene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Isopropylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
m&p-Xylene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Methyl Ethyl Ketone	ND	27	ug/Kg	01/03/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	01/03/14	RM	SW8260
Methylene chloride	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Naphthalene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
n-Butylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
n-Propylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
o-Xylene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
p-Isopropyltoluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
sec-Butylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Styrene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
tert-Butylbenzene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Tetrachloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	01/03/14	RM	SW8260
Toluene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Total Xylenes	ND	5.4	ug/Kg	01/03/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
trans-1,3-Dichloropropene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	01/03/14	RM	SW8260
Trichloroethene	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Trichlorofluoromethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Trichlorotrifluoroethane	ND	5.4	ug/Kg	01/03/14	RM	SW8260
Vinyl chloride	ND	5.4	ug/Kg	01/03/14	RM	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	104		%	01/03/14	RM	70 - 130 %
% Bromofluorobenzene	94		%	01/03/14	RM	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	101		%	01/03/14	RM	70 - 130 %
% Toluene-d8	98		%	01/03/14	RM	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level

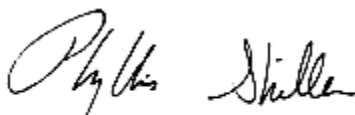
Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

January 09, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

January 09, 2014

QA/QC Data

SDG I.D.: GBF94256

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 263620, QC Sample No: BF93571 (BF94256, BF94257, BF94258, BF94260, BF94261, BF94262, BF94263)									
Volatiles - Solid									
1,1,1,2-Tetrachloroethane	ND	104	110	5.6	91	87	4.5	70 - 130	30
1,1,1-Trichloroethane	ND	100	102	2.0	106	95	10.9	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	99	101	2.0	94	91	3.2	70 - 130	30
1,1,2-Trichloroethane	ND	101	106	4.8	90	87	3.4	70 - 130	30
1,1-Dichloroethane	ND	98	100	2.0	101	94	7.2	70 - 130	30
1,1-Dichloroethene	ND	93	94	1.1	107	96	10.8	70 - 130	30
1,1-Dichloropropene	ND	95	99	4.1	107	91	16.2	70 - 130	30
1,2,3-Trichlorobenzene	ND	108	108	0.0	109	105	3.7	70 - 130	30
1,2,3-Trichloropropane	ND	95	96	1.0	92	109	16.9	70 - 130	30
1,2,4-Trichlorobenzene	ND	110	110	0.0	114	108	5.4	70 - 130	30
1,2,4-Trimethylbenzene	ND	108	110	1.8	88	78	12.0	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	111	113	1.8	90	84	6.9	70 - 130	30
1,2-Dibromoethane	ND	101	103	2.0	89	84	5.8	70 - 130	30
1,2-Dichlorobenzene	ND	101	104	2.9	105	104	1.0	70 - 130	30
1,2-Dichloroethane	ND	98	99	1.0	91	89	2.2	70 - 130	30
1,2-Dichloropropane	ND	96	99	3.1	94	90	4.3	70 - 130	30
1,3,5-Trimethylbenzene	ND	102	106	3.8	94	79	17.3	70 - 130	30
1,3-Dichlorobenzene	ND	103	105	1.9	73	106	36.9	70 - 130	30 r
1,3-Dichloropropane	ND	100	105	4.9	96	95	1.0	70 - 130	30
1,4-Dichlorobenzene	ND	100	103	3.0	69	104	40.5	70 - 130	30 m,r
2,2-Dichloropropane	ND	101	103	2.0	106	96	9.9	70 - 130	30
2-Chlorotoluene	ND	101	104	2.9	92	80	14.0	70 - 130	30
2-Hexanone	ND	128	135	5.3	91	89	2.2	70 - 130	30 l
2-Isopropyltoluene	ND	101	105	3.9	91	72	23.3	70 - 130	30
4-Chlorotoluene	ND	104	107	2.8	85	78	8.6	70 - 130	30
4-Methyl-2-pentanone	ND	102	107	4.8	99	94	5.2	70 - 130	30
Acetone	ND	148	152	2.7	116	112	3.5	70 - 130	30 l
Acrylonitrile	ND	99	99	0.0	100	93	7.3	70 - 130	30
Benzene	ND	94	98	4.2	97	90	7.5	70 - 130	30
Bromobenzene	ND	101	106	4.8	86	83	3.6	70 - 130	30
Bromochloromethane	ND	98	99	1.0	99	93	6.3	70 - 130	30
Bromodichloromethane	ND	97	100	3.0	89	86	3.4	70 - 130	30
Bromoform	ND	108	112	3.6	81	80	1.2	70 - 130	30
Bromomethane	ND	85	85	0.0	102	93	9.2	70 - 130	30
Carbon Disulfide	ND	81	83	2.4	100	81	21.0	70 - 130	30
Carbon tetrachloride	ND	97	100	3.0	105	87	18.8	70 - 130	30
Chlorobenzene	ND	99	104	4.9	87	82	5.9	70 - 130	30
Chloroethane	ND	89	89	0.0	106	96	9.9	70 - 130	30
Chloroform	ND	97	99	2.0	97	91	6.4	70 - 130	30
Chloromethane	ND	78	80	2.5	97	89	8.6	70 - 130	30
cis-1,2-Dichloroethene	ND	98	98	0.0	99	91	8.4	70 - 130	30

QA/QC Data

SDG I.D.: GBF94256

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,3-Dichloropropene	ND	99	102	3.0	89	85	4.6	70 - 130	30
Dibromochloromethane	ND	106	110	3.7	91	89	2.2	70 - 130	30
Dibromomethane	ND	97	101	4.0	92	87	5.6	70 - 130	30
Dichlorodifluoromethane	ND	65	64	1.6	101	90	11.5	70 - 130	30
Ethylbenzene	ND	99	102	3.0	99	88	11.8	70 - 130	30
Hexachlorobutadiene	ND	104	104	0.0	116	111	4.4	70 - 130	30
Isopropylbenzene	ND	101	106	4.8	111	91	19.8	70 - 130	30
m&p-Xylene	ND	100	104	3.9	98	87	11.9	70 - 130	30
Methyl ethyl ketone	ND	126	124	1.6	93	85	9.0	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	91	92	1.1	99	96	3.1	70 - 130	30
Methylene chloride	ND	82	83	1.2	86	81	6.0	70 - 130	30
Naphthalene	ND	109	108	0.9	104	106	1.9	70 - 130	30
n-Butylbenzene	ND	108	110	1.8	88	106	18.6	70 - 130	30
n-Propylbenzene	ND	107	110	2.8	104	84	21.3	70 - 130	30
o-Xylene	ND	98	103	5.0	93	84	10.2	70 - 130	30
p-Isopropyltoluene	ND	105	107	1.9	96	71	29.9	70 - 130	30
sec-Butylbenzene	ND	99	103	4.0	103	72	35.4	70 - 130	30
Styrene	ND	98	105	6.9	83	75	10.1	70 - 130	30
tert-Butylbenzene	ND	102	107	4.8	104	79	27.3	70 - 130	30
Tetrachloroethene	ND	99	103	4.0	106	88	18.6	70 - 130	30
Tetrahydrofuran (THF)	ND	94	97	3.1	101	95	6.1	70 - 130	30
Toluene	ND	96	99	3.1	94	86	8.9	70 - 130	30
trans-1,2-Dichloroethene	ND	93	94	1.1	101	91	10.4	70 - 130	30
trans-1,3-Dichloropropene	ND	100	103	3.0	86	83	3.6	70 - 130	30
trans-1,4-dichloro-2-butene	ND	115	120	4.3	99	95	4.1	70 - 130	30
Trichloroethene	ND	97	100	3.0	99	88	11.8	70 - 130	30
Trichlorofluoromethane	ND	90	91	1.1	104	93	11.2	70 - 130	30
Trichlorotrifluoroethane	ND	95	96	1.0	115	95	19.0	70 - 130	30
Vinyl chloride	ND	81	82	1.2	102	94	8.2	70 - 130	30
% 1,2-dichlorobenzene-d4	102	100	100	0.0	100	98	2.0	70 - 130	30
% Bromofluorobenzene	96	99	101	2.0	94	93	1.1	70 - 130	30
% Dibromofluoromethane	101	106	103	2.9	104	103	1.0	70 - 130	30
% Toluene-d8	100	99	99	0.0	97	96	1.0	70 - 130	30

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-200%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.

m = This parameter is outside laboratory ms/msd specified recovery limits.

r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

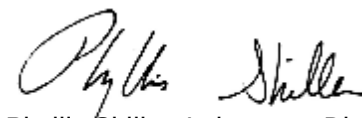
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference


Phyllis Shiller, Laboratory Director
January 09, 2014

Thursday, January 09, 2014

Criteria: NY: 375, 375RRS, 375RS

State: NY

Sample Criteria Exceedences Report

GBF94256 - EBC

Page 1 of 1

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



NY Temperature Narration

January 09, 2014

SDG I.D.: GBF94256

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)



NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823

Client Services (860) 645-8726

Customer:

Address:

ELC
Ridge NY

Project:

Report to:

Invoice to:

Project P.O.:

Phone #:

Fax #:

Data Delivery:

☐ Fax #:

☒ Email:

USOIL ELEC INC.

Temp

Pg

of

Sampler's
Signature

Client Sample - Information - Identification

Date: 1-2-17

Matrix Code:

DW=drinking water
GW=groundwater

WW=wastewater
SL=sludge

S=soil/solid
A=air

O=oil
X=other

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request
94260	1484 0-2	S	1-2-17	830	VOC 8260
94257	1484 2-4			840	
94258	1485 0-2			850	
94259	1485 2-4			900	
94260	1486 0-2			910	
94261	1486 2-4			920	
94262	1487 0-2			930	
94263	1487 2-4			940	
94264	1488 0-2			950	
94265	1488 2-4			1000	
94266	1489 0-2			1010	
94267	1489 2-4			1020	

Relinquished by:

Accepted by:

Time:

Turnaround:

NJ

NY

Data Format

☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ 5 Days
☐ 10 Days
☐ Other
*SURCHARGE APPLIES

☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil
☐ Cleanup Criteria
☐ GW Criteria

☐ TOGS GA GW
☐ CP-51 Soil
☒ NY375 Unrestricted Soil
☒ NY375 Residential Soil
☒ NY375 Restricted Non-Residential Soil

☒ Phoenix Std Report
☒ Excel
☒ PDF
☐ GIS/Key
☐ EQUIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

Comments, Special Requirements or Regulations:



NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823

Client Services (860) 645-8726

Customer: EBC Ledge NY
Address: _____

Project: 555 Grand St Brooklyn NY
Report to: _____
Invoice to: _____

Project P.O.: _____
Phone #: 631 501 6000
Fax #: _____

Data Delivery:

☐ Fax #:

☒ Email:

CSA@phoenixlabs.com

Temp

Pg 2 of 2

Client Sample - Information - Identification

Sampler's Signature

[Signature]

Date: 12.14

Matrix Code:

DW=drinking water
GW=groundwater

WW=wastewater
SL=sludge

S=soil/solid
A=air

O=oil
X=other

Phoenix Sample #

94291

14610 0-2

94292

14610 2-4

Date Sampled

12.14

12.14

Time Sampled

1030

1040

Analysis Request

Vac 2460

X

X

Relinquished by

[Signature]

Monica J. Puler

12-14

10:35

14:30

Accepted by

[Signature]

Monica J. Puler

12-14

10:35

14:30

Comments, Special Requirements or Regulations:

Turnaround:

☐ 1 Day*

☐ 2 Days*

☐ 3 Days*

☐ 5 Days

☐ 10 Days

☐ Other

* SURCHARGE APPLIES

NJ

☐ Res. Criteria

☐ Non-Res. Criteria

☐ Impact to GW Soil

☐ Cleanup Criteria

☐ GW Criteria

NY

☐ TOGS GA GW

☐ CP-51 Soil

☒ NY375 Unrestricted Soil

☒ NY375 Residential Soil

☒ NY375 Restricted Non-Residential Soil

Data Format

☐ Phoenix Std Report

☒ Excel

☒ PDF

☐ GIS/Key

☐ EQUIS

☐ NJ Hazsite EDD

☐ NY EZ EDD (ASP)

☐ Other

Data Package

☐ NJ Reduced Deliv. *

☐ NY Enhanced (ASP B) *

☐ Other

State where samples were collected: NY



Monday, February 10, 2014

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 555 GRAND ST., BROOKLYN
Sample ID#s: BG06313 - BG06314

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



SDG Comments

February 10, 2014

SDG I.D.: GBG06313

8260 Volatile Organics:

1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/FID method 504 or 8011 to achieve this criteria.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 10, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: GROUND WATER
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

02/04/14
02/04/14

Time

10:45
17:00

Laboratory Data

SDG ID: GBG06313
Phoenix ID: BG06313

Project ID: 555 GRAND ST., BROOKLYN
Client ID: MW1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
<u>Volatiles</u>						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	02/06/14	RM	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	02/06/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	02/06/14	RM	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	02/06/14	RM	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	02/06/14	RM	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	02/06/14	RM	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	02/06/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	02/06/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	02/06/14	RM	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	02/06/14	RM	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	02/06/14	RM	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	02/06/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	02/06/14	RM	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	02/06/14	RM	SW8260
2-Chlorotoluene	ND	1.0	ug/L	02/06/14	RM	SW8260
2-Hexanone	ND	5.0	ug/L	02/06/14	RM	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	02/06/14	RM	SW8260
4-Chlorotoluene	ND	1.0	ug/L	02/06/14	RM	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	02/06/14	RM	SW8260

Client ID: MW1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Acetone	ND	25	ug/L	02/06/14	RM	SW8260
Acrylonitrile	ND	5.0	ug/L	02/06/14	RM	SW8260
Benzene	ND	0.70	ug/L	02/06/14	RM	SW8260
Bromobenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
Bromochloromethane	ND	1.0	ug/L	02/06/14	RM	SW8260
Bromodichloromethane	ND	0.50	ug/L	02/06/14	RM	SW8260
Bromoform	ND	1.0	ug/L	02/06/14	RM	SW8260
Bromomethane	ND	1.0	ug/L	02/06/14	RM	SW8260
Carbon Disulfide	ND	5.0	ug/L	02/06/14	RM	SW8260
Carbon tetrachloride	ND	1.0	ug/L	02/06/14	RM	SW8260
Chlorobenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
Chloroethane	ND	1.0	ug/L	02/06/14	RM	SW8260
Chloroform	1.0	1.0	ug/L	02/06/14	RM	SW8260
Chloromethane	ND	1.0	ug/L	02/06/14	RM	SW8260
cis-1,2-Dichloroethene	1.2	1.0	ug/L	02/06/14	RM	SW8260
cis-1,3-Dichloropropene	ND	0.40	ug/L	02/06/14	RM	SW8260
Dibromochloromethane	ND	0.50	ug/L	02/06/14	RM	SW8260
Dibromomethane	ND	1.0	ug/L	02/06/14	RM	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	02/06/14	RM	SW8260
Ethylbenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	02/06/14	RM	SW8260
Isopropylbenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
m&p-Xylene	ND	1.0	ug/L	02/06/14	RM	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	02/06/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	02/06/14	RM	SW8260
Methylene chloride	ND	1.0	ug/L	02/06/14	RM	SW8260
Naphthalene	ND	1.0	ug/L	02/06/14	RM	SW8260
n-Butylbenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
n-Propylbenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
o-Xylene	ND	1.0	ug/L	02/06/14	RM	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	02/06/14	RM	SW8260
sec-Butylbenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
Styrene	ND	1.0	ug/L	02/06/14	RM	SW8260
tert-Butylbenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
Tetrachloroethene	5.1	1.0	ug/L	02/06/14	RM	SW8260
Tetrahydrofuran (THF)	ND	2.5	ug/L	02/06/14	RM	SW8260
Toluene	ND	1.0	ug/L	02/06/14	RM	SW8260
Total Xylenes	ND	2.0	ug/L	02/06/14	RM	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	02/06/14	RM	SW8260
trans-1,3-Dichloropropene	ND	0.40	ug/L	02/06/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	02/06/14	RM	SW8260
Trichloroethene	ND	1.0	ug/L	02/06/14	RM	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	02/06/14	RM	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	02/06/14	RM	SW8260
Vinyl chloride	ND	1.0	ug/L	02/06/14	RM	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	100		%	02/06/14	RM	70 - 130 %
% Bromofluorobenzene	96		%	02/06/14	RM	70 - 130 %
% Dibromofluoromethane	97		%	02/06/14	RM	70 - 130 %

1

Client ID: MW1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Toluene-d8	98		%	02/06/14	RM	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

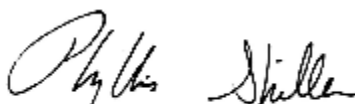
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 10, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 10, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: GROUND WATER
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

02/04/14 11:15
02/04/14 17:00

Time

Laboratory Data

SDG ID: GBG06313
Phoenix ID: BG06314

Project ID: 555 GRAND ST., BROOKLYN
Client ID: MW2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
<u>Volatiles</u>						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	02/06/14	RM	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	02/06/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	02/06/14	RM	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	02/06/14	RM	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	02/06/14	RM	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	02/06/14	RM	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	02/06/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	02/06/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	02/06/14	RM	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	02/06/14	RM	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	02/06/14	RM	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	02/06/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	02/06/14	RM	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	02/06/14	RM	SW8260
2-Chlorotoluene	ND	1.0	ug/L	02/06/14	RM	SW8260
2-Hexanone	ND	5.0	ug/L	02/06/14	RM	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	02/06/14	RM	SW8260
4-Chlorotoluene	ND	1.0	ug/L	02/06/14	RM	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	02/06/14	RM	SW8260

Client ID: MW2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Acetone	ND	25	ug/L	02/06/14	RM	SW8260
Acrylonitrile	ND	5.0	ug/L	02/06/14	RM	SW8260
Benzene	ND	0.70	ug/L	02/06/14	RM	SW8260
Bromobenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
Bromochloromethane	ND	1.0	ug/L	02/06/14	RM	SW8260
Bromodichloromethane	ND	0.50	ug/L	02/06/14	RM	SW8260
Bromoform	ND	1.0	ug/L	02/06/14	RM	SW8260
Bromomethane	ND	1.0	ug/L	02/06/14	RM	SW8260
Carbon Disulfide	ND	5.0	ug/L	02/06/14	RM	SW8260
Carbon tetrachloride	ND	1.0	ug/L	02/06/14	RM	SW8260
Chlorobenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
Chloroethane	ND	1.0	ug/L	02/06/14	RM	SW8260
Chloroform	1.2	1.0	ug/L	02/06/14	RM	SW8260
Chloromethane	ND	1.0	ug/L	02/06/14	RM	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	02/06/14	RM	SW8260
cis-1,3-Dichloropropene	ND	0.40	ug/L	02/06/14	RM	SW8260
Dibromochloromethane	ND	0.50	ug/L	02/06/14	RM	SW8260
Dibromomethane	ND	1.0	ug/L	02/06/14	RM	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	02/06/14	RM	SW8260
Ethylbenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	02/06/14	RM	SW8260
Isopropylbenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
m&p-Xylene	ND	1.0	ug/L	02/06/14	RM	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	02/06/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	02/06/14	RM	SW8260
Methylene chloride	ND	1.0	ug/L	02/06/14	RM	SW8260
Naphthalene	ND	1.0	ug/L	02/06/14	RM	SW8260
n-Butylbenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
n-Propylbenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
o-Xylene	ND	1.0	ug/L	02/06/14	RM	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	02/06/14	RM	SW8260
sec-Butylbenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
Styrene	ND	1.0	ug/L	02/06/14	RM	SW8260
tert-Butylbenzene	ND	1.0	ug/L	02/06/14	RM	SW8260
Tetrachloroethene	12	1.0	ug/L	02/06/14	RM	SW8260
Tetrahydrofuran (THF)	ND	2.5	ug/L	02/06/14	RM	SW8260
Toluene	ND	1.0	ug/L	02/06/14	RM	SW8260
Total Xylenes	ND	2.0	ug/L	02/06/14	RM	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	02/06/14	RM	SW8260
trans-1,3-Dichloropropene	ND	0.40	ug/L	02/06/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	02/06/14	RM	SW8260
Trichloroethene	ND	1.0	ug/L	02/06/14	RM	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	02/06/14	RM	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	02/06/14	RM	SW8260
Vinyl chloride	ND	1.0	ug/L	02/06/14	RM	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	100		%	02/06/14	RM	70 - 130 %
% Bromofluorobenzene	100		%	02/06/14	RM	70 - 130 %
% Dibromofluoromethane	97		%	02/06/14	RM	70 - 130 %

1

Client ID: MW2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Toluene-d8	99		%	02/06/14	RM	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

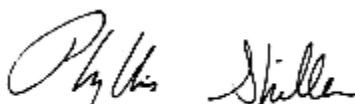
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 10, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

February 10, 2014

QA/QC Data

SDG I.D.: GBG06313

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 266320, QC Sample No: BG06313 (BG06313, BG06314)									
<u>Volatiles - Ground Water</u>									
1,1,1,2-Tetrachloroethane	ND	97	100	3.0	107	101	5.8	70 - 130	30
1,1,1-Trichloroethane	ND	97	99	2.0	107	102	4.8	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	92	93	1.1	100	96	4.1	70 - 130	30
1,1,2-Trichloroethane	ND	100	102	2.0	103	97	6.0	70 - 130	30
1,1-Dichloroethane	ND	99	102	3.0	105	100	4.9	70 - 130	30
1,1-Dichloroethene	ND	94	94	0.0	102	97	5.0	70 - 130	30
1,1-Dichloropropene	ND	99	100	1.0	110	104	5.6	70 - 130	30
1,2,3-Trichlorobenzene	ND	102	104	1.9	101	103	2.0	70 - 130	30
1,2,3-Trichloropropane	ND	97	96	1.0	101	100	1.0	70 - 130	30
1,2,4-Trichlorobenzene	ND	101	103	2.0	103	105	1.9	70 - 130	30
1,2,4-Trimethylbenzene	ND	102	105	2.9	106	105	0.9	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	100	108	7.7	107	103	3.8	70 - 130	30
1,2-Dibromoethane	ND	102	102	0.0	103	98	5.0	70 - 130	30
1,2-Dichlorobenzene	ND	94	97	3.1	101	100	1.0	70 - 130	30
1,2-Dichloroethane	ND	96	97	1.0	106	98	7.8	70 - 130	30
1,2-Dichloropropane	ND	101	101	0.0	106	101	4.8	70 - 130	30
1,3,5-Trimethylbenzene	ND	98	99	1.0	104	103	1.0	70 - 130	30
1,3-Dichlorobenzene	ND	96	97	1.0	103	101	2.0	70 - 130	30
1,3-Dichloropropane	ND	95	99	4.1	103	97	6.0	70 - 130	30
1,4-Dichlorobenzene	ND	97	99	2.0	104	102	1.9	70 - 130	30
2,2-Dichloropropane	ND	103	105	1.9	107	101	5.8	70 - 130	30
2-Chlorotoluene	ND	95	96	1.0	104	103	1.0	70 - 130	30
2-Hexanone	ND	106	109	2.8	104	98	5.9	70 - 130	30
2-Isopropyltoluene	ND	102	105	2.9	104	104	0.0	70 - 130	30
4-Chlorotoluene	ND	101	102	1.0	104	102	1.9	70 - 130	30
4-Methyl-2-pentanone	ND	105	105	0.0	103	95	8.1	70 - 130	30
Acetone	ND	91	97	6.4	96	92	4.3	70 - 130	30
Acrylonitrile	ND	99	101	2.0	95	93	2.1	70 - 130	30
Benzene	ND	98	98	0.0	104	101	2.9	70 - 130	30
Bromobenzene	ND	97	97	0.0	101	100	1.0	70 - 130	30
Bromochloromethane	ND	95	98	3.1	105	97	7.9	70 - 130	30
Bromodichloromethane	ND	96	96	0.0	107	101	5.8	70 - 130	30
Bromoform	ND	92	95	3.2	102	96	6.1	70 - 130	30
Bromomethane	ND	100	106	5.8	102	109	6.6	70 - 130	30
Carbon Disulfide	ND	90	92	2.2	100	95	5.1	70 - 130	30
Carbon tetrachloride	ND	97	97	0.0	108	102	5.7	70 - 130	30
Chlorobenzene	ND	96	99	3.1	105	100	4.9	70 - 130	30
Chloroethane	ND	93	95	2.1	99	94	5.2	70 - 130	30
Chloroform	ND	96	98	2.1	106	101	4.8	70 - 130	30
Chloromethane	ND	100	101	1.0	98	94	4.2	70 - 130	30
cis-1,2-Dichloroethene	ND	100	102	2.0	106	101	4.8	70 - 130	30

QA/QC Data

SDG I.D.: GBG06313

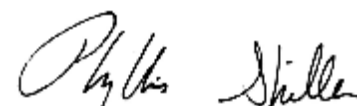
Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,3-Dichloropropene	ND	98	100	2.0	106	99	6.8	70 - 130	30
Dibromochloromethane	ND	95	99	4.1	107	99	7.8	70 - 130	30
Dibromomethane	ND	96	97	1.0	104	98	5.9	70 - 130	30
Dichlorodifluoromethane	ND	90	92	2.2	89	84	5.8	70 - 130	30
Ethylbenzene	ND	97	100	3.0	107	102	4.8	70 - 130	30
Hexachlorobutadiene	ND	99	102	3.0	96	102	6.1	70 - 130	30
Isopropylbenzene	ND	99	101	2.0	105	105	0.0	70 - 130	30
m&p-Xylene	ND	98	100	2.0	108	103	4.7	70 - 130	30
Methyl ethyl ketone	ND	96	99	3.1	109	100	8.6	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	89	91	2.2	100	94	6.2	70 - 130	30
Methylene chloride	ND	85	88	3.5	93	88	5.5	70 - 130	30
Naphthalene	ND	107	108	0.9	107	108	0.9	70 - 130	30
n-Butylbenzene	ND	102	104	1.9	104	103	1.0	70 - 130	30
n-Propylbenzene	ND	103	108	4.7	105	104	1.0	70 - 130	30
o-Xylene	ND	99	102	3.0	107	103	3.8	70 - 130	30
p-Isopropyltoluene	ND	99	102	3.0	107	105	1.9	70 - 130	30
sec-Butylbenzene	ND	96	99	3.1	105	104	1.0	70 - 130	30
Styrene	ND	99	103	4.0	108	102	5.7	70 - 130	30
tert-Butylbenzene	ND	99	100	1.0	106	103	2.9	70 - 130	30
Tetrachloroethene	ND	99	101	2.0	109	101	7.6	70 - 130	30
Tetrahydrofuran (THF)	ND	100	102	2.0	99	93	6.3	70 - 130	30
Toluene	ND	99	101	2.0	107	101	5.8	70 - 130	30
trans-1,2-Dichloroethene	ND	94	97	3.1	104	98	5.9	70 - 130	30
trans-1,3-Dichloropropene	ND	97	98	1.0	107	100	6.8	70 - 130	30
trans-1,4-dichloro-2-butene	ND	109	109	0.0	103	99	4.0	70 - 130	30
Trichloroethene	ND	101	101	0.0	107	103	3.8	70 - 130	30
Trichlorofluoromethane	ND	94	96	2.1	102	96	6.1	70 - 130	30
Trichlorotrifluoroethane	ND	105	104	1.0	101	97	4.0	70 - 130	30
Vinyl chloride	ND	96	99	3.1	99	94	5.2	70 - 130	30
% 1,2-dichlorobenzene-d4	100	98	98	0.0	99	101	2.0	70 - 130	30
% Bromofluorobenzene	97	100	99	1.0	101	98	3.0	70 - 130	30
% Dibromofluoromethane	96	98	100	2.0	99	98	1.0	70 - 130	30
% Toluene-d8	100	102	100	2.0	101	100	1.0	70 - 130	30

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
 LCS - Laboratory Control Sample
 LCSD - Laboratory Control Sample Duplicate
 MS - Matrix Spike
 MS Dup - Matrix Spike Duplicate
 NC - No Criteria
 Intf - Interference


 Phyllis Shiller, Laboratory Director
 February 10, 2014

Sample Criteria Exceedences Report**GBG06313 - EBC**

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG06313	\$8260GWR	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	5.1	1.0	5	5	ug/L
BG06313	\$8260GWR	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	5.1	1.0	5	5	ug/L
BG06313	\$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG06313	\$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG06313	\$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG06314	\$8260GWR	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	12	1.0	5	5	ug/L
BG06314	\$8260GWR	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	12	1.0	5	5	ug/L
BG06314	\$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG06314	\$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG06314	\$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



NY Temperature Narration

February 10, 2014

SDG I.D.: GBG06313

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

☒ Email csosik.ellen@comcast.net

Project P.O. 100-100000

Phone #: 631 507 6000

Fax #: _____

♀

[illegible]

1500
1000
500
0

AS-15

1972-1973

[illegible]

	M
70	
69	
PL	
PL	
B	

7	M

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

Data Format:

GA GW

Excel
PDF

☐ Backspace
☐ 0/1234567890
☐ QWERTYUIOP
☐ ASDFGHJKL
☐ ZXCVBNM

☐ NJ Hazsite EDD

☐ Restricted
☐ Residential Sort
☐ NY EZ EDB IAS
☐ Other

Data Package

☒ NJ Reduced Definition☐ NY Enhanced (A) ☐ Other

100

10



Friday, February 14, 2014

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 555 GRAND ST BROOKLYN NY
Sample ID#s: BG08256

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 14, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: GROUND WATER
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

02/09/14 12:00
02/11/14 15:25

Time

Laboratory Data

SDG ID: GBG08256
Phoenix ID: BG08256

Project ID: 555 GRAND ST BROOKLYN NY
Client ID: MW 3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
<u>Volatiles</u>						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	02/12/14	RM	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	02/12/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	02/12/14	RM	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	02/12/14	RM	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	02/12/14	RM	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	02/12/14	RM	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	02/12/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	02/12/14	RM	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	02/12/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	02/12/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	02/12/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	02/12/14	RM	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	02/12/14	RM	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	02/12/14	RM	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	02/12/14	RM	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	02/12/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	02/12/14	RM	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	02/12/14	RM	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	02/12/14	RM	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	02/12/14	RM	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	02/12/14	RM	SW8260
2-Chlorotoluene	ND	1.0	ug/L	02/12/14	RM	SW8260
2-Hexanone	ND	5.0	ug/L	02/12/14	RM	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	02/12/14	RM	SW8260
4-Chlorotoluene	ND	1.0	ug/L	02/12/14	RM	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	02/12/14	RM	SW8260

Client ID: MW 3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Acetone	ND	25	ug/L	02/12/14	RM	SW8260
Acrylonitrile	ND	5.0	ug/L	02/12/14	RM	SW8260
Benzene	ND	0.70	ug/L	02/12/14	RM	SW8260
Bromobenzene	ND	1.0	ug/L	02/12/14	RM	SW8260
Bromochloromethane	ND	1.0	ug/L	02/12/14	RM	SW8260
Bromodichloromethane	ND	0.50	ug/L	02/12/14	RM	SW8260
Bromoform	ND	1.0	ug/L	02/12/14	RM	SW8260
Bromomethane	ND	1.0	ug/L	02/12/14	RM	SW8260
Carbon Disulfide	ND	5.0	ug/L	02/12/14	RM	SW8260
Carbon tetrachloride	ND	1.0	ug/L	02/12/14	RM	SW8260
Chlorobenzene	ND	1.0	ug/L	02/12/14	RM	SW8260
Chloroethane	ND	1.0	ug/L	02/12/14	RM	SW8260
Chloroform	ND	1.0	ug/L	02/12/14	RM	SW8260
Chloromethane	ND	1.0	ug/L	02/12/14	RM	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	02/12/14	RM	SW8260
cis-1,3-Dichloropropene	ND	0.40	ug/L	02/12/14	RM	SW8260
Dibromochloromethane	ND	0.50	ug/L	02/12/14	RM	SW8260
Dibromomethane	ND	1.0	ug/L	02/12/14	RM	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	02/12/14	RM	SW8260
Ethylbenzene	ND	1.0	ug/L	02/12/14	RM	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	02/12/14	RM	SW8260
Isopropylbenzene	ND	1.0	ug/L	02/12/14	RM	SW8260
m&p-Xylene	ND	1.0	ug/L	02/12/14	RM	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	02/12/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	02/12/14	RM	SW8260
Methylene chloride	ND	1.0	ug/L	02/12/14	RM	SW8260
Naphthalene	ND	1.0	ug/L	02/12/14	RM	SW8260
n-Butylbenzene	ND	1.0	ug/L	02/12/14	RM	SW8260
n-Propylbenzene	ND	1.0	ug/L	02/12/14	RM	SW8260
o-Xylene	ND	1.0	ug/L	02/12/14	RM	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	02/12/14	RM	SW8260
sec-Butylbenzene	ND	1.0	ug/L	02/12/14	RM	SW8260
Styrene	ND	1.0	ug/L	02/12/14	RM	SW8260
tert-Butylbenzene	ND	1.0	ug/L	02/12/14	RM	SW8260
Tetrachloroethene	16	1.0	ug/L	02/12/14	RM	SW8260
Tetrahydrofuran (THF)	ND	2.5	ug/L	02/12/14	RM	SW8260
Toluene	ND	1.0	ug/L	02/12/14	RM	SW8260
Total Xylenes	ND	2.0	ug/L	02/12/14	RM	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	02/12/14	RM	SW8260
trans-1,3-Dichloropropene	ND	0.40	ug/L	02/12/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	02/12/14	RM	SW8260
Trichloroethene	ND	1.0	ug/L	02/12/14	RM	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	02/12/14	RM	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	02/12/14	RM	SW8260
Vinyl chloride	ND	1.0	ug/L	02/12/14	RM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	102		%	02/12/14	RM	70 - 130 %
% Bromofluorobenzene	95		%	02/12/14	RM	70 - 130 %
% Dibromofluoromethane	97		%	02/12/14	RM	70 - 130 %

1

Client ID: MW 3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Toluene-d8	99		%	02/12/14	RM	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

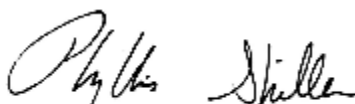
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

February 14, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

February 14, 2014

QA/QC Data

SDG I.D.: GBG08256

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 266651, QC Sample No: BG08179 (BG08256)									
<u>Volatiles - Ground Water</u>									
1,1,1,2-Tetrachloroethane	ND	94	97	3.1	111	115	3.5	70 - 130	30
1,1,1-Trichloroethane	ND	98	94	4.2	113	113	0.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	95	100	5.1	121	122	0.8	70 - 130	30
1,1,2-Trichloroethane	ND	98	102	4.0	122	124	1.6	70 - 130	30
1,1-Dichloroethane	ND	104	102	1.9	129	130	0.8	70 - 130	30
1,1-Dichloroethene	ND	100	95	5.1	111	113	1.8	70 - 130	30
1,1-Dichloropropene	ND	104	99	4.9	121	118	2.5	70 - 130	30
1,2,3-Trichlorobenzene	ND	77	84	8.7	84	104	21.3	70 - 130	30
1,2,3-Trichloropropane	ND	96	101	5.1	118	115	2.6	70 - 130	30
1,2,4-Trichlorobenzene	ND	80	89	10.7	97	109	11.7	70 - 130	30
1,2,4-Trimethylbenzene	ND	107	106	0.9	115	112	2.6	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	87	93	6.7	108	117	8.0	70 - 130	30
1,2-Dibromoethane	ND	98	103	5.0	120	122	1.7	70 - 130	30
1,2-Dichlorobenzene	ND	98	97	1.0	114	112	1.8	70 - 130	30
1,2-Dichloroethane	ND	91	93	2.2	112	111	0.9	70 - 130	30
1,2-Dichloropropane	ND	105	108	2.8	127	127	0.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	104	103	1.0	115	113	1.8	70 - 130	30
1,3-Dichlorobenzene	ND	100	100	0.0	114	114	0.0	70 - 130	30
1,3-Dichloropropane	ND	95	98	3.1	114	120	5.1	70 - 130	30
1,4-Dichlorobenzene	ND	101	101	0.0	116	115	0.9	70 - 130	30
2,2-Dichloropropane	ND	98	95	3.1	98	97	1.0	70 - 130	30
2-Chlorotoluene	ND	107	105	1.9	118	118	0.0	70 - 130	30
2-Hexanone	ND	94	103	9.1	135	143	5.8	70 - 130	30 m
2-Isopropyltoluene	ND	101	100	1.0	116	115	0.9	70 - 130	30
4-Chlorotoluene	ND	109	109	0.0	118	118	0.0	70 - 130	30
4-Methyl-2-pentanone	ND	92	102	10.3	134	135	0.7	70 - 130	30 m
Acetone	ND	76	74	2.7	118	132	11.2	70 - 130	30 m
Acrylonitrile	ND	91	101	10.4	133	142	6.5	70 - 130	30 m
Benzene	ND	107	103	3.8	129	127	1.6	70 - 130	30
Bromobenzene	ND	105	104	1.0	118	118	0.0	70 - 130	30
Bromochloromethane	ND	95	101	6.1	120	122	1.7	70 - 130	30
Bromodichloromethane	ND	93	94	1.1	116	115	0.9	70 - 130	30
Bromoform	ND	85	90	5.7	102	106	3.8	70 - 130	30
Bromomethane	ND	120	115	4.3	57	83	37.1	70 - 130	30 m,r
Carbon Disulfide	ND	91	87	4.5	120	120	0.0	70 - 130	30
Carbon tetrachloride	ND	96	91	5.3	110	109	0.9	70 - 130	30
Chlorobenzene	ND	101	100	1.0	113	114	0.9	70 - 130	30
Chloroethane	ND	99	94	5.2	109	110	0.9	70 - 130	30
Chloroform	ND	96	95	1.0	113	113	0.0	70 - 130	30
Chloromethane	ND	117	114	2.6	133	135	1.5	70 - 130	30 m
cis-1,2-Dichloroethene	ND	106	106	0.0	126	126	0.0	70 - 130	30

QA/QC Data

SDG I.D.: GBG08256

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,3-Dichloropropene	ND	95	97	2.1	116	117	0.9	70 - 130	30
Dibromochloromethane	ND	92	95	3.2	112	114	1.8	70 - 130	30
Dibromomethane	ND	94	99	5.2	121	121	0.0	70 - 130	30
Dichlorodifluoromethane	ND	96	91	5.3	96	94	2.1	70 - 130	30
Ethylbenzene	ND	107	103	3.8	120	122	1.7	70 - 130	30
Hexachlorobutadiene	ND	92	93	1.1	99	107	7.8	70 - 130	30
Isopropylbenzene	ND	117	111	5.3	124	122	1.6	70 - 130	30
m&p-Xylene	ND	104	102	1.9	115	118	2.6	70 - 130	30
Methyl ethyl ketone	ND	84	94	11.2	>150	>150	NC	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	79	86	8.5	108	109	0.9	70 - 130	30
Methylene chloride	ND	86	89	3.4	99	102	3.0	70 - 130	30
Naphthalene	ND	82	93	12.6	96	118	20.6	70 - 130	30
n-Butylbenzene	ND	102	103	1.0	118	114	3.4	70 - 130	30
n-Propylbenzene	ND	117	115	1.7	124	121	2.4	70 - 130	30
o-Xylene	ND	104	104	0.0	116	121	4.2	70 - 130	30
p-Isopropyltoluene	ND	104	103	1.0	117	112	4.4	70 - 130	30
sec-Butylbenzene	ND	101	100	1.0	119	117	1.7	70 - 130	30
Styrene	ND	104	104	0.0	116	119	2.6	70 - 130	30
tert-Butylbenzene	ND	107	102	4.8	117	114	2.6	70 - 130	30
Tetrachloroethene	ND	106	103	2.9	117	120	2.5	70 - 130	30
Tetrahydrofuran (THF)	ND	88	98	10.8	120	120	0.0	70 - 130	30
Toluene	ND	105	102	2.9	125	125	0.0	70 - 130	30
trans-1,2-Dichloroethene	ND	99	96	3.1	111	112	0.9	70 - 130	30
trans-1,3-Dichloropropene	ND	89	93	4.4	115	115	0.0	70 - 130	30
trans-1,4-dichloro-2-butene	ND	90	97	7.5	105	108	2.8	70 - 130	30
Trichloroethene	ND	107	103	3.8	123	122	0.8	70 - 130	30
Trichlorofluoromethane	ND	91	88	3.4	102	102	0.0	70 - 130	30
Trichlorotrifluoroethane	ND	95	88	7.7	95	94	1.1	70 - 130	30
Vinyl chloride	ND	108	103	4.7	115	120	4.3	70 - 130	30
% 1,2-dichlorobenzene-d4	100	97	98	1.0	101	99	2.0	70 - 130	30
% Bromofluorobenzene	95	95	98	3.1	97	99	2.0	70 - 130	30
% Dibromofluoromethane	95	92	93	1.1	99	96	3.1	70 - 130	30
% Toluene-d8	98	98	99	1.0	99	97	2.0	70 - 130	30

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

m = This parameter is outside laboratory ms/msd specified recovery limits.

r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

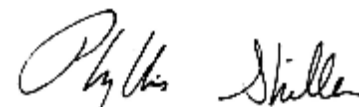
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director
February 14, 2014

Friday, February 14, 2014

Criteria: None

State: NY

Sample Criteria Exceedences Report

GBG08256 - EBC

Page 1 of 1

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



NY Temperature Narration

February 14, 2014

SDG I.D.: GBG08256

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

**Client: Environmental Business Consultants
Project: 555 GRAND ST BROOKLYN
Laboratory Project: GBG09442**



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823



NY Analytical Services Protocol Format

February 24, 2014

SDG I.D.: GBG09442

Environmental Business Consultants 555 GRAND ST BROOKLYN

SDG Comments

Version 1: Analysis results minus QC and forms.

Version 2: Updated client sample names.

Version 3: Complete report with QC and forms.

Methodology Summary

Volatile Organics

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed.Update III, Method 8260C.

Sample Id Cross Reference

Client Id	Lab Id	Matrix
B-11-12F	BG09442	SOLID
B-11-24F	BG09443	SOLID
B-10-12F	BG09444	SOLID
B-10-28F	BG09445	SOLID
REF-1-6F	BG09446	SOLID
REF-2-18F	BG09447	SOLID
DUP	BG09448	SOLID



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823



NY Analytical Services Protocol Format

February 24, 2014

SDG I.D.: GBG09442

Environmental Business Consultants 555 GRAND ST BROOKLYN

Laboratory Chronicle

The samples in this delivery group were received at 4°C.

Sample	Analysis	Collection Date	Extraction Date	Analysis Date	Analyst	Hold Time Met
BG09442	Volatiles	02/09/14	02/14/14	02/14/14	HM	Y
BG09443	Volatiles	02/09/14	02/14/14	02/14/14	HM	Y
BG09444	Volatiles	02/09/14	02/15/14	02/15/14	HM	Y
BG09445	Volatiles	02/09/14	02/14/14	02/14/14	HM	Y
BG09446	Volatiles	02/09/14	02/14/14	02/14/14	HM	Y
BG09447	Volatiles	02/09/14	02/14/14	02/14/14	HM	Y
BG09448	Volatiles	02/09/14	02/15/14	02/15/14	HM	Y



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 24, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOLID
Location Code: EBC
Rush Request: 24 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

02/09/14
02/14/14

Time

0:00
15:15

Laboratory Data

SDG ID: GBG09442
Phoenix ID: BG09442

Project ID: 555 GRAND ST BROOKLYN
Client ID: B-11-12F

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/14/14	I	E160.3
Field Extraction	Completed				02/09/14		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	4.0	0.66	ug/Kg	02/14/14	HM	SW8260
1,1,1-Trichloroethane	ND	4.0	0.80	ug/Kg	02/14/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	4.0	0.57	ug/Kg	02/14/14	HM	SW8260
1,1,2-Trichloroethane	ND	4.0	0.39	ug/Kg	02/14/14	HM	SW8260
1,1-Dichloroethane	ND	4.0	0.79	ug/Kg	02/14/14	HM	SW8260
1,1-Dichloroethene	ND	4.0	0.87	ug/Kg	02/14/14	HM	SW8260
1,1-Dichloropropene	ND	4.0	0.78	ug/Kg	02/14/14	HM	SW8260
1,2,3-Trichlorobenzene	ND	4.0	0.80	ug/Kg	02/14/14	HM	SW8260
1,2,3-Trichloropropane	ND	4.0	0.57	ug/Kg	02/14/14	HM	SW8260
1,2,4-Trichlorobenzene	ND	4.0	0.80	ug/Kg	02/14/14	HM	SW8260
1,2,4-Trimethylbenzene	ND	4.0	0.58	ug/Kg	02/14/14	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	4.0	1.1	ug/Kg	02/14/14	HM	SW8260
1,2-Dibromoethane	ND	4.0	1.1	ug/Kg	02/14/14	HM	SW8260
1,2-Dichlorobenzene	ND	4.0	0.44	ug/Kg	02/14/14	HM	SW8260
1,2-Dichloroethane	ND	4.0	0.35	ug/Kg	02/14/14	HM	SW8260
1,2-Dichloropropane	ND	4.0	0.57	ug/Kg	02/14/14	HM	SW8260
1,3,5-Trimethylbenzene	ND	4.0	0.53	ug/Kg	02/14/14	HM	SW8260
1,3-Dichlorobenzene	ND	4.0	0.59	ug/Kg	02/14/14	HM	SW8260
1,3-Dichloropropane	ND	4.0	0.42	ug/Kg	02/14/14	HM	SW8260
1,4-Dichlorobenzene	ND	4.0	0.63	ug/Kg	02/14/14	HM	SW8260
2,2-Dichloropropane	ND	4.0	0.67	ug/Kg	02/14/14	HM	SW8260
2-Chlorotoluene	ND	4.0	0.64	ug/Kg	02/14/14	HM	SW8260
2-Hexanone	ND	20	1.8	ug/Kg	02/14/14	HM	SW8260
2-Isopropyltoluene	ND	4.0	0.55	ug/Kg	02/14/14	HM	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	4.0	0.46	ug/Kg	02/14/14	HM	SW8260
4-Methyl-2-pentanone	ND	20	0.95	ug/Kg	02/14/14	HM	SW8260
Acetone	ND	40	4.0	ug/Kg	02/14/14	HM	SW8260
Acrylonitrile	ND	8.0	2.2	ug/Kg	02/14/14	HM	SW8260
Benzene	ND	4.0	0.79	ug/Kg	02/14/14	HM	SW8260
Bromobenzene	ND	4.0	0.52	ug/Kg	02/14/14	HM	SW8260
Bromochloromethane	ND	4.0	0.58	ug/Kg	02/14/14	HM	SW8260
Bromodichloromethane	ND	4.0	0.50	ug/Kg	02/14/14	HM	SW8260
Bromoform	ND	4.0	0.56	ug/Kg	02/14/14	HM	SW8260
Bromomethane	ND	4.0	3.1	ug/Kg	02/14/14	HM	SW8260
Carbon Disulfide	ND	4.0	0.65	ug/Kg	02/14/14	HM	SW8260
Carbon tetrachloride	ND	4.0	0.46	ug/Kg	02/14/14	HM	SW8260
Chlorobenzene	ND	4.0	0.59	ug/Kg	02/14/14	HM	SW8260
Chloroethane	ND	4.0	0.94	ug/Kg	02/14/14	HM	SW8260
Chloroform	ND	4.0	0.73	ug/Kg	02/14/14	HM	SW8260
Chloromethane	ND	4.0	2.1	ug/Kg	02/14/14	HM	SW8260
cis-1,2-Dichloroethene	ND	4.0	0.87	ug/Kg	02/14/14	HM	SW8260
cis-1,3-Dichloropropene	ND	4.0	0.43	ug/Kg	02/14/14	HM	SW8260
Dibromochloromethane	ND	4.0	0.45	ug/Kg	02/14/14	HM	SW8260
Dibromomethane	ND	4.0	0.50	ug/Kg	02/14/14	HM	SW8260
Dichlorodifluoromethane	ND	4.0	1.1	ug/Kg	02/14/14	HM	SW8260
Ethylbenzene	ND	4.0	0.73	ug/Kg	02/14/14	HM	SW8260
Hexachlorobutadiene	ND	4.0	0.84	ug/Kg	02/14/14	HM	SW8260
Isopropylbenzene	ND	4.0	0.77	ug/Kg	02/14/14	HM	SW8260
m&p-Xylene	ND	4.0	1.6	ug/Kg	02/14/14	HM	SW8260
Methyl Ethyl Ketone	ND	24	3.5	ug/Kg	02/14/14	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	8.0	1.1	ug/Kg	02/14/14	HM	SW8260
Methylene chloride	ND	4.0	0.66	ug/Kg	02/14/14	HM	SW8260
Naphthalene	ND	4.0	1.1	ug/Kg	02/14/14	HM	SW8260
n-Butylbenzene	ND	4.0	0.73	ug/Kg	02/14/14	HM	SW8260
n-Propylbenzene	ND	4.0	0.72	ug/Kg	02/14/14	HM	SW8260
o-Xylene	ND	4.0	1.5	ug/Kg	02/14/14	HM	SW8260
p-Isopropyltoluene	ND	4.0	0.58	ug/Kg	02/14/14	HM	SW8260
sec-Butylbenzene	ND	4.0	0.75	ug/Kg	02/14/14	HM	SW8260
Styrene	ND	4.0	1.2	ug/Kg	02/14/14	HM	SW8260
tert-Butylbenzene	ND	4.0	0.64	ug/Kg	02/14/14	HM	SW8260
Tetrachloroethene	2.9	J 4.0	0.84	ug/Kg	02/14/14	HM	SW8260
Tetrahydrofuran (THF)	ND	8.0	3.6	ug/Kg	02/14/14	HM	SW8260
Toluene	ND	4.0	0.63	ug/Kg	02/14/14	HM	SW8260
trans-1,2-Dichloroethene	ND	4.0	0.80	ug/Kg	02/14/14	HM	SW8260
trans-1,3-Dichloropropene	ND	4.0	0.82	ug/Kg	02/14/14	HM	SW8260
trans-1,4-dichloro-2-butene	ND	8.0	7.4	ug/Kg	02/14/14	HM	SW8260
Trichloroethene	ND	4.0	0.85	ug/Kg	02/14/14	HM	SW8260
Trichlorofluoromethane	ND	4.0	0.89	ug/Kg	02/14/14	HM	SW8260
Trichlorotrifluoroethane	ND	4.0	0.62	ug/Kg	02/14/14	HM	SW8260
Vinyl chloride	ND	4.0	1.3	ug/Kg	02/14/14	HM	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	103			%	02/14/14	HM	70 - 121 %
% Bromofluorobenzene	96			%	02/14/14	HM	59 - 113 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Dibromofluoromethane	99			%	02/14/14	HM	70 - 130 %
% Toluene-d8	100			%	02/14/14	HM	84 - 138 %
QC for Volatile					02/15/14	HM	
MS/MSD Volatiles					02/15/14	HM	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

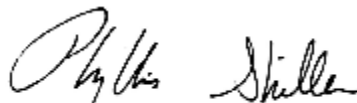
Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 24, 2014



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 24, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOLID
Location Code: EBC
Rush Request: 24 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

02/09/14
02/14/14

Time

0:00
15:15

Laboratory Data

SDG ID: GBG09442
Phoenix ID: BG09443

Project ID: 555 GRAND ST BROOKLYN
Client ID: B-11-24F

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/14/14	I	E160.3
Field Extraction	Completed				02/09/14		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	3.7	0.61	ug/Kg	02/14/14	HM	SW8260
1,1,1-Trichloroethane	ND	3.7	0.74	ug/Kg	02/14/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.7	0.53	ug/Kg	02/14/14	HM	SW8260
1,1,2-Trichloroethane	ND	3.7	0.36	ug/Kg	02/14/14	HM	SW8260
1,1-Dichloroethane	ND	3.7	0.73	ug/Kg	02/14/14	HM	SW8260
1,1-Dichloroethene	ND	3.7	0.81	ug/Kg	02/14/14	HM	SW8260
1,1-Dichloropropene	ND	3.7	0.72	ug/Kg	02/14/14	HM	SW8260
1,2,3-Trichlorobenzene	ND	3.7	0.74	ug/Kg	02/14/14	HM	SW8260
1,2,3-Trichloropropane	ND	3.7	0.53	ug/Kg	02/14/14	HM	SW8260
1,2,4-Trichlorobenzene	ND	3.7	0.74	ug/Kg	02/14/14	HM	SW8260
1,2,4-Trimethylbenzene	ND	3.7	0.53	ug/Kg	02/14/14	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	3.7	0.99	ug/Kg	02/14/14	HM	SW8260
1,2-Dibromoethane	ND	3.7	0.98	ug/Kg	02/14/14	HM	SW8260
1,2-Dichlorobenzene	ND	3.7	0.41	ug/Kg	02/14/14	HM	SW8260
1,2-Dichloroethane	ND	3.7	0.33	ug/Kg	02/14/14	HM	SW8260
1,2-Dichloropropane	ND	3.7	0.53	ug/Kg	02/14/14	HM	SW8260
1,3,5-Trimethylbenzene	ND	3.7	0.49	ug/Kg	02/14/14	HM	SW8260
1,3-Dichlorobenzene	ND	3.7	0.55	ug/Kg	02/14/14	HM	SW8260
1,3-Dichloropropane	ND	3.7	0.39	ug/Kg	02/14/14	HM	SW8260
1,4-Dichlorobenzene	ND	3.7	0.58	ug/Kg	02/14/14	HM	SW8260
2,2-Dichloropropane	ND	3.7	0.62	ug/Kg	02/14/14	HM	SW8260
2-Chlorotoluene	ND	3.7	0.59	ug/Kg	02/14/14	HM	SW8260
2-Hexanone	ND	19	1.7	ug/Kg	02/14/14	HM	SW8260
2-Isopropyltoluene	ND	3.7	0.51	ug/Kg	02/14/14	HM	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	3.7	0.43	ug/Kg	02/14/14	HM	SW8260
4-Methyl-2-pentanone	ND	19	0.88	ug/Kg	02/14/14	HM	SW8260
Acetone	ND	37	3.7	ug/Kg	02/14/14	HM	SW8260
Acrylonitrile	ND	7.4	2.1	ug/Kg	02/14/14	HM	SW8260
Benzene	ND	3.7	0.73	ug/Kg	02/14/14	HM	SW8260
Bromobenzene	ND	3.7	0.48	ug/Kg	02/14/14	HM	SW8260
Bromochloromethane	ND	3.7	0.54	ug/Kg	02/14/14	HM	SW8260
Bromodichloromethane	ND	3.7	0.46	ug/Kg	02/14/14	HM	SW8260
Bromoform	ND	3.7	0.52	ug/Kg	02/14/14	HM	SW8260
Bromomethane	ND	3.7	2.8	ug/Kg	02/14/14	HM	SW8260
Carbon Disulfide	ND	3.7	0.60	ug/Kg	02/14/14	HM	SW8260
Carbon tetrachloride	ND	3.7	0.43	ug/Kg	02/14/14	HM	SW8260
Chlorobenzene	ND	3.7	0.55	ug/Kg	02/14/14	HM	SW8260
Chloroethane	ND	3.7	0.87	ug/Kg	02/14/14	HM	SW8260
Chloroform	ND	3.7	0.67	ug/Kg	02/14/14	HM	SW8260
Chloromethane	ND	3.7	1.9	ug/Kg	02/14/14	HM	SW8260
cis-1,2-Dichloroethene	ND	3.7	0.81	ug/Kg	02/14/14	HM	SW8260
cis-1,3-Dichloropropene	ND	3.7	0.40	ug/Kg	02/14/14	HM	SW8260
Dibromochloromethane	ND	3.7	0.41	ug/Kg	02/14/14	HM	SW8260
Dibromomethane	ND	3.7	0.47	ug/Kg	02/14/14	HM	SW8260
Dichlorodifluoromethane	ND	3.7	0.98	ug/Kg	02/14/14	HM	SW8260
Ethylbenzene	ND	3.7	0.67	ug/Kg	02/14/14	HM	SW8260
Hexachlorobutadiene	ND	3.7	0.78	ug/Kg	02/14/14	HM	SW8260
Isopropylbenzene	ND	3.7	0.71	ug/Kg	02/14/14	HM	SW8260
m&p-Xylene	ND	3.7	1.5	ug/Kg	02/14/14	HM	SW8260
Methyl Ethyl Ketone	ND	22	3.2	ug/Kg	02/14/14	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	7.4	1.0	ug/Kg	02/14/14	HM	SW8260
Methylene chloride	ND	3.7	0.61	ug/Kg	02/14/14	HM	SW8260
Naphthalene	ND	3.7	0.99	ug/Kg	02/14/14	HM	SW8260
n-Butylbenzene	ND	3.7	0.67	ug/Kg	02/14/14	HM	SW8260
n-Propylbenzene	ND	3.7	0.67	ug/Kg	02/14/14	HM	SW8260
o-Xylene	ND	3.7	1.4	ug/Kg	02/14/14	HM	SW8260
p-Isopropyltoluene	ND	3.7	0.53	ug/Kg	02/14/14	HM	SW8260
sec-Butylbenzene	ND	3.7	0.70	ug/Kg	02/14/14	HM	SW8260
Styrene	ND	3.7	1.1	ug/Kg	02/14/14	HM	SW8260
tert-Butylbenzene	ND	3.7	0.59	ug/Kg	02/14/14	HM	SW8260
Tetrachloroethene	ND	3.7	0.78	ug/Kg	02/14/14	HM	SW8260
Tetrahydrofuran (THF)	ND	7.4	3.3	ug/Kg	02/14/14	HM	SW8260
Toluene	ND	3.7	0.58	ug/Kg	02/14/14	HM	SW8260
trans-1,2-Dichloroethene	ND	3.7	0.74	ug/Kg	02/14/14	HM	SW8260
trans-1,3-Dichloropropene	ND	3.7	0.75	ug/Kg	02/14/14	HM	SW8260
trans-1,4-dichloro-2-butene	ND	7.4	6.9	ug/Kg	02/14/14	HM	SW8260
Trichloroethene	ND	3.7	0.78	ug/Kg	02/14/14	HM	SW8260
Trichlorofluoromethane	ND	3.7	0.82	ug/Kg	02/14/14	HM	SW8260
Trichlorotrifluoroethane	ND	3.7	0.58	ug/Kg	02/14/14	HM	SW8260
Vinyl chloride	ND	3.7	1.2	ug/Kg	02/14/14	HM	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	102			%	02/14/14	HM	70 - 121 %
% Bromofluorobenzene	95			%	02/14/14	HM	59 - 113 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Dibromofluoromethane	100			%	02/14/14	HM	70 - 130 %
% Toluene-d8	102			%	02/14/14	HM	84 - 138 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

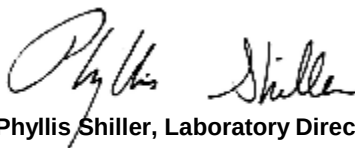
Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 24, 2014



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 24, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOLID
Location Code: EBC
Rush Request: 24 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

02/09/14
02/14/14

Time

0:00
15:15

Laboratory Data

SDG ID: GBG09442
Phoenix ID: BG09444

Project ID: 555 GRAND ST BROOKLYN
Client ID: B-10-12F

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/14/14	I	E160.3
Field Extraction	Completed				02/09/14		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	3.3	0.54	ug/Kg	02/14/14	HM	SW8260
1,1,1-Trichloroethane	ND	3.3	0.66	ug/Kg	02/14/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.3	0.47	ug/Kg	02/14/14	HM	SW8260
1,1,2-Trichloroethane	ND	3.3	0.32	ug/Kg	02/14/14	HM	SW8260
1,1-Dichloroethane	ND	3.3	0.65	ug/Kg	02/14/14	HM	SW8260
1,1-Dichloroethene	ND	3.3	0.72	ug/Kg	02/14/14	HM	SW8260
1,1-Dichloropropene	ND	3.3	0.64	ug/Kg	02/14/14	HM	SW8260
1,2,3-Trichlorobenzene	ND	3.3	0.66	ug/Kg	02/14/14	HM	SW8260
1,2,3-Trichloropropane	ND	3.3	0.47	ug/Kg	02/14/14	HM	SW8260
1,2,4-Trichlorobenzene	ND	3.3	0.66	ug/Kg	02/14/14	HM	SW8260
1,2,4-Trimethylbenzene	ND	3.3	0.48	ug/Kg	02/14/14	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	3.3	0.88	ug/Kg	02/14/14	HM	SW8260
1,2-Dibromoethane	ND	3.3	0.88	ug/Kg	02/14/14	HM	SW8260
1,2-Dichlorobenzene	ND	3.3	0.36	ug/Kg	02/14/14	HM	SW8260
1,2-Dichloroethane	ND	3.3	0.29	ug/Kg	02/14/14	HM	SW8260
1,2-Dichloropropane	ND	3.3	0.47	ug/Kg	02/14/14	HM	SW8260
1,3,5-Trimethylbenzene	ND	3.3	0.44	ug/Kg	02/14/14	HM	SW8260
1,3-Dichlorobenzene	ND	3.3	0.49	ug/Kg	02/14/14	HM	SW8260
1,3-Dichloropropane	ND	3.3	0.35	ug/Kg	02/14/14	HM	SW8260
1,4-Dichlorobenzene	ND	3.3	0.52	ug/Kg	02/14/14	HM	SW8260
2,2-Dichloropropane	ND	3.3	0.55	ug/Kg	02/14/14	HM	SW8260
2-Chlorotoluene	ND	3.3	0.53	ug/Kg	02/14/14	HM	SW8260
2-Hexanone	ND	17	1.5	ug/Kg	02/14/14	HM	SW8260
2-Isopropyltoluene	ND	3.3	0.46	ug/Kg	02/14/14	HM	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	3.3	0.38	ug/Kg	02/14/14	HM	SW8260
4-Methyl-2-pentanone	ND	17	0.79	ug/Kg	02/14/14	HM	SW8260
Acetone	5.7 JBS	33	3.3	ug/Kg	02/14/14	HM	SW8260 B*
Acrylonitrile	ND	6.6	1.9	ug/Kg	02/14/14	HM	SW8260
Benzene	ND	3.3	0.65	ug/Kg	02/14/14	HM	SW8260
Bromobenzene	ND	3.3	0.43	ug/Kg	02/14/14	HM	SW8260
Bromochloromethane	ND	3.3	0.48	ug/Kg	02/14/14	HM	SW8260
Bromodichloromethane	ND	3.3	0.41	ug/Kg	02/14/14	HM	SW8260
Bromoform	ND	3.3	0.46	ug/Kg	02/14/14	HM	SW8260
Bromomethane	ND	3.3	2.5	ug/Kg	02/14/14	HM	SW8260
Carbon Disulfide	ND	3.3	0.53	ug/Kg	02/14/14	HM	SW8260
Carbon tetrachloride	ND	3.3	0.38	ug/Kg	02/14/14	HM	SW8260
Chlorobenzene	ND	3.3	0.49	ug/Kg	02/14/14	HM	SW8260
Chloroethane	ND	3.3	0.77	ug/Kg	02/14/14	HM	SW8260
Chloroform	ND	3.3	0.60	ug/Kg	02/14/14	HM	SW8260
Chloromethane	ND	3.3	1.7	ug/Kg	02/14/14	HM	SW8260
cis-1,2-Dichloroethene	ND	3.3	0.72	ug/Kg	02/14/14	HM	SW8260
cis-1,3-Dichloropropene	ND	3.3	0.36	ug/Kg	02/14/14	HM	SW8260
Dibromochloromethane	ND	3.3	0.37	ug/Kg	02/14/14	HM	SW8260
Dibromomethane	ND	3.3	0.42	ug/Kg	02/14/14	HM	SW8260
Dichlorodifluoromethane	ND	3.3	0.88	ug/Kg	02/14/14	HM	SW8260
Ethylbenzene	ND	3.3	0.60	ug/Kg	02/14/14	HM	SW8260
Hexachlorobutadiene	ND	3.3	0.69	ug/Kg	02/14/14	HM	SW8260
Isopropylbenzene	ND	3.3	0.63	ug/Kg	02/14/14	HM	SW8260
m&p-Xylene	ND	3.3	1.3	ug/Kg	02/14/14	HM	SW8260
Methyl Ethyl Ketone	ND	20	2.9	ug/Kg	02/14/14	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	6.6	0.91	ug/Kg	02/14/14	HM	SW8260
Methylene chloride	ND	3.3	0.54	ug/Kg	02/14/14	HM	SW8260 B
Naphthalene	ND	3.3	0.88	ug/Kg	02/14/14	HM	SW8260
n-Butylbenzene	ND	3.3	0.60	ug/Kg	02/14/14	HM	SW8260
n-Propylbenzene	ND	3.3	0.59	ug/Kg	02/14/14	HM	SW8260
o-Xylene	ND	3.3	1.3	ug/Kg	02/14/14	HM	SW8260
p-Isopropyltoluene	ND	3.3	0.48	ug/Kg	02/14/14	HM	SW8260
sec-Butylbenzene	ND	3.3	0.62	ug/Kg	02/14/14	HM	SW8260
Styrene	ND	3.3	0.95	ug/Kg	02/14/14	HM	SW8260
tert-Butylbenzene	ND	3.3	0.53	ug/Kg	02/14/14	HM	SW8260
Tetrachloroethene	290 D	260	54	ug/Kg	02/15/14	HM	SW8260
Tetrahydrofuran (THF)	ND	6.6	3.0	ug/Kg	02/14/14	HM	SW8260 1
Toluene	ND	3.3	0.52	ug/Kg	02/14/14	HM	SW8260
trans-1,2-Dichloroethene	ND	3.3	0.66	ug/Kg	02/14/14	HM	SW8260
trans-1,3-Dichloropropene	ND	3.3	0.67	ug/Kg	02/14/14	HM	SW8260
trans-1,4-dichloro-2-butene	ND	6.6	6.1	ug/Kg	02/14/14	HM	SW8260
Trichloroethene	ND	3.3	0.70	ug/Kg	02/14/14	HM	SW8260
Trichlorofluoromethane	ND	3.3	0.73	ug/Kg	02/14/14	HM	SW8260
Trichlorotrifluoroethane	ND	3.3	0.51	ug/Kg	02/14/14	HM	SW8260
Vinyl chloride	ND	3.3	1.1	ug/Kg	02/14/14	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103			%	02/14/14	HM	70 - 121 %
% Bromofluorobenzene	96			%	02/14/14	HM	59 - 113 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Dibromofluoromethane	93			%	02/14/14	HM	70 - 130 %
% Toluene-d8	100			%	02/14/14	HM	84 - 138 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

B* = Present in blank, a bias is possible.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

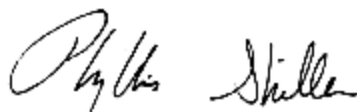
Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 24, 2014



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 24, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOLID
Location Code: EBC
Rush Request: 24 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

02/09/14
02/14/14

Time

0:00
15:15

Laboratory Data

SDG ID: GBG09442
Phoenix ID: BG09445

Project ID: 555 GRAND ST BROOKLYN
Client ID: B-10-28F

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/14/14	I	E160.3
Field Extraction	Completed				02/09/14		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	3.8	0.62	ug/Kg	02/14/14	HM	SW8260
1,1,1-Trichloroethane	ND	3.8	0.76	ug/Kg	02/14/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.8	0.54	ug/Kg	02/14/14	HM	SW8260
1,1,2-Trichloroethane	ND	3.8	0.37	ug/Kg	02/14/14	HM	SW8260
1,1-Dichloroethane	ND	3.8	0.75	ug/Kg	02/14/14	HM	SW8260
1,1-Dichloroethene	ND	3.8	0.83	ug/Kg	02/14/14	HM	SW8260
1,1-Dichloropropene	ND	3.8	0.74	ug/Kg	02/14/14	HM	SW8260
1,2,3-Trichlorobenzene	ND	3.8	0.76	ug/Kg	02/14/14	HM	SW8260
1,2,3-Trichloropropane	ND	3.8	0.54	ug/Kg	02/14/14	HM	SW8260
1,2,4-Trichlorobenzene	ND	3.8	0.76	ug/Kg	02/14/14	HM	SW8260
1,2,4-Trimethylbenzene	ND	3.8	0.55	ug/Kg	02/14/14	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	3.8	1.0	ug/Kg	02/14/14	HM	SW8260
1,2-Dibromoethane	ND	3.8	1.0	ug/Kg	02/14/14	HM	SW8260
1,2-Dichlorobenzene	ND	3.8	0.42	ug/Kg	02/14/14	HM	SW8260
1,2-Dichloroethane	ND	3.8	0.33	ug/Kg	02/14/14	HM	SW8260
1,2-Dichloropropane	ND	3.8	0.54	ug/Kg	02/14/14	HM	SW8260
1,3,5-Trimethylbenzene	ND	3.8	0.50	ug/Kg	02/14/14	HM	SW8260
1,3-Dichlorobenzene	ND	3.8	0.56	ug/Kg	02/14/14	HM	SW8260
1,3-Dichloropropane	ND	3.8	0.40	ug/Kg	02/14/14	HM	SW8260
1,4-Dichlorobenzene	ND	3.8	0.60	ug/Kg	02/14/14	HM	SW8260
2,2-Dichloropropane	ND	3.8	0.64	ug/Kg	02/14/14	HM	SW8260
2-Chlorotoluene	ND	3.8	0.61	ug/Kg	02/14/14	HM	SW8260
2-Hexanone	ND	19	1.7	ug/Kg	02/14/14	HM	SW8260
2-Isopropyltoluene	ND	3.8	0.52	ug/Kg	02/14/14	HM	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	3.8	0.44	ug/Kg	02/14/14	HM	SW8260
4-Methyl-2-pentanone	ND	19	0.90	ug/Kg	02/14/14	HM	SW8260
Acetone	4.1 JBS	38	3.8	ug/Kg	02/14/14	HM	SW8260 B*
Acrylonitrile	ND	7.6	2.1	ug/Kg	02/14/14	HM	SW8260
Benzene	ND	3.8	0.75	ug/Kg	02/14/14	HM	SW8260
Bromobenzene	ND	3.8	0.49	ug/Kg	02/14/14	HM	SW8260
Bromochloromethane	ND	3.8	0.55	ug/Kg	02/14/14	HM	SW8260
Bromodichloromethane	ND	3.8	0.47	ug/Kg	02/14/14	HM	SW8260
Bromoform	ND	3.8	0.53	ug/Kg	02/14/14	HM	SW8260
Bromomethane	ND	3.8	2.9	ug/Kg	02/14/14	HM	SW8260
Carbon Disulfide	ND	3.8	0.62	ug/Kg	02/14/14	HM	SW8260
Carbon tetrachloride	ND	3.8	0.44	ug/Kg	02/14/14	HM	SW8260
Chlorobenzene	ND	3.8	0.56	ug/Kg	02/14/14	HM	SW8260
Chloroethane	ND	3.8	0.89	ug/Kg	02/14/14	HM	SW8260
Chloroform	ND	3.8	0.69	ug/Kg	02/14/14	HM	SW8260
Chloromethane	ND	3.8	2.0	ug/Kg	02/14/14	HM	SW8260
cis-1,2-Dichloroethene	ND	3.8	0.83	ug/Kg	02/14/14	HM	SW8260
cis-1,3-Dichloropropene	ND	3.8	0.41	ug/Kg	02/14/14	HM	SW8260
Dibromochloromethane	ND	3.8	0.43	ug/Kg	02/14/14	HM	SW8260
Dibromomethane	ND	3.8	0.48	ug/Kg	02/14/14	HM	SW8260
Dichlorodifluoromethane	ND	3.8	1.0	ug/Kg	02/14/14	HM	SW8260
Ethylbenzene	ND	3.8	0.69	ug/Kg	02/14/14	HM	SW8260
Hexachlorobutadiene	ND	3.8	0.80	ug/Kg	02/14/14	HM	SW8260
Isopropylbenzene	ND	3.8	0.73	ug/Kg	02/14/14	HM	SW8260
m&p-Xylene	ND	3.8	1.5	ug/Kg	02/14/14	HM	SW8260
Methyl Ethyl Ketone	ND	23	3.3	ug/Kg	02/14/14	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	7.6	1.0	ug/Kg	02/14/14	HM	SW8260
Methylene chloride	ND	3.8	0.62	ug/Kg	02/14/14	HM	SW8260 B
Naphthalene	ND	3.8	1.0	ug/Kg	02/14/14	HM	SW8260
n-Butylbenzene	ND	3.8	0.69	ug/Kg	02/14/14	HM	SW8260
n-Propylbenzene	ND	3.8	0.68	ug/Kg	02/14/14	HM	SW8260
o-Xylene	ND	3.8	1.5	ug/Kg	02/14/14	HM	SW8260
p-Isopropyltoluene	ND	3.8	0.55	ug/Kg	02/14/14	HM	SW8260
sec-Butylbenzene	ND	3.8	0.71	ug/Kg	02/14/14	HM	SW8260
Styrene	ND	3.8	1.1	ug/Kg	02/14/14	HM	SW8260
tert-Butylbenzene	ND	3.8	0.61	ug/Kg	02/14/14	HM	SW8260
Tetrachloroethene	ND	3.8	0.80	ug/Kg	02/14/14	HM	SW8260
Tetrahydrofuran (THF)	8.2	7.6	3.4	ug/Kg	02/14/14	HM	SW8260 1
Toluene	ND	3.8	0.60	ug/Kg	02/14/14	HM	SW8260
trans-1,2-Dichloroethene	ND	3.8	0.76	ug/Kg	02/14/14	HM	SW8260
trans-1,3-Dichloropropene	ND	3.8	0.78	ug/Kg	02/14/14	HM	SW8260
trans-1,4-dichloro-2-butene	ND	7.6	7.1	ug/Kg	02/14/14	HM	SW8260
Trichloroethene	ND	3.8	0.81	ug/Kg	02/14/14	HM	SW8260
Trichlorofluoromethane	ND	3.8	0.84	ug/Kg	02/14/14	HM	SW8260
Trichlorotrifluoroethane	ND	3.8	0.59	ug/Kg	02/14/14	HM	SW8260
Vinyl chloride	ND	3.8	1.2	ug/Kg	02/14/14	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103			%	02/14/14	HM	70 - 121 %
% Bromofluorobenzene	96			%	02/14/14	HM	59 - 113 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Dibromofluoromethane	97			%	02/14/14	HM	70 - 130 %
% Toluene-d8	102			%	02/14/14	HM	84 - 138 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

B* = Present in blank, a bias is possible.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

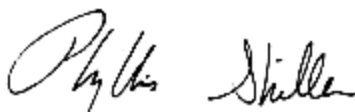
Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 24, 2014



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 24, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOLID
Location Code: EBC
Rush Request: 24 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

02/09/14
02/14/14

Time

0:00
15:15

Laboratory Data

SDG ID: GBG09442
Phoenix ID: BG09446

Project ID: 555 GRAND ST BROOKLYN
Client ID: REF-1-6F

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/14/14	I	E160.3
Field Extraction	Completed				02/09/14		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	3.2	0.52	ug/Kg	02/14/14	HM	SW8260
1,1,1-Trichloroethane	ND	3.2	0.64	ug/Kg	02/14/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.2	0.45	ug/Kg	02/14/14	HM	SW8260
1,1,2-Trichloroethane	ND	3.2	0.31	ug/Kg	02/14/14	HM	SW8260
1,1-Dichloroethane	ND	3.2	0.63	ug/Kg	02/14/14	HM	SW8260
1,1-Dichloroethene	ND	3.2	0.70	ug/Kg	02/14/14	HM	SW8260
1,1-Dichloropropene	ND	3.2	0.62	ug/Kg	02/14/14	HM	SW8260
1,2,3-Trichlorobenzene	ND	3.2	0.64	ug/Kg	02/14/14	HM	SW8260
1,2,3-Trichloropropane	ND	3.2	0.45	ug/Kg	02/14/14	HM	SW8260
1,2,4-Trichlorobenzene	ND	3.2	0.64	ug/Kg	02/14/14	HM	SW8260
1,2,4-Trimethylbenzene	ND	3.2	0.46	ug/Kg	02/14/14	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	3.2	0.86	ug/Kg	02/14/14	HM	SW8260
1,2-Dibromoethane	ND	3.2	0.85	ug/Kg	02/14/14	HM	SW8260
1,2-Dichlorobenzene	ND	3.2	0.35	ug/Kg	02/14/14	HM	SW8260
1,2-Dichloroethane	ND	3.2	0.28	ug/Kg	02/14/14	HM	SW8260
1,2-Dichloropropane	ND	3.2	0.45	ug/Kg	02/14/14	HM	SW8260
1,3,5-Trimethylbenzene	ND	3.2	0.42	ug/Kg	02/14/14	HM	SW8260
1,3-Dichlorobenzene	ND	3.2	0.47	ug/Kg	02/14/14	HM	SW8260
1,3-Dichloropropane	ND	3.2	0.34	ug/Kg	02/14/14	HM	SW8260
1,4-Dichlorobenzene	ND	3.2	0.51	ug/Kg	02/14/14	HM	SW8260
2,2-Dichloropropane	ND	3.2	0.54	ug/Kg	02/14/14	HM	SW8260
2-Chlorotoluene	ND	3.2	0.51	ug/Kg	02/14/14	HM	SW8260
2-Hexanone	ND	16	1.4	ug/Kg	02/14/14	HM	SW8260
2-Isopropyltoluene	ND	3.2	0.44	ug/Kg	02/14/14	HM	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	3.2	0.37	ug/Kg	02/14/14	HM	SW8260
4-Methyl-2-pentanone	ND	16	0.76	ug/Kg	02/14/14	HM	SW8260
Acetone	ND	32	3.2	ug/Kg	02/14/14	HM	SW8260
Acrylonitrile	ND	6.4	1.8	ug/Kg	02/14/14	HM	SW8260
Benzene	ND	3.2	0.63	ug/Kg	02/14/14	HM	SW8260
Bromobenzene	ND	3.2	0.42	ug/Kg	02/14/14	HM	SW8260
Bromochloromethane	ND	3.2	0.47	ug/Kg	02/14/14	HM	SW8260
Bromodichloromethane	ND	3.2	0.40	ug/Kg	02/14/14	HM	SW8260
Bromoform	ND	3.2	0.45	ug/Kg	02/14/14	HM	SW8260
Bromomethane	ND	3.2	2.5	ug/Kg	02/14/14	HM	SW8260
Carbon Disulfide	ND	3.2	0.52	ug/Kg	02/14/14	HM	SW8260
Carbon tetrachloride	ND	3.2	0.37	ug/Kg	02/14/14	HM	SW8260
Chlorobenzene	ND	3.2	0.47	ug/Kg	02/14/14	HM	SW8260
Chloroethane	ND	3.2	0.75	ug/Kg	02/14/14	HM	SW8260
Chloroform	ND	3.2	0.58	ug/Kg	02/14/14	HM	SW8260
Chloromethane	ND	3.2	1.7	ug/Kg	02/14/14	HM	SW8260
cis-1,2-Dichloroethene	ND	3.2	0.70	ug/Kg	02/14/14	HM	SW8260
cis-1,3-Dichloropropene	ND	3.2	0.35	ug/Kg	02/14/14	HM	SW8260
Dibromochloromethane	ND	3.2	0.36	ug/Kg	02/14/14	HM	SW8260
Dibromomethane	ND	3.2	0.40	ug/Kg	02/14/14	HM	SW8260
Dichlorodifluoromethane	ND	3.2	0.85	ug/Kg	02/14/14	HM	SW8260
Ethylbenzene	ND	3.2	0.58	ug/Kg	02/14/14	HM	SW8260
Hexachlorobutadiene	ND	3.2	0.67	ug/Kg	02/14/14	HM	SW8260
Isopropylbenzene	ND	3.2	0.61	ug/Kg	02/14/14	HM	SW8260
m&p-Xylene	ND	3.2	1.3	ug/Kg	02/14/14	HM	SW8260
Methyl Ethyl Ketone	ND	19	2.8	ug/Kg	02/14/14	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	6.4	0.88	ug/Kg	02/14/14	HM	SW8260
Methylene chloride	ND	3.2	0.52	ug/Kg	02/14/14	HM	SW8260
Naphthalene	ND	3.2	0.86	ug/Kg	02/14/14	HM	SW8260
n-Butylbenzene	ND	3.2	0.58	ug/Kg	02/14/14	HM	SW8260
n-Propylbenzene	ND	3.2	0.58	ug/Kg	02/14/14	HM	SW8260
o-Xylene	ND	3.2	1.2	ug/Kg	02/14/14	HM	SW8260
p-Isopropyltoluene	ND	3.2	0.46	ug/Kg	02/14/14	HM	SW8260
sec-Butylbenzene	ND	3.2	0.60	ug/Kg	02/14/14	HM	SW8260
Styrene	ND	3.2	0.92	ug/Kg	02/14/14	HM	SW8260
tert-Butylbenzene	ND	3.2	0.51	ug/Kg	02/14/14	HM	SW8260
Tetrachloroethene	1.6	J 3.2	0.67	ug/Kg	02/14/14	HM	SW8260
Tetrahydrofuran (THF)	ND	6.4	2.9	ug/Kg	02/14/14	HM	SW8260
Toluene	ND	3.2	0.51	ug/Kg	02/14/14	HM	SW8260
trans-1,2-Dichloroethene	ND	3.2	0.64	ug/Kg	02/14/14	HM	SW8260
trans-1,3-Dichloropropene	ND	3.2	0.65	ug/Kg	02/14/14	HM	SW8260
trans-1,4-dichloro-2-butene	ND	6.4	5.9	ug/Kg	02/14/14	HM	SW8260
Trichloroethene	ND	3.2	0.68	ug/Kg	02/14/14	HM	SW8260
Trichlorofluoromethane	ND	3.2	0.71	ug/Kg	02/14/14	HM	SW8260
Trichlorotrifluoroethane	ND	3.2	0.50	ug/Kg	02/14/14	HM	SW8260
Vinyl chloride	ND	3.2	1.0	ug/Kg	02/14/14	HM	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100			%	02/14/14	HM	70 - 121 %
% Bromofluorobenzene	95			%	02/14/14	HM	59 - 113 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Dibromofluoromethane	97			%	02/14/14	HM	70 - 130 %
% Toluene-d8	100			%	02/14/14	HM	84 - 138 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

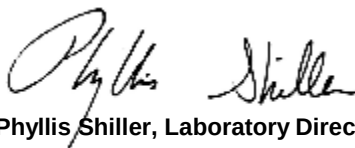
Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 24, 2014



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 24, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOLID
Location Code: EBC
Rush Request: 24 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

02/09/14 0:00
02/14/14 15:15

Time

Laboratory Data

SDG ID: GBG09442
Phoenix ID: BG09447

Project ID: 555 GRAND ST BROOKLYN
Client ID: REF-2-18F

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/14/14	I	E160.3
Field Extraction	Completed				02/09/14		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	4.4	0.72	ug/Kg	02/14/14	HM	SW8260
1,1,1-Trichloroethane	ND	4.4	0.88	ug/Kg	02/14/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	4.4	0.62	ug/Kg	02/14/14	HM	SW8260
1,1,2-Trichloroethane	ND	4.4	0.43	ug/Kg	02/14/14	HM	SW8260
1,1-Dichloroethane	ND	4.4	0.87	ug/Kg	02/14/14	HM	SW8260
1,1-Dichloroethene	ND	4.4	0.96	ug/Kg	02/14/14	HM	SW8260
1,1-Dichloropropene	ND	4.4	0.85	ug/Kg	02/14/14	HM	SW8260
1,2,3-Trichlorobenzene	ND	4.4	0.88	ug/Kg	02/14/14	HM	SW8260
1,2,3-Trichloropropane	ND	4.4	0.62	ug/Kg	02/14/14	HM	SW8260
1,2,4-Trichlorobenzene	ND	4.4	0.88	ug/Kg	02/14/14	HM	SW8260
1,2,4-Trimethylbenzene	ND	4.4	0.63	ug/Kg	02/14/14	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	4.4	1.2	ug/Kg	02/14/14	HM	SW8260
1,2-Dibromoethane	ND	4.4	1.2	ug/Kg	02/14/14	HM	SW8260
1,2-Dichlorobenzene	ND	4.4	0.48	ug/Kg	02/14/14	HM	SW8260
1,2-Dichloroethane	ND	4.4	0.39	ug/Kg	02/14/14	HM	SW8260
1,2-Dichloropropane	ND	4.4	0.62	ug/Kg	02/14/14	HM	SW8260
1,3,5-Trimethylbenzene	ND	4.4	0.58	ug/Kg	02/14/14	HM	SW8260
1,3-Dichlorobenzene	ND	4.4	0.65	ug/Kg	02/14/14	HM	SW8260
1,3-Dichloropropane	ND	4.4	0.47	ug/Kg	02/14/14	HM	SW8260
1,4-Dichlorobenzene	ND	4.4	0.70	ug/Kg	02/14/14	HM	SW8260
2,2-Dichloropropane	ND	4.4	0.74	ug/Kg	02/14/14	HM	SW8260
2-Chlorotoluene	ND	4.4	0.70	ug/Kg	02/14/14	HM	SW8260
2-Hexanone	ND	22	2.0	ug/Kg	02/14/14	HM	SW8260
2-Isopropyltoluene	ND	4.4	0.61	ug/Kg	02/14/14	HM	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	4.4	0.51	ug/Kg	02/14/14	HM	SW8260
4-Methyl-2-pentanone	ND	22	1.0	ug/Kg	02/14/14	HM	SW8260
Acetone	ND	44	4.4	ug/Kg	02/14/14	HM	SW8260
Acrylonitrile	ND	8.8	2.5	ug/Kg	02/14/14	HM	SW8260
Benzene	ND	4.4	0.87	ug/Kg	02/14/14	HM	SW8260
Bromobenzene	ND	4.4	0.57	ug/Kg	02/14/14	HM	SW8260
Bromochloromethane	ND	4.4	0.64	ug/Kg	02/14/14	HM	SW8260
Bromodichloromethane	ND	4.4	0.55	ug/Kg	02/14/14	HM	SW8260
Bromoform	ND	4.4	0.62	ug/Kg	02/14/14	HM	SW8260
Bromomethane	ND	4.4	3.4	ug/Kg	02/14/14	HM	SW8260
Carbon Disulfide	ND	4.4	0.71	ug/Kg	02/14/14	HM	SW8260
Carbon tetrachloride	ND	4.4	0.51	ug/Kg	02/14/14	HM	SW8260
Chlorobenzene	ND	4.4	0.65	ug/Kg	02/14/14	HM	SW8260
Chloroethane	ND	4.4	1.0	ug/Kg	02/14/14	HM	SW8260
Chloroform	ND	4.4	0.80	ug/Kg	02/14/14	HM	SW8260
Chloromethane	ND	4.4	2.3	ug/Kg	02/14/14	HM	SW8260
cis-1,2-Dichloroethene	ND	4.4	0.96	ug/Kg	02/14/14	HM	SW8260
cis-1,3-Dichloropropene	ND	4.4	0.48	ug/Kg	02/14/14	HM	SW8260
Dibromochloromethane	ND	4.4	0.49	ug/Kg	02/14/14	HM	SW8260
Dibromomethane	ND	4.4	0.55	ug/Kg	02/14/14	HM	SW8260
Dichlorodifluoromethane	ND	4.4	1.2	ug/Kg	02/14/14	HM	SW8260
Ethylbenzene	ND	4.4	0.80	ug/Kg	02/14/14	HM	SW8260
Hexachlorobutadiene	ND	4.4	0.92	ug/Kg	02/14/14	HM	SW8260
Isopropylbenzene	ND	4.4	0.84	ug/Kg	02/14/14	HM	SW8260
m&p-Xylene	ND	4.4	1.7	ug/Kg	02/14/14	HM	SW8260
Methyl Ethyl Ketone	ND	26	3.8	ug/Kg	02/14/14	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	8.8	1.2	ug/Kg	02/14/14	HM	SW8260
Methylene chloride	ND	4.4	0.72	ug/Kg	02/14/14	HM	SW8260
Naphthalene	ND	4.4	1.2	ug/Kg	02/14/14	HM	SW8260
n-Butylbenzene	ND	4.4	0.80	ug/Kg	02/14/14	HM	SW8260
n-Propylbenzene	ND	4.4	0.79	ug/Kg	02/14/14	HM	SW8260
o-Xylene	ND	4.4	1.7	ug/Kg	02/14/14	HM	SW8260
p-Isopropyltoluene	ND	4.4	0.63	ug/Kg	02/14/14	HM	SW8260
sec-Butylbenzene	ND	4.4	0.83	ug/Kg	02/14/14	HM	SW8260
Styrene	ND	4.4	1.3	ug/Kg	02/14/14	HM	SW8260
tert-Butylbenzene	ND	4.4	0.70	ug/Kg	02/14/14	HM	SW8260
Tetrachloroethene	ND	4.4	0.92	ug/Kg	02/14/14	HM	SW8260
Tetrahydrofuran (THF)	ND	8.8	4.0	ug/Kg	02/14/14	HM	SW8260
Toluene	ND	4.4	0.70	ug/Kg	02/14/14	HM	SW8260
trans-1,2-Dichloroethene	ND	4.4	0.88	ug/Kg	02/14/14	HM	SW8260
trans-1,3-Dichloropropene	ND	4.4	0.90	ug/Kg	02/14/14	HM	SW8260
trans-1,4-dichloro-2-butene	ND	8.8	8.2	ug/Kg	02/14/14	HM	SW8260
Trichloroethene	ND	4.4	0.93	ug/Kg	02/14/14	HM	SW8260
Trichlorofluoromethane	ND	4.4	0.98	ug/Kg	02/14/14	HM	SW8260
Trichlorotrifluoroethane	ND	4.4	0.69	ug/Kg	02/14/14	HM	SW8260
Vinyl chloride	ND	4.4	1.4	ug/Kg	02/14/14	HM	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101			%	02/14/14	HM	70 - 121 %
% Bromofluorobenzene	97			%	02/14/14	HM	59 - 113 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Dibromofluoromethane	98			%	02/14/14	HM	70 - 130 %
% Toluene-d8	101			%	02/14/14	HM	84 - 138 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

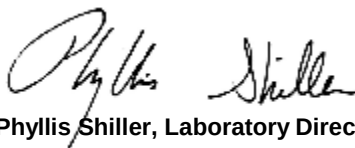
Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

February 24, 2014



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 24, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOLID
Location Code: EBC
Rush Request: 24 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

02/09/14 0:00
02/14/14 15:15

Time

Laboratory Data

SDG ID: GBG09442
Phoenix ID: BG09448

Project ID: 555 GRAND ST BROOKLYN
Client ID: DUP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/14/14	I	E160.3
Field Extraction	Completed				02/09/14		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	3.6	0.58	ug/Kg	02/15/14	HM	SW8260
1,1,1-Trichloroethane	ND	3.6	0.71	ug/Kg	02/15/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.6	0.50	ug/Kg	02/15/14	HM	SW8260
1,1,2-Trichloroethane	ND	3.6	0.35	ug/Kg	02/15/14	HM	SW8260
1,1-Dichloroethane	ND	3.6	0.70	ug/Kg	02/15/14	HM	SW8260
1,1-Dichloroethene	ND	3.6	0.77	ug/Kg	02/15/14	HM	SW8260
1,1-Dichloropropene	ND	3.6	0.69	ug/Kg	02/15/14	HM	SW8260
1,2,3-Trichlorobenzene	ND	3.6	0.71	ug/Kg	02/15/14	HM	SW8260
1,2,3-Trichloropropane	ND	3.6	0.50	ug/Kg	02/15/14	HM	SW8260
1,2,4-Trichlorobenzene	ND	3.6	0.71	ug/Kg	02/15/14	HM	SW8260
1,2,4-Trimethylbenzene	ND	3.6	0.51	ug/Kg	02/15/14	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	3.6	0.95	ug/Kg	02/15/14	HM	SW8260
1,2-Dibromoethane	ND	3.6	0.94	ug/Kg	02/15/14	HM	SW8260
1,2-Dichlorobenzene	ND	3.6	0.39	ug/Kg	02/15/14	HM	SW8260
1,2-Dichloroethane	ND	3.6	0.31	ug/Kg	02/15/14	HM	SW8260
1,2-Dichloropropane	ND	3.6	0.50	ug/Kg	02/15/14	HM	SW8260
1,3,5-Trimethylbenzene	ND	3.6	0.47	ug/Kg	02/15/14	HM	SW8260
1,3-Dichlorobenzene	ND	3.6	0.53	ug/Kg	02/15/14	HM	SW8260
1,3-Dichloropropane	ND	3.6	0.38	ug/Kg	02/15/14	HM	SW8260
1,4-Dichlorobenzene	ND	3.6	0.56	ug/Kg	02/15/14	HM	SW8260
2,2-Dichloropropane	ND	3.6	0.60	ug/Kg	02/15/14	HM	SW8260
2-Chlorotoluene	ND	3.6	0.57	ug/Kg	02/15/14	HM	SW8260
2-Hexanone	ND	18	1.6	ug/Kg	02/15/14	HM	SW8260
2-Isopropyltoluene	ND	3.6	0.49	ug/Kg	02/15/14	HM	SW8260

1

Client ID: DUP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	3.6	0.41	ug/Kg	02/15/14	HM	SW8260
4-Methyl-2-pentanone	ND	18	0.84	ug/Kg	02/15/14	HM	SW8260
Acetone	12 JBS	36	3.5	ug/Kg	02/15/14	HM	SW8260 B*
Acrylonitrile	ND	7.1	2.0	ug/Kg	02/15/14	HM	SW8260
Benzene	ND	3.6	0.70	ug/Kg	02/15/14	HM	SW8260
Bromobenzene	ND	3.6	0.46	ug/Kg	02/15/14	HM	SW8260
Bromochloromethane	ND	3.6	0.52	ug/Kg	02/15/14	HM	SW8260
Bromodichloromethane	ND	3.6	0.44	ug/Kg	02/15/14	HM	SW8260
Bromoform	ND	3.6	0.50	ug/Kg	02/15/14	HM	SW8260
Bromomethane	ND	3.6	2.7	ug/Kg	02/15/14	HM	SW8260
Carbon Disulfide	ND	3.6	0.58	ug/Kg	02/15/14	HM	SW8260
Carbon tetrachloride	ND	3.6	0.41	ug/Kg	02/15/14	HM	SW8260
Chlorobenzene	ND	3.6	0.53	ug/Kg	02/15/14	HM	SW8260
Chloroethane	ND	3.6	0.83	ug/Kg	02/15/14	HM	SW8260
Chloroform	ND	3.6	0.65	ug/Kg	02/15/14	HM	SW8260
Chloromethane	ND	3.6	1.9	ug/Kg	02/15/14	HM	SW8260
cis-1,2-Dichloroethene	ND	3.6	0.77	ug/Kg	02/15/14	HM	SW8260
cis-1,3-Dichloropropene	ND	3.6	0.38	ug/Kg	02/15/14	HM	SW8260
Dibromochloromethane	ND	3.6	0.40	ug/Kg	02/15/14	HM	SW8260
Dibromomethane	ND	3.6	0.45	ug/Kg	02/15/14	HM	SW8260
Dichlorodifluoromethane	ND	3.6	0.94	ug/Kg	02/15/14	HM	SW8260
Ethylbenzene	ND	3.6	0.65	ug/Kg	02/15/14	HM	SW8260
Hexachlorobutadiene	ND	3.6	0.75	ug/Kg	02/15/14	HM	SW8260
Isopropylbenzene	ND	3.6	0.68	ug/Kg	02/15/14	HM	SW8260
m&p-Xylene	ND	3.6	1.4	ug/Kg	02/15/14	HM	SW8260
Methyl Ethyl Ketone	ND	21	3.1	ug/Kg	02/15/14	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	7.1	0.98	ug/Kg	02/15/14	HM	SW8260
Methylene chloride	ND	3.6	0.58	ug/Kg	02/15/14	HM	SW8260 B
Naphthalene	ND	3.6	0.95	ug/Kg	02/15/14	HM	SW8260
n-Butylbenzene	ND	3.6	0.65	ug/Kg	02/15/14	HM	SW8260
n-Propylbenzene	ND	3.6	0.64	ug/Kg	02/15/14	HM	SW8260
o-Xylene	ND	3.6	1.4	ug/Kg	02/15/14	HM	SW8260
p-Isopropyltoluene	ND	3.6	0.51	ug/Kg	02/15/14	HM	SW8260
sec-Butylbenzene	ND	3.6	0.67	ug/Kg	02/15/14	HM	SW8260
Styrene	ND	3.6	1.0	ug/Kg	02/15/14	HM	SW8260
tert-Butylbenzene	ND	3.6	0.57	ug/Kg	02/15/14	HM	SW8260
Tetrachloroethene	1.8 J	3.6	0.75	ug/Kg	02/15/14	HM	SW8260
Tetrahydrofuran (THF)	3.2 J	7.1	3.2	ug/Kg	02/15/14	HM	SW8260 1
Toluene	ND	3.6	0.56	ug/Kg	02/15/14	HM	SW8260
trans-1,2-Dichloroethene	ND	3.6	0.71	ug/Kg	02/15/14	HM	SW8260
trans-1,3-Dichloropropene	ND	3.6	0.72	ug/Kg	02/15/14	HM	SW8260
trans-1,4-dichloro-2-butene	ND	7.1	6.6	ug/Kg	02/15/14	HM	SW8260
Trichloroethene	ND	3.6	0.75	ug/Kg	02/15/14	HM	SW8260
Trichlorofluoromethane	ND	3.6	0.79	ug/Kg	02/15/14	HM	SW8260
Trichlorotrifluoroethane	ND	3.6	0.55	ug/Kg	02/15/14	HM	SW8260
Vinyl chloride	ND	3.6	1.2	ug/Kg	02/15/14	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103			%	02/15/14	HM	70 - 121 %
% Bromofluorobenzene	98			%	02/15/14	HM	59 - 113 %

Client ID: DUP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Dibromofluoromethane	98			%	02/15/14	HM	70 - 130 %
% Toluene-d8	102			%	02/15/14	HM	84 - 138 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

B* = Present in blank, a bias is possible.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

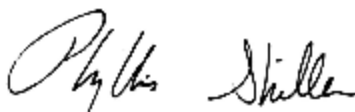
Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 24, 2014



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

February 24, 2014

QA/QC Data

SDG I.D.: GBG09442

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 266868, QC Sample No: BG09442 (BG09442, BG09443, BG09444 (63, 1X) , BG09445, BG09446, BG09447, BG09448)									
Volatiles - Solid									
1,1,1,2-Tetrachloroethane	ND	99	97	2.0	97	96	1.0	70 - 130	30
1,1,1-Trichloroethane	ND	99	96	3.1	102	99	3.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	94	88	6.6	95	93	2.1	70 - 130	30
1,1,2-Trichloroethane	ND	107	102	4.8	100	97	3.0	70 - 130	30
1,1-Dichloroethane	ND	101	97	4.0	99	97	2.0	70 - 130	30
1,1-Dichloroethene	ND	92	89	3.3	90	89	1.1	70 - 130	30
1,1-Dichloropropene	ND	103	100	3.0	102	97	5.0	70 - 130	30
1,2,3-Trichlorobenzene	ND	102	96	6.1	90	79	13.0	70 - 130	30
1,2,3-Trichloropropane	ND	99	94	5.2	91	90	1.1	70 - 130	30
1,2,4-Trichlorobenzene	ND	100	96	4.1	90	76	16.9	70 - 130	30
1,2,4-Trimethylbenzene	ND	105	100	4.9	97	87	10.9	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	94	88	6.6	86	84	2.4	70 - 130	30
1,2-Dibromoethane	ND	104	101	2.9	98	96	2.1	70 - 130	30
1,2-Dichlorobenzene	ND	98	94	4.2	91	86	5.6	70 - 130	30
1,2-Dichloroethane	ND	101	98	3.0	101	100	1.0	70 - 130	30
1,2-Dichloropropane	ND	103	100	3.0	100	97	3.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	101	97	4.0	97	88	9.7	70 - 130	30
1,3-Dichlorobenzene	ND	100	96	4.1	93	85	9.0	70 - 130	30
1,3-Dichloropropane	ND	97	96	1.0	93	94	1.1	70 - 130	30
1,4-Dichlorobenzene	ND	99	94	5.2	92	84	9.1	70 - 130	30
2,2-Dichloropropane	ND	101	96	5.1	106	102	3.8	70 - 130	30
2-Chlorotoluene	ND	99	93	6.3	97	88	9.7	70 - 130	30
2-Hexanone	ND	87	84	3.5	79	76	3.9	70 - 130	30
2-Isopropyltoluene	ND	105	100	4.9	98	87	11.9	70 - 130	30
4-Chlorotoluene	ND	102	97	5.0	95	87	8.8	70 - 130	30
4-Methyl-2-pentanone	ND	98	93	5.2	94	93	1.1	70 - 130	30
Acetone	5.3 JBS	74	73	1.4	>150	62	NC	70 - 130	30 m
Acrylonitrile	ND	102	96	6.1	94	92	2.2	70 - 130	30
Benzene	ND	103	99	4.0	99	97	2.0	70 - 130	30
Bromobenzene	ND	99	95	4.1	94	90	4.3	70 - 130	30
Bromochloromethane	ND	98	95	3.1	99	97	2.0	70 - 130	30
Bromodichloromethane	ND	97	95	2.1	100	98	2.0	70 - 130	30
Bromoform	ND	96	92	4.3	93	92	1.1	70 - 130	30
Bromomethane	ND	87	86	1.2	93	89	4.4	70 - 130	30
Carbon Disulfide	ND	76	73	4.0	88	86	2.3	70 - 130	30
Carbon tetrachloride	ND	99	96	3.1	103	100	3.0	70 - 130	30
Chlorobenzene	ND	99	98	1.0	96	91	5.3	70 - 130	30
Chloroethane	ND	90	88	2.2	91	90	1.1	70 - 130	30
Chloroform	ND	98	94	4.2	99	97	2.0	70 - 130	30
Chloromethane	ND	93	89	4.4	90	88	2.2	70 - 130	30

QA/QC Data

SDG I.D.: GBG09442

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,2-Dichloroethene	ND	102	98	4.0	99	97	2.0	70 - 130	30
cis-1,3-Dichloropropene	ND	101	98	3.0	101	98	3.0	70 - 130	30
Dibromochloromethane	ND	99	96	3.1	95	94	1.1	70 - 130	30
Dibromomethane	ND	101	97	4.0	99	98	1.0	70 - 130	30
Dichlorodifluoromethane	ND	81	80	1.2	80	80	0.0	70 - 130	30
Ethylbenzene	ND	101	99	2.0	97	92	5.3	70 - 130	30
Hexachlorobutadiene	ND	99	97	2.0	97	71	31.0	70 - 130	30
Isopropylbenzene	ND	104	97	7.0	98	91	7.4	70 - 130	30
m&p-Xylene	ND	103	100	3.0	97	91	6.4	70 - 130	30
Methyl ethyl ketone	ND	79	76	3.9	82	81	1.2	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	97	93	4.2	99	99	0.0	70 - 130	30
Methylene chloride	1.3 JBS	87	85	2.3	83	83	0.0	70 - 130	30
Naphthalene	ND	102	97	5.0	90	85	5.7	70 - 130	30
n-Butylbenzene	ND	104	100	3.9	97	80	19.2	70 - 130	30
n-Propylbenzene	ND	109	103	5.7	96	86	11.0	70 - 130	30
o-Xylene	ND	101	98	3.0	98	92	6.3	70 - 130	30
p-Isopropyltoluene	ND	103	99	4.0	97	84	14.4	70 - 130	30
sec-Butylbenzene	ND	100	96	4.1	99	86	14.1	70 - 130	30
Styrene	ND	100	96	4.1	97	91	6.4	70 - 130	30
tert-Butylbenzene	ND	103	99	4.0	98	89	9.6	70 - 130	30
Tetrachloroethene	ND	103	101	2.0	95	92	3.2	70 - 130	30
Tetrahydrofuran (THF)	ND	102	95	7.1	102	94	8.2	70 - 130	30
Toluene	ND	104	101	2.9	101	95	6.1	70 - 130	30
trans-1,2-Dichloroethene	ND	91	89	2.2	92	91	1.1	70 - 130	30
trans-1,3-Dichloropropene	ND	98	96	2.1	102	99	3.0	70 - 130	30
trans-1,4-dichloro-2-butene	ND	101	93	8.2	93	92	1.1	70 - 130	30
Trichloroethene	ND	107	104	2.8	99	96	3.1	70 - 130	30
Trichlorofluoromethane	ND	89	86	3.4	92	91	1.1	70 - 130	30
Trichlorotrifluoroethane	ND	97	95	2.1	92	92	0.0	70 - 130	30
Vinyl chloride	ND	88	85	3.5	86	82	4.8	70 - 130	30
% 1,2-dichlorobenzene-d4	104	101	99	2.0	100	100	0.0	70 - 121	30
% Bromofluorobenzene	98	100	100	0.0	101	101	0.0	59 - 113	30
% Dibromofluoromethane	96	97	98	1.0	96	99	3.1	70 - 130	30
% Toluene-d8	100	100	100	0.0	102	100	2.0	84 - 138	30

m = This parameter is outside laboratory ms/msd specified recovery limits.

r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

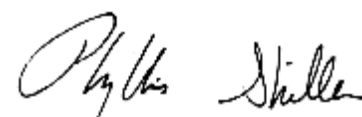
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

February 24, 2014

Monday, February 24, 2014

Criteria: NY: 375, 375RRS, 375RS

State: NY

Sample Criteria Exceedences Report

GBG09442 - EBC

Page 1 of 1

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



NY Temperature Narration

February 24, 2014

SDG I.D.: GBG09442

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

Shannon - Phoenixlabs

From: Chawinie Miller [cmiller@ebcincny.com]
Sent: Tuesday, February 18, 2014 02:03 PM
To: shannon@phoenixlabs.com
Subject: re: change to COC
Attachments: img-140218173701.pdf

Hi Shannon,

Can you make a slight change to this COC for these samples?

Thanks,

Chawinie Miller
Project Manager / Industrial Hygienist

EBC

Environmental Business Consultants

Ph: 631.504.6000

Fax: 631.924.2870

Cell: 631.827.5007

cmiller@ebcincny.com

2/18/2014



587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

NY ANALYTICAL SERVICES PROTOCOL DATA PACKAGE

Client: Environmental Business Consultants

555 GRAND ST BROOKLYN

Laboratory Project: GBG09442

Volatiles

Organic Data Flags

MDL:	Method Detection Limit The minimum reportable concentration that can be measured with 99% confidence, as defined in 40CFR part 136 (Appendix B).
PQL(RL):	Practical Quantitation Level or Reporting Level This value is at or above the MDL and is supported by the lowest calibration standard.

- Q Qualifiers:

- U - The compound was analyzed for but not detected at or above the MDL. The number immediately preceding the “U” represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.
- J - The value is estimated. This flag is used
 - a) on form 1 when the compound is reported above the MDL, but below the PQL, and
 - b) on the Tentatively Identified Compound (TIC) form for all compounds identified
- JL- The value is estimated. This flag is used on the form 1 when a compound is evaluated to the requested criteria. This value may be below the MDL.
- N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified.
- S - This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.
- B - This compound was also present in the method blank
- D - The reported concentration is the result of a diluted analysis.
- E - The reported value is estimated because the concentration exceeded the calibration range.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
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NY ANALYTICAL SERVICES PROTOCOL

February 20, 2014

SDG I.D.: GBG09442

555 GRAND ST BROOKLYN Environmental Business Consultants

Conformance / Non-Conformance Summary

Volatile Organic Compounds:

Form 2: All surrogate recoveries met method criteria.

Form 3: Laboratory Criteria for the Lab Control Sample/Lab Control Sample Duplicate (LCS/LCSD) and Matrix Spike (MS): 90% of compounds are within 70-130% for LCS/LCSD and RPDs less than 30% (these limits are reflected on the form IIIs).

All QC associated with this sample set met ASP criteria. When multiple MS compounds do not meet method criteria a matrix effect is suspected. No further action is required when the LCS/LCSD recoveries for those compounds are within criteria. Compounds with recoveries and/or RPDs outside laboratory control limits are flagged with an asterisk on form III.

Form 5: BFB Tunes met method criteria. All samples and closing standards were analyzed within 12 hours from their injection.

Form 6: The initial calibration analyzed on CHEM03 on 02/02/2014 met ASP criteria for all target compounds, with the following exception: The minimum RRF was not met for Trichloroethen..

Form 7: The continuing calibration standard 0214L37.D on CHEM03 met ASP criteria for all target compounds. The closing continuing calibration standard 0214L57.D on CHEM03 met ASP criteria for all target compounds.

Form 8: The internal standard areas and retention times met criteria.

Observations: The client requested the 8260 compound list for this sample set.

All compounds striked through on quantitation report are less than MDL for that compound.

All compounds highlighted on a quantitation report are reported from a HL or diluted analysis.

No other observations are noted.

02/20/14

Jonathan Carlson
Project Manager

Date

2D
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Phoenix Environmental Labs Client: EBC
 Lab Code: Phoenix Case No.: SDG: GBG09442
 QC Batch Id: 266868 QC Sample Id: BG09442

	CLIENT ID	SMC1 DBFM #	SMC2 TOL #	SMC3 BFB #	SMC4 DCB #	TOT OUT
01	BG09442 LCS	97	100	100	101	0
02	BG09442 LCSD	98	100	100	99	0
03	BG09442 BLANK	96	100	98	104	0
04	B-11-12F	99	100	96	103	0
05	B-11-24F	100	102	95	102	0
06	B-10-12F	93	100	97	103	0
07	B-10-28F	97	102	96	103	0
08	REF-1-6F	97	100	95	100	0
09	REF-2-18F	98	101	97	101	0
10	DUP	98	102	98	103	0
11	B-10-12F DILUTION	92	101	98	100	0
12	B-11-12F MS	96	102	101	100	0
13	B-11-12F MSD	99	100	101	100	0
14						
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			<u>QC LIMITS</u>
SMC1	DBFM	Dibromofluoromethane	(70-130)
SMC2	TOL	Toluene-d8	(70-130)
SMC3	BFB	Bromofluorobenzene	(70-130)
SMC4	DCB	1,2-dichlorobenzene-d4	(70-130)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

FORM II VOA
FORM II VOA

3D
SOIL VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No: GBG09442

LCS Spike - Client Id: -50 PPB / BG09442 LCS Level:(low/med) Low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.	
Dichlorodifluoromethane	50	0.0	40.56	81	70	130
Chloromethane	50	0.0	46.59	93	70	130
Vinyl Chloride	50	0.0	43.94	88	70	130
Bromomethane	50	0.0	43.42	87	70	130
Chloroethane	50	0.0	45.20	90	70	130
Trichlorofluoromethane	50	0.0	44.60	89	70	130
1,1-Dichloroethene	50	0.0	45.86	92	70	130
Trichlorotrifluoroethane	50	0.0	48.42	97	70	130
Acetone	50	0.0	37.21	74	70	130
Carbon Disulfide	50	0.0	37.99	76	70	130
Methylene Chloride	50	0.0	43.62	87	70	130
Trans-1,2-Dichloroethene	50	0.0	45.62	91	70	130
Acrylonitrile	50	0.0	51.08	102	70	130
1,1-Dichloroethane	50	0.0	50.38	101	70	130
Cis-1,2-Dichloroethene	50	0.0	51.16	102	70	130
2,2-Dichloropropane	50	0.0	50.38	101	70	130
Tetrahydrofuran (THF)	125	0.0	127.0	102	70	130
Methyl Ethyl Ketone	50	0.0	39.69	79	70	130
Bromochloromethane	50	0.0	49.00	98	70	130
COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD	QC LIMITS	
				#	RPD	REC.
Dichlorodifluoromethane	50	39.81	80	1.2	30	70 130
Chloromethane	50	44.72	89	4.4	30	70 130
Vinyl Chloride	50	42.37	85	3.5	30	70 130
Bromomethane	50	42.91	86	1.2	30	70 130
Chloroethane	50	43.85	88	2.2	30	70 130
Trichlorofluoromethane	50	42.89	86	3.4	30	70 130
1,1-Dichloroethene	50	44.54	89	3.3	30	70 130
Trichlorotrifluoroethane	50	47.56	95	2.1	30	70 130
Acetone	50	36.55	73	1.4	30	70 130
Carbon Disulfide	50	36.74	73	4.0	30	70 130
Methylene Chloride	50	42.46	85	2.3	30	70 130
Trans-1,2-Dichloroethene	50	44.33	89	2.2	30	70 130
Acrylonitrile	50	47.84	96	6.1	30	70 130
1,1-Dichloroethane	50	48.34	97	4.0	30	70 130
Cis-1,2-Dichloroethene	50	48.97	98	4.0	30	70 130
2,2-Dichloropropane	50	48.10	96	5.1	30	70 130
Tetrahydrofuran (THF)	125	118.9	95	7.1	30	70 130
Methyl Ethyl Ketone	50	38.03	76	3.9	30	70 130
Bromochloromethane	50	47.53	95	3.1	30	70 130

FORM III VOA

3D
SOIL VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No: GBG09442

LCS Spike - Client Id: -50 PPB / BG09442 LCS Level:(low/med) Low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.	
Chloroform	50	0.0	48.82	98	70	130
1,1,1-Trichloroethane	50	0.0	49.46	99	70	130
Methyl t-Butyl Ether (MTBE)	50	0.0	48.73	97	70	130
1,1-Dichloropropene	50	0.0	51.68	103	70	130
Carbon Tetrachloride	50	0.0	49.33	99	70	130
Benzene	50	0.0	51.46	103	70	130
1,2-Dichloroethane	50	0.0	50.32	101	70	130
Trichloroethene	50	0.0	53.51	107	70	130
1,2-dichloropropane	50	0.0	51.31	103	70	130
Dibromomethane	50	0.0	50.65	101	70	130
Bromodichloromethane	50	0.0	48.51	97	70	130
cis-1,3-Dichloropropene	50	0.0	50.46	101	70	130
4-Methyl-2-Pentanone	50	0.0	49.15	98	70	130
Toluene	50	0.0	51.93	104	70	130
trans-1,3-Dichloropropene	50	0.0	49.19	98	70	130
1,1,2-Trichloroethane	50	0.0	53.49	107	70	130
1,2-Dibromoethane	50	0.0	52.16	104	70	130
Tetrachloroethene	50	0.0	51.44	103	70	130
1,3-Dichloropropane	50	0.0	48.75	98	70	130
COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD	QC LIMITS	
					RPD	REC.
Chloroform	50	46.81	94	4.2	30	70 130
1,1,1-Trichloroethane	50	48.14	96	3.1	30	70 130
Methyl t-Butyl Ether (MTBE)	50	46.68	93	4.2	30	70 130
1,1-Dichloropropene	50	50.09	100	3.0	30	70 130
Carbon Tetrachloride	50	48.17	96	3.1	30	70 130
Benzene	50	49.72	99	4.0	30	70 130
1,2-Dichloroethane	50	49.05	98	3.0	30	70 130
Trichloroethene	50	51.77	104	2.8	30	70 130
1,2-dichloropropane	50	50.16	100	3.0	30	70 130
Dibromomethane	50	48.73	97	4.0	30	70 130
Bromodichloromethane	50	47.39	95	2.1	30	70 130
cis-1,3-Dichloropropene	50	48.97	98	3.0	30	70 130
4-Methyl-2-Pentanone	50	46.29	93	5.2	30	70 130
Toluene	50	50.45	101	2.9	30	70 130
trans-1,3-Dichloropropene	50	48.08	96	2.1	30	70 130
1,1,2-Trichloroethane	50	50.79	102	4.8	30	70 130
1,2-Dibromoethane	50	50.41	101	2.9	30	70 130
Tetrachloroethene	50	50.59	101	2.0	30	70 130
1,3-Dichloropropane	50	47.90	96	2.1	30	70 130

FORM III VOA

3D
SOIL VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No: GBG09442

LCS Spike - Client Id: -50 PPB / BG09442 LCS Level:(low/med) Low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.		
2-Hexanone	50	0.0	43.48	87	70	130	
Dibromochloromethane	50	0.0	49.35	99	70	130	
Chlorobenzene	50	0.0	49.66	99	70	130	
1,1,1,2-Tetrachloroethane	50	0.0	49.65	99	70	130	
Ethylbenzene	50	0.0	50.50	101	70	130	
m&p-Xylene	100	0.0	103.0	103	70	130	
o-Xylene	50	0.0	50.52	101	70	130	
Styrene	50	0.0	50.08	100	70	130	
Bromoform	50	0.0	47.79	96	70	130	
Isopropylbenzene	50	0.0	52.01	104	70	130	
1,1,2,2-Tetrachloroethane	50	0.0	46.90	94	70	130	
Bromobenzene	50	0.0	49.67	99	70	130	
1,2,3-Trichloropropane	50	0.0	49.80	100	70	130	
n-Propylbenzene	50	0.0	54.34	109	70	130	
2-Chlorotoluene	50	0.0	49.56	99	70	130	
1,3,5-Trimethylbenzene	50	0.0	50.40	101	70	130	
trans-1,4-Dichloro-2-butene	250	0.0	253.1	101	70	130	
4-Chlorotoluene	50	0.0	50.80	102	70	130	
tert-Butylbenzene	50	0.0	51.46	103	70	130	
COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD	#	QC LIMITS	
						RPD	REC.
2-Hexanone	50	41.81	84	3.5	30	70	130
Dibromochloromethane	50	47.94	96	3.1	30	70	130
Chlorobenzene	50	48.75	98	1.0	30	70	130
1,1,1,2-Tetrachloroethane	50	48.65	97	2.0	30	70	130
Ethylbenzene	50	49.25	99	3.0	30	70	130
m&p-Xylene	100	100.2	100	3.0	30	70	130
o-Xylene	50	48.95	98	3.0	30	70	130
Styrene	50	48.25	97	4.1	30	70	130
Bromoform	50	45.88	92	4.3	30	70	130
Isopropylbenzene	50	48.70	97	7.0	30	70	130
1,1,2,2-Tetrachloroethane	50	43.99	88	6.6	30	70	130
Bromobenzene	50	47.54	95	4.1	30	70	130
1,2,3-Trichloropropane	50	46.95	94	6.2	30	70	130
n-Propylbenzene	50	51.39	103	5.7	30	70	130
2-Chlorotoluene	50	46.55	93	6.3	30	70	130
1,3,5-Trimethylbenzene	50	48.34	97	4.0	30	70	130
trans-1,4-Dichloro-2-butene	250	232.8	93	8.2	30	70	130
4-Chlorotoluene	50	48.46	97	5.0	30	70	130
tert-Butylbenzene	50	49.31	99	4.0	30	70	130

FORM III VOA

3D
SOIL VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No: GBG09442

LCS Spike - Client Id: -50 PPB / BG09442 LCS Level:(low/med) Low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)		LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.	
1,2,4-Trimethylbenzene	50	0.0		52.48	105	70	130
sec-Butylbenzene	50	0.0		50.19	100	70	130
1,3-Dichlorobenzene	50	0.0		50.19	100	70	130
p-Isopropyltoluene	50	0.0		51.55	103	70	130
1,4-Dichlorobenzene	50	0.0		49.47	99	70	130
2-Isopropyltoluene	50	0.0		52.40	105	70	130
n-Butylbenzene	50	0.0		51.86	104	70	130
1,2-Dichlorobenzene	50	0.0		48.97	98	70	130
1,2-Dibromo-3-Chloropropane	50	0.0		47.07	94	70	130
1,2,4-Trichlorobenzene	50	0.0		50.09	100	70	130
Hexachlorobutadiene	50	0.0		49.72	99	70	130
Naphthalene	50	0.0		50.81	102	70	130
1,2,3-Trichlorobenzene	50	0.0		50.85	102	70	130
COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD	#	QC LIMITS	
						RPD	REC.
1,2,4-Trimethylbenzene	50	50.05	100	4.9	30	70	130
sec-Butylbenzene	50	47.77	96	4.1	30	70	130
1,3-Dichlorobenzene	50	48.06	96	4.1	30	70	130
p-Isopropyltoluene	50	49.48	99	4.0	30	70	130
1,4-Dichlorobenzene	50	47.10	94	5.2	30	70	130
2-Isopropyltoluene	50	50.14	100	4.9	30	70	130
n-Butylbenzene	50	50.05	100	3.9	30	70	130
1,2-Dichlorobenzene	50	46.89	94	4.2	30	70	130
1,2-Dibromo-3-Chloropropane	50	43.98	88	6.6	30	70	130
1,2,4-Trichlorobenzene	50	48.04	96	4.1	30	70	130
Hexachlorobutadiene	50	48.59	97	2.0	30	70	130
Naphthalene	50	48.44	97	5.0	30	70	130
1,2,3-Trichlorobenzene	50	48.04	96	6.1	30	70	130

FORM III VOA

3D
SOIL VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No: GBG09442

Matrix Spike - Client Id: BG09442 / B-11-12F MS Level:(low/med) Low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.		
Dichlorodifluoromethane	50.00	0.0	40.22	80	70	130	
Chloromethane	50.00	0.0	45.08	90	70	130	
Vinyl Chloride	50.00	0.0	42.83	86	70	130	
Bromomethane	50.00	0.0	46.67	93	70	130	
Chloroethane	50.00	0.0	45.37	91	70	130	
Trichlorofluoromethane	50.00	0.0	46.24	92	70	130	
1,1-Dichloroethene	50.00	0.0	45.08	90	70	130	
Trichlorotrifluoroethane	50.00	0.0	45.81	92	70	130	
Acetone	50.00	0.0	76.66	153 *	70	130	
Carbon Disulfide	50.00	0.0	44.06	88	70	130	
Methylene Chloride	50.00	0.0	41.56	83	70	130	
Trans-1,2-Dichloroethene	50.00	0.0	46.07	92	70	130	
Acrylonitrile	50.00	0.0	46.90	94	70	130	
1,1-Dichloroethane	50.00	0.0	49.29	99	70	130	
Cis-1,2-Dichloroethene	50.00	0.0	49.41	99	70	130	
2,2-Dichloropropane	50.00	0.0	52.98	106	70	130	
Tetrahydrofuran (THF)	125.0	0.0	127.7	102	70	130	
Methyl Ethyl Ketone	50.00	0.0	41.14	82	70	130	
Bromochloromethane	50.00	0.0	49.70	99	70	130	
COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD	#	QC LIMITS	
						RPD	REC.
Dichlorodifluoromethane	50.00	39.82	80	0.0	30	70	130
Chloromethane	50.00	43.83	88	2.2	30	70	130
Vinyl Chloride	50.00	41.18	82	4.8	30	70	130
Bromomethane	50.00	44.74	89	4.4	30	70	130
Chloroethane	50.00	44.96	90	1.1	30	70	130
Trichlorofluoromethane	50.00	45.31	91	1.1	30	70	130
1,1-Dichloroethene	50.00	44.45	89	1.1	30	70	130
Trichlorotrifluoroethane	50.00	45.89	92	0.0	30	70	130
Acetone	50.00	31.23	62 *	84.7 *	30	70	130
Carbon Disulfide	50.00	43.20	86	2.3	30	70	130
Methylene Chloride	50.00	41.55	83	0.0	30	70	130
Trans-1,2-Dichloroethene	50.00	45.28	91	1.1	30	70	130
Acrylonitrile	50.00	45.97	92	2.2	30	70	130
1,1-Dichloroethane	50.00	48.27	97	2.0	30	70	130
Cis-1,2-Dichloroethene	50.00	48.44	97	2.0	30	70	130
2,2-Dichloropropane	50.00	50.78	102	3.8	30	70	130
Tetrahydrofuran (THF)	125.0	117.1	94	8.2	30	70	130
Methyl Ethyl Ketone	50.00	40.63	81	1.2	30	70	130
Bromochloromethane	50.00	48.34	97	2.0	30	70	130

FORM III VOA

3D
SOIL VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No: GBG09442

Matrix Spike - Client Id: BG09442 / B-11-12F MS Level:(low/med) Low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.	
Chloroform	50.00	0.0	49.43	99	70	130
1,1,1-Trichloroethane	50.00	0.0	51.14	102	70	130
Methyl t-Butyl Ether (MTBE)	50.00	0.0	49.38	99	70	130
1,1-Dichloropropene	50.00	0.0	50.80	102	70	130
Carbon Tetrachloride	50.00	0.0	51.60	103	70	130
Benzene	50.00	0.0	49.69	99	70	130
1,2-Dichloroethane	50.00	0.0	50.37	101	70	130
Trichloroethene	50.00	0.0	49.53	99	70	130
1,2-dichloropropane	50.00	0.0	50.22	100	70	130
Dibromomethane	50.00	0.0	49.51	99	70	130
Bromodichloromethane	50.00	0.0	49.76	100	70	130
cis-1,3-Dichloropropene	50.00	0.0	50.54	101	70	130
4-Methyl-2-Pentanone	50.00	0.0	47.06	94	70	130
Toluene	50.00	0.0	50.58	101	70	130
trans-1,3-Dichloropropene	50.00	0.0	51.16	102	70	130
1,1,2-Trichloroethane	50.00	0.0	49.84	100	70	130
1,2-Dibromoethane	50.00	0.0	49.19	98	70	130
Tetrachloroethene	50.00	2.9	50.23	95	70	130
1,3-Dichloropropane	50.00	0.0	46.43	93	70	130
COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD	QC LIMITS	
					RPD	REC.
Chloroform	50.00	48.69	97	2.0	30	70 130
1,1,1-Trichloroethane	50.00	49.46	99	3.0	30	70 130
Methyl t-Butyl Ether (MTBE)	50.00	49.67	99	0.0	30	70 130
1,1-Dichloropropene	50.00	48.51	97	5.0	30	70 130
Carbon Tetrachloride	50.00	49.83	100	3.0	30	70 130
Benzene	50.00	48.72	97	2.0	30	70 130
1,2-Dichloroethane	50.00	49.82	100	1.0	30	70 130
Trichloroethene	50.00	48.09	96	3.1	30	70 130
1,2-dichloropropane	50.00	48.74	97	3.0	30	70 130
Dibromomethane	50.00	49.21	98	1.0	30	70 130
Bromodichloromethane	50.00	49.04	98	2.0	30	70 130
cis-1,3-Dichloropropene	50.00	49.19	98	3.0	30	70 130
4-Methyl-2-Pentanone	50.00	46.44	93	1.1	30	70 130
Toluene	50.00	47.73	95	6.1	30	70 130
trans-1,3-Dichloropropene	50.00	49.45	99	3.0	30	70 130
1,1,2-Trichloroethane	50.00	48.66	97	3.0	30	70 130
1,2-Dibromoethane	50.00	47.76	96	2.1	30	70 130
Tetrachloroethene	50.00	48.84	92	3.2	30	70 130
1,3-Dichloropropane	50.00	46.87	94	1.1	30	70 130

FORM III VOA

3D
SOIL VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No: GBG09442

Matrix Spike - Client Id: BG09442 / B-11-12F MS Level:(low/med) Low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.		
2-Hexanone	50.00	0.0	39.46	79	70	130	
Dibromochloromethane	50.00	0.0	47.55	95	70	130	
Chlorobenzene	50.00	0.0	47.76	96	70	130	
1,1,1,2-Tetrachloroethane	50.00	0.0	48.70	97	70	130	
Ethylbenzene	50.00	0.0	48.67	97	70	130	
m&p-Xylene	100.0	0.0	97.17	97	70	130	
o-Xylene	100.0	0.0	98.25	98	70	130	
Styrene	100.0	0.0	96.53	97	70	130	
Bromoform	50.00	0.0	46.53	93	70	130	
Isopropylbenzene	50.00	0.0	48.84	98	70	130	
1,1,2,2-Tetrachloroethane	50.00	0.0	47.27	95	70	130	
Bromobenzene	50.00	0.0	47.24	94	70	130	
1,2,3-Trichloropropane	50.00	0.0	45.66	91	70	130	
n-Propylbenzene	50.00	0.0	48.14	96	70	130	
2-Chlorotoluene	50.00	0.0	48.69	97	70	130	
1,3,5-Trimethylbenzene	50.00	0.0	48.50	97	70	130	
trans-1,4-Dichloro-2-butene	250.0	0.0	232.7	93	70	130	
4-Chlorotoluene	50.00	0.0	47.74	95	70	130	
tert-Butylbenzene	50.00	0.0	49.07	98	70	130	
COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD	#	QC LIMITS	
						RPD	REC.
2-Hexanone	50.00	37.88	76	3.9	30	70	130
Dibromochloromethane	50.00	46.84	94	1.1	30	70	130
Chlorobenzene	50.00	45.54	91	5.3	30	70	130
1,1,1,2-Tetrachloroethane	50.00	47.95	96	1.0	30	70	130
Ethylbenzene	50.00	45.90	92	5.3	30	70	130
m&p-Xylene	100.0	90.97	91	6.4	30	70	130
o-Xylene	100.0	92.34	92	6.3	30	70	130
Styrene	100.0	91.08	91	6.4	30	70	130
Bromoform	50.00	45.88	92	1.1	30	70	130
Isopropylbenzene	50.00	45.48	91	7.4	30	70	130
1,1,2,2-Tetrachloroethane	50.00	46.32	93	2.1	30	70	130
Bromobenzene	50.00	44.83	90	4.3	30	70	130
1,2,3-Trichloropropane	50.00	44.79	90	1.1	30	70	130
n-Propylbenzene	50.00	43.19	86	11.0	30	70	130
2-Chlorotoluene	50.00	43.81	88	9.7	30	70	130
1,3,5-Trimethylbenzene	50.00	43.99	88	9.7	30	70	130
trans-1,4-Dichloro-2-butene	250.0	231.1	92	1.1	30	70	130
4-Chlorotoluene	50.00	43.38	87	8.8	30	70	130
tert-Butylbenzene	50.00	44.72	89	9.6	30	70	130

FORM III VOA

3D
SOIL VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No: GBG09442

Matrix Spike - Client Id: BG09442 / B-11-12F MS Level:(low/med) Low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)		MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.	
1,2,4-Trimethylbenzene	50.00	0.0		48.41	97	70	130
sec-Butylbenzene	50.00	0.0		49.35	99	70	130
1,3-Dichlorobenzene	50.00	0.0		46.41	93	70	130
p-Isopropyltoluene	50.00	0.0		48.56	97	70	130
1,4-Dichlorobenzene	50.00	0.0		45.91	92	70	130
2-Isopropyltoluene	50.00	0.0		49.22	98	70	130
n-Butylbenzene	50.00	0.0		48.43	97	70	130
1,2-Dichlorobenzene	50.00	0.0		45.72	91	70	130
1,2-Dibromo-3-Chloropropane	50.00	0.0		43.16	86	70	130
1,2,4-Trichlorobenzene	50.00	0.0		44.75	90	70	130
Hexachlorobutadiene	50.00	0.0		48.72	97	70	130
Naphthalene	50.00	0.0		45.21	90	70	130
1,2,3-Trichlorobenzene	50.00	0.0		45.20	90	70	130
COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD	#	QC LIMITS	
						RPD	REC.
1,2,4-Trimethylbenzene	50.00	43.33	87	10.9		30	70 130
sec-Butylbenzene	50.00	43.23	86	14.1		30	70 130
1,3-Dichlorobenzene	50.00	42.50	85	9.0		30	70 130
p-Isopropyltoluene	50.00	42.22	84	14.4		30	70 130
1,4-Dichlorobenzene	50.00	41.95	84	9.1		30	70 130
2-Isopropyltoluene	50.00	43.64	87	11.9		30	70 130
n-Butylbenzene	50.00	40.18	80	19.2		30	70 130
1,2-Dichlorobenzene	50.00	42.82	86	5.6		30	70 130
1,2-Dibromo-3-Chloropropane	50.00	42.02	84	2.4		30	70 130
1,2,4-Trichlorobenzene	50.00	38.05	76	16.9		30	70 130
Hexachlorobutadiene	50.00	35.52	71	31.0	*	30	70 130
Naphthalene	50.00	42.56	85	5.7		30	70 130
1,2,3-Trichlorobenzene	50.00	39.34	79	13.0		30	70 130

FORM III VOA

4A
VOLATILE METHOD BLANK SUMMARY

Client ID

BG09442 BLANK

Lab Name: Phoenix Environmental Labs

Client: EBC

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GBG09442

Lab File ID: 0214L42.D

Lab Sample ID: 5G SAND BLANK

Date Analyzed: 02/14/2014

Time Analyzed: 21:29

GC Column: rtx-vms

Lab Batch ID: 266868

Instrument ID: CHEM03

Heated Purge:(Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BG09442 LCS	LCS-50 PPB STD.	0214L38.D	19:59
02	BG09442 LCSD	LCSD-50 PPB STD.	0214L39.D	20:20
03	B-11-12F	BG09442	0214L44.D	22:12
04	B-11-24F	BG09443	0214L45.D	22:33
05	B-10-12F	BG09444	0214L46.D	22:54
06	B-10-28F	BG09445	0214L47.D	23:15
07	REF-1-6F	BG09446	0214L48.D	23:37
08	REF-2-18F	BG09447	0214L49.D	23:58
09	DUP	BG09448	0214L50.D	00:19
10	B-10-12F DILUTION	BG09444 50X	0214L52.D	01:02
11	B-11-12F MS	MS BG09442 50PPB STD	0214L55.D	02:06
12	B-11-12F MSD	MSD BG09442 50PPB STD	0214L56.D	02:27
13				
14				
15				
16				
17				
18				
19				
20				

COMMENTS:

FORM IV VOA

5B
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: EBC

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GBG09442

Lab File ID: 0212L03.D

BFB Injection Date: 02/12/14

Instrument ID: CHEM03

BFB Injection Time: 08:58

GC Column: rtx-vms

Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.5
75	30.0 - 60.0% of mass 95	53.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.4 (0.6)1
174	Greater than 50.0% of mass 95	60.1
175	5.0 - 9.0% of mass 174	4.7 (7.8)1
176	95.0 - 101.0% of mass 174	58.2 (96.9)2
177	5.0 - 9.0% of mass 176	3.9 (6.7)3

1-Value is % mass 95

2-Value is % mass 174

3-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ICAL 5.0	8260-5 ppb	0212L04.D	02/12/14	09:20
02	ICAL 10	8260-10 ppb	0212L05.D	02/12/14	09:41
03	ICAL 20	8260-20 ppb	0212L06.D	02/12/14	10:02
04	ICAL 50	8260-50 ppb	0212L07.D	02/12/14	10:24
05	ICAL 100	8260-100 ppb	0212L08.D	02/12/14	10:45
06	ICAL 150	8260-150PPB	0212L11.D	02/12/14	11:49
07					
08					
09					
10					
11					
12					
13					
14					
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22					
23					
24					
25					

FORM V DIOX

5B
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: EBC

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GBG09442

Lab File ID: 0214L36.D

BFB Injection Date: 02/14/14

Instrument ID: CHEM03

BFB Injection Time: 19:12

GC Column: rtx-vms

Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% if mass 95	23.7
75	30.0 - 60.0% of mass 95	53.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.1 (0.2)1
174	Greater than 50.0% of mass 95	60.2
175	5.0 - 9.0% of mass 174	4.7 (7.8)1
176	95.0 - 101.0% of mass 174	59.3 (98.4)2
177	5.0 - 9.0% of mass 176	3.9 (6.7)3

1-Value is % mass 95

2-Value is % mass 174

3-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCAL 50	8260-50 PPB STD.	0214L37.D	02/14/14	19:33
02	BG09442 LCS	LCS-50 PPB STD.	0214L38.D	02/14/14	19:59
03	BG09442 LCSD	LCSD-50 PPB STD.	0214L39.D	02/14/14	20:20
04	BG09442 BLANK	5G SAND BLANK	0214L42.D	02/14/14	21:29
05	B-11-12F	BG09442	0214L44.D	02/14/14	22:12
06	B-11-24F	BG09443	0214L45.D	02/14/14	22:33
07	B-10-12F	BG09444	0214L46.D	02/14/14	22:54
08	B-10-28F	BG09445	0214L47.D	02/14/14	23:15
09	REF-1-6F	BG09446	0214L48.D	02/14/14	23:37
10	REF-2-18F	BG09447	0214L49.D	02/14/14	23:58
11	DUP	BG09448	0214L50.D	02/15/14	00:19
12	B-10-12F DILUTION	BG09444 50X	0214L52.D	02/15/14	01:02
13	B-11-12F MS	MS BG09442 50PPB STD	0214L55.D	02/15/14	02:06
14	B-11-12F MSD	MSD BG09442 50PPB STD	0214L56.D	02/15/14	02:27
15	CCCAL 50	8260-50 PPB STD.	0214L57.D	02/15/14	02:48
16					
17					
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20					
21					
22					
23					
24					
25					

FORM V DIOX

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBG09442

Lab File Id: 0212L07.D Date Analyzed: 02/12/14

Instrument ID: CHEM03 Time Analyzed: 10:24

GC Column: rtx-vms ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (PFB)		IS2 (DFB)		IS3 (CBZ)		IS 4 (DCB)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	224719	2.92	423180	3.19	393157	4.87	193591	6.46
UPPER LIMIT	449438	3.42	846360	3.69	786314	5.37	387182	6.96
LOWER LIMIT	112360	2.42	211590	2.69	196579	4.37	96796	5.96
CLIENT ID								
01 ICAL 5.0	220826	2.92	416988	3.19	386795	4.87	180044	6.46
02 ICAL 10	220900	2.92	411815	3.19	383094	4.87	180881	6.46
03 ICAL 20	224255	2.92	418224	3.19	388015	4.87	183431	6.46
04 ICAL 100	233035	2.92	431482	3.19	404200	4.87	202738	6.47
05 ICAL 150	238962	2.92	437742	3.19	414536	4.87	212635	6.47
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								

IS1 (PFB) = Pentafluorobenzene
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5
 IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBG09442

Lab File Id: 0214L37.D Date Analyzed: 02/14/14

Instrument ID: CHEM03 Time Analyzed: 19:33

GC Column: rtx-vms ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (PFB) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #	IS 4 (DCB) AREA #	RT #
12 HOUR STD	209960	2.93	383948	3.21	371912	4.89	188182	6.49
UPPER LIMIT	419920	3.43	767896	3.71	743824	5.39	376364	6.99
LOWER LIMIT	104980	2.43	191974	2.71	185956	4.39	94091	5.99
CLIENT ID								
01 BG09442 LCS	213557	2.93	388231	3.21	376894	4.89	185423	6.49
02 BG09442 LCSD	217559	2.93	394613	3.21	380616	4.89	191418	6.48
03 BG09442 BLANK	207797	2.93	382092	3.21	369591	4.89	172459	6.48
04 B-11-12F	189287	2.93	353204	3.21	345646	4.89	161093	6.48
05 B-11-24F	186724	2.93	343955	3.21	337347	4.89	154609	6.48
06 B-10-12F	181256	2.93	334993	3.21	321796	4.89	146881	6.48
07 B-10-28F	181167	2.93	334385	3.21	329129	4.89	151313	6.48
08 REF-1-6F	178053	2.93	331333	3.21	310382	4.89	131756	6.48
09 REF-2-18F	180749	2.93	333699	3.21	326013	4.89	151278	6.48
10 DUP	186220	2.93	342758	3.21	333050	4.89	154460	6.48
11 B-10-12F DILUTION	194147	2.93	356585	3.21	345316	4.89	162318	6.48
12 B-11-12F MS	194430	2.93	358598	3.21	353664	4.89	175397	6.48
13 B-11-12F MSD	199462	2.93	368658	3.21	354896	4.89	175618	6.48
14 CCCAL 50	189080	2.93	344085	3.21	336492	4.89	170148	6.48
15								
16								
17								
18								
19								
20								
21								
22								

IS1 (PFB) = Pentafluorobenzene
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5
 IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

B-11-12F

Client: EBC Lab: Phoenix Env. Labs

SDG No.: GBG09442 Lab Sample ID: BG09442

Sample wt/vol: 6.28 (g/mL) g Lab File ID: 0214L44.D

Level: (low/med/meth): Low Date Received: 02/14/14

% Moisture: 0 Date Analyzed: 02/14/14

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	4.0	U	1.1	4.0
74-87-3	Chloromethane	4.0	U	2.1	4.0
75-01-4	Vinyl Chloride	4.0	U	1.3	4.0
74-83-9	Bromomethane	4.0	U	3.1	4.0
75-00-3	Chloroethane	4.0	U	0.94	4.0
75-69-4	Trichlorofluoromethane	4.0	U	0.89	4.0
75-35-4	1,1-Dichloroethene	4.0	U	0.87	4.0
76-13-1	Trichlorotrifluoroethane	4.0	U	0.62	4.0
67-64-1	Acetone	40	U	4.0	40
75-15-0	Carbon Disulfide	4.0	U	0.65	4.0
75-09-2	Methylene Chloride	4.0	U	0.66	4.0
156-60-5	Trans-1,2-Dichloroethene	4.0	U	0.80	4.0
107-13-1	Acrylonitrile	8.0	U	2.2	8.0
75-34-3	1,1-Dichloroethane	4.0	U	0.79	4.0
156-59-2	Cis-1,2-Dichloroethene	4.0	U	0.87	4.0
594-20-7	2,2-Dichloropropane	4.0	U	0.67	4.0
109-99-9	Tetrahydrofuran (THF)	8.0	U	3.6	8.0
78-93-3	Methyl Ethyl Ketone	24	U	3.5	24
74-97-5	Bromochloromethane	4.0	U	0.58	4.0
67-66-3	Chloroform	4.0	U	0.73	4.0
71-55-6	1,1,1-Trichloroethane	4.0	U	0.80	4.0
1634-04-4	Methyl t-Butyl Ether (MTBE)	8.0	U	1.1	8.0
563-58-6	1,1-Dichloropropene	4.0	U	0.78	4.0
56-23-5	Carbon Tetrachloride	4.0	U	0.46	4.0
71-43-2	Benzene	4.0	U	0.79	4.0
107-06-2	1,2-Dichloroethane	4.0	U	0.35	4.0
79-01-6	Trichloroethene	4.0	U	0.85	4.0
78-87-5	1,2-dichloropropane	4.0	U	0.57	4.0
74-95-3	Dibromomethane	4.0	U	0.50	4.0
75-27-4	Bromodichloromethane	4.0	U	0.50	4.0
10061-01-5	cis-1,3-Dichloropropene	4.0	U	0.43	4.0
108-10-1	4-Methyl-2-Pentanone	20	U	0.95	20
108-88-3	Toluene	4.0	U	0.63	4.0
10061-02-6	trans-1,3-Dichloropropene	4.0	U	0.82	4.0
79-00-5	1,1,2-Trichloroethane	4.0	U	0.39	4.0
106-93-4	1,2-Dibromoethane	4.0	U	1.1	4.0

FORM I VOA

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

B-11-12F

Client: EBC Lab: Phoenix Env. Labs

SDG No.: GBG09442 Lab Sample ID: BG09442

Sample wt/vol: 6.28 (g/mL) g Lab File ID: 0214L44.D

Level: (low/med/meth): Low Date Received: 02/14/14

% Moisture: 0 Date Analyzed: 02/14/14

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
127-18-4	Tetrachloroethene	2.9	J	0.84	4.0
142-28-9	1,3-Dichloropropane	4.0	U	0.42	4.0
591-78-6	2-Hexanone	20	U	1.8	20
124-48-1	Dibromochloromethane	4.0	U	0.45	4.0
108-90-7	Chlorobenzene	4.0	U	0.59	4.0
630-20-6	1,1,1,2-Tetrachloroethane	4.0	U	0.66	4.0
100-41-4	Ethylbenzene	4.0	U	0.73	4.0
179601-23-1	m&p-Xylene	4.0	U	1.6	4.0
95-47-6	o-Xylene	4.0	U	1.5	4.0
100-42-5	Styrene	4.0	U	1.2	4.0
75-25-2	Bromoform	4.0	U	0.56	4.0
98-82-8	Isopropylbenzene	4.0	U	0.77	4.0
79-34-5	1,1,2,2-Tetrachloroethane	4.0	U	0.57	4.0
108-86-1	Bromobenzene	4.0	U	0.52	4.0
96-18-4	1,2,3-Trichloropropane	4.0	U	0.57	4.0
103-65-1	n-Propylbenzene	4.0	U	0.72	4.0
95-49-8	2-Chlorotoluene	4.0	U	0.64	4.0
108-67-8	1,3,5-Trimethylbenzene	4.0	U	0.53	4.0
110-57-6	trans-1,4-Dichloro-2-butene	8.0	U	7.4	8.0
106-43-4	4-Chlorotoluene	4.0	U	0.46	4.0
98-06-6	tert-Butylbenzene	4.0	U	0.64	4.0
95-63-6	1,2,4-Trimethylbenzene	4.0	U	0.58	4.0
135-98-8	sec-Butylbenzene	4.0	U	0.75	4.0
541-73-1	1,3-Dichlorobenzene	4.0	U	0.59	4.0
99-87-6	p-Isopropyltoluene	4.0	U	0.58	4.0
106-46-7	1,4-Dichlorobenzene	4.0	U	0.63	4.0
527-84-4	2-Isopropyltoluene	4.0	U	0.55	4.0
104-51-8	n-Butylbenzene	4.0	U	0.73	4.0
95-50-1	1,2-Dichlorobenzene	4.0	U	0.44	4.0
96-12-8	1,2-Dibromo-3-Chloropropane	4.0	U	1.1	4.0
120-82-1	1,2,4-Trichlorobenzene	4.0	U	0.80	4.0
87-68-3	Hexachlorobutadiene	4.0	U	0.84	4.0
91-20-3	Naphthalene	4.0	U	1.1	4.0
87-61-6	1,2,3-Trichlorobenzene	4.0	U	0.80	4.0

FORM I VOA

Data Path : H:\V2014\CHEM03\02FEB\021414\
 Data File : 0214L44.D
 Acq On : 14 Feb 2014 10:12 pm
 Operator :
 Sample : BG09442
 Misc : B-11-12F
 ALS Vial : 1 Sample Multiplier: 1

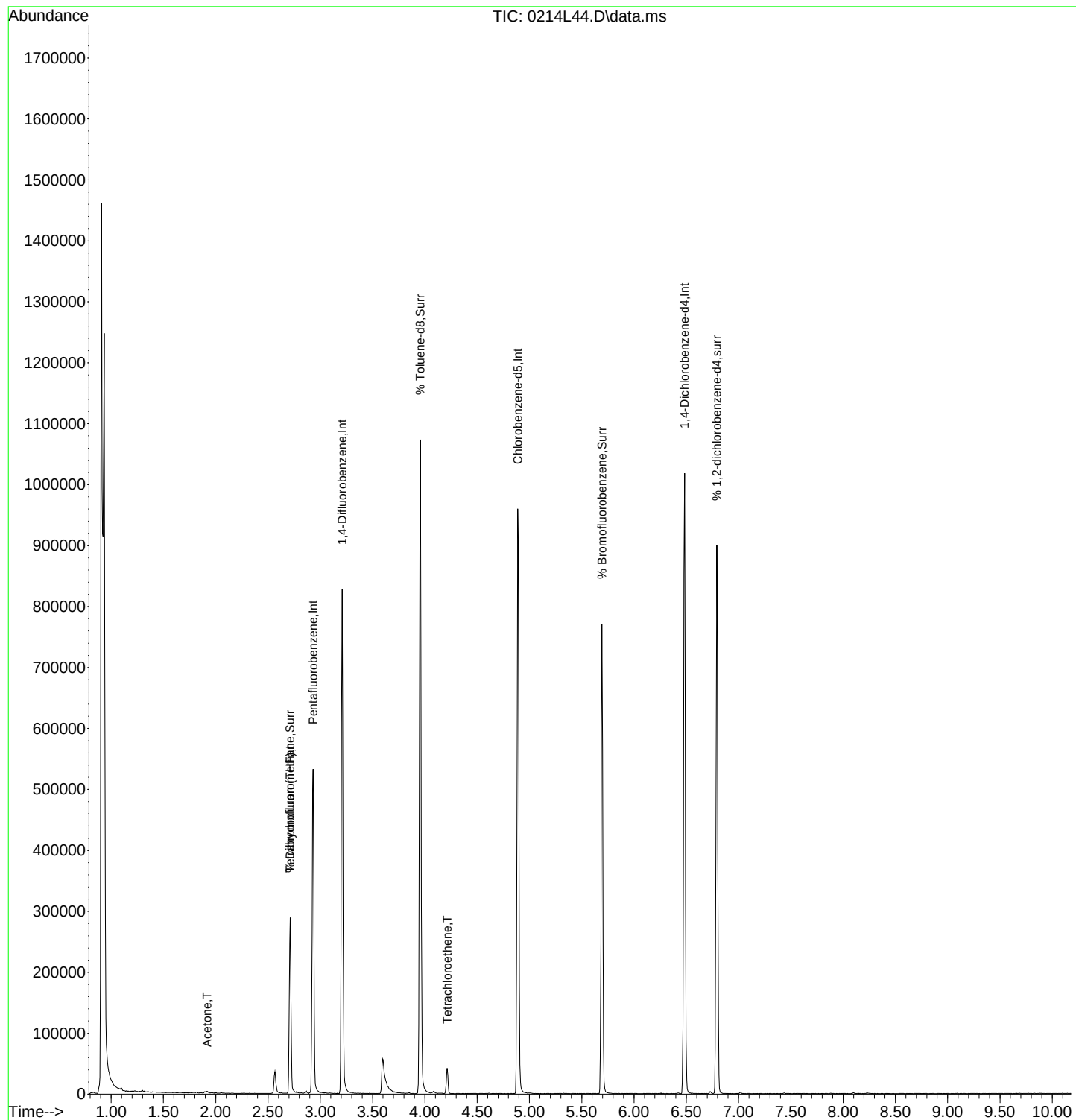
Quant Time: Feb 17 08:06:02 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Feb 17 07:58:40 2014
 Response via : Initial Calibration

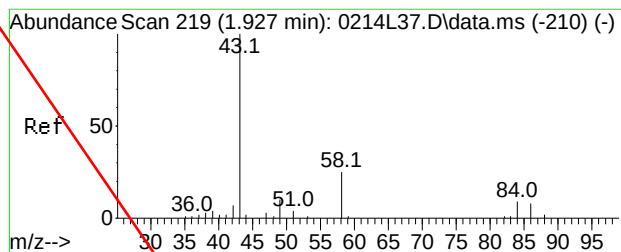
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	2.932	168	189287	50.00	ug/l	0.00
25) 1,4-Difluorobenzene	3.209	114	353204	50.00	ug/l	0.00
42) Chlorobenzene-d5	4.888	117	345646	50.00	ug/l	0.00
55) 1,4-Dichlorobenzene-d4	6.483	152	161093	50.00	ug/l	0.00
System Monitoring Compounds						
23) % Dibromofluoromethane	2.712	192	16268	49.39	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	98.78%	
37) % Toluene-d8	3.957	98	429693	50.16	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	100.32%	
54) % Bromofluorobenzene	5.693	95	180918	47.84	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	95.68%	
56) % 1,2-dichlorobenzene-d4	6.792	152	149680	51.40	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	102.80%	
Target Compounds						
					Qvalue	
~~11) Acetone~~	~~1.917~~	~~43~~	~~1482~~	~~1.73 ug/l~~	~~#~~	~~87~~
~~19) Tetrahydrofuran (THF)~~	~~2.712~~	~~42~~	~~2603~~	~~4.22 ug/l~~		~~95~~
43) Tetrachloroethene	4.213	164	5738	3.60	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : H:\V2014\CHEM03\02FEB\021414\
Data File : 0214L44.D
Acq On : 14 Feb 2014 10:12 pm
Operator :
Sample : BG09442
Misc : B-11-12F
ALS Vial : 1 Sample Multiplier: 1

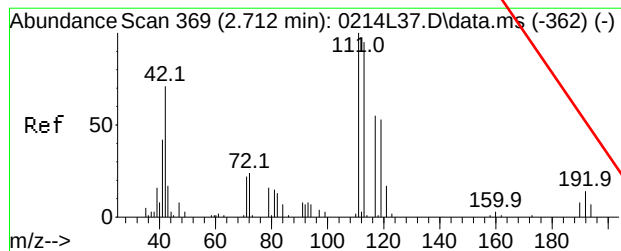
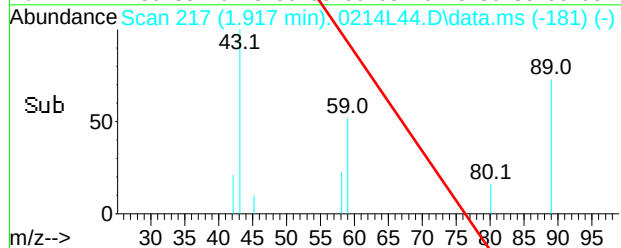
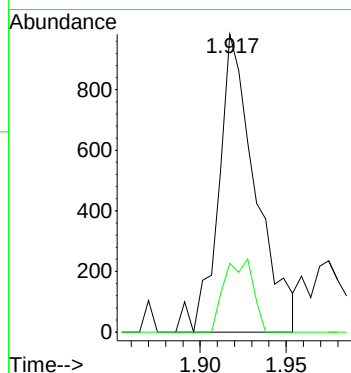
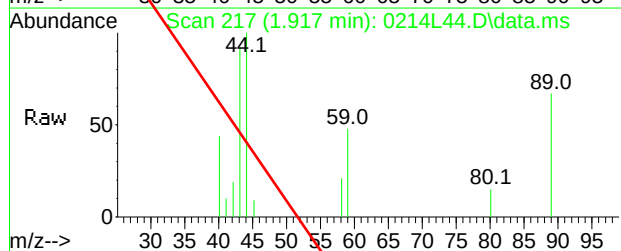
Quant Time: Feb 17 08:06:02 2014
Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Feb 17 07:58:40 2014
Response via : Initial Calibration





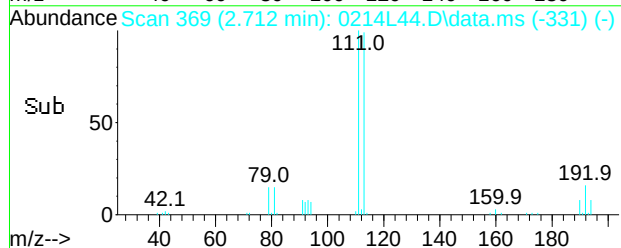
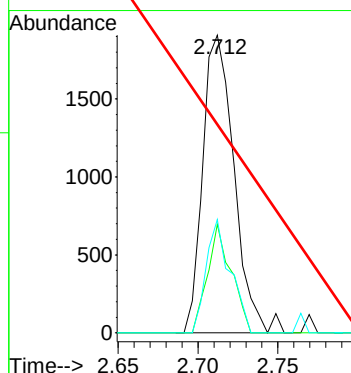
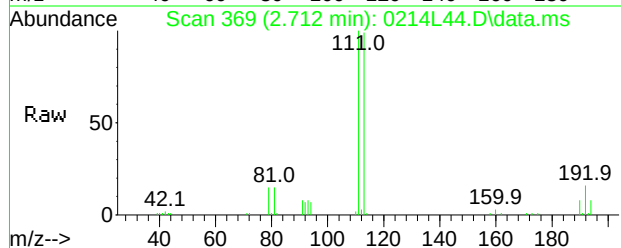
#11
Acetone
Concen: 1.73 ug/l
RT: 1.917 min Scan# 217
Delta R.T. -0.010 min
Lab File: 0214L44.D
Acq: 14 Feb 2014 10:12 pm

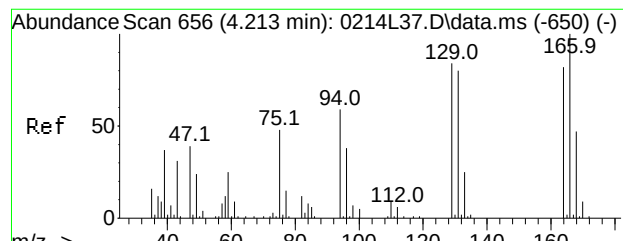
Tgt Ion: 43 Resp: 1482
Ion Ratio Lower Upper
43 100
58 18.8 20.5 30.7#



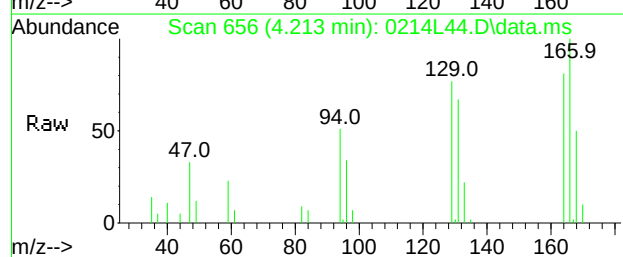
#19
Tetrahydrofuran (THF)
Concen: 4.22 ug/l
RT: 2.712 min Scan# 369
Delta R.T. 0.000 min
Lab File: 0214L44.D
Acq: 14 Feb 2014 10:12 pm

Tgt Ion: 42 Resp: 2603
Ion Ratio Lower Upper
42 100
71 27.6 23.4 35.2
72 29.3 26.6 39.8

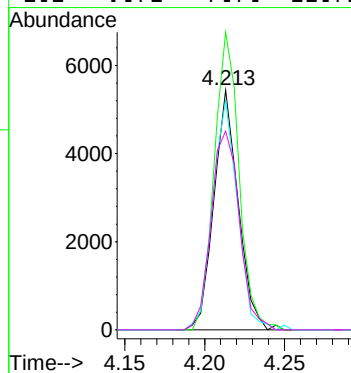
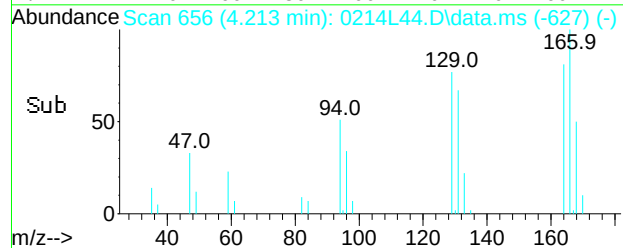




#43
Tetrachloroethene
Concen: 3.60 ug/l
RT: 4.213 min Scan# 656
Delta R.T. 0.000 min
Lab File: 0214L44.D
Acq: 14 Feb 2014 10:12 pm



Tgt Ion:	164	Resp:	5738
Ion	Ratio	Lower	Upper
164	100		
166	126.4	101.0	151.6
129	98.3	81.6	122.4
131	96.1	76.8	115.2



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

B-11-24F

Client: EBC Lab: Phoenix Env. Labs

SDG No.: GBG09442 Lab Sample ID: BG09443

Sample wt/vol: 6.76 (g/mL) g Lab File ID: 0214L45.D

Level: (low/med/meth): Low Date Received: 02/14/14

% Moisture: 0 Date Analyzed: 02/14/14

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	3.7	U	0.98	3.7
74-87-3	Chloromethane	3.7	U	1.9	3.7
75-01-4	Vinyl Chloride	3.7	U	1.2	3.7
74-83-9	Bromomethane	3.7	U	2.8	3.7
75-00-3	Chloroethane	3.7	U	0.87	3.7
75-69-4	Trichlorofluoromethane	3.7	U	0.82	3.7
75-35-4	1,1-Dichloroethene	3.7	U	0.81	3.7
76-13-1	Trichlorotrifluoroethane	3.7	U	0.58	3.7
67-64-1	Acetone	37	U	3.7	37
75-15-0	Carbon Disulfide	3.7	U	0.60	3.7
75-09-2	Methylene Chloride	3.7	U	0.61	3.7
156-60-5	Trans-1,2-Dichloroethene	3.7	U	0.74	3.7
107-13-1	Acrylonitrile	7.4	U	2.1	7.4
75-34-3	1,1-Dichloroethane	3.7	U	0.73	3.7
156-59-2	Cis-1,2-Dichloroethene	3.7	U	0.81	3.7
594-20-7	2,2-Dichloropropane	3.7	U	0.62	3.7
109-99-9	Tetrahydrofuran (THF)	7.4	U	3.3	7.4
78-93-3	Methyl Ethyl Ketone	22	U	3.2	22
74-97-5	Bromochloromethane	3.7	U	0.54	3.7
67-66-3	Chloroform	3.7	U	0.67	3.7
71-55-6	1,1,1-Trichloroethane	3.7	U	0.74	3.7
1634-04-4	Methyl t-Butyl Ether (MTBE)	7.4	U	1.0	7.4
563-58-6	1,1-Dichloropropene	3.7	U	0.72	3.7
56-23-5	Carbon Tetrachloride	3.7	U	0.43	3.7
71-43-2	Benzene	3.7	U	0.73	3.7
107-06-2	1,2-Dichloroethane	3.7	U	0.33	3.7
79-01-6	Trichloroethene	3.7	U	0.78	3.7
78-87-5	1,2-dichloropropane	3.7	U	0.53	3.7
74-95-3	Dibromomethane	3.7	U	0.47	3.7
75-27-4	Bromodichloromethane	3.7	U	0.46	3.7
10061-01-5	cis-1,3-Dichloropropene	3.7	U	0.40	3.7
108-10-1	4-Methyl-2-Pentanone	19	U	0.88	19
108-88-3	Toluene	3.7	U	0.58	3.7
10061-02-6	trans-1,3-Dichloropropene	3.7	U	0.75	3.7
79-00-5	1,1,2-Trichloroethane	3.7	U	0.36	3.7
106-93-4	1,2-Dibromoethane	3.7	U	0.98	3.7

FORM I VOA

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VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

B-11-24F

Client: EBC Lab: Phoenix Env. Labs

SDG No.: GBG09442 Lab Sample ID: BG09443

Sample wt/vol: 6.76 (g/mL) g Lab File ID: 0214L45.D

Level: (low/med/meth): Low Date Received: 02/14/14

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Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
127-18-4	Tetrachloroethene	3.7	U	0.78	3.7
142-28-9	1,3-Dichloropropane	3.7	U	0.39	3.7
591-78-6	2-Hexanone	19	U	1.7	19
124-48-1	Dibromochloromethane	3.7	U	0.41	3.7
108-90-7	Chlorobenzene	3.7	U	0.55	3.7
630-20-6	1,1,1,2-Tetrachloroethane	3.7	U	0.61	3.7
100-41-4	Ethylbenzene	3.7	U	0.67	3.7
179601-23-1	m&p-Xylene	3.7	U	1.5	3.7
95-47-6	o-Xylene	3.7	U	1.4	3.7
100-42-5	Styrene	3.7	U	1.1	3.7
75-25-2	Bromoform	3.7	U	0.52	3.7
98-82-8	Isopropylbenzene	3.7	U	0.71	3.7
79-34-5	1,1,2,2-Tetrachloroethane	3.7	U	0.53	3.7
108-86-1	Bromobenzene	3.7	U	0.48	3.7
96-18-4	1,2,3-Trichloropropane	3.7	U	0.53	3.7
103-65-1	n-Propylbenzene	3.7	U	0.67	3.7
95-49-8	2-Chlorotoluene	3.7	U	0.59	3.7
108-67-8	1,3,5-Trimethylbenzene	3.7	U	0.49	3.7
110-57-6	trans-1,4-Dichloro-2-butene	7.4	U	6.9	7.4
106-43-4	4-Chlorotoluene	3.7	U	0.43	3.7
98-06-6	tert-Butylbenzene	3.7	U	0.59	3.7
95-63-6	1,2,4-Trimethylbenzene	3.7	U	0.53	3.7
135-98-8	sec-Butylbenzene	3.7	U	0.70	3.7
541-73-1	1,3-Dichlorobenzene	3.7	U	0.55	3.7
99-87-6	p-Isopropyltoluene	3.7	U	0.53	3.7
106-46-7	1,4-Dichlorobenzene	3.7	U	0.58	3.7
527-84-4	2-Isopropyltoluene	3.7	U	0.51	3.7
104-51-8	n-Butylbenzene	3.7	U	0.67	3.7
95-50-1	1,2-Dichlorobenzene	3.7	U	0.41	3.7
96-12-8	1,2-Dibromo-3-Chloropropane	3.7	U	0.99	3.7
120-82-1	1,2,4-Trichlorobenzene	3.7	U	0.74	3.7
87-68-3	Hexachlorobutadiene	3.7	U	0.78	3.7
91-20-3	Naphthalene	3.7	U	0.99	3.7
87-61-6	1,2,3-Trichlorobenzene	3.7	U	0.74	3.7

FORM I VOA

Data Path : H:\V2014\CHEM03\02FEB\021414\
 Data File : 0214L45.D
 Acq On : 14 Feb 2014 10:33 pm
 Operator :
 Sample : BG09443
 Misc : B-11-24F
 ALS Vial : 1 Sample Multiplier: 1

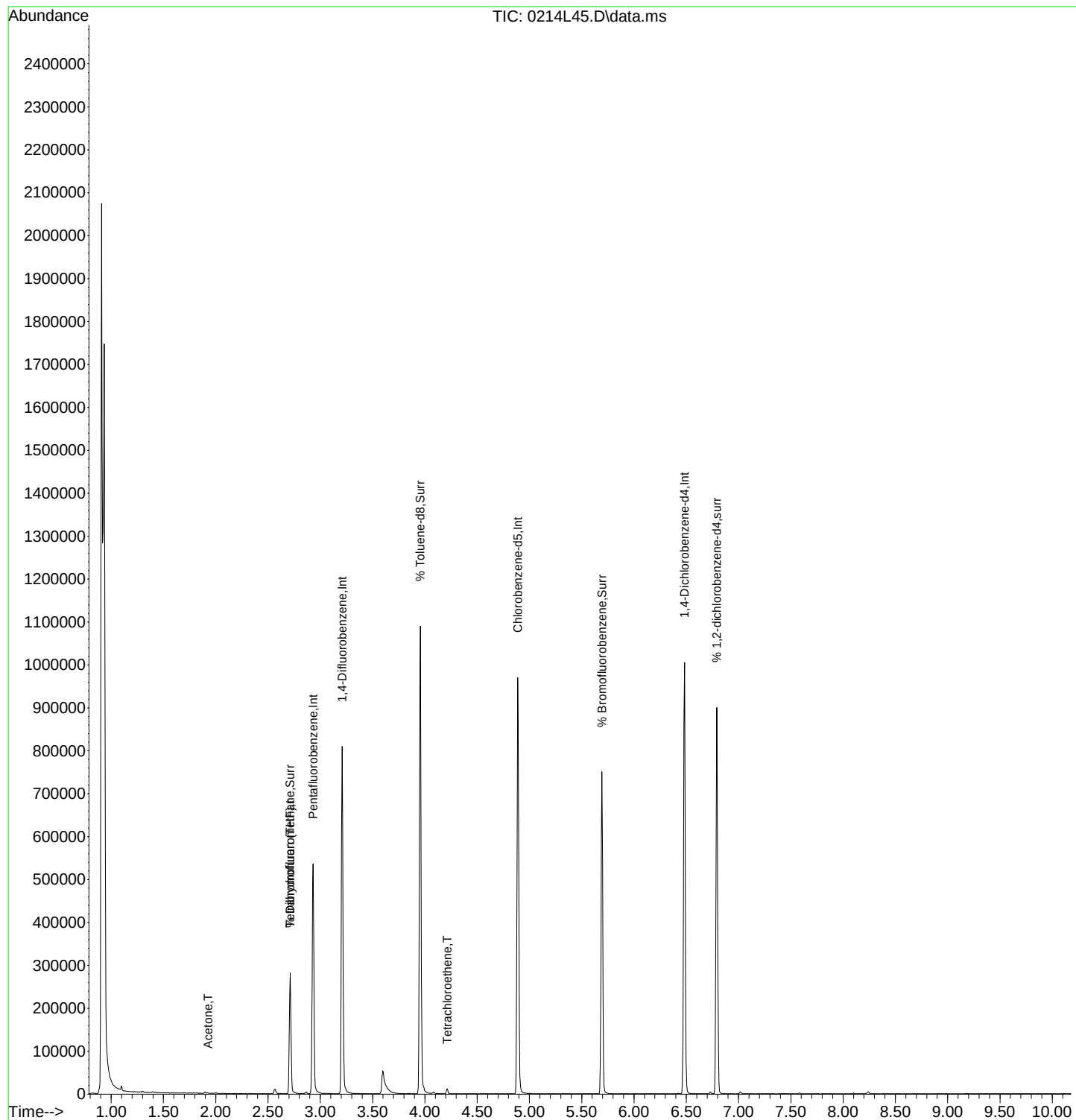
Quant Time: Feb 17 08:06:43 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Feb 17 07:58:40 2014
 Response via : Initial Calibration

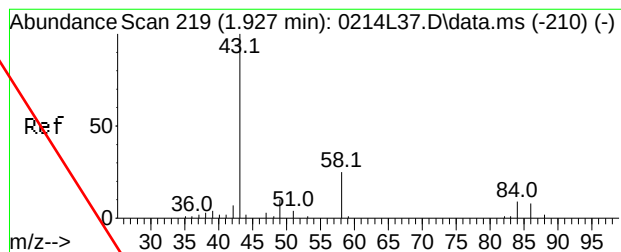
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	2.932	168	186724	50.00	ug/l	0.00
25) 1,4-Difluorobenzene	3.209	114	343955	50.00	ug/l	0.00
42) Chlorobenzene-d5	4.888	117	337347	50.00	ug/l	0.00
55) 1,4-Dichlorobenzene-d4	6.483	152	154609	50.00	ug/l	0.00
System Monitoring Compounds						
23) % Dibromofluoromethane	2.712	192	16266	50.06	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	= 100.12%		
37) % Toluene-d8	3.957	98	425561	51.01	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	= 102.02%		
54) % Bromofluorobenzene	5.693	95	175735	47.61	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	= 95.22%		
56) % 1,2-dichlorobenzene-d4	6.792	152	143025	51.17	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	= 102.34%		
Target Compounds						Qvalue
~~11) Acetone~~	~~1.928~~	~~43~~	~~1132~~	~~1.34 ug/l~~	~~#~~	~~85~~
~~19) Tetrahydrofuran (THF)~~	~~2.712~~	~~42~~	~~1067~~	~~1.75 ug/l~~	~~#~~	~~89~~
~~43) Tetrachloroethene~~	~~4.213~~	~~164~~	~~1610~~	~~1.04 ug/l~~		~~94~~

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : H:\V2014\CHEM03\02FEB\021414\
Data File : 0214L45.D
Acq On : 14 Feb 2014 10:33 pm
Operator :
Sample : BG09443
Misc : B-11-24F
ALS Vial : 1 Sample Multiplier: 1

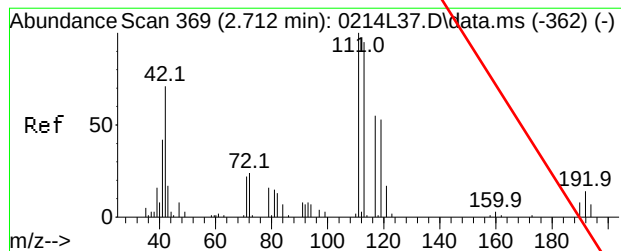
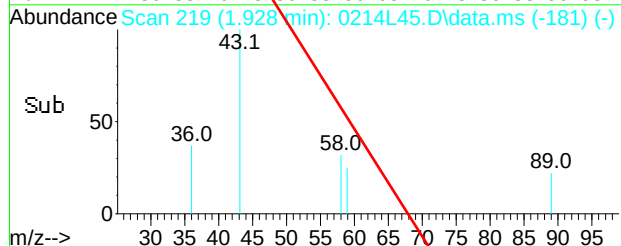
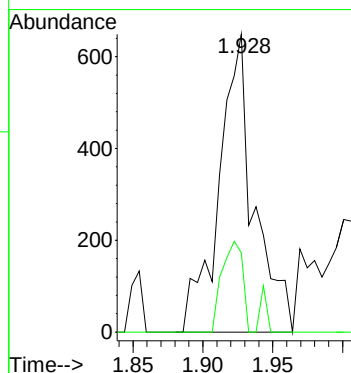
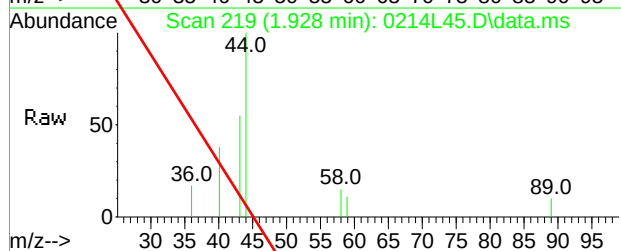
Quant Time: Feb 17 08:06:43 2014
Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Feb 17 07:58:40 2014
Response via : Initial Calibration





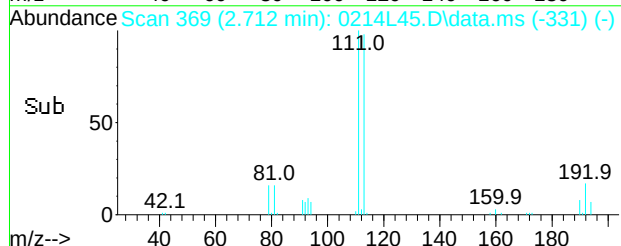
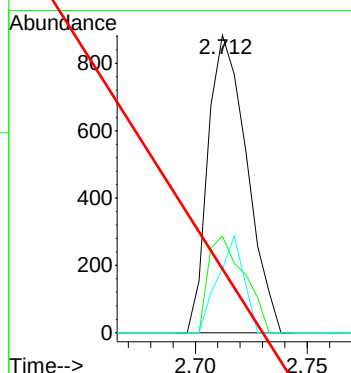
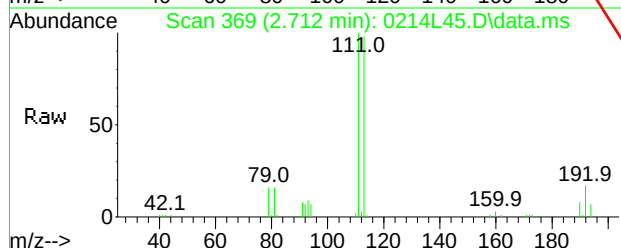
#11
Acetone
Concen: 1.34 ug/l
RT: 1.928 min Scan# 219
Delta R.T. 0.000 min
Lab File: 0214L45.D
Acq: 14 Feb 2014 10:33 pm

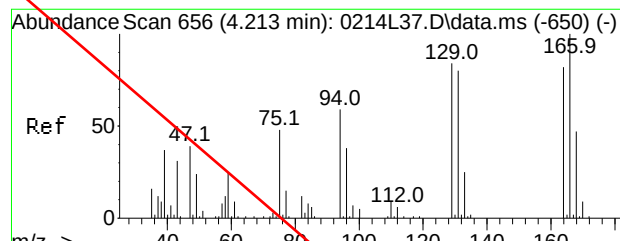
Tgt Ion: 43 Resp: 1132
Ion Ratio Lower Upper
43 100
58 18.1 20.5 30.7#



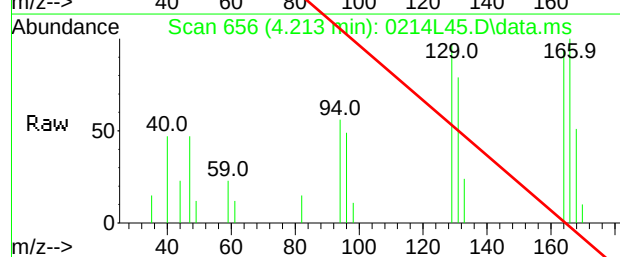
#19
Tetrahydrofuran (THF)
Concen: 1.75 ug/l
RT: 2.712 min Scan# 369
Delta R.T. 0.000 min
Lab File: 0214L45.D
Acq: 14 Feb 2014 10:33 pm

Tgt Ion: 42 Resp: 1067
Ion Ratio Lower Upper
42 100
71 30.1 23.4 35.2
72 21.7 26.6 39.8#

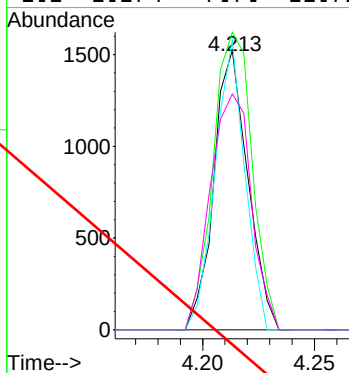
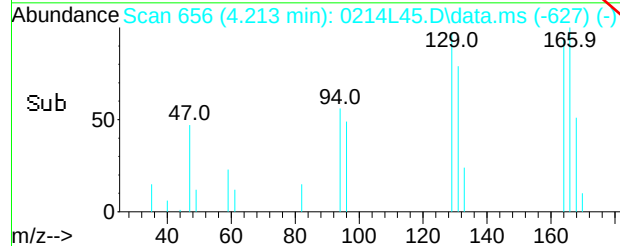




#43
Tetrachloroethene
Concen: 1.04 ug/l
RT: 4.213 min Scan# 656
Delta R.T. 0.000 min
Lab File: 0214L45.D
Acq: 14 Feb 2014 10:33 pm



Tgt Ion:164 Resp: 1610
Ion Ratio Lower Upper
164 100
166 122.7 101.0 151.6
129 90.9 81.6 122.4
131 101.4 76.8 115.2



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

B-10-12F

Client: EBC Lab: Phoenix Env. Labs

SDG No.: GBG09442 Lab Sample ID: BG09444

Sample wt/vol: 7.56 (g/mL) g Lab File ID: 0214L46.D

Level: (low/med/meth): Low Date Received: 02/14/14

% Moisture: 0 Date Analyzed: 02/14/14

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	3.3	U	0.88	3.3
74-87-3	Chloromethane	3.3	U	1.7	3.3
75-01-4	Vinyl Chloride	3.3	U	1.1	3.3
74-83-9	Bromomethane	3.3	U	2.5	3.3
75-00-3	Chloroethane	3.3	U	0.77	3.3
75-69-4	Trichlorofluoromethane	3.3	U	0.73	3.3
75-35-4	1,1-Dichloroethene	3.3	U	0.72	3.3
76-13-1	Trichlorotrifluoroethane	3.3	U	0.51	3.3
67-64-1	Acetone	5.7	JBS	3.3	33
75-15-0	Carbon Disulfide	3.3	U	0.53	3.3
75-09-2	Methylene Chloride	3.3	U	0.54	3.3
156-60-5	Trans-1,2-Dichloroethene	3.3	U	0.66	3.3
107-13-1	Acrylonitrile	6.6	U	1.9	6.6
75-34-3	1,1-Dichloroethane	3.3	U	0.65	3.3
156-59-2	Cis-1,2-Dichloroethene	3.3	U	0.72	3.3
594-20-7	2,2-Dichloropropane	3.3	U	0.55	3.3
109-99-9	Tetrahydrofuran (THF)	6.6	U	3.0	6.6
78-93-3	Methyl Ethyl Ketone	20	U	2.9	20
74-97-5	Bromochloromethane	3.3	U	0.48	3.3
67-66-3	Chloroform	3.3	U	0.60	3.3
71-55-6	1,1,1-Trichloroethane	3.3	U	0.66	3.3
1634-04-4	Methyl t-Butyl Ether (MTBE)	6.6	U	0.91	6.6
563-58-6	1,1-Dichloropropene	3.3	U	0.64	3.3
56-23-5	Carbon Tetrachloride	3.3	U	0.38	3.3
71-43-2	Benzene	3.3	U	0.65	3.3
107-06-2	1,2-Dichloroethane	3.3	U	0.29	3.3
79-01-6	Trichloroethene	3.3	U	0.70	3.3
78-87-5	1,2-dichloropropane	3.3	U	0.47	3.3
74-95-3	Dibromomethane	3.3	U	0.42	3.3
75-27-4	Bromodichloromethane	3.3	U	0.41	3.3
10061-01-5	cis-1,3-Dichloropropene	3.3	U	0.36	3.3
108-10-1	4-Methyl-2-Pentanone	17	U	0.79	17
108-88-3	Toluene	3.3	U	0.52	3.3
10061-02-6	trans-1,3-Dichloropropene	3.3	U	0.67	3.3
79-00-5	1,1,2-Trichloroethane	3.3	U	0.32	3.3
106-93-4	1,2-Dibromoethane	3.3	U	0.88	3.3

FORM I VOA

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

B-10-12F

Client: EBC Lab: Phoenix Env. Labs

SDG No.: GBG09442 Lab Sample ID: BG09444

Sample wt/vol: 7.56 (g/mL) g Lab File ID: 0214L46.D

Level: (low/med/meth): Low Date Received: 02/14/14

% Moisture: 0 Date Analyzed: 02/14/14

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
127-18-4	Tetrachloroethene	13	E	0.73	3.3
142-28-9	1,3-Dichloropropane	3.3	U	0.35	3.3
591-78-6	2-Hexanone	17	U	1.5	17
124-48-1	Dibromochloromethane	3.3	U	0.37	3.3
108-90-7	Chlorobenzene	3.3	U	0.49	3.3
630-20-6	1,1,1,2-Tetrachloroethane	3.3	U	0.54	3.3
100-41-4	Ethylbenzene	3.3	U	0.60	3.3
179601-23-1	m&p-Xylene	3.3	U	1.3	3.3
95-47-6	o-Xylene	3.3	U	1.3	3.3
100-42-5	Styrene	3.3	U	0.95	3.3
75-25-2	Bromoform	3.3	U	0.46	3.3
98-82-8	Isopropylbenzene	3.3	U	0.63	3.3
79-34-5	1,1,2,2-Tetrachloroethane	3.3	U	0.47	3.3
108-86-1	Bromobenzene	3.3	U	0.43	3.3
96-18-4	1,2,3-Trichloropropane	3.3	U	0.47	3.3
103-65-1	n-Propylbenzene	3.3	U	0.59	3.3
95-49-8	2-Chlorotoluene	3.3	U	0.53	3.3
108-67-8	1,3,5-Trimethylbenzene	3.3	U	0.44	3.3
110-57-6	trans-1,4-Dichloro-2-butene	6.6	U	6.1	6.6
106-43-4	4-Chlorotoluene	3.3	U	0.38	3.3
98-06-6	tert-Butylbenzene	3.3	U	0.53	3.3
95-63-6	1,2,4-Trimethylbenzene	3.3	U	0.48	3.3
135-98-8	sec-Butylbenzene	3.3	U	0.62	3.3
541-73-1	1,3-Dichlorobenzene	3.3	U	0.49	3.3
99-87-6	p-Isopropyltoluene	3.3	U	0.48	3.3
106-46-7	1,4-Dichlorobenzene	3.3	U	0.52	3.3
527-84-4	2-Isopropyltoluene	3.3	U	0.46	3.3
104-51-8	n-Butylbenzene	3.3	U	0.60	3.3
95-50-1	1,2-Dichlorobenzene	3.3	U	0.36	3.3
96-12-8	1,2-Dibromo-3-Chloropropane	3.3	U	0.88	3.3
120-82-1	1,2,4-Trichlorobenzene	3.3	U	0.66	3.3
87-68-3	Hexachlorobutadiene	3.3	U	0.69	3.3
91-20-3	Naphthalene	3.3	U	0.88	3.3
87-61-6	1,2,3-Trichlorobenzene	3.3	U	0.66	3.3

FORM I VOA

Data Path : H:\V2014\CHEM03\02FEB\021414\
 Data File : 0214L46.D
 Acq On : 14 Feb 2014 10:54 pm
 Operator :
 Sample : BG09444
 Misc : B-10-12F
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 08:07:21 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Feb 17 07:58:40 2014
 Response via : Initial Calibration

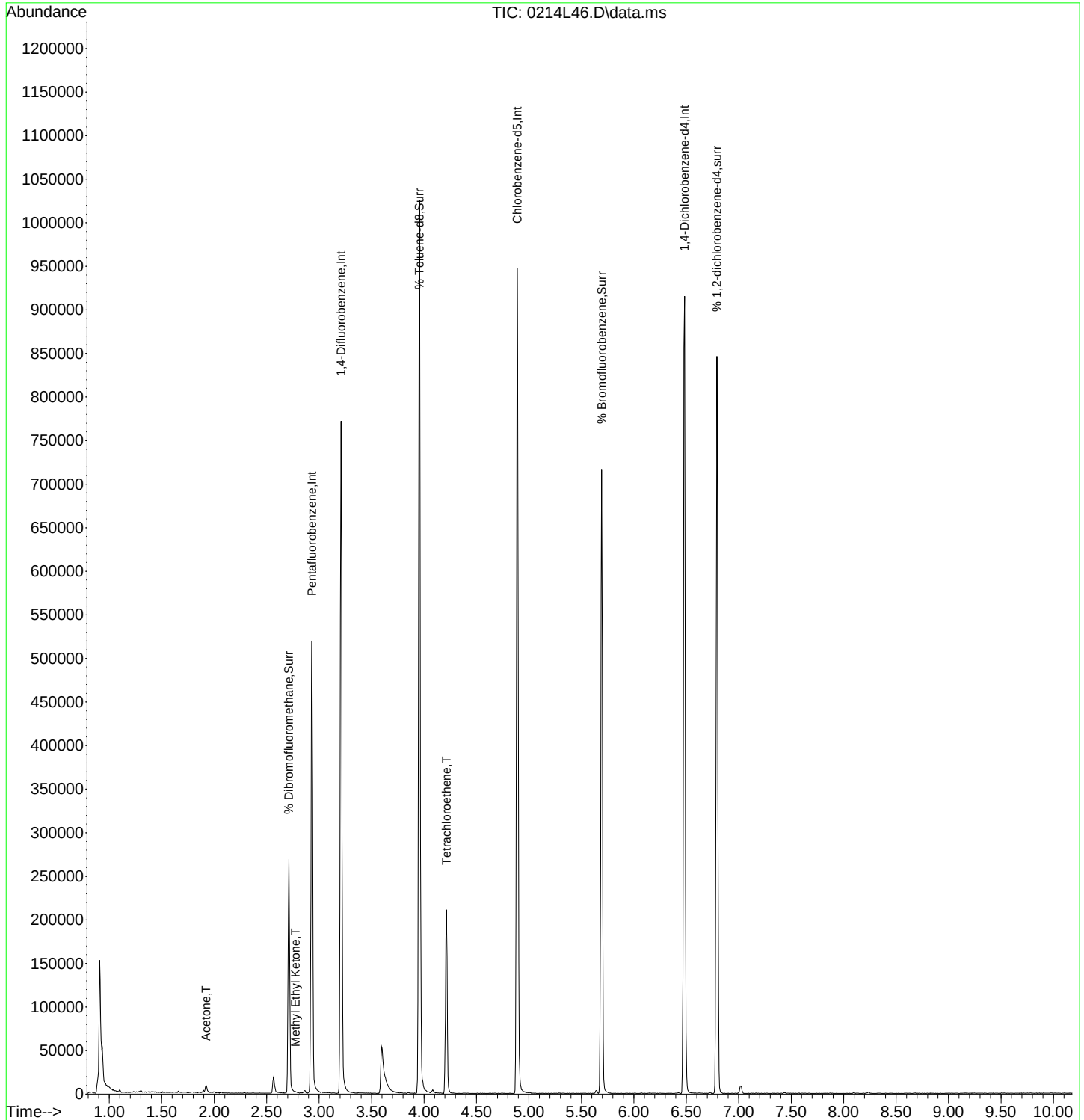
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

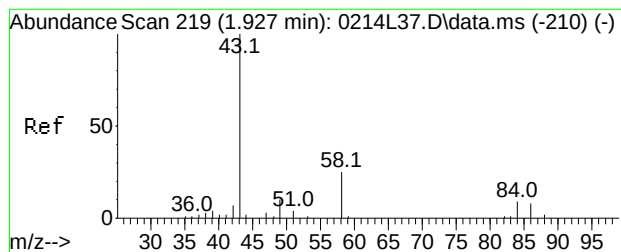
Internal Standards						
1) Pentafluorobenzene	2.932	168	181256	50.00	ug/l	0.00
25) 1,4-Difluorobenzene	3.209	114	334993	50.00	ug/l	0.00
42) Chlorobenzene-d5	4.888	117	321796	50.00	ug/l	0.00
55) 1,4-Dichlorobenzene-d4	6.483	152	146881	50.00	ug/l	0.00
System Monitoring Compounds						
23) % Dibromofluoromethane	2.712	192	14612	46.33	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	92.66%	
37) % Toluene-d8	3.957	98	405648	49.92	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	99.84%	
54) % Bromofluorobenzene	5.693	95	169827	48.23	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	96.46%	
56) % 1,2-dichlorobenzene-d4	6.792	152	136792	51.52	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	103.04%	
Target Compounds						
11) Acetone	1.922	43	7074	8.61	ug/l	98
~~20) Methyl Ethyl Ketone~~	~~2.775~~	~~43~~	~~616~~	~~0.49~~	~~ug/l~~	~~# 55~~
43) Tetrachloroethene	4.213	164	29103	19.61	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : H:\V2014\CHEM03\02FEB\021414\
Data File : 0214L46.D
Acq On : 14 Feb 2014 10:54 pm
Operator :
Sample : BG09444
Misc : B-10-12F
ALS Vial : 1 Sample Multiplier: 1

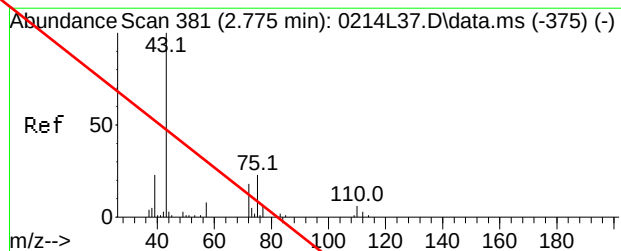
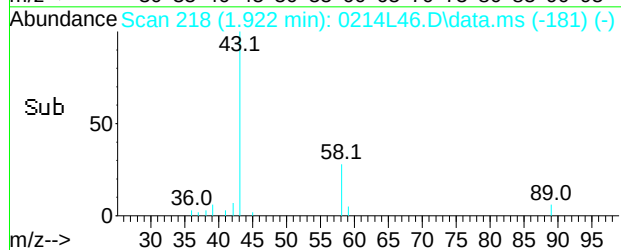
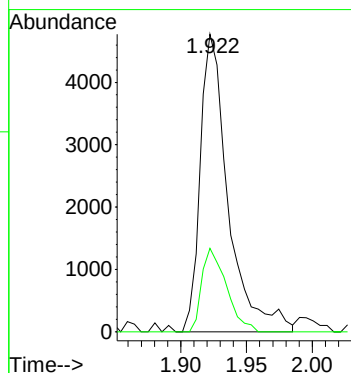
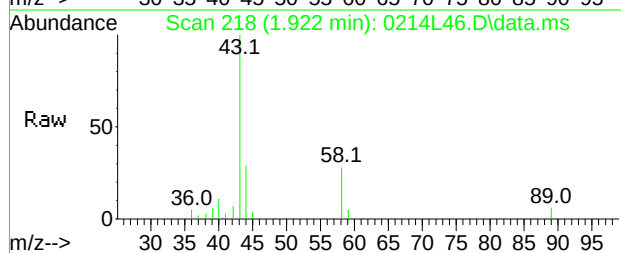
Quant Time: Feb 17 08:07:21 2014
Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Feb 17 07:58:40 2014
Response via : Initial Calibration





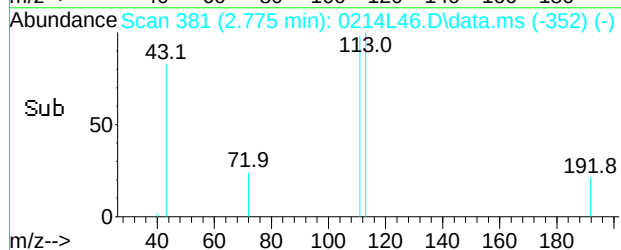
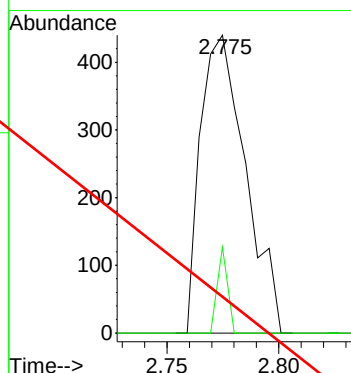
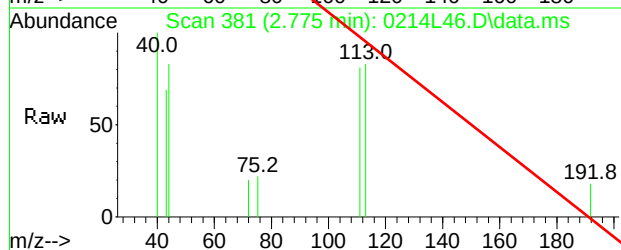
#11
Acetone
Concen: 8.61 ug/l
RT: 1.922 min Scan# 218
Delta R.T. -0.005 min
Lab File: 0214L46.D
Acq: 14 Feb 2014 10:54 pm

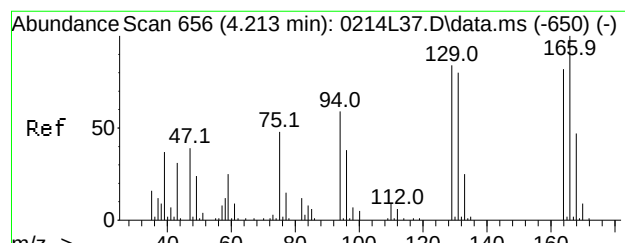
Tgt Ion: 43 Resp: 7074
Ion Ratio Lower Upper
43 100
58 24.7 20.5 30.7



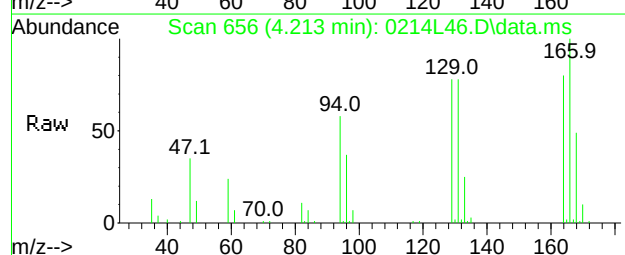
#20
Methyl Ethyl Ketone
Concen: 0.49 ug/l
RT: 2.775 min Scan# 381
Delta R.T. 0.000 min
Lab File: 0214L46.D
Acq: 14 Feb 2014 10:54 pm

Tgt Ion: 43 Resp: 616
Ion Ratio Lower Upper
43 100
72 6.5 25.3 37.9#

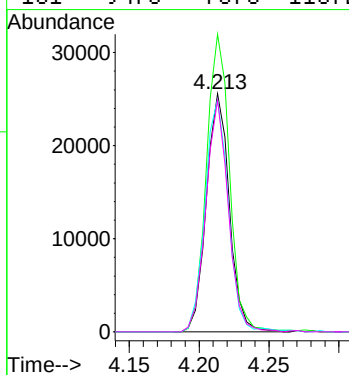
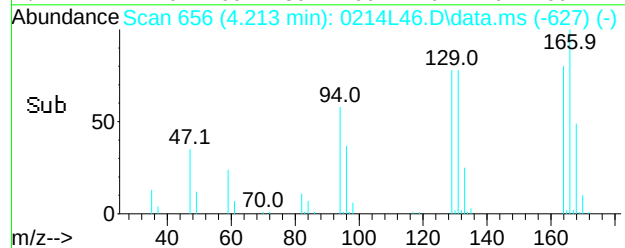




#43
Tetrachloroethene
Concen: 19.61 ug/l
RT: 4.213 min Scan# 656
Delta R.T. 0.000 min
Lab File: 0214L46.D
Acq: 14 Feb 2014 10:54 pm



Tgt Ion:	164	Resp:	29103
Ion	Ratio	Lower	Upper
164	100		
166	126.1	101.0	151.6
129	99.5	81.6	122.4
131	94.6	76.8	115.2



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>EBC</u>	Lab:	<u>Phoenix Env. Labs</u>	B-10-12F DILUTION
SDG No.:	<u>GBG09442</u>	Lab Sample ID:	<u>BG09444 50X</u>	
Sample wt/vol:	<u>12.24</u> (g/mL) <u>g</u>	Lab File ID:	<u>0214L52.D</u>	
Level: (low/med/meth):	<u>Meth</u>	Date Received:	<u>02/14/14</u>	
% Moisture:	<u>0</u>	Date Analyzed:	<u>02/15/14</u>	
Instrument:	<u>CHEM03</u>	Column:	<u>rtx-vms</u>	Dilution Factor:
				<u>63</u>
Soil Extract Volume	<u>10000</u> (uL)	pH:	<u>< 2</u>	Soil Aliquot Vol:
				<u>79</u> (uL)
Matrix: (soil/water)	<u>SOIL</u>	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>ug/Kg</u>		

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	260	U	67	260
74-87-3	Chloromethane	260	U	130	260
75-01-4	Vinyl Chloride	260	U	82	260
74-83-9	Bromomethane	260	U	200	260
75-00-3	Chloroethane	260	U	62	260
75-69-4	Trichlorofluoromethane	260	U	57	260
75-35-4	1,1-Dichloroethene	260	U	57	260
76-13-1	Trichlorotrifluoroethane	260	U	40	260
67-64-1	Acetone	2600	U	260	2600
75-15-0	Carbon Disulfide	260	U	42	260
75-09-2	Methylene Chloride	260	U	42	260
156-60-5	Trans-1,2-Dichloroethene	260	U	51	260
107-13-1	Acrylonitrile	510	U	140	510
75-34-3	1,1-Dichloroethane	260	U	51	260
156-59-2	Cis-1,2-Dichloroethene	260	U	57	260
594-20-7	2,2-Dichloropropane	260	U	43	260
109-99-9	Tetrahydrofuran (THF)	510	U	230	510
78-93-3	Methyl Ethyl Ketone	1500	U	220	1500
74-97-5	Bromochloromethane	260	U	38	260
67-66-3	Chloroform	260	U	47	260
71-55-6	1,1,1-Trichloroethane	260	U	51	260
1634-04-4	Methyl t-Butyl Ether (MTBE)	510	U	72	510
563-58-6	1,1-Dichloropropene	260	U	50	260
56-23-5	Carbon Tetrachloride	260	U	30	260
71-43-2	Benzene	260	U	51	260
107-06-2	1,2-Dichloroethane	260	U	23	260
79-01-6	Trichloroethene	260	U	57	260
78-87-5	1,2-dichloropropane	260	U	37	260
74-95-3	Dibromomethane	260	U	32	260
75-27-4	Bromodichloromethane	260	U	32	260
10061-01-5	cis-1,3-Dichloropropene	260	U	28	260
108-10-1	4-Methyl-2-Pentanone	1300	U	62	1300
108-88-3	Toluene	260	U	41	260
10061-02-6	trans-1,3-Dichloropropene	260	U	51	260
79-00-5	1,1,2-Trichloroethane	260	U	25	260
106-93-4	1,2-Dibromoethane	260	U	67	260

FORM I VOA

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>EBC</u>	Lab:	<u>Phoenix Env. Labs</u>	B-10-12F DILUTION
SDG No.:	<u>GBG09442</u>	Lab Sample ID:	<u>BG09444 50X</u>	
Sample wt/vol:	<u>12.24</u> (g/mL)	<u>g</u>	Lab File ID:	<u>0214L52.D</u>
Level: (low/med/meth):	<u>Meth</u>	Date Received:	<u>02/14/14</u>	
% Moisture:	<u>0</u>	Date Analyzed:	<u>02/15/14</u>	
Instrument:	<u>CHEM03</u>	Column:	<u>rtx-vms</u>	Dilution Factor:
			<u>63</u>	
Soil Extract Volume	<u>10000</u> (uL)	pH:	<u>< 2</u>	Soil Aliquot Vol:
			<u>79</u> (uL)	
Matrix: (soil/water)	<u>SOIL</u>	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>ug/Kg</u>		

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
127-18-4	Tetrachloroethene	290	D	54	260
142-28-9	1,3-Dichloropropane	260	U	27	260
591-78-6	2-Hexanone	1300	U	120	1300
124-48-1	Dibromochloromethane	260	U	29	260
108-90-7	Chlorobenzene	260	U	38	260
630-20-6	1,1,1,2-Tetrachloroethane	260	U	42	260
100-41-4	Ethylbenzene	260	U	47	260
179601-23-1	m&p-Xylene	260	U	100	260
95-47-6	o-Xylene	260	U	98	260
100-42-5	Styrene	260	U	72	260
75-25-2	Bromoform	260	U	36	260
98-82-8	Isopropylbenzene	260	U	49	260
79-34-5	1,1,2,2-Tetrachloroethane	260	U	37	260
108-86-1	Bromobenzene	260	U	33	260
96-18-4	1,2,3-Trichloropropane	260	U	37	260
103-65-1	n-Propylbenzene	260	U	46	260
95-49-8	2-Chlorotoluene	260	U	41	260
108-67-8	1,3,5-Trimethylbenzene	260	U	34	260
110-57-6	trans-1,4-Dichloro-2-butene	510	U	480	510
106-43-4	4-Chlorotoluene	260	U	30	260
98-06-6	tert-Butylbenzene	260	U	41	260
95-63-6	1,2,4-Trimethylbenzene	260	U	37	260
135-98-8	sec-Butylbenzene	260	U	48	260
541-73-1	1,3-Dichlorobenzene	260	U	38	260
99-87-6	p-Isopropyltoluene	260	U	37	260
106-46-7	1,4-Dichlorobenzene	260	U	41	260
527-84-4	2-Isopropyltoluene	260	U	36	260
104-51-8	n-Butylbenzene	260	U	47	260
95-50-1	1,2-Dichlorobenzene	260	U	28	260
96-12-8	1,2-Dibromo-3-Chloropropane	260	U	67	260
120-82-1	1,2,4-Trichlorobenzene	260	U	51	260
87-68-3	Hexachlorobutadiene	260	U	57	260
91-20-3	Naphthalene	260	U	67	260
87-61-6	1,2,3-Trichlorobenzene	260	U	51	260

FORM I VOA

Data Path : H:\V2014\CHEM03\02FEB\021414\
 Data File : 0214L52.D
 Acq On : 15 Feb 2014 1:02 am
 Operator :
 Sample : BG09444 50X
 Misc : B-10-12F DILUTION
 ALS Vial : 1 Sample Multiplier: 1

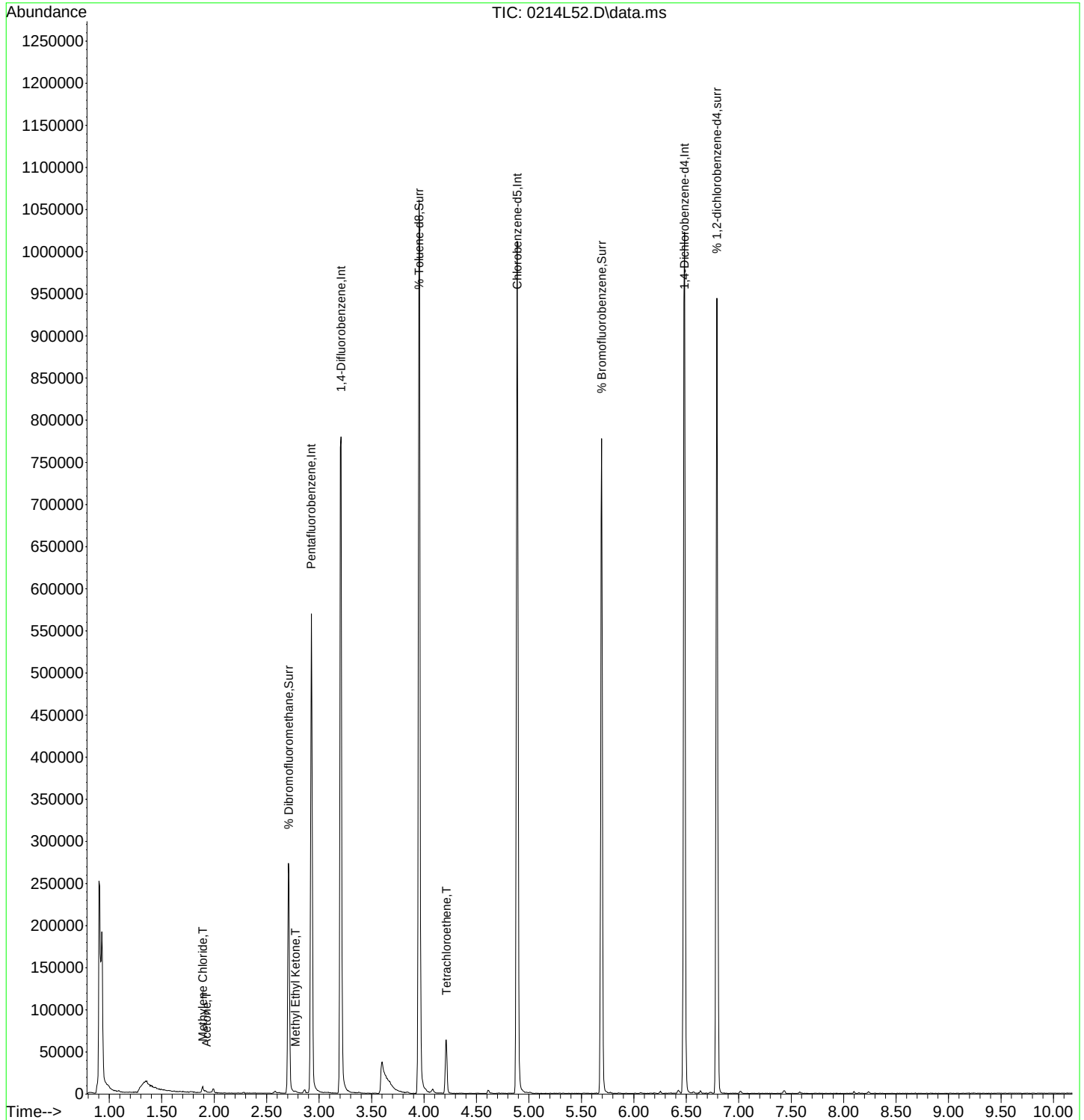
Quant Time: Feb 17 08:10:15 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Feb 17 07:58:40 2014
 Response via : Initial Calibration

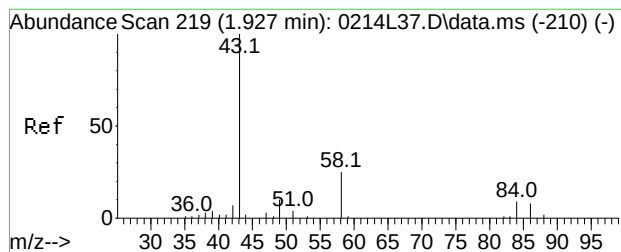
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	2.926	168	194147	50.00	ug/l	0.00
25) 1,4-Difluorobenzene	3.209	114	356585	50.00	ug/l	0.00
42) Chlorobenzene-d5	4.888	117	345316	50.00	ug/l	0.00
55) 1,4-Dichlorobenzene-d4	6.483	152	162318	50.00	ug/l	0.00
System Monitoring Compounds						
23) % Dibromofluoromethane	2.712	192	15459	45.76	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	91.52%	
37) % Toluene-d8	3.952	98	434998	50.30	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	100.60%	
54) % Bromofluorobenzene	5.693	95	185176	49.01	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	98.02%	
56) % 1,2-dichlorobenzene-d4	6.792	152	147180	50.16	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	100.32%	
Target Compounds						
					Qvalue	
11) Acetone	1.928	43	867	0.99	ug/l #	82
13) Methylene Chloride	1.891	84	1428	0.76	ug/l	92
20) Methyl Ethyl Ketone	2.775	43	1469	1.08	ug/l #	71
43) Tetrachloroethene	4.213	164	9114	5.72	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : H:\V2014\CHEM03\02FEB\021414\
Data File : 0214L52.D
Acq On : 15 Feb 2014 1:02 am
Operator :
Sample : BG09444 50X
Misc : B-10-12F DILUTION
ALS Vial : 1 Sample Multiplier: 1

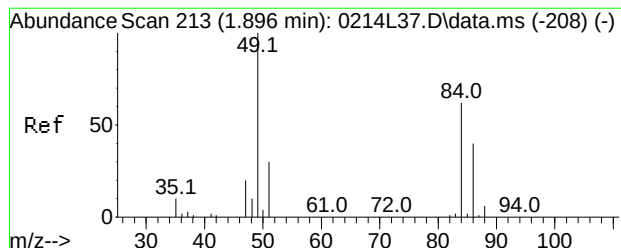
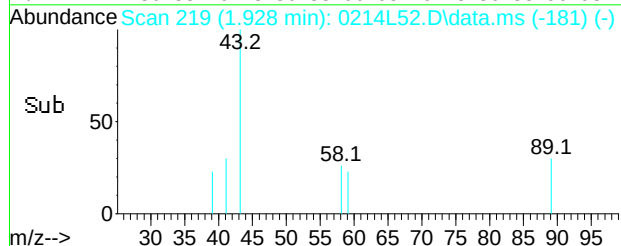
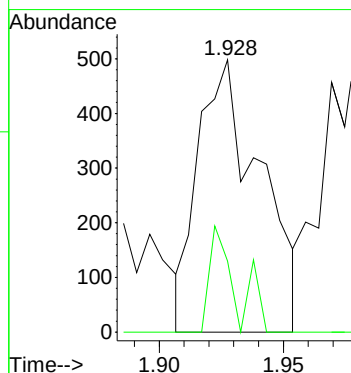
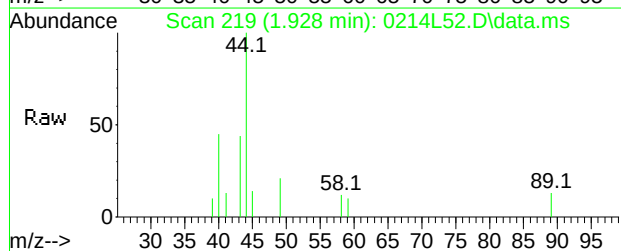
Quant Time: Feb 17 08:10:15 2014
Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Feb 17 07:58:40 2014
Response via : Initial Calibration





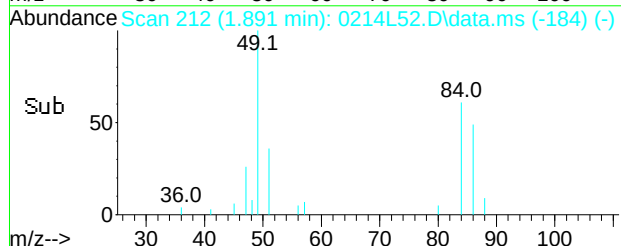
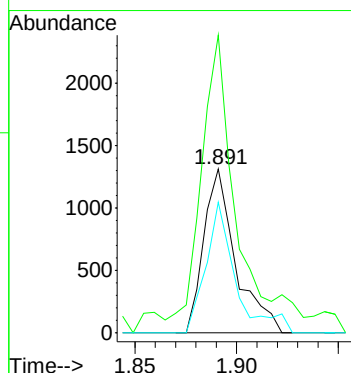
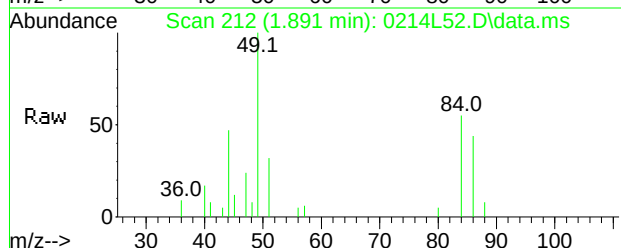
#11
Acetone
Concen: 0.99 ug/l
RT: 1.928 min Scan# 219
Delta R.T. 0.000 min
Lab File: 0214L52.D
Acq: 15 Feb 2014 1:02 am

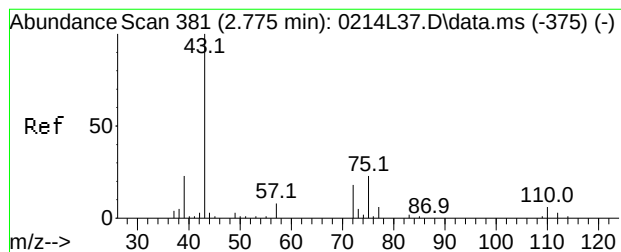
Tgt Ion: 43 Resp: 867
Ion Ratio Lower Upper
43 100
58 16.5 20.5 30.7#



#13
Methylene Chloride
Concen: 0.76 ug/l
RT: 1.891 min Scan# 212
Delta R.T. -0.005 min
Lab File: 0214L52.D
Acq: 15 Feb 2014 1:02 am

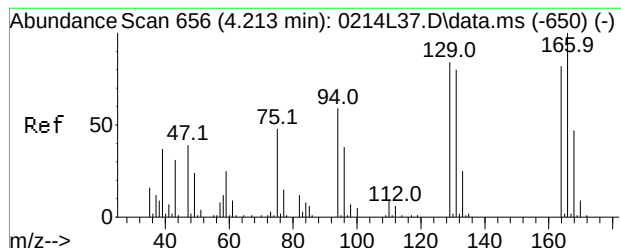
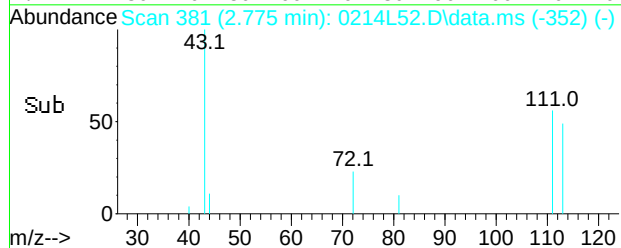
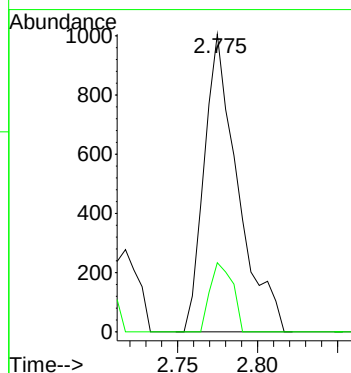
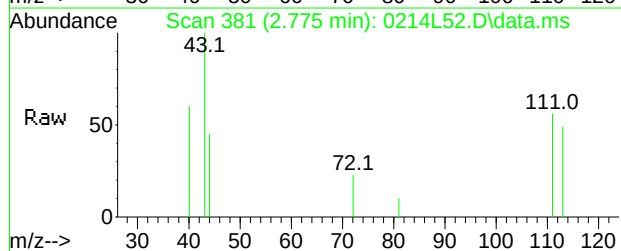
Tgt Ion: 84 Resp: 1428
Ion Ratio Lower Upper
84 100
49 169.6 154.0 194.0
86 79.7 43.7 83.7





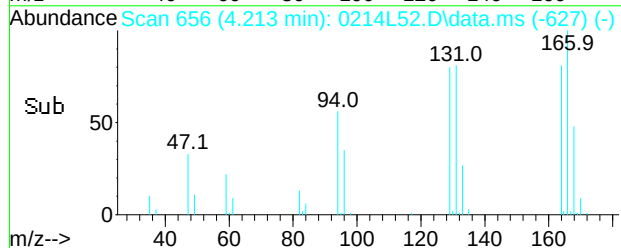
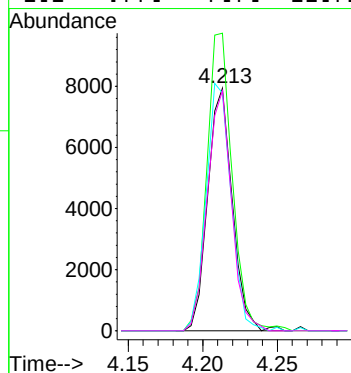
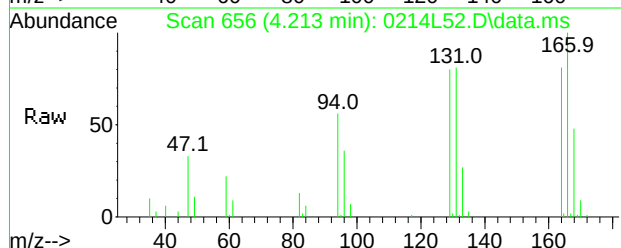
#20
Methyl Ethyl Ketone
Concen: 1.08 ug/l
RT: 2.775 min Scan# 381
Delta R.T. 0.000 min
Lab File: 0214L52.D
Acq: 15 Feb 2014 1:02 am

Tgt Ion: 43 Resp: 1469
Ion Ratio Lower Upper
43 100
72 15.6 25.3 37.9#



#43
Tetrachloroethene
Concen: 5.72 ug/l
RT: 4.213 min Scan# 656
Delta R.T. 0.000 min
Lab File: 0214L52.D
Acq: 15 Feb 2014 1:02 am

Tgt Ion: 164 Resp: 9114
Ion Ratio Lower Upper
164 100
166 126.4 101.0 151.6
129 103.8 81.6 122.4
131 97.5 76.8 115.2



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

B-10-28F

Client: EBC Lab: Phoenix Env. Labs

SDG No.: GBG09442 Lab Sample ID: BG09445

Sample wt/vol: 6.62 (g/mL) g Lab File ID: 0214L47.D

Level: (low/med/meth): Low Date Received: 02/14/14

% Moisture: 0 Date Analyzed: 02/14/14

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	3.8	U	1.0	3.8
74-87-3	Chloromethane	3.8	U	2.0	3.8
75-01-4	Vinyl Chloride	3.8	U	1.2	3.8
74-83-9	Bromomethane	3.8	U	2.9	3.8
75-00-3	Chloroethane	3.8	U	0.89	3.8
75-69-4	Trichlorofluoromethane	3.8	U	0.84	3.8
75-35-4	1,1-Dichloroethene	3.8	U	0.83	3.8
76-13-1	Trichlorotrifluoroethane	3.8	U	0.59	3.8
67-64-1	Acetone	4.1	JBS	3.8	38
75-15-0	Carbon Disulfide	3.8	U	0.62	3.8
75-09-2	Methylene Chloride	3.8	U	0.62	3.8
156-60-5	Trans-1,2-Dichloroethene	3.8	U	0.76	3.8
107-13-1	Acrylonitrile	7.6	U	2.1	7.6
75-34-3	1,1-Dichloroethane	3.8	U	0.75	3.8
156-59-2	Cis-1,2-Dichloroethene	3.8	U	0.83	3.8
594-20-7	2,2-Dichloropropane	3.8	U	0.64	3.8
109-99-9	Tetrahydrofuran (THF)	8.2		3.4	7.6
78-93-3	Methyl Ethyl Ketone	23	U	3.3	23
74-97-5	Bromochloromethane	3.8	U	0.55	3.8
67-66-3	Chloroform	3.8	U	0.69	3.8
71-55-6	1,1,1-Trichloroethane	3.8	U	0.76	3.8
1634-04-4	Methyl t-Butyl Ether (MTBE)	7.6	U	1.0	7.6
563-58-6	1,1-Dichloropropene	3.8	U	0.74	3.8
56-23-5	Carbon Tetrachloride	3.8	U	0.44	3.8
71-43-2	Benzene	3.8	U	0.75	3.8
107-06-2	1,2-Dichloroethane	3.8	U	0.33	3.8
79-01-6	Trichloroethene	3.8	U	0.81	3.8
78-87-5	1,2-dichloropropane	3.8	U	0.54	3.8
74-95-3	Dibromomethane	3.8	U	0.48	3.8
75-27-4	Bromodichloromethane	3.8	U	0.47	3.8
10061-01-5	cis-1,3-Dichloropropene	3.8	U	0.41	3.8
108-10-1	4-Methyl-2-Pentanone	19	U	0.90	19
108-88-3	Toluene	3.8	U	0.60	3.8
10061-02-6	trans-1,3-Dichloropropene	3.8	U	0.78	3.8
79-00-5	1,1,2-Trichloroethane	3.8	U	0.37	3.8
106-93-4	1,2-Dibromoethane	3.8	U	1.0	3.8

FORM I VOA

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

B-10-28F

Client: EBC Lab: Phoenix Env. Labs

SDG No.: GBG09442 Lab Sample ID: BG09445

Sample wt/vol: 6.62 (g/mL) g Lab File ID: 0214L47.D

Level: (low/med/meth): Low Date Received: 02/14/14

% Moisture: 0 Date Analyzed: 02/14/14

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
127-18-4	Tetrachloroethene	3.8	U	0.80	3.8
142-28-9	1,3-Dichloropropane	3.8	U	0.40	3.8
591-78-6	2-Hexanone	19	U	1.7	19
124-48-1	Dibromochloromethane	3.8	U	0.43	3.8
108-90-7	Chlorobenzene	3.8	U	0.56	3.8
630-20-6	1,1,1,2-Tetrachloroethane	3.8	U	0.62	3.8
100-41-4	Ethylbenzene	3.8	U	0.69	3.8
179601-23-1	m&p-Xylene	3.8	U	1.5	3.8
95-47-6	o-Xylene	3.8	U	1.5	3.8
100-42-5	Styrene	3.8	U	1.1	3.8
75-25-2	Bromoform	3.8	U	0.53	3.8
98-82-8	Isopropylbenzene	3.8	U	0.73	3.8
79-34-5	1,1,2,2-Tetrachloroethane	3.8	U	0.54	3.8
108-86-1	Bromobenzene	3.8	U	0.49	3.8
96-18-4	1,2,3-Trichloropropane	3.8	U	0.54	3.8
103-65-1	n-Propylbenzene	3.8	U	0.68	3.8
95-49-8	2-Chlorotoluene	3.8	U	0.61	3.8
108-67-8	1,3,5-Trimethylbenzene	3.8	U	0.50	3.8
110-57-6	trans-1,4-Dichloro-2-butene	7.6	U	7.1	7.6
106-43-4	4-Chlorotoluene	3.8	U	0.44	3.8
98-06-6	tert-Butylbenzene	3.8	U	0.61	3.8
95-63-6	1,2,4-Trimethylbenzene	3.8	U	0.55	3.8
135-98-8	sec-Butylbenzene	3.8	U	0.71	3.8
541-73-1	1,3-Dichlorobenzene	3.8	U	0.56	3.8
99-87-6	p-Isopropyltoluene	3.8	U	0.55	3.8
106-46-7	1,4-Dichlorobenzene	3.8	U	0.60	3.8
527-84-4	2-Isopropyltoluene	3.8	U	0.52	3.8
104-51-8	n-Butylbenzene	3.8	U	0.69	3.8
95-50-1	1,2-Dichlorobenzene	3.8	U	0.42	3.8
96-12-8	1,2-Dibromo-3-Chloropropane	3.8	U	1.0	3.8
120-82-1	1,2,4-Trichlorobenzene	3.8	U	0.76	3.8
87-68-3	Hexachlorobutadiene	3.8	U	0.80	3.8
91-20-3	Naphthalene	3.8	U	1.0	3.8
87-61-6	1,2,3-Trichlorobenzene	3.8	U	0.76	3.8

FORM I VOA

Data Path : H:\V2014\CHEM03\02FEB\021414\
 Data File : 0214L47.D
 Acq On : 14 Feb 2014 11:15 pm
 Operator :
 Sample : BG09445
 Misc : B-10-28F
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 08:08:00 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Feb 17 07:58:40 2014
 Response via : Initial Calibration

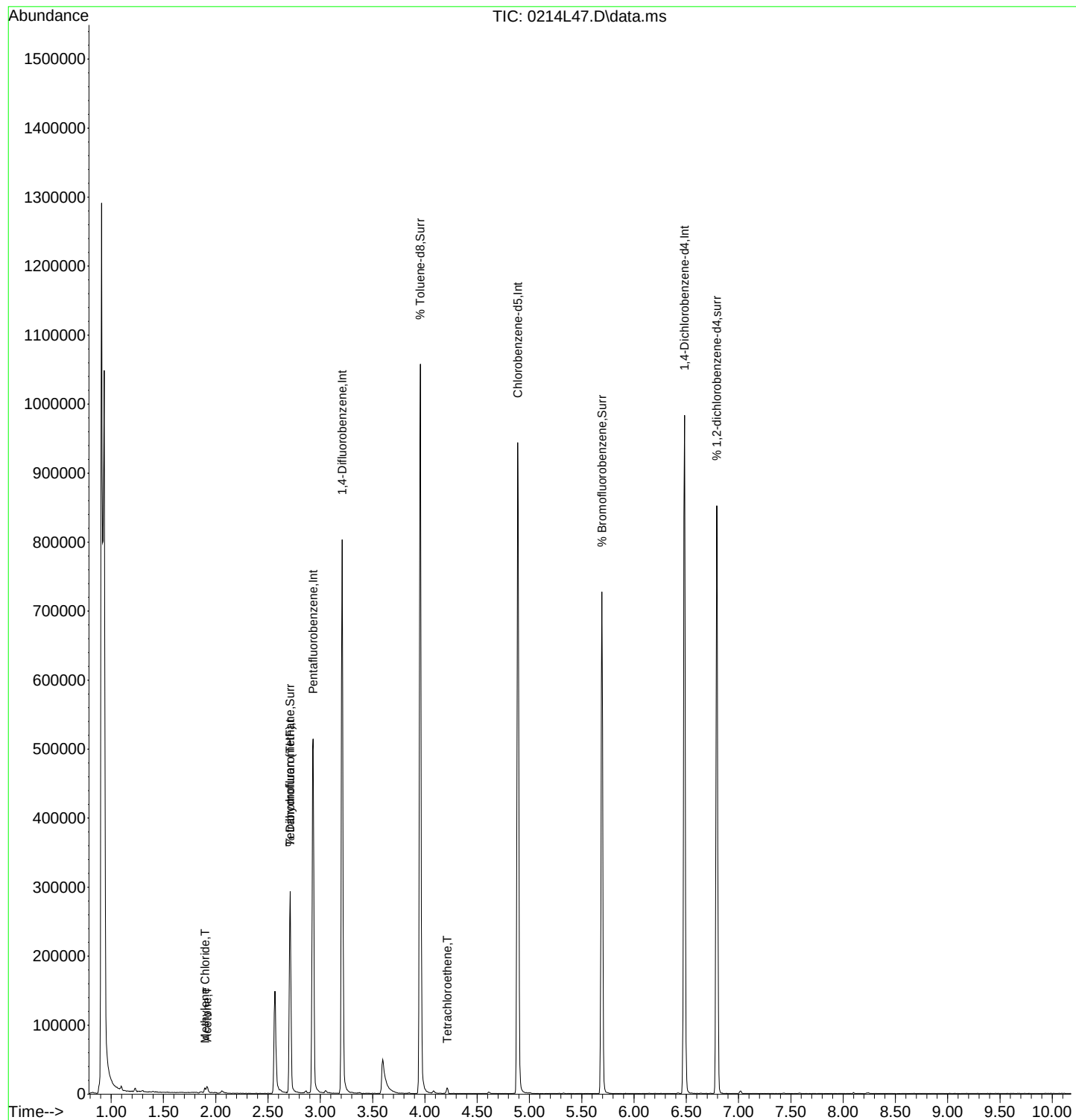
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

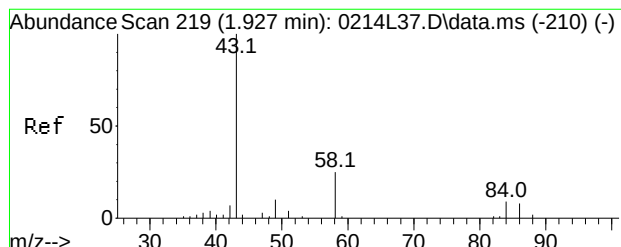
Internal Standards						
1) Pentafluorobenzene	2.932	168	181167	50.00	ug/l	0.00
25) 1,4-Difluorobenzene	3.209	114	334385	50.00	ug/l	0.00
42) Chlorobenzene-d5	4.888	117	329129	50.00	ug/l	0.00
55) 1,4-Dichlorobenzene-d4	6.483	152	151313	50.00	ug/l	0.00
System Monitoring Compounds						
23) % Dibromofluoromethane	2.712	192	15284	48.48	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	96.96%	
37) % Toluene-d8	3.957	98	412205	50.82	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	101.64%	
54) % Bromofluorobenzene	5.693	95	173169	48.09	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	96.18%	
56) % 1,2-dichlorobenzene-d4	6.792	152	140816	51.48	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	102.96%	
Target Compounds						
11) Acetone	1.917	43	4479	5.46	ug/l	96
~~13) Methylene Chloride~~	~~1.896~~	~~84~~	~~1328~~	~~0.76~~	~~ug/l~~	~~87~~
19) Tetrahydrofuran (THF)	2.712	42	6345	10.74	ug/l	95
~~43) Tetrachloroethene~~	~~4.213~~	~~164~~	~~1041~~	~~0.69~~	~~ug/l~~	~~96~~

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : H:\V2014\CHEM03\02FEB\021414\
Data File : 0214L47.D
Acq On : 14 Feb 2014 11:15 pm
Operator :
Sample : BG09445
Misc : B-10-28F
ALS Vial : 1 Sample Multiplier: 1

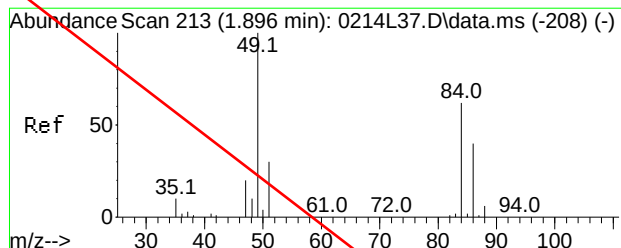
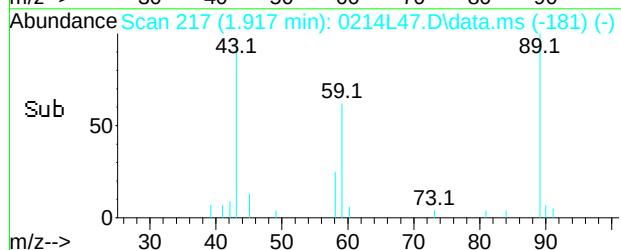
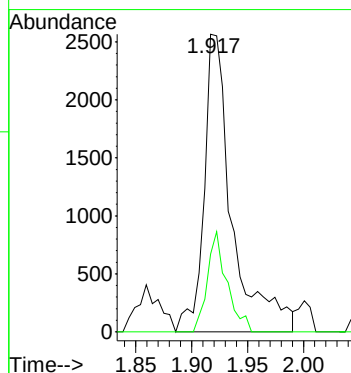
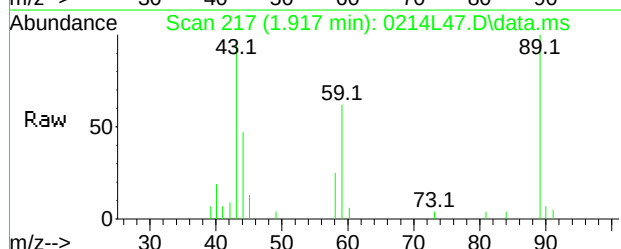
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Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Feb 17 07:58:40 2014
Response via : Initial Calibration





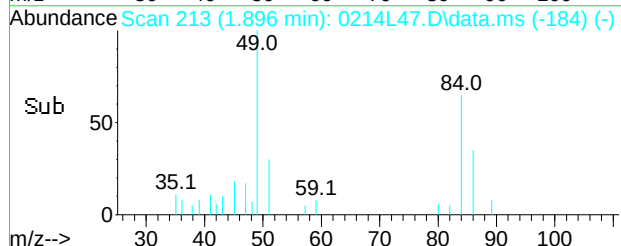
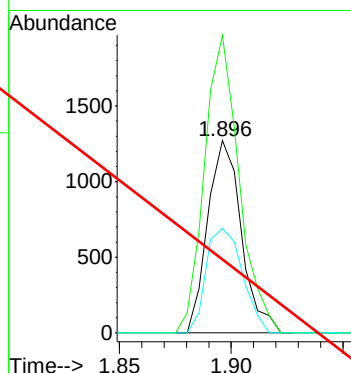
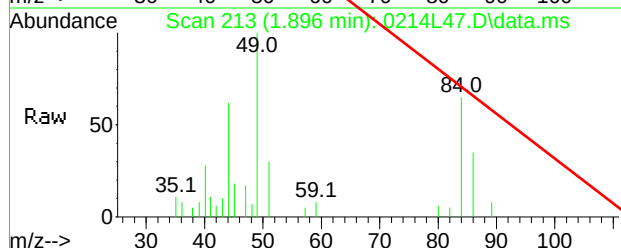
#11
Acetone
Concen: 5.46 ug/l
RT: 1.917 min Scan# 217
Delta R.T. -0.010 min
Lab File: 0214L47.D
Acq: 14 Feb 2014 11:15 pm

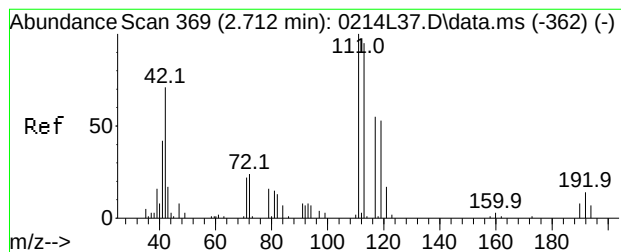
Tgt Ion: 43 Resp: 4479
Ion Ratio Lower Upper
43 100
58 23.4 20.5 30.7



#13
Methylene Chloride
Concen: 0.76 ug/l
RT: 1.896 min Scan# 213
Delta R.T. 0.000 min
Lab File: 0214L47.D
Acq: 14 Feb 2014 11:15 pm

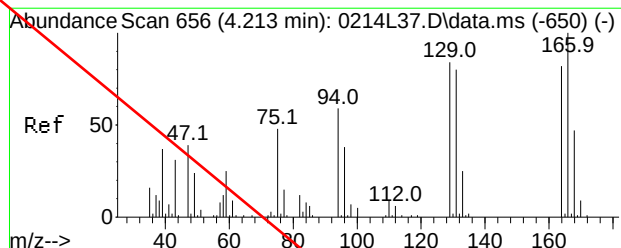
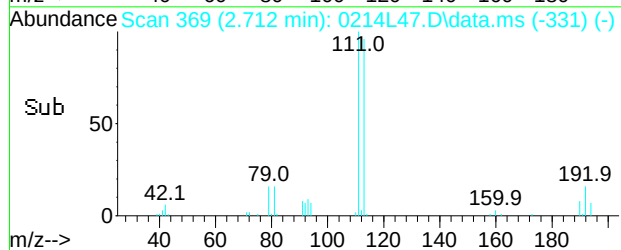
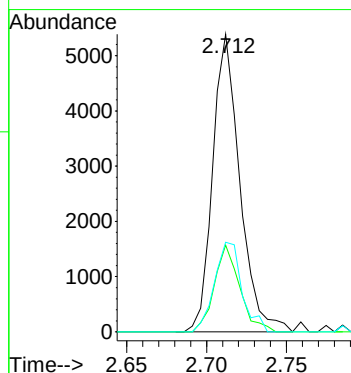
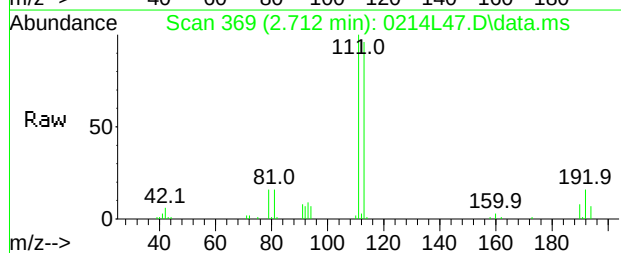
Tgt Ion: 84 Resp: 1328
Ion Ratio Lower Upper
84 100
49 154.8 154.0 194.0
86 54.4 43.7 83.7





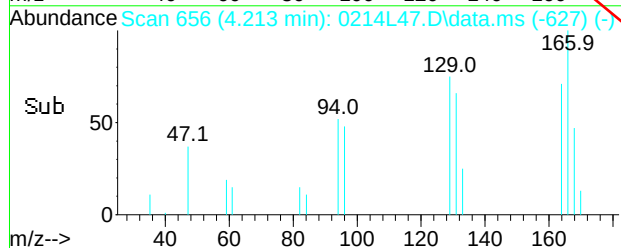
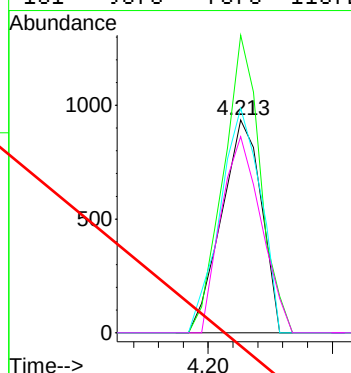
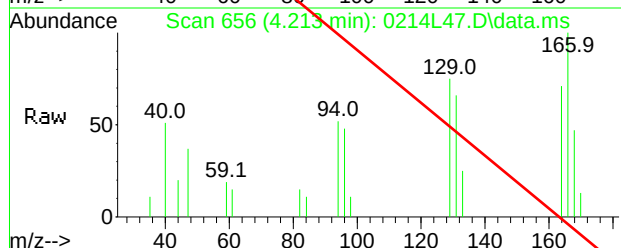
#19
Tetrahydrofuran (THF)
Concen: 10.74 ug/l
RT: 2.712 min Scan# 369
Delta R.T. 0.000 min
Lab File: 0214L47.D
Acq: 14 Feb 2014 11:15 pm

Tgt Ion:	42	Resp:	6345
Ion Ratio	Lower	Upper	
42	100		
71	27.2	23.4	35.2
72	30.3	26.6	39.8



#43
Tetrachloroethene
Concen: 0.69 ug/l
RT: 4.213 min Scan# 656
Delta R.T. 0.000 min
Lab File: 0214L47.D
Acq: 14 Feb 2014 11:15 pm

Tgt Ion:	164	Resp:	1041
Ion Ratio	Lower	Upper	
164	100		
166	130.0	101.0	151.6
129	107.5	81.6	122.4
131	93.3	76.8	115.2



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

REF-1-6F

Client: EBC Lab: Phoenix Env. Labs

SDG No.: GBG09442 Lab Sample ID: BG09446

Sample wt/vol: 7.86 (g/mL) g Lab File ID: 0214L48.D

Level: (low/med/meth): Low Date Received: 02/14/14

% Moisture: 0 Date Analyzed: 02/14/14

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	3.2	U	0.85	3.2
74-87-3	Chloromethane	3.2	U	1.7	3.2
75-01-4	Vinyl Chloride	3.2	U	1.0	3.2
74-83-9	Bromomethane	3.2	U	2.5	3.2
75-00-3	Chloroethane	3.2	U	0.75	3.2
75-69-4	Trichlorofluoromethane	3.2	U	0.71	3.2
75-35-4	1,1-Dichloroethene	3.2	U	0.70	3.2
76-13-1	Trichlorotrifluoroethane	3.2	U	0.50	3.2
67-64-1	Acetone	32	U	3.2	32
75-15-0	Carbon Disulfide	3.2	U	0.52	3.2
75-09-2	Methylene Chloride	3.2	U	0.52	3.2
156-60-5	Trans-1,2-Dichloroethene	3.2	U	0.64	3.2
107-13-1	Acrylonitrile	6.4	U	1.8	6.4
75-34-3	1,1-Dichloroethane	3.2	U	0.63	3.2
156-59-2	Cis-1,2-Dichloroethene	3.2	U	0.70	3.2
594-20-7	2,2-Dichloropropane	3.2	U	0.54	3.2
109-99-9	Tetrahydrofuran (THF)	6.4	U	2.9	6.4
78-93-3	Methyl Ethyl Ketone	19	U	2.8	19
74-97-5	Bromochloromethane	3.2	U	0.47	3.2
67-66-3	Chloroform	3.2	U	0.58	3.2
71-55-6	1,1,1-Trichloroethane	3.2	U	0.64	3.2
1634-04-4	Methyl t-Butyl Ether (MTBE)	6.4	U	0.88	6.4
563-58-6	1,1-Dichloropropene	3.2	U	0.62	3.2
56-23-5	Carbon Tetrachloride	3.2	U	0.37	3.2
71-43-2	Benzene	3.2	U	0.63	3.2
107-06-2	1,2-Dichloroethane	3.2	U	0.28	3.2
79-01-6	Trichloroethene	3.2	U	0.68	3.2
78-87-5	1,2-dichloropropane	3.2	U	0.45	3.2
74-95-3	Dibromomethane	3.2	U	0.40	3.2
75-27-4	Bromodichloromethane	3.2	U	0.40	3.2
10061-01-5	cis-1,3-Dichloropropene	3.2	U	0.35	3.2
108-10-1	4-Methyl-2-Pentanone	16	U	0.76	16
108-88-3	Toluene	3.2	U	0.51	3.2
10061-02-6	trans-1,3-Dichloropropene	3.2	U	0.65	3.2
79-00-5	1,1,2-Trichloroethane	3.2	U	0.31	3.2
106-93-4	1,2-Dibromoethane	3.2	U	0.85	3.2

FORM I VOA

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

REF-1-6F

Client: EBC Lab: Phoenix Env. Labs

SDG No.: GBG09442 Lab Sample ID: BG09446

Sample wt/vol: 7.86 (g/mL) g Lab File ID: 0214L48.D

Level: (low/med/meth): Low Date Received: 02/14/14

% Moisture: 0 Date Analyzed: 02/14/14

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
127-18-4	Tetrachloroethene	1.6	J	0.67	3.2
142-28-9	1,3-Dichloropropane	3.2	U	0.34	3.2
591-78-6	2-Hexanone	16	U	1.4	16
124-48-1	Dibromochloromethane	3.2	U	0.36	3.2
108-90-7	Chlorobenzene	3.2	U	0.47	3.2
630-20-6	1,1,1,2-Tetrachloroethane	3.2	U	0.52	3.2
100-41-4	Ethylbenzene	3.2	U	0.58	3.2
179601-23-1	m&p-Xylene	3.2	U	1.3	3.2
95-47-6	o-Xylene	3.2	U	1.2	3.2
100-42-5	Styrene	3.2	U	0.92	3.2
75-25-2	Bromoform	3.2	U	0.45	3.2
98-82-8	Isopropylbenzene	3.2	U	0.61	3.2
79-34-5	1,1,2,2-Tetrachloroethane	3.2	U	0.45	3.2
108-86-1	Bromobenzene	3.2	U	0.42	3.2
96-18-4	1,2,3-Trichloropropane	3.2	U	0.45	3.2
103-65-1	n-Propylbenzene	3.2	U	0.58	3.2
95-49-8	2-Chlorotoluene	3.2	U	0.51	3.2
108-67-8	1,3,5-Trimethylbenzene	3.2	U	0.42	3.2
110-57-6	trans-1,4-Dichloro-2-butene	6.4	U	5.9	6.4
106-43-4	4-Chlorotoluene	3.2	U	0.37	3.2
98-06-6	tert-Butylbenzene	3.2	U	0.51	3.2
95-63-6	1,2,4-Trimethylbenzene	3.2	U	0.46	3.2
135-98-8	sec-Butylbenzene	3.2	U	0.60	3.2
541-73-1	1,3-Dichlorobenzene	3.2	U	0.47	3.2
99-87-6	p-Isopropyltoluene	3.2	U	0.46	3.2
106-46-7	1,4-Dichlorobenzene	3.2	U	0.51	3.2
527-84-4	2-Isopropyltoluene	3.2	U	0.44	3.2
104-51-8	n-Butylbenzene	3.2	U	0.58	3.2
95-50-1	1,2-Dichlorobenzene	3.2	U	0.35	3.2
96-12-8	1,2-Dibromo-3-Chloropropane	3.2	U	0.86	3.2
120-82-1	1,2,4-Trichlorobenzene	3.2	U	0.64	3.2
87-68-3	Hexachlorobutadiene	3.2	U	0.67	3.2
91-20-3	Naphthalene	3.2	U	0.86	3.2
87-61-6	1,2,3-Trichlorobenzene	3.2	U	0.64	3.2

FORM I VOA

Data Path : H:\V2014\CHEM03\02FEB\021414\
 Data File : 0214L48.D
 Acq On : 14 Feb 2014 11:37 pm
 Operator :
 Sample : BG09446
 Misc : REF-1-6F
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 08:34:26 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Feb 17 07:58:40 2014
 Response via : Initial Calibration

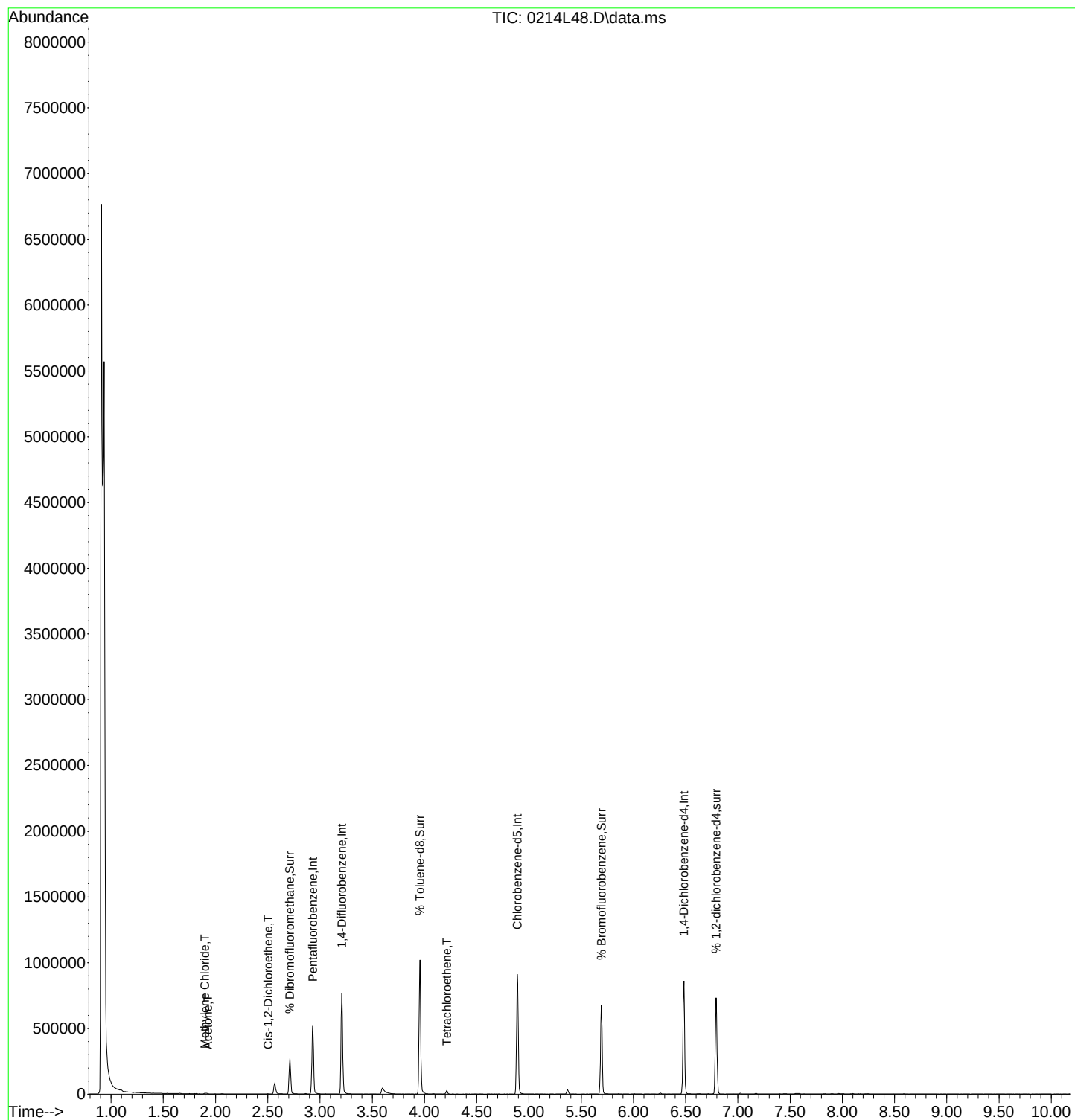
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

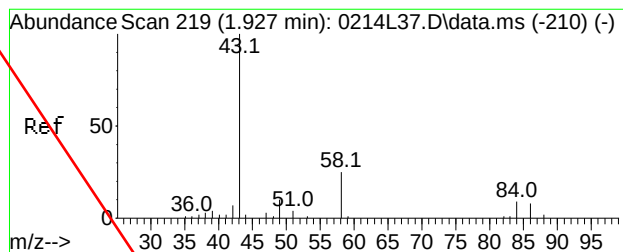
Internal Standards						
1) Pentafluorobenzene	2.932	168	178053	50.00	ug/l	0.00
25) 1,4-Difluorobenzene	3.209	114	331333	50.00	ug/l	0.00
42) Chlorobenzene-d5	4.888	117	310382	50.00	ug/l	0.00
55) 1,4-Dichlorobenzene-d4	6.483	152	131756	50.00	ug/l	0.00
System Monitoring Compounds						
23) % Dibromofluoromethane	2.712	192	14957	48.28	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	96.56%	
37) % Toluene-d8	3.957	98	400640	49.85	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	99.70%	
54) % Bromofluorobenzene	5.693	95	160599	47.29	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	94.58%	
56) % 1,2-dichlorobenzene-d4	6.792	152	119589	50.21	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	100.42%	
Target Compounds						
						Qvalue
~~11) Acetone~~	~~1.927~~	~~43~~	~~1840~~	~~2.28 ug/l~~		~~95~~
~~13) Methylene Chloride~~	~~1.896~~	~~84~~	~~1092~~	~~0.63 ug/l~~	#	~~84~~
~~17) Cis-1,2-Dichloroethene~~	~~2.503~~	~~96~~	~~806~~	~~0.42 ug/l~~		~~100~~
43) Tetrachloroethene	4.213	164	3672	2.57 ug/l		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : H:\V2014\CHEM03\02FEB\021414\
Data File : 0214L48.D
Acq On : 14 Feb 2014 11:37 pm
Operator :
Sample : BG09446
Misc : REF-1-6F
ALS Vial : 1 Sample Multiplier: 1

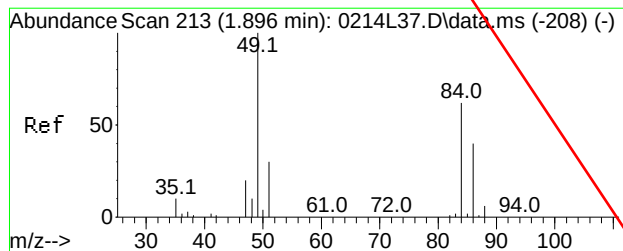
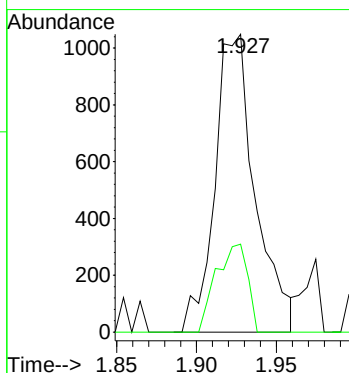
Quant Time: Feb 17 08:34:26 2014
Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Feb 17 07:58:40 2014
Response via : Initial Calibration





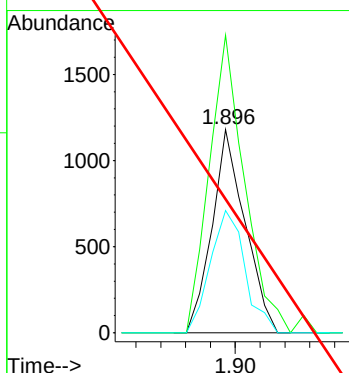
#11
Acetone
Concen: 2.28 ug/l
RT: 1.927 min Scan# 219
Delta R.T. 0.000 min
Lab File: 0214L48.D
Acq: 14 Feb 2014 11:37 pm

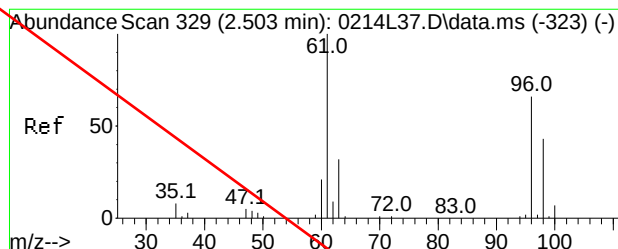
Tgt Ion: 43 Resp: 1840
Ion Ratio Lower Upper
43 100
58 22.9 20.5 30.7



#13
Methylene Chloride
Concen: 0.63 ug/l
RT: 1.896 min Scan# 213
Delta R.T. 0.000 min
Lab File: 0214L48.D
Acq: 14 Feb 2014 11:37 pm

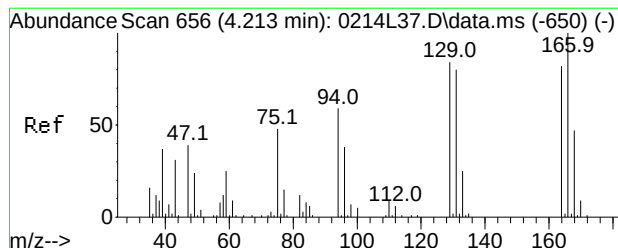
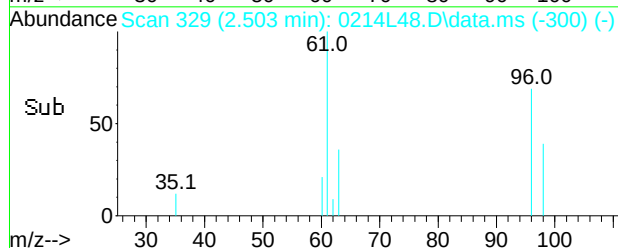
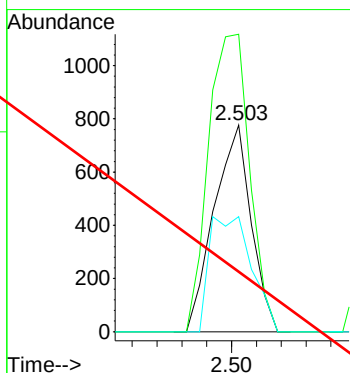
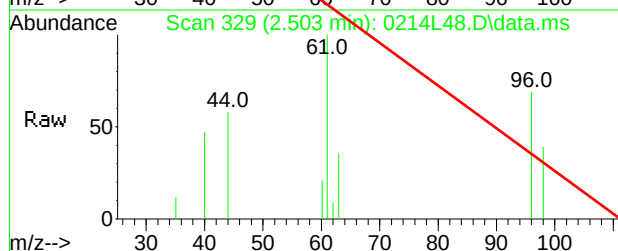
Tgt Ion: 84 Resp: 1092
Ion Ratio Lower Upper
84 100
49 146.4 154.0 194.0#
86 60.1 43.7 83.7





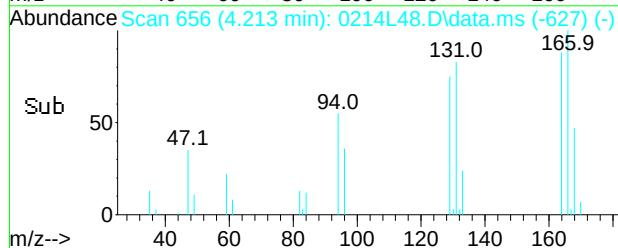
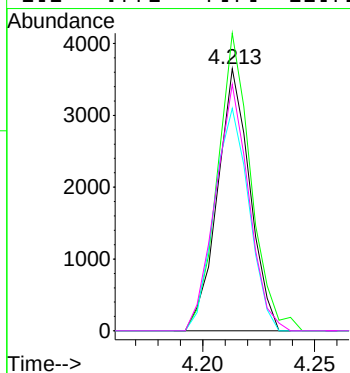
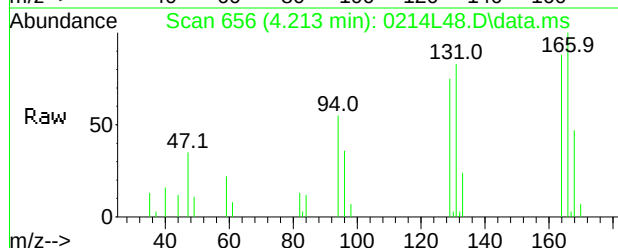
#17
Cis-1,2-Dichloroethene
Concen: 0.42 ug/l
RT: 2.503 min Scan# 329
Delta R.T. 0.000 min
Lab File: 0214L48.D
Acq: 14 Feb 2014 11:37 pm

Tgt Ion: 96 Resp: 806
Ion Ratio Lower Upper
96 100
61 159.8 127.7 191.5
98 63.6 51.4 77.0



#43
Tetrachloroethene
Concen: 2.57 ug/l
RT: 4.213 min Scan# 656
Delta R.T. 0.000 min
Lab File: 0214L48.D
Acq: 14 Feb 2014 11:37 pm

Tgt Ion: 164 Resp: 3672
Ion Ratio Lower Upper
164 100
166 116.7 101.0 151.6
129 90.5 81.6 122.4
131 97.2 76.8 115.2



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

REF-2-18F

Client: EBC Lab: Phoenix Env. Labs

SDG No.: GBG09442 Lab Sample ID: BG09447

Sample wt/vol: 5.7 (g/mL) g Lab File ID: 0214L49.D

Level: (low/med/meth): Low Date Received: 02/14/14

% Moisture: 0 Date Analyzed: 02/14/14

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	4.4	U	1.2	4.4
74-87-3	Chloromethane	4.4	U	2.3	4.4
75-01-4	Vinyl Chloride	4.4	U	1.4	4.4
74-83-9	Bromomethane	4.4	U	3.4	4.4
75-00-3	Chloroethane	4.4	U	1.0	4.4
75-69-4	Trichlorofluoromethane	4.4	U	0.98	4.4
75-35-4	1,1-Dichloroethene	4.4	U	0.96	4.4
76-13-1	Trichlorotrifluoroethane	4.4	U	0.69	4.4
67-64-1	Acetone	4.4	U	4.4	4.4
75-15-0	Carbon Disulfide	4.4	U	0.71	4.4
75-09-2	Methylene Chloride	4.4	U	0.72	4.4
156-60-5	Trans-1,2-Dichloroethene	4.4	U	0.88	4.4
107-13-1	Acrylonitrile	8.8	U	2.5	8.8
75-34-3	1,1-Dichloroethane	4.4	U	0.87	4.4
156-59-2	Cis-1,2-Dichloroethene	4.4	U	0.96	4.4
594-20-7	2,2-Dichloropropane	4.4	U	0.74	4.4
109-99-9	Tetrahydrofuran (THF)	8.8	U	4.0	8.8
78-93-3	Methyl Ethyl Ketone	26	U	3.8	26
74-97-5	Bromochloromethane	4.4	U	0.64	4.4
67-66-3	Chloroform	4.4	U	0.80	4.4
71-55-6	1,1,1-Trichloroethane	4.4	U	0.88	4.4
1634-04-4	Methyl t-Butyl Ether (MTBE)	8.8	U	1.2	8.8
563-58-6	1,1-Dichloropropene	4.4	U	0.85	4.4
56-23-5	Carbon Tetrachloride	4.4	U	0.51	4.4
71-43-2	Benzene	4.4	U	0.87	4.4
107-06-2	1,2-Dichloroethane	4.4	U	0.39	4.4
79-01-6	Trichloroethene	4.4	U	0.93	4.4
78-87-5	1,2-dichloropropane	4.4	U	0.62	4.4
74-95-3	Dibromomethane	4.4	U	0.55	4.4
75-27-4	Bromodichloromethane	4.4	U	0.55	4.4
10061-01-5	cis-1,3-Dichloropropene	4.4	U	0.48	4.4
108-10-1	4-Methyl-2-Pentanone	22	U	1.0	22
108-88-3	Toluene	4.4	U	0.70	4.4
10061-02-6	trans-1,3-Dichloropropene	4.4	U	0.90	4.4
79-00-5	1,1,2-Trichloroethane	4.4	U	0.43	4.4
106-93-4	1,2-Dibromoethane	4.4	U	1.2	4.4

FORM I VOA

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

REF-2-18F

Client: EBC Lab: Phoenix Env. Labs

SDG No.: GBG09442 Lab Sample ID: BG09447

Sample wt/vol: 5.7 (g/mL) g Lab File ID: 0214L49.D

Level: (low/med/meth): Low Date Received: 02/14/14

% Moisture: 0 Date Analyzed: 02/14/14

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
127-18-4	Tetrachloroethene	4.4	U	0.92	4.4
142-28-9	1,3-Dichloropropane	4.4	U	0.47	4.4
591-78-6	2-Hexanone	22	U	2.0	22
124-48-1	Dibromochloromethane	4.4	U	0.49	4.4
108-90-7	Chlorobenzene	4.4	U	0.65	4.4
630-20-6	1,1,1,2-Tetrachloroethane	4.4	U	0.72	4.4
100-41-4	Ethylbenzene	4.4	U	0.80	4.4
179601-23-1	m&p-Xylene	4.4	U	1.7	4.4
95-47-6	o-Xylene	4.4	U	1.7	4.4
100-42-5	Styrene	4.4	U	1.3	4.4
75-25-2	Bromoform	4.4	U	0.62	4.4
98-82-8	Isopropylbenzene	4.4	U	0.84	4.4
79-34-5	1,1,2,2-Tetrachloroethane	4.4	U	0.62	4.4
108-86-1	Bromobenzene	4.4	U	0.57	4.4
96-18-4	1,2,3-Trichloropropane	4.4	U	0.62	4.4
103-65-1	n-Propylbenzene	4.4	U	0.79	4.4
95-49-8	2-Chlorotoluene	4.4	U	0.70	4.4
108-67-8	1,3,5-Trimethylbenzene	4.4	U	0.58	4.4
110-57-6	trans-1,4-Dichloro-2-butene	8.8	U	8.2	8.8
106-43-4	4-Chlorotoluene	4.4	U	0.51	4.4
98-06-6	tert-Butylbenzene	4.4	U	0.70	4.4
95-63-6	1,2,4-Trimethylbenzene	4.4	U	0.63	4.4
135-98-8	sec-Butylbenzene	4.4	U	0.83	4.4
541-73-1	1,3-Dichlorobenzene	4.4	U	0.65	4.4
99-87-6	p-Isopropyltoluene	4.4	U	0.63	4.4
106-46-7	1,4-Dichlorobenzene	4.4	U	0.70	4.4
527-84-4	2-Isopropyltoluene	4.4	U	0.61	4.4
104-51-8	n-Butylbenzene	4.4	U	0.80	4.4
95-50-1	1,2-Dichlorobenzene	4.4	U	0.48	4.4
96-12-8	1,2-Dibromo-3-Chloropropane	4.4	U	1.2	4.4
120-82-1	1,2,4-Trichlorobenzene	4.4	U	0.88	4.4
87-68-3	Hexachlorobutadiene	4.4	U	0.92	4.4
91-20-3	Naphthalene	4.4	U	1.2	4.4
87-61-6	1,2,3-Trichlorobenzene	4.4	U	0.88	4.4

FORM I VOA

Data Path : H:\V2014\CHEM03\02FEB\021414\
 Data File : 0214L49.D
 Acq On : 14 Feb 2014 11:58 pm
 Operator :
 Sample : BG09447
 Misc : REF-2-18F
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 08:09:03 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Feb 17 07:58:40 2014
 Response via : Initial Calibration

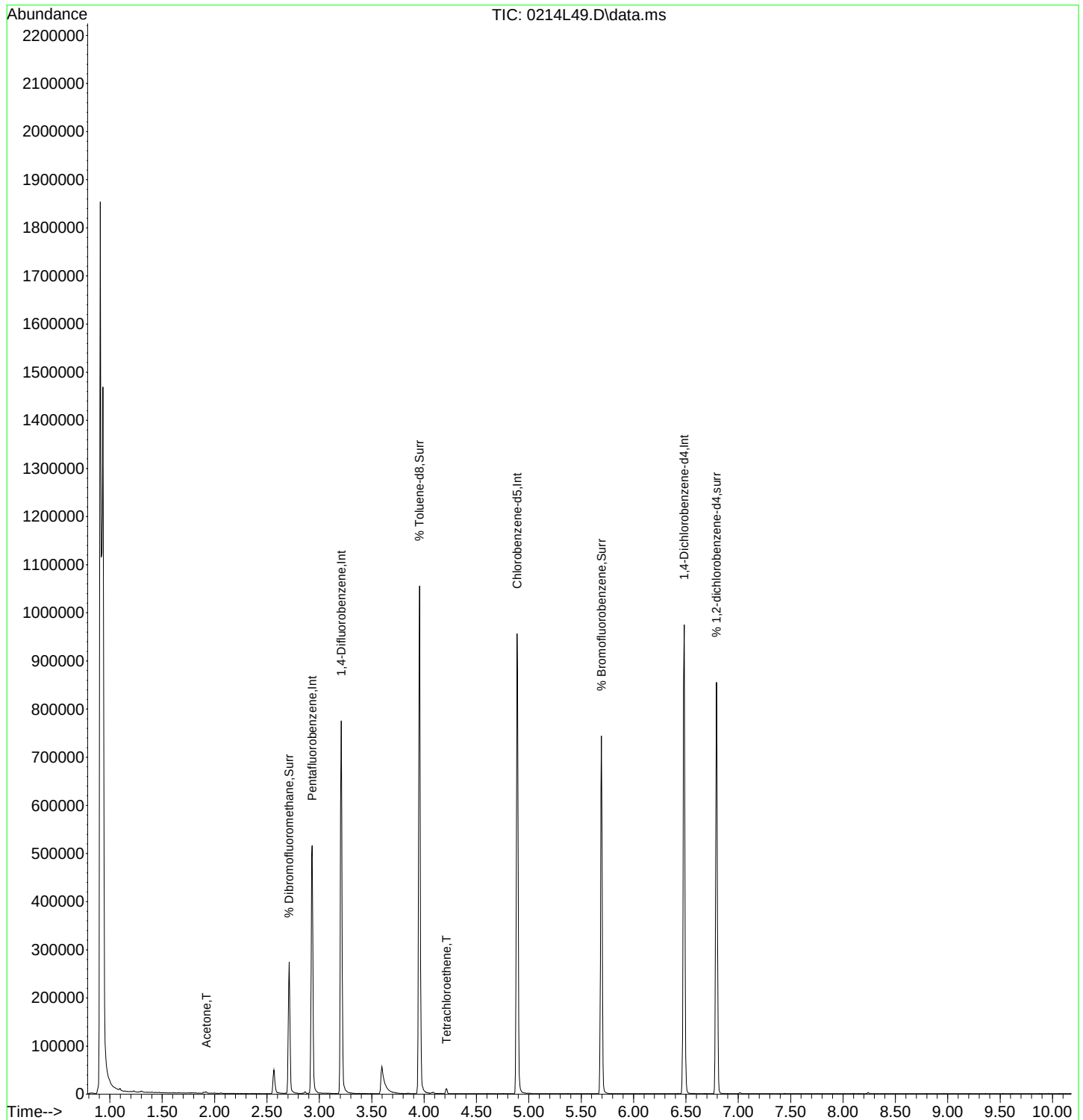
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

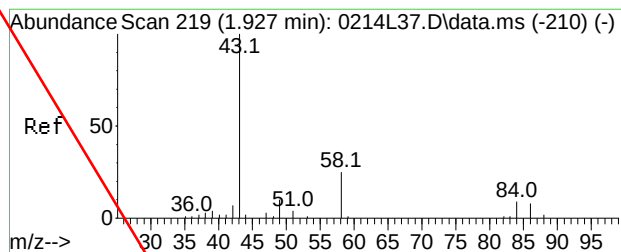
Internal Standards						
1) Pentafluorobenzene	2.932	168	180749	50.00	ug/l	0.00
25) 1,4-Difluorobenzene	3.209	114	333699	50.00	ug/l	0.00
42) Chlorobenzene-d5	4.888	117	326013	50.00	ug/l	0.00
55) 1,4-Dichlorobenzene-d4	6.483	152	151278	50.00	ug/l	0.00
System Monitoring Compounds						
23) % Dibromofluoromethane	2.712	192	15358	48.83	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	97.66%	
37) % Toluene-d8	3.957	98	409873	50.64	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	101.28%	
54) % Bromofluorobenzene	5.693	95	173484	48.63	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	97.26%	
56) % 1,2-dichlorobenzene-d4	6.792	152	138572	50.67	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	101.34%	
Target Compounds						
					Qvalue	
~~11) Acetone~~	~~1.922~~	~~43~~	~~1090~~	~~1.33 ug/l~~	~~#~~	~~86~~
~~43) Tetrachloroethene~~	~~4.213~~	~~164~~	~~1419~~	~~0.94 ug/l~~		~~95~~

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : H:\V2014\CHEM03\02FEB\021414\
Data File : 0214L49.D
Acq On : 14 Feb 2014 11:58 pm
Operator :
Sample : BG09447
Misc : REF-2-18F
ALS Vial : 1 Sample Multiplier: 1

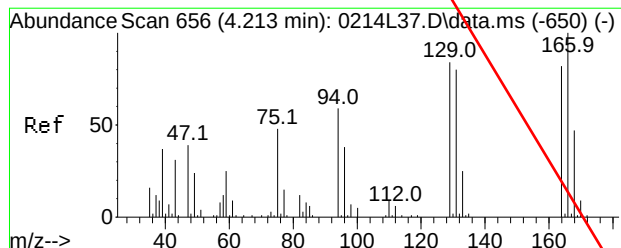
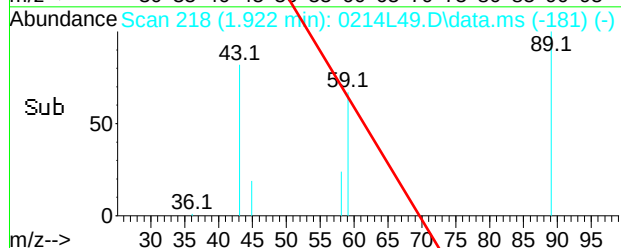
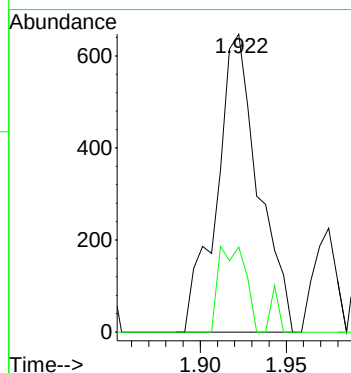
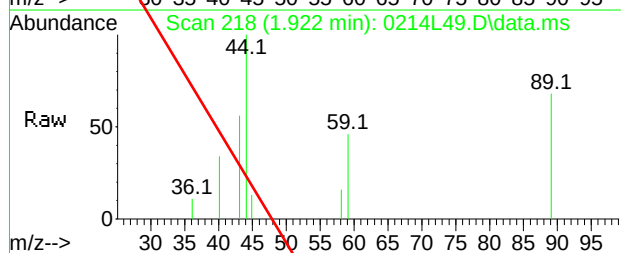
Quant Time: Feb 17 08:09:03 2014
Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Feb 17 07:58:40 2014
Response via : Initial Calibration





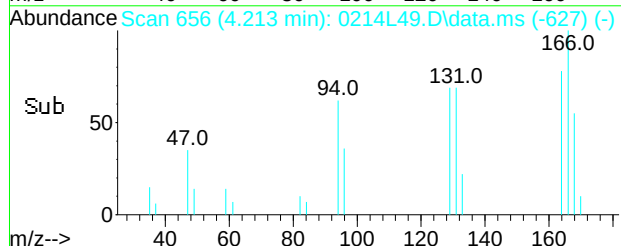
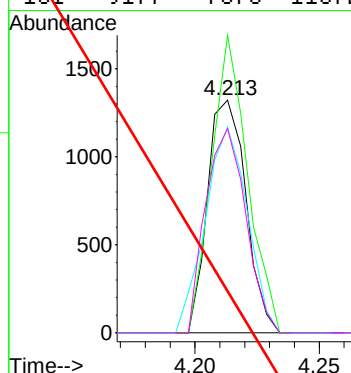
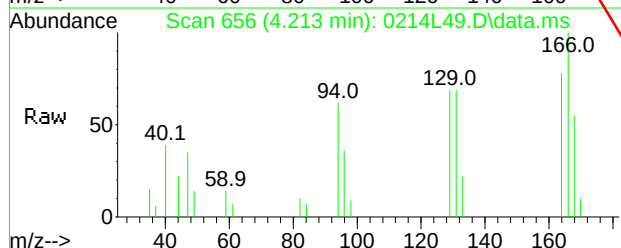
#11
Acetone
Concen: 1.33 ug/l
RT: 1.922 min Scan# 218
Delta R.T. -0.005 min
Lab File: 0214L49.D
Acq: 14 Feb 2014 11:58 pm

Tgt Ion: 43 Resp: 1090
Ion Ratio Lower Upper
43 100
58 18.5 20.5 30.7#



#43
Tetrachloroethene
Concen: 0.94 ug/l
RT: 4.213 min Scan# 656
Delta R.T. 0.000 min
Lab File: 0214L49.D
Acq: 14 Feb 2014 11:58 pm

Tgt Ion: 164 Resp: 1419
Ion Ratio Lower Upper
164 100
166 120.2 101.0 151.6
129 97.3 81.6 122.4
131 91.7 76.8 115.2



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

DUP

Client: EBC Lab: Phoenix Env. Labs

SDG No.: GBG09442 Lab Sample ID: BG09448

Sample wt/vol: 7.06 (g/mL) g Lab File ID: 0214L50.D

Level: (low/med/meth): Low Date Received: 02/14/14

% Moisture: 0 Date Analyzed: 02/15/14

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	3.6	U	0.94	3.6
74-87-3	Chloromethane	3.6	U	1.9	3.6
75-01-4	Vinyl Chloride	3.6	U	1.2	3.6
74-83-9	Bromomethane	3.6	U	2.7	3.6
75-00-3	Chloroethane	3.6	U	0.83	3.6
75-69-4	Trichlorofluoromethane	3.6	U	0.79	3.6
75-35-4	1,1-Dichloroethene	3.6	U	0.77	3.6
76-13-1	Trichlorotrifluoroethane	3.6	U	0.55	3.6
67-64-1	Acetone	12	JBS	3.5	36
75-15-0	Carbon Disulfide	3.6	U	0.58	3.6
75-09-2	Methylene Chloride	3.6	U	0.58	3.6
156-60-5	Trans-1,2-Dichloroethene	3.6	U	0.71	3.6
107-13-1	Acrylonitrile	7.1	U	2.0	7.1
75-34-3	1,1-Dichloroethane	3.6	U	0.70	3.6
156-59-2	Cis-1,2-Dichloroethene	3.6	U	0.77	3.6
594-20-7	2,2-Dichloropropane	3.6	U	0.60	3.6
109-99-9	Tetrahydrofuran (THF)	3.2	J	3.2	7.1
78-93-3	Methyl Ethyl Ketone	21	U	3.1	21
74-97-5	Bromochloromethane	3.6	U	0.52	3.6
67-66-3	Chloroform	3.6	U	0.65	3.6
71-55-6	1,1,1-Trichloroethane	3.6	U	0.71	3.6
1634-04-4	Methyl t-Butyl Ether (MTBE)	7.1	U	0.98	7.1
563-58-6	1,1-Dichloropropene	3.6	U	0.69	3.6
56-23-5	Carbon Tetrachloride	3.6	U	0.41	3.6
71-43-2	Benzene	3.6	U	0.70	3.6
107-06-2	1,2-Dichloroethane	3.6	U	0.31	3.6
79-01-6	Trichloroethene	3.6	U	0.75	3.6
78-87-5	1,2-dichloropropane	3.6	U	0.50	3.6
74-95-3	Dibromomethane	3.6	U	0.45	3.6
75-27-4	Bromodichloromethane	3.6	U	0.44	3.6
10061-01-5	cis-1,3-Dichloropropene	3.6	U	0.38	3.6
108-10-1	4-Methyl-2-Pentanone	18	U	0.84	18
108-88-3	Toluene	3.6	U	0.56	3.6
10061-02-6	trans-1,3-Dichloropropene	3.6	U	0.72	3.6
79-00-5	1,1,2-Trichloroethane	3.6	U	0.35	3.6
106-93-4	1,2-Dibromoethane	3.6	U	0.94	3.6

FORM I VOA

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

DUP

Client: EBC Lab: Phoenix Env. Labs

SDG No.: GBG09442 Lab Sample ID: BG09448

Sample wt/vol: 7.06 (g/mL) g Lab File ID: 0214L50.D

Level: (low/med/meth): Low Date Received: 02/14/14

% Moisture: 0 Date Analyzed: 02/15/14

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
127-18-4	Tetrachloroethene	1.8	J	0.75	3.6
142-28-9	1,3-Dichloropropane	3.6	U	0.38	3.6
591-78-6	2-Hexanone	18	U	1.6	18
124-48-1	Dibromochloromethane	3.6	U	0.40	3.6
108-90-7	Chlorobenzene	3.6	U	0.53	3.6
630-20-6	1,1,1,2-Tetrachloroethane	3.6	U	0.58	3.6
100-41-4	Ethylbenzene	3.6	U	0.65	3.6
179601-23-1	m&p-Xylene	3.6	U	1.4	3.6
95-47-6	o-Xylene	3.6	U	1.4	3.6
100-42-5	Styrene	3.6	U	1.0	3.6
75-25-2	Bromoform	3.6	U	0.50	3.6
98-82-8	Isopropylbenzene	3.6	U	0.68	3.6
79-34-5	1,1,2,2-Tetrachloroethane	3.6	U	0.50	3.6
108-86-1	Bromobenzene	3.6	U	0.46	3.6
96-18-4	1,2,3-Trichloropropane	3.6	U	0.50	3.6
103-65-1	n-Propylbenzene	3.6	U	0.64	3.6
95-49-8	2-Chlorotoluene	3.6	U	0.57	3.6
108-67-8	1,3,5-Trimethylbenzene	3.6	U	0.47	3.6
110-57-6	trans-1,4-Dichloro-2-butene	7.1	U	6.6	7.1
106-43-4	4-Chlorotoluene	3.6	U	0.41	3.6
98-06-6	tert-Butylbenzene	3.6	U	0.57	3.6
95-63-6	1,2,4-Trimethylbenzene	3.6	U	0.51	3.6
135-98-8	sec-Butylbenzene	3.6	U	0.67	3.6
541-73-1	1,3-Dichlorobenzene	3.6	U	0.53	3.6
99-87-6	p-Isopropyltoluene	3.6	U	0.51	3.6
106-46-7	1,4-Dichlorobenzene	3.6	U	0.56	3.6
527-84-4	2-Isopropyltoluene	3.6	U	0.49	3.6
104-51-8	n-Butylbenzene	3.6	U	0.65	3.6
95-50-1	1,2-Dichlorobenzene	3.6	U	0.39	3.6
96-12-8	1,2-Dibromo-3-Chloropropane	3.6	U	0.95	3.6
120-82-1	1,2,4-Trichlorobenzene	3.6	U	0.71	3.6
87-68-3	Hexachlorobutadiene	3.6	U	0.75	3.6
91-20-3	Naphthalene	3.6	U	0.95	3.6
87-61-6	1,2,3-Trichlorobenzene	3.6	U	0.71	3.6

FORM I VOA

Data Path : H:\V2014\CHEM03\02FEB\021414\
 Data File : 0214L50.D
 Acq On : 15 Feb 2014 12:19 am
 Operator :
 Sample : BG09448
 Misc : DUP
 ALS Vial : 1 Sample Multiplier: 1

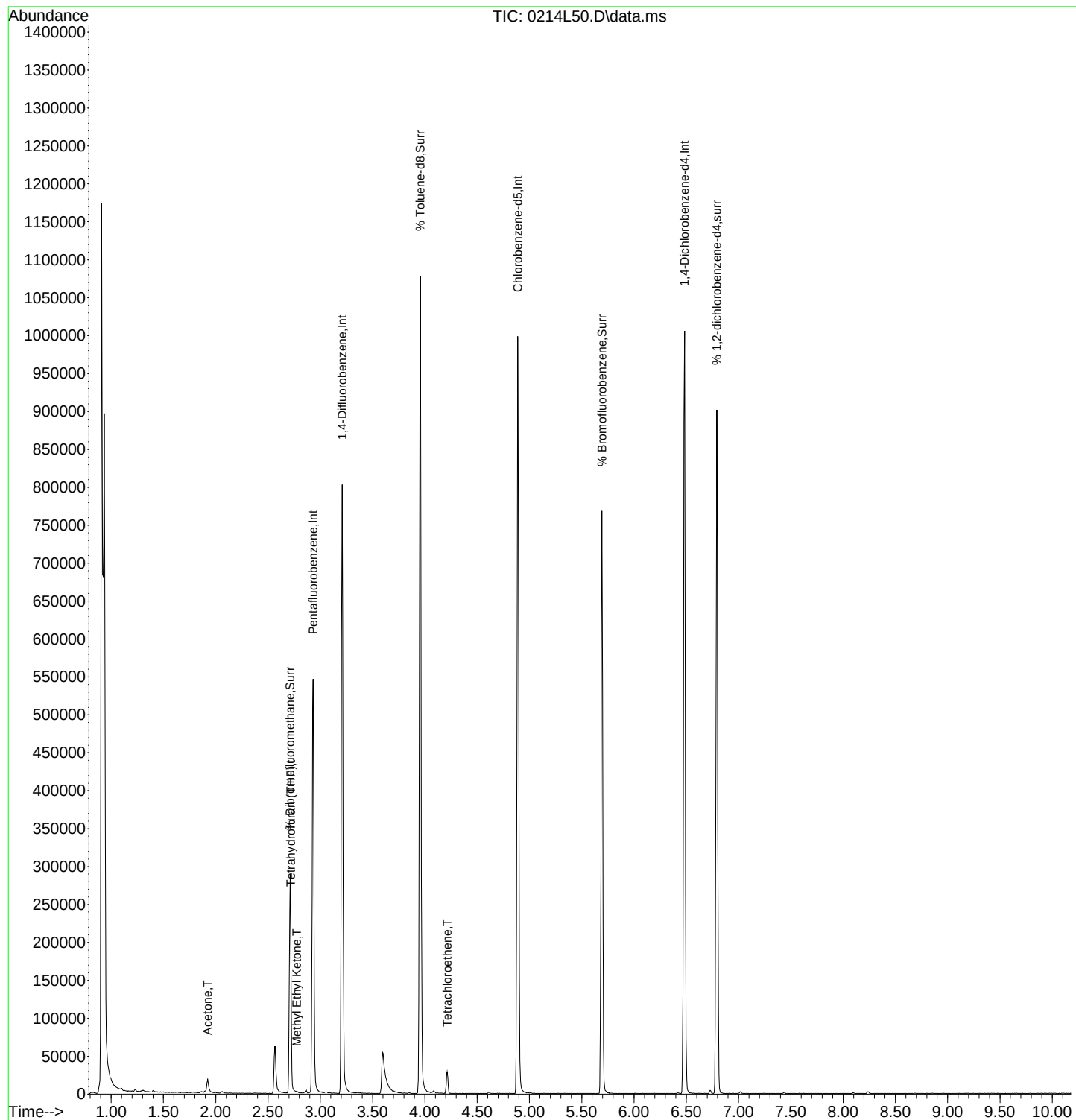
Quant Time: Feb 17 08:09:31 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Feb 17 07:58:40 2014
 Response via : Initial Calibration

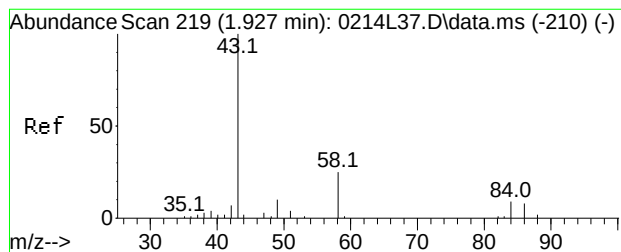
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	2.932	168	186220	50.00	ug/l	0.00
25) 1,4-Difluorobenzene	3.209	114	342758	50.00	ug/l	0.00
42) Chlorobenzene-d5	4.888	117	333050	50.00	ug/l	0.00
55) 1,4-Dichlorobenzene-d4	6.483	152	154460	50.00	ug/l	0.00
System Monitoring Compounds						
23) % Dibromofluoromethane	2.712	192	15934	49.17	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	98.34%	
37) % Toluene-d8	3.957	98	424144	51.02	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	102.04%	
54) % Bromofluorobenzene	5.693	95	178496	48.98	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	97.96%	
56) % 1,2-dichlorobenzene-d4	6.792	152	143334	51.33	ug/l	0.00
Spiked Amount 50.000	Range	75 - 125	Recovery	=	102.66%	
Target Compounds						
11) Acetone	1.922	43	13717	16.25	ug/l	99
19) Tetrahydrofuran (THF)	2.717	42	2747	4.53	ug/l	98
~~20) Methyl Ethyl Ketone~~	~~2.775~~	~~43~~	~~1040~~	~~0.80~~	~~ug/l~~	~~# 78~~
43) Tetrachloroethene	4.213	164	3825	2.49	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : H:\V2014\CHEM03\02FEB\021414\
Data File : 0214L50.D
Acq On : 15 Feb 2014 12:19 am
Operator :
Sample : BG09448
Misc : DUP
ALS Vial : 1 Sample Multiplier: 1

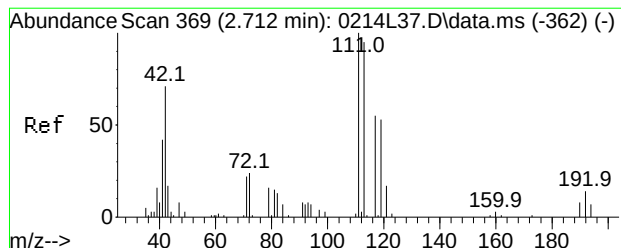
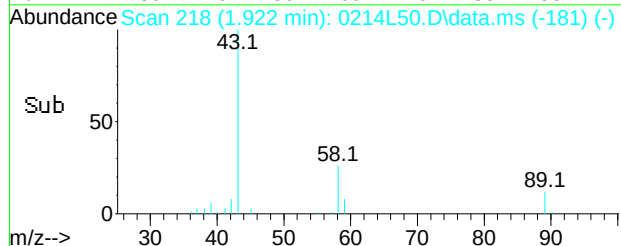
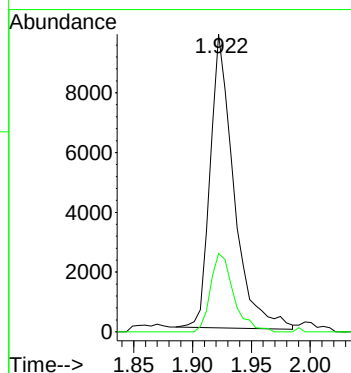
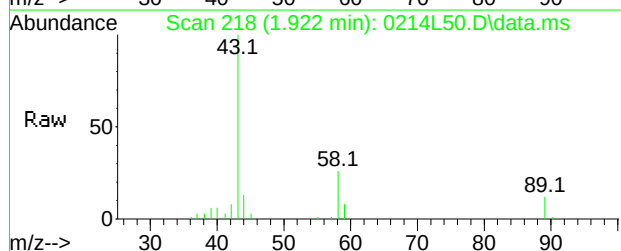
Quant Time: Feb 17 08:09:31 2014
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Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Feb 17 07:58:40 2014
Response via : Initial Calibration





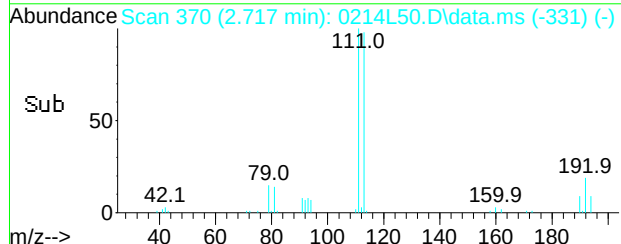
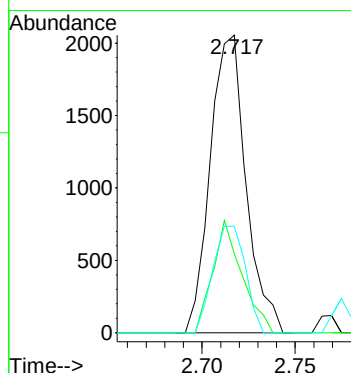
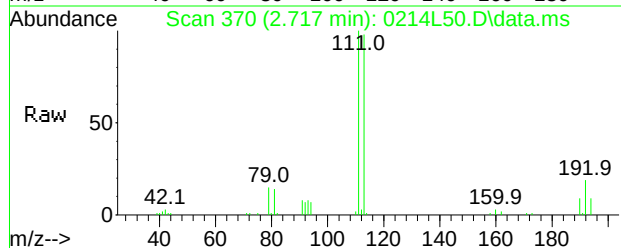
#11
Acetone
Concen: 16.25 ug/l
RT: 1.922 min Scan# 218
Delta R.T. -0.005 min
Lab File: 0214L50.D
Acq: 15 Feb 2014 12:19 am

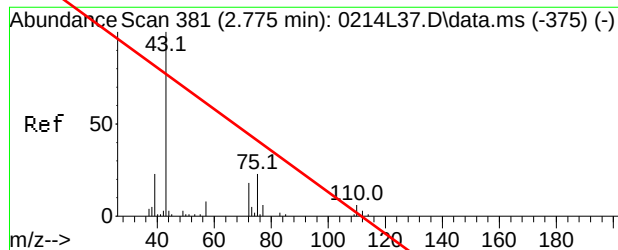
Tgt Ion: 43 Resp: 13717
Ion Ratio Lower Upper
43 100
58 26.1 20.5 30.7



#19
Tetrahydrofuran (THF)
Concen: 4.53 ug/l
RT: 2.717 min Scan# 370
Delta R.T. 0.005 min
Lab File: 0214L50.D
Acq: 15 Feb 2014 12:19 am

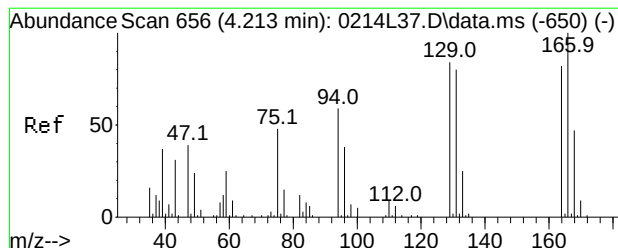
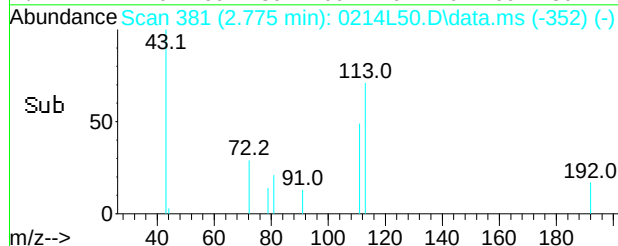
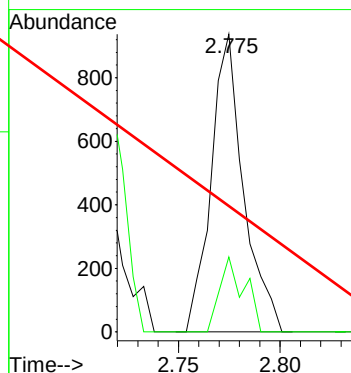
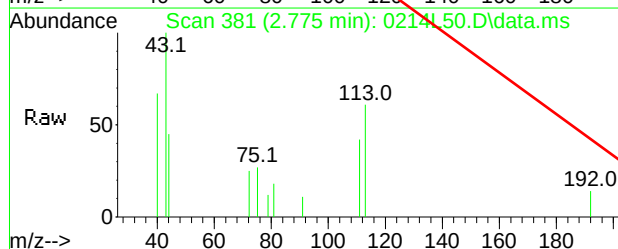
Tgt Ion: 42 Resp: 2747
Ion Ratio Lower Upper
42 100
71 30.8 23.4 35.2
72 32.5 26.6 39.8





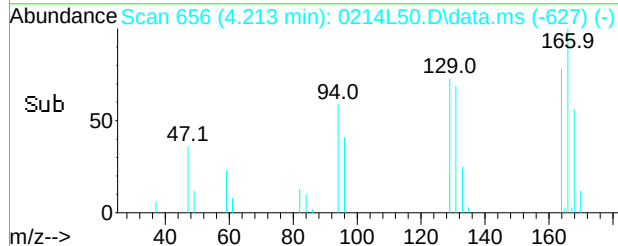
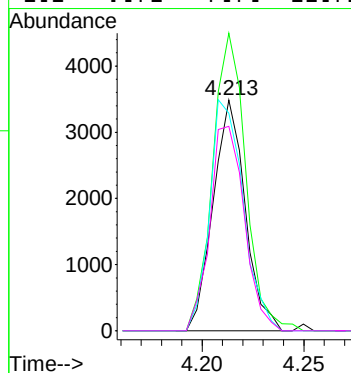
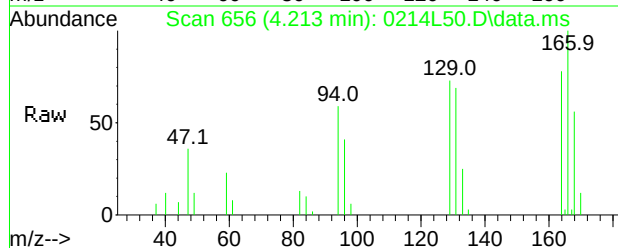
#20
Methyl Ethyl Ketone
Concen: 0.80 ug/l
RT: 2.775 min Scan# 381
Delta R.T. 0.000 min
Lab File: 0214L50.D
Acq: 15 Feb 2014 12:19 am

Tgt Ion: 43 Resp: 1040
Ion Ratio Lower Upper
43 100
72 19.1 25.3 37.9#



#43
Tetrachloroethene
Concen: 2.49 ug/l
RT: 4.213 min Scan# 656
Delta R.T. 0.000 min
Lab File: 0214L50.D
Acq: 15 Feb 2014 12:19 am

Tgt Ion: 164 Resp: 3825
Ion Ratio Lower Upper
164 100
166 133.0 101.0 151.6
129 104.5 81.6 122.4
131 95.1 76.8 115.2



6B
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBG09442

Instrument ID: CHEM03 Calibration Date(s): 02/12/14 02/12/14

Heated Purge (Y/N): Y Calibration Time(s): 09:20 11:49

GC Column: rtx-vms

LAB FILE ID:

RRF5 = <u>0212L04.D</u>	RRF10 = <u>0212L05.D</u>	RRF20 = <u>0212L06.D</u>
RRF50 = <u>0212L07.D</u>	RRF100 = <u>0212L08.D</u>	RRF150 = <u>0212L11.D</u>

COMPOUND		RRF5	RRF10	RRF20	RRF50	RRF100	RRF150	— RRF	% RSD
Dichlorodifluoromethane		0.624	0.638	0.641	0.663	0.637	0.597	0.633	3.5
Chloromethane		0.798	0.793	0.796	0.817	0.789	0.745	0.790	3.0
Vinyl Chloride		0.628	0.629	0.635	0.668	0.648	0.611	0.636	3.0
Bromomethane		0.306	0.290	0.290	0.292	0.299	0.282	0.293	2.8
Chloroethane		0.375	0.378	0.375	0.383	0.359	0.329	0.366	5.4
Trichlorofluoromethane		0.898	0.896	0.914	0.911	0.834	0.735	0.865	8.1
1,1-Dichloroethene		0.437	0.462	0.458	0.480	0.465	0.430	0.455	4.1
Trichlorotrifluoroethane		0.323	0.326	0.326	0.343	0.328	0.306	0.325	3.6
Acetone			0.301	0.246	0.213	0.193	0.180	0.227	21.4
Carbon Disulfide		1.621	1.658	1.720	1.797	1.768	1.664	1.705	4.0
Methylene Chloride		0.568	0.494	0.479	0.485	0.456	0.428	0.485	9.7
Trans-1,2-Dichloroethene		0.513	0.494	0.508	0.525	0.509	0.474	0.504	3.5
Acrylonitrile		0.172	0.170	0.175	0.184	0.185	0.175	0.177	3.5
1,1-Dichloroethane		1.105	1.081	1.126	1.176	1.135	1.066	1.115	3.6
Cis-1,2-Dichloroethene		0.531	0.528	0.547	0.564	0.551	0.526	0.541	2.8
2,2-Dichloropropane		0.958	0.960	0.995	1.058	1.041	0.978	0.998	4.2
Tetrahydrofuran (THF)		0.169	0.154	0.160	0.167	0.171	0.157	0.163	4.3
Methyl Ethyl Ketone		0.393	0.337	0.359	0.340	0.348	0.319	0.349	7.2
Bromochloromethane		0.207	0.212	0.220	0.230	0.226	0.216	0.218	3.9
Chloroform		1.029	1.010	1.034	1.072	1.047	0.976	1.028	3.2
1,1,1-Trichloroethane		1.029	1.014	1.024	1.102	1.072	0.980	1.037	4.2
Methyl t-Butyl Ether (MTBE)		0.750	0.686	0.708	0.731	0.740	0.699	0.719	3.5
1,1-Dichloropropene		0.143	0.144	0.154	0.158	0.155	0.148	0.150	4.2
Carbon Tetrachloride		0.444	0.442	0.446	0.483	0.482	0.451	0.458	4.2
Benzene		1.151	1.138	1.179	1.213	1.205	1.143	1.172	2.8
1,2-Dichloroethane		0.434	0.409	0.433	0.431	0.429	0.407	0.424	2.9
Trichloroethene	*	0.270	0.275	0.290	0.300	0.294	0.281	0.285	4.0
1,2-dichloropropane		0.285	0.275	0.296	0.304	0.305	0.291	0.293	3.9
Dibromomethane		0.140	0.141	0.150	0.153	0.154	0.149	0.148	4.1
Bromodichloromethane		0.393	0.386	0.404	0.421	0.423	0.401	0.405	3.7
cis-1,3-Dichloropropene		0.390	0.403	0.436	0.462	0.465	0.455	0.435	7.3
4-Methyl-2-Pentanone		0.298	0.287	0.308	0.320	0.334	0.318	0.311	5.4
Toluene		0.765	0.743	0.767	0.784	0.774	0.741	0.762	2.3
trans-1,3-Dichloropropene		0.375	0.369	0.410	0.437	0.441	0.431	0.411	7.7

* The minimum RRF was not met for this compound.

The minimum RRF was not met for all points for this compound, but the average was achieved.

FORM VI VOA

6C
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBG09442

Instrument ID: CHEM03 Calibration Date(s): 02/12/14 02/12/14

Heated Purge (Y/N): Y Calibration Time(s): 09:20 11:49

GC Column: rtx-vms

LAB FILE ID:

RRF5 = <u>0212L04.D</u>	RRF10 = <u>0212L05.D</u>	RRF20 = <u>0212L06.D</u>
RRF50 = <u>0212L07.D</u>	RRF100 = <u>0212L08.D</u>	RRF150 = <u>0212L11.D</u>

COMPOUND		RRF5	RRF10	RRF20	RRF50	RRF100	RRF150	— RRF	% RSD
1,1,2-Trichloroethane		0.202	0.189	0.206	0.208	0.213	0.205	0.204	3.9
1,2-Dibromoethane		0.198	0.196	0.204	0.213	0.219	0.211	0.207	4.5
Tetrachloroethene		0.216	0.229	0.238	0.243	0.234	0.223	0.231	4.3
1,3-Dichloropropane		0.422	0.397	0.423	0.439	0.435	0.415	0.422	3.6
2-Hexanone		0.306	0.272	0.271	0.268	0.277	0.264	0.276	5.4
Dibromochloromethane		0.232	0.234	0.249	0.261	0.264	0.255	0.249	5.5
Chlorobenzene		0.797	0.778	0.808	0.823	0.809	0.773	0.798	2.4
1,1,1,2-Tetrachloroethane		0.264	0.264	0.278	0.289	0.293	0.279	0.278	4.4
Ethylbenzene		0.474	0.454	0.486	0.501	0.491	0.459	0.477	3.9
m&p-Xylene		0.549	0.562	0.582	0.594	0.579	0.553	0.570	3.1
o-Xylene		0.526	0.534	0.574	0.592	0.575	0.549	0.558	4.7
Styrene		0.898	0.917	0.962	0.992	0.974	0.936	0.947	3.8
Bromoform		0.132	0.128	0.142	0.154	0.160	0.154	0.145	8.9
Isopropylbenzene		0.781	0.775	0.817	0.830	0.805	0.753	0.794	3.6
1,1,2,2-Tetrachloroethane		0.568	0.555	0.598	0.608	0.605	0.576	0.585	3.7
Bromobenzene		0.599	0.574	0.624	0.608	0.607	0.577	0.598	3.3
1,2,3-Trichloropropane		0.564	0.534	0.520	0.546	0.543	0.498	0.534	4.3
n-Propylbenzene		0.764	0.786	0.813	0.818	0.790	0.741	0.785	3.7
2-Chlorotoluene		0.659	0.672	0.704	0.702	0.691	0.647	0.679	3.5
1,3,5-Trimethylbenzene		2.756	2.815	2.930	2.918	2.869	2.702	2.832	3.2
trans-1,4-Dichloro-2-butene		0.194	0.196	0.227	0.232	0.241	0.235	0.221	9.3
4-Chlorotoluene		0.660	0.682	0.716	0.702	0.687	0.653	0.683	3.5
tert-Butylbenzene		2.180	2.246	2.402	2.395	2.363	2.165	2.292	4.7
1,2,4-Trimethylbenzene		2.625	2.628	2.831	2.792	2.755	2.634	2.711	3.4
sec-Butylbenzene		3.644	3.652	3.931	3.979	3.874	3.633	3.785	4.2
1,3-Dichlorobenzene		1.226	1.253	1.280	1.270	1.271	1.237	1.256	1.7
p-Isopropyltoluene		2.771	2.866	3.010	3.062	3.008	2.830	2.924	4.0
1,4-Dichlorobenzene		1.189	1.236	1.288	1.251	1.250	1.224	1.240	2.6
2-Isopropyltoluene		2.676	2.762	2.917	2.943	2.916	2.728	2.824	4.1
n-Butylbenzene		2.804	2.935	3.130	3.106	3.081	2.955	3.002	4.2
1,2-Dichlorobenzene		1.188	1.113	1.174	1.152	1.162	1.109	1.150	2.8
1,2-Dibromo-3-Chloropropane		0.091	0.078	0.095	0.098	0.106	0.102	0.095	10.5
1,2,4-Trichlorobenzene		0.787	0.778	0.826	0.794	0.810	0.806	0.800	2.2
Hexachlorobutadiene		0.427	0.443	0.474	0.480	0.478	0.438	0.457	5.2

* The minimum RRF was not met for this compound.

The minimum RRF was not met for all points for this compound, but the average was achieved.

FORM VI VOA

Lab Name:	Phoenix Environmental Labs	Client:	EBC				
Lab Code:	Phoenix	Case No.:		SAS No.:		SDG No.:	GBG09442
Instrument ID:	CHEM03	Calibration Date(s):		02/12/14	02/12/14		
Heated Purge (Y/N):	Y	Calibration Time(s):		09:20	11:49		
GC Column:	rtx-vms						

RRF5 =	<u>0212L04.D</u>	RRF10 =	<u>0212L05.D</u>	RRF20 =	<u>0212L06.D</u>
RRF50 =	<u>0212L07.D</u>	RRF100 =	<u>0212L08.D</u>	RRF150 =	<u>0212L11.D</u>

* The minimum RRF was not met for this compound.
The minimum RRF was not met for all points for this compound, but the average was achieved.

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Data Path : H:\V2014\CHEM03\02FEB\021214\
 Data File : 0212L04.D
 Acq On : 12 Feb 2014 9:20 am
 Operator :
 Sample : 8260-5 ppb
 Misc : ICAL 5.0
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 12 10:58:16 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Feb 12 10:57:39 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	2.916	168	220826	50.00	ug/l	0.00
25) 1,4-Difluorobenzene	3.193	114	416988	50.00	ug/l	0.00
42) Chlorobenzene-d5	4.872	117	386795	50.00	ug/l	0.00
55) 1,4-Dichlorobenzene-d4	6.462	152	180044	50.00	ug/l	0.00
System Monitoring Compounds						
23) % Dibromofluoromethane	2.696	192	19424	49.56	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	99.12%		
37) % Toluene-d8	3.936	98	503880	49.82	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	99.64%		
54) % Bromofluorobenzene	5.672	95	208946	49.21	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	98.42%		
56) % 1,2-dichlorobenzene-d4	6.776	152	165253	51.54	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	103.08%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.981	85	13776	4.71	ug/l	100
3) Chloromethane	1.075	50	17629	4.89	ug/l	99
4) Vinyl Chloride	1.117	62	13875	4.71	ug/l	96
5) Bromomethane	1.268	94	6751	5.23	ug/l	97
6) Chloroethane	1.326	64	8270	4.89	ug/l	96
7) Trichlorofluoromethane	1.394	101	19826	4.93	ug/l	# 100
8) 1,1-Dichloroethene	1.624	96	9642	4.55	ug/l	97
9) Trichlorotrifluoroethane	1.640	151	7127	4.70	ug/l	99
10) Acrolein	1.776	56	7150	27.17	ug/l	99
11) Acetone	1.912	43	11087	11.78	ug/l	96
12) Carbon Disulfide	1.645	76	35801	4.51	ug/l	99
13) Methylene Chloride	1.886	84	12546	5.86	ug/l	90
14) Trans-1,2-Dichloroethene	1.954	96	11334	4.89	ug/l	93
15) 1,1-Dichloroethane	2.236	63	24395	4.70	ug/l	97
16) Acrylonitrile	2.262	53	3803	4.67	ug/l	98
17) Cis-1,2-Dichloroethene	2.487	96	11725	4.71	ug/l	98
18) 2,2-Dichloropropane	2.534	77	21158	4.53	ug/l	99
19) Tetrahydrofuran (THF)	2.696	42	9353	12.70	ug/l	98
20) Methyl Ethyl Ketone	2.759	43	8673	5.78	ug/l	96
21) Bromochloromethane	2.581	128	4575	4.51	ug/l	92
22) Chloroform	2.607	83	22732	4.80	ug/l	97
24) 1,1,1-Trichloroethane	2.712	97	22728	4.67	ug/l	99
26) Methyl t-Butyl Ether (...)	2.006	73	31292	5.13	ug/l	# 86
27) 1,1-Dichloropropene	2.775	110	5944	4.51	ug/l	97
28) Carbon Tetrachloride	2.681	117	18512	4.60	ug/l	98
29) Benzene	2.895	78	48007	4.74	ug/l	100
30) 1,2-Dichloroethane	2.989	62	18088	5.03	ug/l	100
31) Trichloroethene	3.183	130	11262	4.51	ug/l	# 44
32) 1,2-dichloropropane	3.455	63	11870	4.69	ug/l	100
33) Dibromomethane	3.408	93	5826	4.58	ug/l	96
34) Bromodichloromethane	3.486	83	16397	4.67	ug/l	91
35) cis-1,3-Dichloropropene	3.831	75	16278	4.23	ug/l	97
36) 4-Methyl-2-Pentanone	4.182	43	12428	4.66	ug/l	98
38) Toluene	3.967	92	31902	4.88	ug/l	98
39) trans-1,3-Dichloropropene	4.203	75	15638	4.29	ug/l	99
40) 1,1,2-Trichloroethane	4.302	97	8421	4.85	ug/l	95
41) 1,2-Dibromoethane	4.558	107	8238	4.63	ug/l	98
43) Tetrachloroethene	4.192	164	8358	4.44	ug/l	98

Data Path : H:\V2014\CHEM03\02FEB\021214\
 Data File : 0212L04.D
 Acq On : 12 Feb 2014 9:20 am
 Operator :
 Sample : 8260-5 ppb
 Misc : ICAL 5.0
 ALS Vial : 1 Sample Multiplier: 1

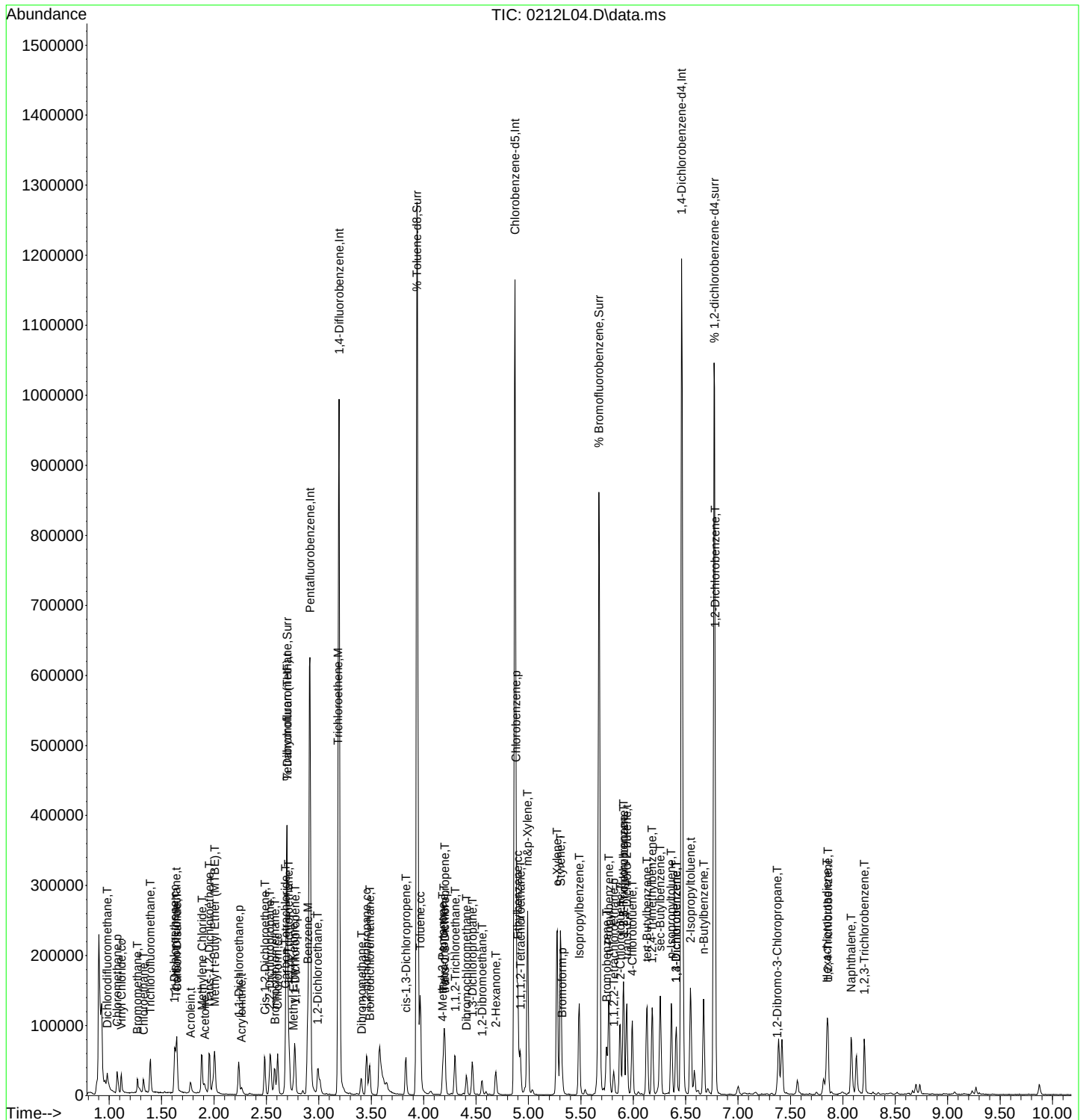
Quant Time: Feb 12 10:58:16 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Feb 12 10:57:39 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 1,3-Dichloropropane	4.464	76	16319	4.80	ug/l	96
45) 2-Hexanone	4.689	43	11820	5.71	ug/l #	93
46) Dibromochloromethane	4.407	129	8973	4.44	ug/l	100
47) Chlorobenzene	4.882	112	30817	4.84	ug/l	98
48) 1,1,1,2-Tetrachloroethane	4.924	131	10191	4.57	ug/l	97
49) Ethylbenzene	4.898	106	18327	4.73	ug/l #	90
50) m&p-Xylene	4.992	106	42468	9.24	ug/l	97
51) o-Xylene	5.275	106	40695	8.88	ug/l	98
52) Styrene	5.306	104	69433	9.05	ug/l	99
53) Bromoform	5.322	173	5116	4.31	ug/l	96
57) Isopropylbenzene	5.484	120	14063	4.70	ug/l	89
58) 1,1,2,2-Tetrachloroethane	5.813	83	10219	4.67	ug/l	98
59) Bromobenzene	5.745	156	10779	4.92	ug/l	97
60) 1,2,3-Trichloropropane	5.908	75	10158	5.17	ug/l	92
61) n-Propylbenzene	5.766	120	13750	4.67	ug/l	99
62) 2-Chlorotoluene	5.876	126	11861	4.69	ug/l	99
63) 1,3,5-Trimethylbenzene	5.908	105	49613	4.72	ug/l	100
64) trans-1,4-Dichloro-2-b...	5.939	75	17480	20.95	ug/l	92
65) 4-Chlorotoluene	5.991	126	11878	4.70	ug/l	100
66) tert-Butylbenzene	6.132	119	39243	4.55	ug/l	97
67) 1,2,4-Trimethylbenzene	6.180	105	47254	4.70	ug/l	97
68) sec-Butylbenzene	6.258	105	65600	4.58	ug/l	99
69) 1,3-Dichlorobenzene	6.410	146	22069	4.83	ug/l	99
70) p-Isopropyltoluene	6.363	119	49894	4.52	ug/l	98
71) 1,4-Dichlorobenzene	6.410	146	21412	4.75	ug/l	99
72) 2-Isopropyltoluene	6.546	119	48173	4.55	ug/l	99
73) n-Butylbenzene	6.671	91	50492	4.51	ug/l	99
74) 1,2-Dichlorobenzene	6.781	146	21391	5.16	ug/l	94
75) 1,2-Dibromo-3-Chloropr...	7.372	155	1646	4.64	ug/l	95
76) 1,2,4-Trichlorobenzene	7.858	180	14168	4.96	ug/l	99
77) Hexachlorobutadiene	7.848	225	7681	4.44	ug/l	94
78) Naphthalene	8.078	128	36096	4.73	ug/l	97
79) 1,2,3-Trichlorobenzene	8.204	180	13622	5.03	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : H:\V2014\CHEM03\02FEB\021214\
Data File : 0212L04.D
Acq On : 12 Feb 2014 9:20 am
Operator :
Sample : 8260-5 ppb
Misc : ICAL 5.0
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 12 10:58:16 2014
Quant Method : H:\V2014\CHEM03\Methods\RCPs_0212#1.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Feb 12 10:57:39 2014
Response via : Initial Calibration



Data Path : H:\V2014\CHEM03\02FEB\021214\
 Data File : 0212L05.D
 Acq On : 12 Feb 2014 9:41 am
 Operator :
 Sample : 8260-10 ppb
 Misc : ICAL 10
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 12 10:58:20 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Feb 12 10:58:01 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	2.916	168	220900	50.00	ug/l	0.00
25) 1,4-Difluorobenzene	3.193	114	411815	50.00	ug/l	0.00
42) Chlorobenzene-d5	4.872	117	383094	50.00	ug/l	0.00
55) 1,4-Dichlorobenzene-d4	6.462	152	180881	50.00	ug/l	0.00
System Monitoring Compounds						
23) % Dibromofluoromethane	2.696	192	19589	49.97	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	99.94%		
37) % Toluene-d8	3.936	98	500127	50.07	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	100.14%		
54) % Bromofluorobenzene	5.672	95	207314	49.29	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	98.58%		
56) % 1,2-dichlorobenzene-d4	6.776	152	162895	50.57	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	101.14%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.981	85	28184	9.63	ug/l	99
3) Chloromethane	1.075	50	35040	9.71	ug/l	100
4) Vinyl Chloride	1.117	62	27794	9.42	ug/l	96
5) Bromomethane	1.269	94	12796	9.91	ug/l	98
6) Chloroethane	1.326	64	16679	9.86	ug/l	96
7) Trichlorofluoromethane	1.394	101	39600	9.84	ug/l	# 100
8) 1,1-Dichloroethene	1.624	96	20427	9.64	ug/l	92
9) Trichlorotrifluoroethane	1.640	151	14388	9.49	ug/l	98
10) Acrolein	1.776	56	12662	48.10	ug/l	100
11) Acetone	1.907	43	13297	14.12	ug/l	96
12) Carbon Disulfide	1.645	76	73268	9.23	ug/l	100
13) Methylene Chloride	1.880	84	21829	10.19	ug/l	95
14) Trans-1,2-Dichloroethene	1.954	96	21808	9.40	ug/l	95
15) 1,1-Dichloroethane	2.236	63	47773	9.19	ug/l	97
16) Acrylonitrile	2.262	53	7508	9.22	ug/l	97
17) Cis-1,2-Dichloroethene	2.482	96	23319	9.36	ug/l	97
18) 2,2-Dichloropropane	2.534	77	42395	9.07	ug/l	98
19) Tetrahydrofuran (THF)	2.696	42	16970	23.03	ug/l	98
20) Methyl Ethyl Ketone	2.759	43	14876	9.90	ug/l	99
21) Bromochloromethane	2.581	128	9348	9.22	ug/l	97
22) Chloroform	2.607	83	44615	9.42	ug/l	100
24) 1,1,1-Trichloroethane	2.712	97	44818	9.21	ug/l	99
26) Methyl t-Butyl Ether (...)	2.006	73	56525	9.39	ug/l	92
27) 1,1-Dichloropropene	2.770	110	11870	9.13	ug/l	97
28) Carbon Tetrachloride	2.681	117	36431	9.16	ug/l	96
29) Benzene	2.895	78	93760	9.38	ug/l	100
30) 1,2-Dichloroethane	2.989	62	33660	9.48	ug/l	99
31) Trichloroethene	3.183	130	22664	9.18	ug/l	# 77
32) 1,2-dichloropropane	3.455	63	22678	9.07	ug/l	100
33) Dibromomethane	3.402	93	11583	9.22	ug/l	96
34) Bromodichloromethane	3.486	83	31762	9.17	ug/l	99
35) cis-1,3-Dichloropropene	3.831	75	33203	8.74	ug/l	96
36) 4-Methyl-2-Pentanone	4.182	43	23639	8.97	ug/l	99
38) Toluene	3.967	92	61195	9.47	ug/l	99
39) trans-1,3-Dichloropropene	4.203	75	30421	8.45	ug/l	94
40) 1,1,2-Trichloroethane	4.297	97	15601	9.10	ug/l	100
41) 1,2-Dibromoethane	4.558	107	16108	9.17	ug/l	98
43) Tetrachloroethene	4.192	164	17537	9.41	ug/l	98

Data Path : H:\V2014\CHEM03\02FEB\021214\
 Data File : 0212L05.D
 Acq On : 12 Feb 2014 9:41 am
 Operator :
 Sample : 8260-10 ppb
 Misc : ICAL 10
 ALS Vial : 1 Sample Multiplier: 1

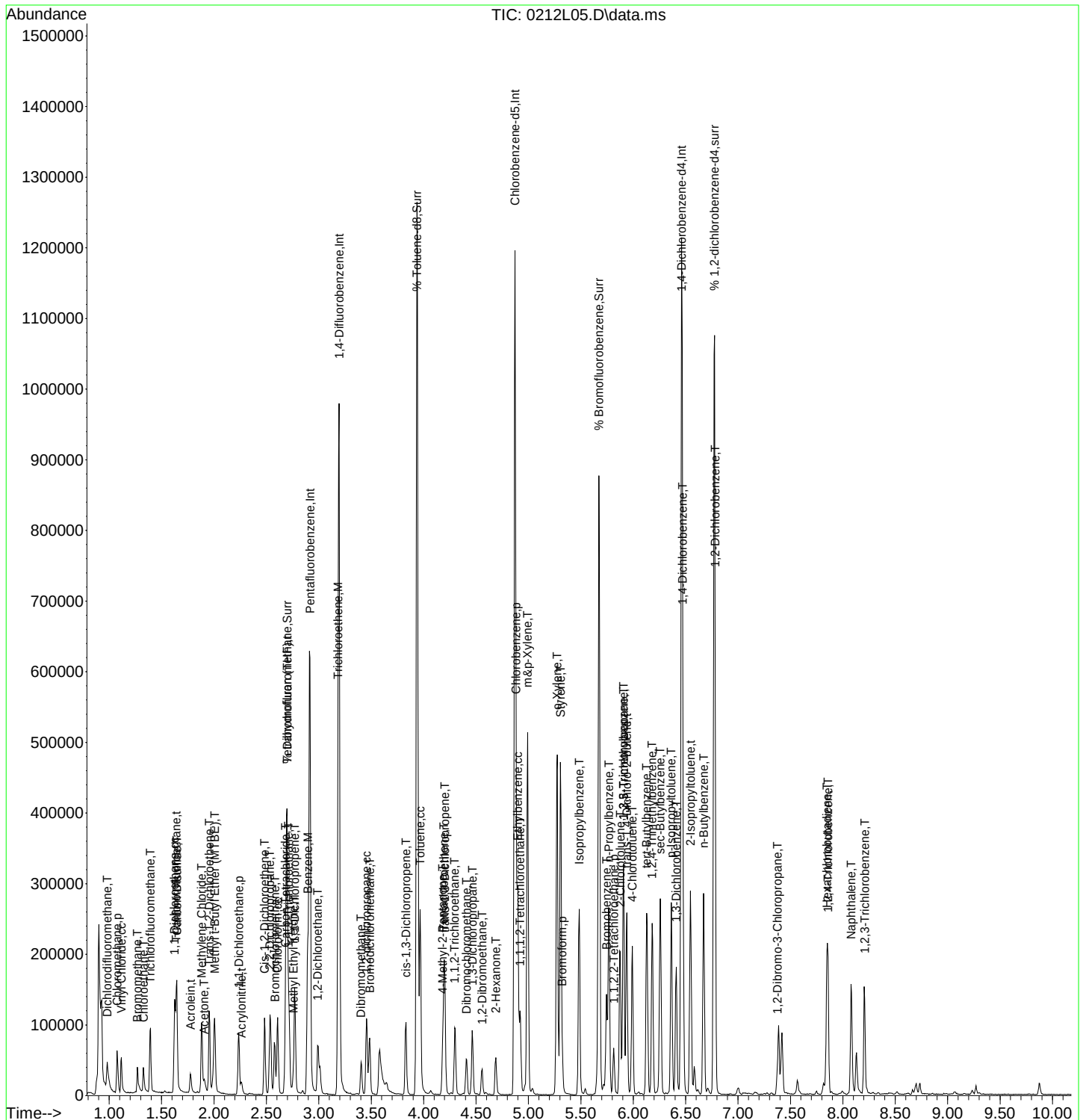
Quant Time: Feb 12 10:58:20 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Feb 12 10:58:01 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 1,3-Dichloropropane	4.464	76	30399	9.03	ug/l	100
45) 2-Hexanone	4.689	43	20851	10.17	ug/l #	95
46) Dibromochloromethane	4.407	129	17910	8.95	ug/l	98
47) Chlorobenzene	4.883	112	59579	9.45	ug/l	99
48) 1,1,1,2-Tetrachloroethane	4.919	131	20222	9.15	ug/l	96
49) Ethylbenzene	4.898	106	34807	9.07	ug/l	100
50) m&p-Xylene	4.992	106	86128	18.93	ug/l	97
51) o-Xylene	5.275	106	81889	18.05	ug/l	98
52) Styrene	5.306	104	140555	18.49	ug/l	96
53) Bromoform	5.322	173	9793	8.33	ug/l	99
57) Isopropylbenzene	5.484	120	28027	9.33	ug/l	96
58) 1,1,2,2-Tetrachloroethane	5.814	83	20080	9.13	ug/l	100
59) Bromobenzene	5.746	156	20761	9.44	ug/l	98
60) 1,2,3-Trichloropropane	5.908	75	19331	9.79	ug/l	100
61) n-Propylbenzene	5.767	120	28445	9.61	ug/l	96
62) 2-Chlorotoluene	5.876	126	24322	9.57	ug/l	96
63) 1,3,5-Trimethylbenzene	5.908	105	101822	9.65	ug/l	98
64) trans-1,4-Dichloro-2-b...	5.939	75	35422	42.25	ug/l	95
65) 4-Chlorotoluene	5.991	126	24657	9.71	ug/l	100
66) tert-Butylbenzene	6.127	119	81233	9.37	ug/l	98
67) 1,2,4-Trimethylbenzene	6.180	105	95054	9.41	ug/l	98
68) sec-Butylbenzene	6.258	105	132104	9.18	ug/l	100
69) 1,3-Dichlorobenzene	6.410	146	45343	9.87	ug/l	99
70) p-Isopropyltoluene	6.363	119	103664	9.36	ug/l	99
71) 1,4-Dichlorobenzene	6.473	146	44697	9.88	ug/l	96
72) 2-Isopropyltoluene	6.546	119	99910	9.38	ug/l	99
73) n-Butylbenzene	6.671	91	106178	9.45	ug/l	100
74) 1,2-Dichlorobenzene	6.781	146	40273	9.66	ug/l	97
75) 1,2-Dibromo-3-Chloropr...	7.377	155	2804	7.87	ug/l	87
76) 1,2,4-Trichlorobenzene	7.859	180	28157	9.80	ug/l	98
77) Hexachlorobutadiene	7.848	225	16007	9.22	ug/l	97
78) Naphthalene	8.078	128	69513	9.06	ug/l	99
79) 1,2,3-Trichlorobenzene	8.209	180	25463	9.35	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : H:\V2014\CHEM03\02FEB\021214\
Data File : 0212L05.D
Acq On : 12 Feb 2014 9:41 am
Operator :
Sample : 8260-10 ppb
Misc : ICAL 10
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 12 10:58:20 2014
Quant Method : H:\V2014\CHEM03\Methods\RCPs_0212#1.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Feb 12 10:58:01 2014
Response via : Initial Calibration



Data Path : H:\V2014\CHEM03\02FEB\021214\
 Data File : 0212L06.D
 Acq On : 12 Feb 2014 10:02 am
 Operator :
 Sample : 8260-20 ppb
 Misc : ICAL 20
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 12 10:58:23 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Feb 12 10:58:01 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	2.916	168	224255	50.00	ug/l	0.00
25) 1,4-Difluorobenzene	3.193	114	418224	50.00	ug/l	0.00
42) Chlorobenzene-d5	4.872	117	388015	50.00	ug/l	0.00
55) 1,4-Dichlorobenzene-d4	6.462	152	183431	50.00	ug/l	0.00
System Monitoring Compounds						
23) % Dibromofluoromethane	2.696	192	19075	47.93	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	95.86%		
37) % Toluene-d8	3.936	98	508289	50.11	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	100.22%		
54) % Bromofluorobenzene	5.672	95	208334	48.91	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	97.82%		
56) % 1,2-dichlorobenzene-d4	6.771	152	167815	51.38	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 125		Recovery =	102.76%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.981	85	57491	19.34	ug/l	100
3) Chloromethane	1.075	50	71435	19.49	ug/l	99
4) Vinyl Chloride	1.112	62	56980	19.03	ug/l	99
5) Bromomethane	1.268	94	26048	19.87	ug/l	98
6) Chloroethane	1.326	64	33641	19.58	ug/l	98
7) Trichlorofluoromethane	1.389	101	81968	20.07	ug/l	# 100
8) 1,1-Dichloroethene	1.624	96	41114	19.10	ug/l	95
9) Trichlorotrifluoroethane	1.635	151	29243	19.01	ug/l	97
10) Acrolein	1.776	56	25787	96.49	ug/l	95
11) Acetone	1.907	43	22076	23.09	ug/l	93
12) Carbon Disulfide	1.645	76	154250	19.14	ug/l	100
13) Methylene Chloride	1.880	84	42983	19.77	ug/l	91
14) Trans-1,2-Dichloroethene	1.954	96	45541	19.34	ug/l	95
15) 1,1-Dichloroethane	2.231	63	100987	19.14	ug/l	100
16) Acrylonitrile	2.257	53	15726	19.03	ug/l	98
17) Cis-1,2-Dichloroethene	2.482	96	49031	19.38	ug/l	98
18) 2,2-Dichloropropane	2.534	77	89283	18.82	ug/l	99
19) Tetrahydrofuran (THF)	2.696	42	35942	48.05	ug/l	99
20) Methyl Ethyl Ketone	2.754	43	32156	21.09	ug/l	95
21) Bromochloromethane	2.576	128	19727	19.17	ug/l	99
22) Chloroform	2.607	83	92751	19.28	ug/l	94
24) 1,1,1-Trichloroethane	2.712	97	91821	18.58	ug/l	98
26) Methyl t-Butyl Ether (...)	2.006	73	118352	19.36	ug/l	96
27) 1,1-Dichloropropene	2.770	110	25767	19.51	ug/l	98
28) Carbon Tetrachloride	2.681	117	74602	18.47	ug/l	96
29) Benzene	2.890	78	197221	19.44	ug/l	100
30) 1,2-Dichloroethane	2.989	62	72382	20.08	ug/l	99
31) Trichloroethene	3.183	130	48542	19.37	ug/l	94
32) 1,2-dichloropropane	3.455	63	49468	19.48	ug/l	99
33) Dibromomethane	3.402	93	25127	19.68	ug/l	97
34) Bromodichloromethane	3.486	83	67533	19.19	ug/l	99
35) cis-1,3-Dichloropropene	3.831	75	72970	18.90	ug/l	100
36) 4-Methyl-2-Pentanone	4.182	43	51522	19.25	ug/l	99
38) Toluene	3.967	92	128359	19.56	ug/l	100
39) trans-1,3-Dichloropropene	4.203	75	68646	18.77	ug/l	99
40) 1,1,2-Trichloroethane	4.297	97	34401	19.76	ug/l	94
41) 1,2-Dibromoethane	4.558	107	34119	19.13	ug/l	98
43) Tetrachloroethene	4.192	164	36952	19.57	ug/l	99

Data Path : H:\V2014\CHEM03\02FEB\021214\
 Data File : 0212L06.D
 Acq On : 12 Feb 2014 10:02 am
 Operator :
 Sample : 8260-20 ppb
 Misc : ICAL 20
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 12 10:58:23 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Feb 12 10:58:01 2014
 Response via : Initial Calibration

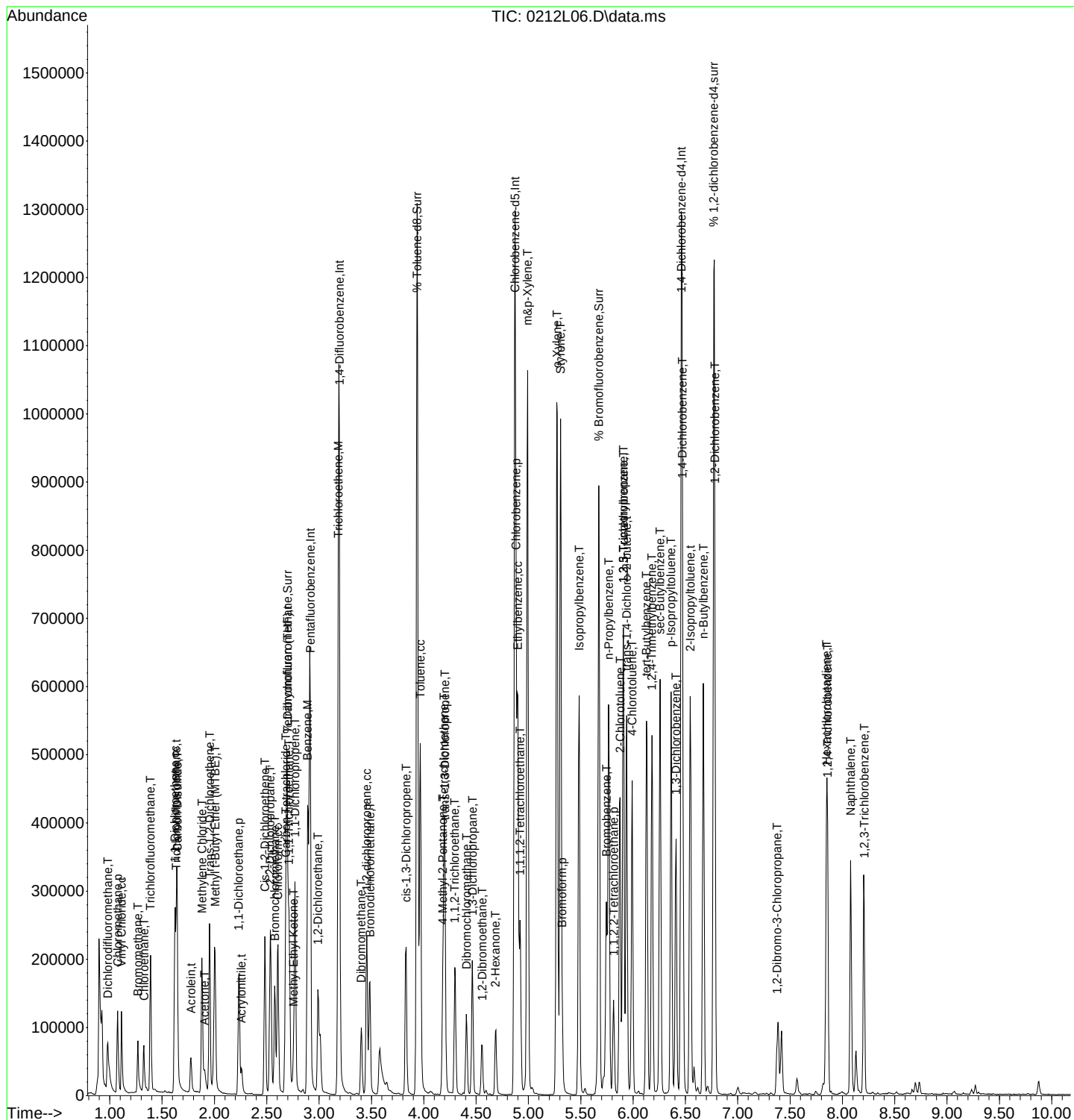
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 1,3-Dichloropropane	4.464	76	65579	19.24	ug/l	100
45) 2-Hexanone	4.684	43	42119	20.29	ug/l	97
46) Dibromochloromethane	4.407	129	38629	19.05	ug/l	100
47) Chlorobenzene	4.883	112	125460	19.65	ug/l	99
48) 1,1,1,2-Tetrachloroethane	4.919	131	43157	19.27	ug/l	98
49) Ethylbenzene	4.898	106	75468	19.42	ug/l	96
50) m&p-Xylene	4.992	106	180528	39.17	ug/l	98
51) o-Xylene	5.275	106	178164	38.77	ug/l	96
52) Styrene	5.306	104	298742	38.81	ug/l	97
53) Bromoform	5.322	173	21960	18.44	ug/l	100
57) Isopropylbenzene	5.484	120	59916	19.67	ug/l	99
58) 1,1,2,2-Tetrachloroethane	5.814	83	43895	19.68	ug/l	99
59) Bromobenzene	5.746	156	45810	20.53	ug/l	96
60) 1,2,3-Trichloropropane	5.908	75	38128	19.05	ug/l	93
61) n-Propylbenzene	5.766	120	59654	19.87	ug/l	97
62) 2-Chlorotoluene	5.876	126	51645	20.05	ug/l	97
63) 1,3,5-Trimethylbenzene	5.908	105	215000	20.08	ug/l	98
64) trans-1,4-Dichloro-2-b...	5.939	75	83174	97.84	ug/l	99
65) 4-Chlorotoluene	5.991	126	52565	20.41	ug/l	100
66) tert-Butylbenzene	6.127	119	176207	20.05	ug/l	98
67) 1,2,4-Trimethylbenzene	6.180	105	207731	20.28	ug/l	99
68) sec-Butylbenzene	6.258	105	288404	19.76	ug/l	100
69) 1,3-Dichlorobenzene	6.410	146	93877	20.15	ug/l	100
70) p-Isopropyltoluene	6.363	119	220832	19.66	ug/l	99
71) 1,4-Dichlorobenzene	6.473	146	94510	20.59	ug/l	99
72) 2-Isopropyltoluene	6.546	119	213997	19.82	ug/l	99
73) n-Butylbenzene	6.671	91	229634	20.15	ug/l	100
74) 1,2-Dichlorobenzene	6.781	146	86165	20.39	ug/l	99
75) 1,2-Dibromo-3-Chloropr...	7.377	155	6956	19.26	ug/l	98
76) 1,2,4-Trichlorobenzene	7.859	180	60600	20.80	ug/l	98
77) Hexachlorobutadiene	7.848	225	34790	19.76	ug/l	99
78) Naphthalene	8.078	128	152630	19.62	ug/l	99
79) 1,2,3-Trichlorobenzene	8.209	180	56429	20.44	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : H:\V2014\CHEM03\02FEB\021214\
Data File : 0212L06.D
Acq On : 12 Feb 2014 10:02 am
Operator :
Sample : 8260-20 ppb
Misc : ICAL 20
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 12 10:58:23 2014
Quant Method : H:\2014\CHEM03\Methods\RCPs_0212#1.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Feb 12 10:58:01 2014
Response via : Initial Calibration



Data Path : H:\V2014\CHEM03\02FEB\021214\
 Data File : 0212L07.D
 Acq On : 12 Feb 2014 10:24 am
 Operator :
 Sample : 8260-50 ppb
 Misc : ICAL 50
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 12 10:58:26 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Feb 12 10:58:01 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	2.916	168	224719	50.00	ug/l	0.00
25) 1,4-Difluorobenzene	3.193	114	423180	50.00	ug/l	0.00
42) Chlorobenzene-d5	4.872	117	393157	50.00	ug/l	0.00
55) 1,4-Dichlorobenzene-d4	6.462	152	193591	50.00	ug/l	0.00
System Monitoring Compounds						
23) % Dibromofluoromethane	2.696	192	19941	50.00	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.00%			
37) % Toluene-d8	3.936	98	513200	50.00	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.00%			
54) % Bromofluorobenzene	5.672	95	215806	50.00	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.00%			
56) % 1,2-dichlorobenzene-d4	6.776	152	172363	50.00	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.00%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.981	85	148905	50.00	ug/l	100
3) Chloromethane	1.075	50	183617	50.00	ug/l	100
4) Vinyl Chloride	1.117	62	150004	50.00	ug/l	99
5) Bromomethane	1.268	94	65679	50.00	ug/l	92
6) Chloroethane	1.326	64	86083	50.00	ug/l	99
7) Trichlorofluoromethane	1.389	101	204637	50.00	ug/l	# 100
8) 1,1-Dichloroethene	1.624	96	107836	50.00	ug/l	93
9) Trichlorotrifluoroethane	1.640	151	77081	50.00	ug/l	99
10) Acrolein	1.776	56	66948	250.00	ug/l	97
11) Acetone	1.912	43	47895	50.00	ug/l	99
12) Carbon Disulfide	1.645	76	403739	50.00	ug/l	99
13) Methylene Chloride	1.880	84	108918	50.00	ug/l	94
14) Trans-1,2-Dichloroethene	1.954	96	118008	50.00	ug/l	97
15) 1,1-Dichloroethane	2.236	63	264316	50.00	ug/l	99
16) Acrylonitrile	2.262	53	41415	50.00	ug/l	98
17) Cis-1,2-Dichloroethene	2.482	96	126769	50.00	ug/l	98
18) 2,2-Dichloropropane	2.534	77	237631	50.00	ug/l	99
19) Tetrahydrofuran (THF)	2.696	42	93694	125.00	ug/l	99
20) Methyl Ethyl Ketone	2.759	43	76404	50.00	ug/l	99
21) Bromochloromethane	2.581	128	51567	50.00	ug/l	95
22) Chloroform	2.607	83	240973	50.00	ug/l	98
24) 1,1,1-Trichloroethane	2.712	97	247594	50.00	ug/l	99
26) Methyl t-Butyl Ether (...)	2.006	73	309298	50.00	ug/l	98
27) 1,1-Dichloropropene	2.770	110	66807	50.00	ug/l	99
28) Carbon Tetrachloride	2.681	117	204337	50.00	ug/l	98
29) Benzene	2.895	78	513396	50.00	ug/l	100
30) 1,2-Dichloroethane	2.989	62	182366	50.00	ug/l	99
31) Trichloroethene	3.183	130	126790	50.00	ug/l	98
32) 1,2-dichloropropane	3.455	63	128472	50.00	ug/l	99
33) Dibromomethane	3.402	93	64581	50.00	ug/l	95
34) Bromodichloromethane	3.486	83	178028	50.00	ug/l	98
35) cis-1,3-Dichloropropene	3.831	75	195297	50.00	ug/l	99
36) 4-Methyl-2-Pentanone	4.182	43	135380	50.00	ug/l	98
38) Toluene	3.967	92	331926	50.00	ug/l	100
39) trans-1,3-Dichloropropene	4.203	75	184999	50.00	ug/l	100
40) 1,1,2-Trichloroethane	4.302	97	88096	50.00	ug/l	97
41) 1,2-Dibromoethane	4.558	107	90251	50.00	ug/l	96
43) Tetrachloroethene	4.197	164	95646	50.00	ug/l	100

Data Path : H:\V2014\CHEM03\02FEB\021214\
 Data File : 0212L07.D
 Acq On : 12 Feb 2014 10:24 am
 Operator :
 Sample : 8260-50 ppb
 Misc : ICAL 50
 ALS Vial : 1 Sample Multiplier: 1

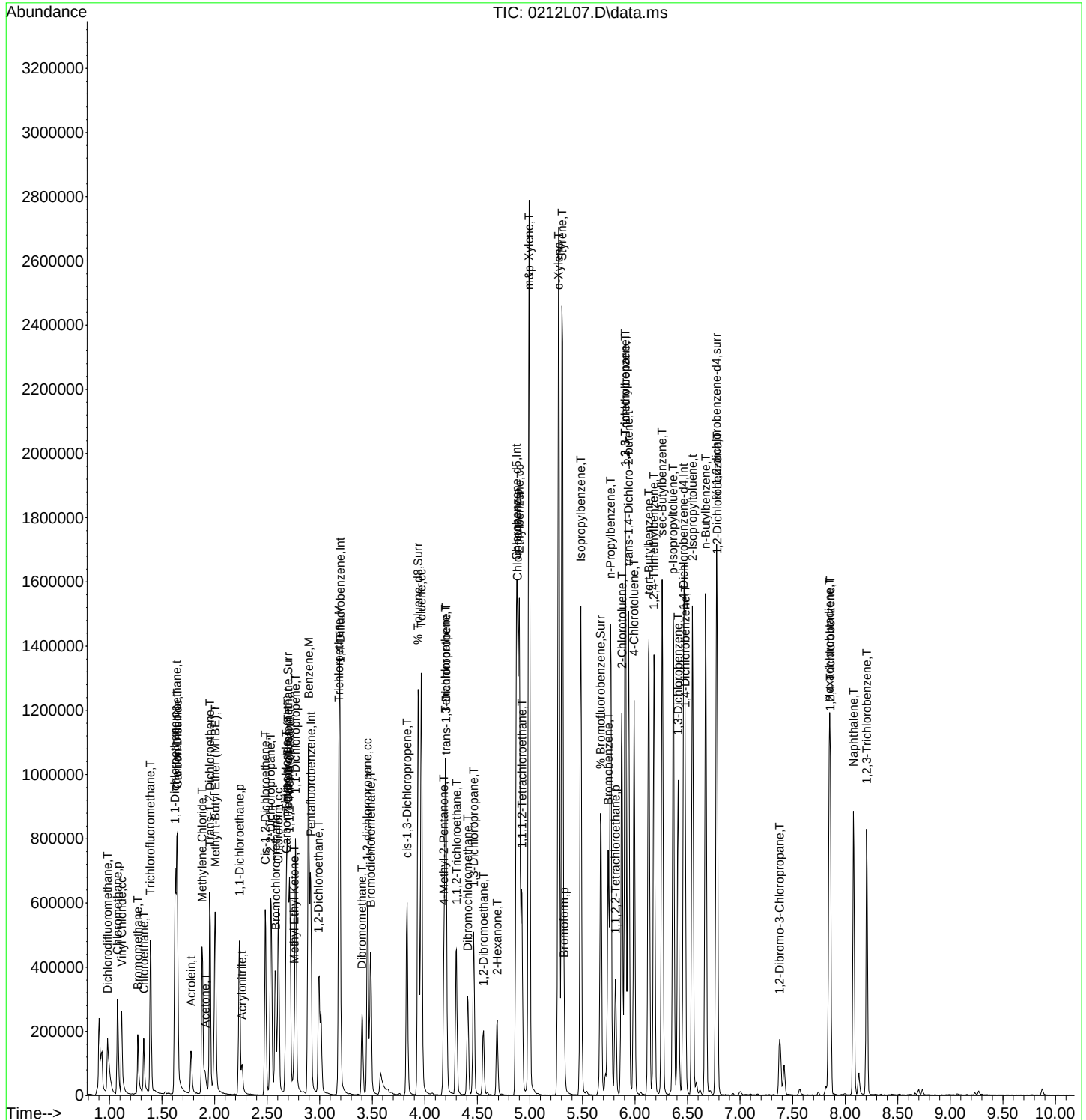
Quant Time: Feb 12 10:58:26 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Feb 12 10:58:01 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 1,3-Dichloropropane	4.464	76	172671	50.00	ug/l	99
45) 2-Hexanone	4.689	43	105159	50.00	ug/l	98
46) Dibromochloromethane	4.407	129	102723	50.00	ug/l	100
47) Chlorobenzene	4.883	112	323544	50.00	ug/l	99
48) 1,1,1,2-Tetrachloroethane	4.924	131	113450	50.00	ug/l	98
49) Ethylbenzene	4.898	106	196840	50.00	ug/l	98
50) m&p-Xylene	4.992	106	467015	100.00	ug/l	99
51) o-Xylene	5.275	106	465654	100.00	ug/l	96
52) Styrene	5.306	104	780021	100.00	ug/l	96
53) Bromoform	5.327	173	60343	50.00	ug/l	99
57) Isopropylbenzene	5.484	120	160732	50.00	ug/l	98
58) 1,1,2,2-Tetrachloroethane	5.814	83	117685	50.00	ug/l	98
59) Bromobenzene	5.746	156	117739	50.00	ug/l	98
60) 1,2,3-Trichloropropane	5.908	75	105643	50.00	ug/l	98
61) n-Propylbenzene	5.766	120	158422	50.00	ug/l	97
62) 2-Chlorotoluene	5.876	126	135955	50.00	ug/l	97
63) 1,3,5-Trimethylbenzene	5.908	105	564894	50.00	ug/l	98
64) trans-1,4-Dichloro-2-b...	5.939	75	224306	250.00	ug/l	99
65) 4-Chlorotoluene	5.991	126	135905	50.00	ug/l	100
66) tert-Butylbenzene	6.133	119	463729	50.00	ug/l	99
67) 1,2,4-Trimethylbenzene	6.180	105	540442	50.00	ug/l	99
68) sec-Butylbenzene	6.258	105	770312	50.00	ug/l	100
69) 1,3-Dichlorobenzene	6.410	146	245799	50.00	ug/l	99
70) p-Isopropyltoluene	6.363	119	592808	50.00	ug/l	99
71) 1,4-Dichlorobenzene	6.478	146	242190	50.00	ug/l	99
72) 2-Isopropyltoluene	6.546	119	569806	50.00	ug/l	99
73) n-Butylbenzene	6.671	91	601366	50.00	ug/l	99
74) 1,2-Dichlorobenzene	6.781	146	223025	50.00	ug/l	98
75) 1,2-Dibromo-3-Chloropr...	7.377	155	19056	50.00	ug/l	98
76) 1,2,4-Trichlorobenzene	7.859	180	153711	50.00	ug/l	99
77) Hexachlorobutadiene	7.848	225	92913	50.00	ug/l	99
78) Naphthalene	8.078	128	410529	50.00	ug/l	99
79) 1,2,3-Trichlorobenzene	8.204	180	145693	50.00	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : H:\V2014\CHEM03\02FEB\021214\
Data File : 0212L07.D
Acq On : 12 Feb 2014 10:24 am
Operator :
Sample : 8260-50 ppb
Misc : ICAL 50
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 12 10:58:26 2014
Quant Method : H:\V2014\CHEM03\Methods\RCPs_0212#1.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Feb 12 10:58:01 2014
Response via : Initial Calibration



Data Path : H:\V2014\CHEM03\02FEB\021214\
 Data File : 0212L08.D
 Acq On : 12 Feb 2014 10:45 am
 Operator :
 Sample : 8260-100 ppb
 Misc : ICAL 100
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 12 10:58:30 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Feb 12 10:58:01 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	2.916	168	233035	50.00	ug/l	0.00
25) 1,4-Difluorobenzene	3.193	114	431482	50.00	ug/l	0.00
42) Chlorobenzene-d5	4.872	117	404200	50.00	ug/l	0.00
55) 1,4-Dichlorobenzene-d4	6.467	152	202738	50.00	ug/l	0.00
System Monitoring Compounds						
23) % Dibromofluoromethane	2.696	192	19933	48.20	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	96.40%		
37) % Toluene-d8	3.936	98	518831	49.58	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	99.16%		
54) % Bromofluorobenzene	5.672	95	225484	50.81	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	101.62%		
56) % 1,2-dichlorobenzene-d4	6.776	152	184069	50.99	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	101.98%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.981	85	296834	96.12	ug/l	100
3) Chloromethane	1.075	50	367727	96.56	ug/l	100
4) Vinyl Chloride	1.117	62	301985	97.07	ug/l	100
5) Bromomethane	1.269	94	139183	102.18	ug/l	99
6) Chloroethane	1.326	64	167426	93.78	ug/l	98
7) Trichlorofluoromethane	1.389	101	388505	91.54	ug/l	# 100
8) 1,1-Dichloroethene	1.624	96	216530	96.82	ug/l	92
9) Trichlorotrifluoroethane	1.635	151	152769	95.56	ug/l	98
10) Acrolein	1.776	56	138759	499.67	ug/l	97
11) Acetone	1.907	43	89719	90.32	ug/l	98
12) Carbon Disulfide	1.645	76	824015	98.41	ug/l	100
13) Methylene Chloride	1.880	84	212361	94.01	ug/l	93
14) Trans-1,2-Dichloroethene	1.954	96	237436	97.01	ug/l	95
15) 1,1-Dichloroethane	2.236	63	529021	96.50	ug/l	99
16) Acrylonitrile	2.262	53	86175	100.33	ug/l	98
17) Cis-1,2-Dichloroethene	2.482	96	256785	97.67	ug/l	98
18) 2,2-Dichloropropane	2.534	77	485339	98.48	ug/l	98
19) Tetrahydrofuran (THF)	2.696	42	198867	255.85	ug/l	99
20) Methyl Ethyl Ketone	2.754	43	161937	102.19	ug/l	96
21) Bromochloromethane	2.581	128	105527	98.67	ug/l	94
22) Chloroform	2.607	83	488178	97.68	ug/l	98
24) 1,1,1-Trichloroethane	2.712	97	499818	97.33	ug/l	99
26) Methyl t-Butyl Ether (...)	2.006	73	638696	101.26	ug/l	97
27) 1,1-Dichloropropene	2.770	110	133374	97.90	ug/l	99
28) Carbon Tetrachloride	2.681	117	415936	99.82	ug/l	100
29) Benzene	2.895	78	1039541	99.29	ug/l	100
30) 1,2-Dichloroethane	2.989	62	370051	99.51	ug/l	99
31) Trichloroethene	3.183	130	254019	98.25	ug/l	97
32) 1,2-dichloropropane	3.455	63	263525	100.59	ug/l	99
33) Dibromomethane	3.402	93	133016	101.00	ug/l	96
34) Bromodichloromethane	3.486	83	365027	100.55	ug/l	99
35) cis-1,3-Dichloropropene	3.831	75	400820	100.64	ug/l	99
36) 4-Methyl-2-Pentanone	4.182	43	288114	104.36	ug/l	99
38) Toluene	3.967	92	668313	98.73	ug/l	99
39) trans-1,3-Dichloropropene	4.203	75	380179	100.77	ug/l	99
40) 1,1,2-Trichloroethane	4.302	97	183665	102.24	ug/l	95
41) 1,2-Dibromoethane	4.558	107	188869	102.62	ug/l	100
43) Tetrachloroethene	4.197	164	188948	96.08	ug/l	99

Data Path : H:\V2014\CHEM03\02FEB\021214\
 Data File : 0212L08.D
 Acq On : 12 Feb 2014 10:45 am
 Operator :
 Sample : 8260-100 ppb
 Misc : ICAL 100
 ALS Vial : 1 Sample Multiplier: 1

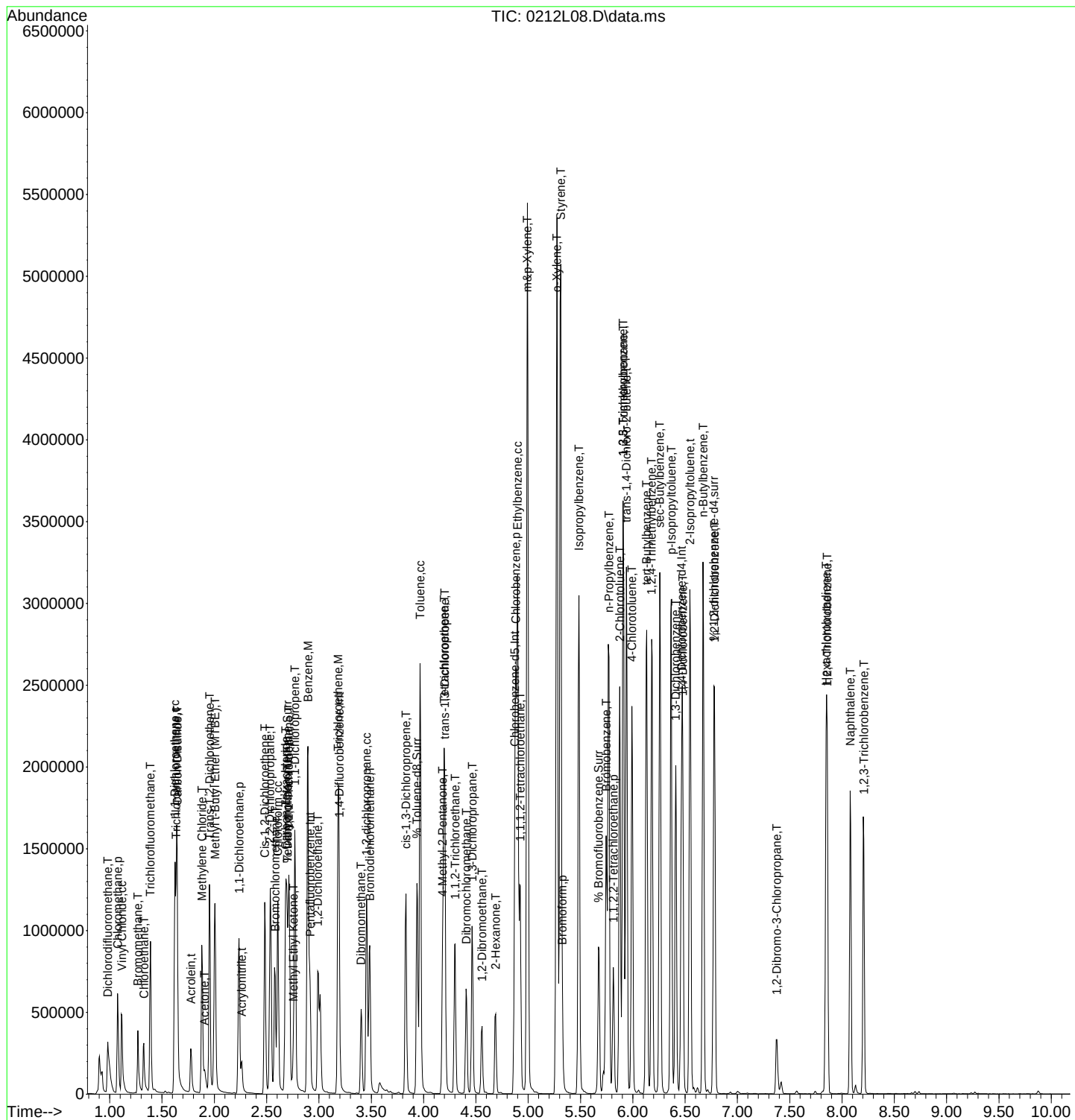
Quant Time: Feb 12 10:58:30 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Feb 12 10:58:01 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 1,3-Dichloropropane	4.464	76	351970	99.13	ug/l	100
45) 2-Hexanone	4.689	43	223909	103.55	ug/l	96
46) Dibromochloromethane	4.407	129	213731	101.19	ug/l	100
47) Chlorobenzene	4.883	112	653572	98.24	ug/l	99
48) 1,1,1,2-Tetrachloroethane	4.924	131	236715	101.48	ug/l	99
49) Ethylbenzene	4.898	106	396987	98.09	ug/l	98
50) m&p-Xylene	4.992	106	935747	194.89	ug/l	99
51) o-Xylene	5.275	106	929884	194.24	ug/l	98
52) Styrene	5.311	104	1574634	196.36	ug/l	98
53) Bromoform	5.327	173	128993	103.96	ug/l	100
57) Isopropylbenzene	5.484	120	326510	96.99	ug/l	99
58) 1,1,2,2-Tetrachloroethane	5.814	83	245475	99.59	ug/l	98
59) Bromobenzene	5.746	156	246143	99.81	ug/l	96
60) 1,2,3-Trichloropropane	5.908	75	220037	99.44	ug/l	99
61) n-Propylbenzene	5.772	120	320417	96.57	ug/l	97
62) 2-Chlorotoluene	5.876	126	280002	98.33	ug/l	97
63) 1,3,5-Trimethylbenzene	5.908	105	1163161	98.31	ug/l	98
64) trans-1,4-Dichloro-2-b...	5.939	75	489282	520.72	ug/l	97
65) 4-Chlorotoluene	5.991	126	278718	97.92	ug/l	100
66) tert-Butylbenzene	6.133	119	958302	98.66	ug/l	98
67) 1,2,4-Trimethylbenzene	6.180	105	1116884	98.67	ug/l	100
68) sec-Butylbenzene	6.258	105	1570739	97.35	ug/l	100
69) 1,3-Dichlorobenzene	6.410	146	515374	100.11	ug/l	99
70) p-Isopropyltoluene	6.368	119	1219715	98.23	ug/l	99
71) 1,4-Dichlorobenzene	6.478	146	506911	99.93	ug/l	99
72) 2-Isopropyltoluene	6.546	119	1182412	99.07	ug/l	99
73) n-Butylbenzene	6.671	91	1249162	99.17	ug/l	100
74) 1,2-Dichlorobenzene	6.781	146	471055	100.84	ug/l	98
75) 1,2-Dibromo-3-Chloropr...	7.377	155	42946	107.60	ug/l	97
76) 1,2,4-Trichlorobenzene	7.859	180	328372	102.00	ug/l	99
77) Hexachlorobutadiene	7.848	225	193982	99.68	ug/l	99
78) Naphthalene	8.078	128	880904	102.45	ug/l	99
79) 1,2,3-Trichlorobenzene	8.209	180	309939	101.57	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : H:\V2014\CHEM03\02FEB\021214\
 Data File : 0212L08.D
 Acq On : 12 Feb 2014 10:45 am
 Operator :
 Sample : 8260-100 ppb
 Misc : ICAL 100
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 12 10:58:30 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Feb 12 10:58:01 2014
 Response via : Initial Calibration



Data Path : H:\V2014\CHEM03\02FEB\021214\
 Data File : 0212L11.D
 Acq On : 12 Feb 2014 11:49 am
 Operator :
 Sample : 8260-150PPB
 Misc : ICAL 150
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 12 12:05:43 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Feb 12 11:23:31 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	2.916	168	238962	50.00	ug/l	0.00
25) 1,4-Difluorobenzene	3.193	114	437742	50.00	ug/l	0.00
42) Chlorobenzene-d5	4.872	117	414536	50.00	ug/l	0.00
55) 1,4-Dichlorobenzene-d4	6.467	152	212635	50.00	ug/l	0.00
System Monitoring Compounds						
23) % Dibromofluoromethane	2.696	192	20559	49.29	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	98.58%		
37) % Toluene-d8	3.936	98	535396	50.43	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	100.86%		
54) % Bromofluorobenzene	5.678	95	231079	51.02	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	102.04%		
56) % 1,2-dichlorobenzene-d4	6.776	152	189641	49.14	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	98.28%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.981	85	427717	149.17	ug/l	100
3) Chloromethane	1.075	50	534292	148.28	ug/l	99
4) Vinyl Chloride	1.112	62	437903	151.46	ug/l	99
5) Bromomethane	1.269	94	201796	151.28	ug/l	99
6) Chloroethane	1.321	64	236039	140.57	ug/l	96
7) Trichlorofluoromethane	1.389	101	526879	132.64	ug/l	# 100
8) 1,1-Dichloroethene	1.624	96	307974	148.46	ug/l	93
9) Trichlorotrifluoroethane	1.635	151	219672	148.98	ug/l	98
10) Acrolein	1.776	56	209608	782.62	ug/l	98
11) Acetone	1.912	43	129265	126.01	ug/l	98
12) Carbon Disulfide	1.645	76	1192572	154.12	ug/l	100
13) Methylene Chloride	1.881	84	306691	138.40	ug/l	92
14) Trans-1,2-Dichloroethene	1.954	96	340058	148.15	ug/l	95
15) 1,1-Dichloroethane	2.236	63	763880	150.51	ug/l	99
16) Acrylonitrile	2.262	53	125556	157.17	ug/l	97
17) Cis-1,2-Dichloroethene	2.482	96	376918	153.16	ug/l	97
18) 2,2-Dichloropropane	2.534	77	700820	154.47	ug/l	98
19) Tetrahydrofuran (THF)	2.696	42	281493	382.12	ug/l	98
20) Methyl Ethyl Ketone	2.759	43	228755	144.73	ug/l	97
21) Bromochloromethane	2.581	128	154711	156.22	ug/l	94
22) Chloroform	2.608	83	699400	149.20	ug/l	99
24) 1,1,1-Trichloroethane	2.712	97	702503	148.49	ug/l	99
26) Methyl t-Butyl Ether (...)	2.006	73	918468	153.43	ug/l	97
27) 1,1-Dichloropropene	2.775	110	193991	155.32	ug/l	99
28) Carbon Tetrachloride	2.681	117	591826	155.09	ug/l	99
29) Benzene	2.895	78	1501026	153.89	ug/l	100
30) 1,2-Dichloroethane	2.989	62	534815	151.57	ug/l	99
31) Trichloroethene	3.183	130	369038	155.56	ug/l	94
32) 1,2-dichloropropane	3.455	63	381682	156.86	ug/l	99
33) Dibromomethane	3.403	93	195555	159.78	ug/l	96
34) Bromodichloromethane	3.486	83	526472	156.48	ug/l	99
35) cis-1,3-Dichloropropene	3.831	75	598018	166.19	ug/l	100
36) 4-Methyl-2-Pentanone	4.182	43	417711	163.17	ug/l	98
38) Toluene	3.967	92	972617	153.32	ug/l	99
39) trans-1,3-Dichloropropene	4.203	75	565957	167.01	ug/l	100
40) 1,1,2-Trichloroethane	4.302	97	268580	158.98	ug/l	95
41) 1,2-Dibromoethane	4.558	107	277226	161.98	ug/l	97
43) Tetrachloroethene	4.198	164	277628	152.98	ug/l	99

Data Path : H:\V2014\CHEM03\02FEB\021214\
 Data File : 0212L11.D
 Acq On : 12 Feb 2014 11:49 am
 Operator :
 Sample : 8260-150PPB
 Misc : ICAL 150
 ALS Vial : 1 Sample Multiplier: 1

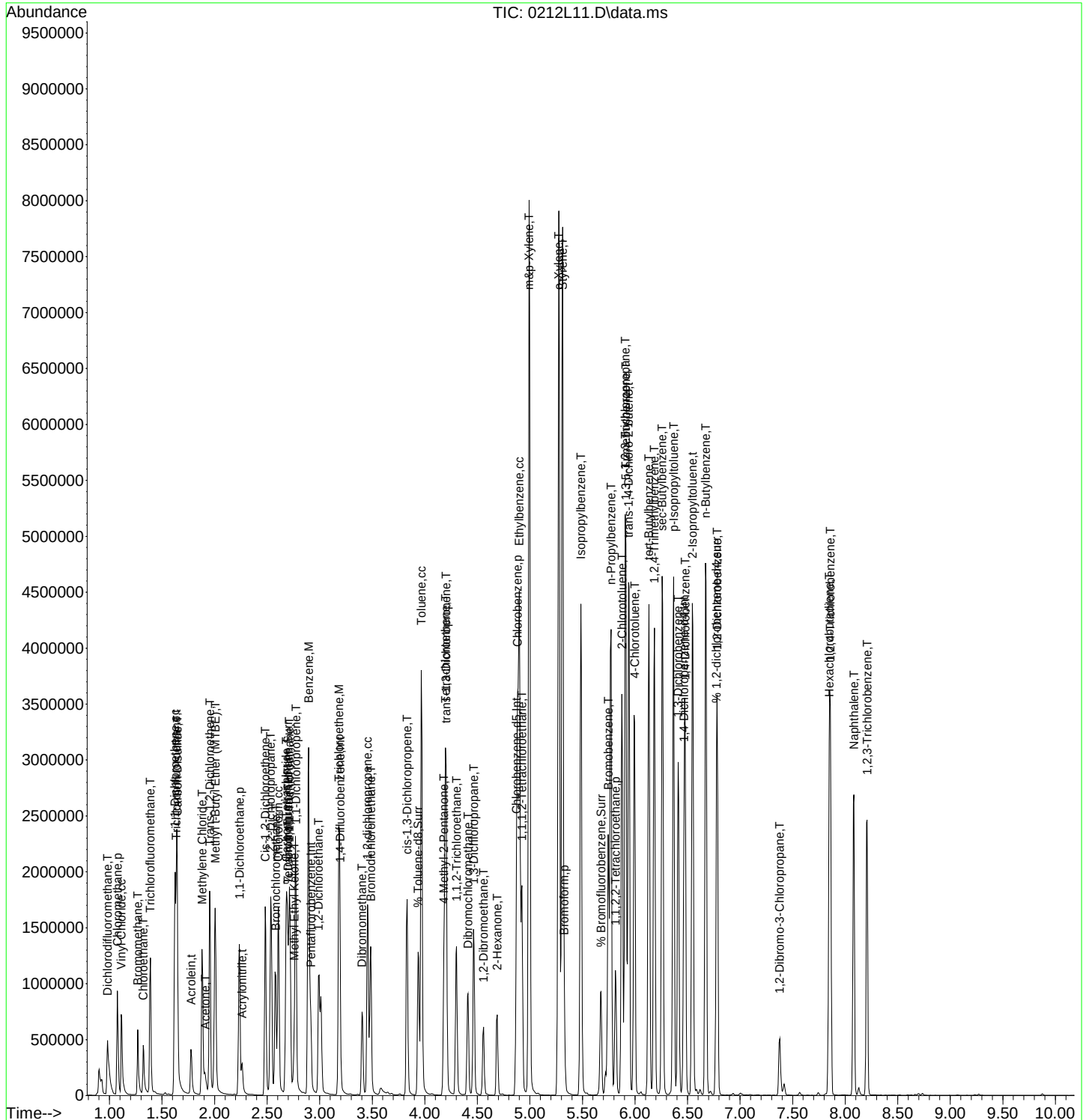
Quant Time: Feb 12 12:05:43 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Feb 12 11:23:31 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 1,3-Dichloropropane	4.464	76	515451	154.97	ug/l	100
45) 2-Hexanone	4.689	43	328519	151.74	ug/l	97
46) Dibromochloromethane	4.412	129	316790	161.83	ug/l	99
47) Chlorobenzene	4.883	112	961626	152.95	ug/l	100
48) 1,1,1,2-Tetrachloroethane	4.925	131	346735	158.66	ug/l	99
49) Ethylbenzene	4.898	106	570279	151.28	ug/l	100
50) m&p-Xylene	4.993	106	1375780	306.53	ug/l	99
51) o-Xylene	5.275	106	1364286	310.09	ug/l	99
52) Styrene	5.312	104	2328747	312.79	ug/l	98
53) Bromoform	5.327	173	191702	169.30	ug/l	100
57) Isopropylbenzene	5.484	120	480555	149.43	ug/l	98
58) 1,1,2,2-Tetrachloroethane	5.814	83	367157	155.97	ug/l	99
59) Bromobenzene	5.746	156	368034	152.06	ug/l	96
60) 1,2,3-Trichloropropane	5.908	75	317494	146.78	ug/l	94
61) n-Propylbenzene	5.772	120	472784	148.76	ug/l	99
62) 2-Chlorotoluene	5.876	126	412853	150.26	ug/l	97
63) 1,3,5-Trimethylbenzene	5.913	105	1723687	150.57	ug/l	98
64) trans-1,4-Dichloro-2-b...	5.939	75	750150	850.41	ug/l	95
65) 4-Chlorotoluene	5.997	126	416785	150.99	ug/l	100
66) tert-Butylbenzene	6.133	119	1381290	148.57	ug/l	98
67) 1,2,4-Trimethylbenzene	6.185	105	1680130	153.77	ug/l	100
68) sec-Butylbenzene	6.258	105	2317378	151.61	ug/l	100
69) 1,3-Dichlorobenzene	6.410	146	789014	156.06	ug/l	99
70) p-Isopropyltoluene	6.368	119	1805107	153.13	ug/l	99
71) 1,4-Dichlorobenzene	6.478	146	780930	156.62	ug/l	99
72) 2-Isopropyltoluene	6.546	119	1740302	152.29	ug/l	99
73) n-Butylbenzene	6.671	91	1884794	156.41	ug/l	100
74) 1,2-Dichlorobenzene	6.781	146	707442	152.55	ug/l	98
75) 1,2-Dibromo-3-Chloropr...	7.378	155	65042	170.91	ug/l	94
76) 1,2,4-Trichlorobenzene	7.859	180	514224	160.74	ug/l	98
77) Hexachlorobutadiene	7.848	225	279456	151.54	ug/l	100
78) Naphthalene	8.084	128	1305025	157.39	ug/l	99
79) 1,2,3-Trichlorobenzene	8.209	180	464361	154.50	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : H:\V2014\CHEM03\02FEB\021214\
 Data File : 0212L11.D
 Acq On : 12 Feb 2014 11:49 am
 Operator :
 Sample : 8260-150PPB
 Misc : ICAL 150
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 12 12:05:43 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Feb 12 11:23:31 2014
 Response via : Initial Calibration



7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBG09442

Instrument: CHEM03 Calibration Date: 02/14/14 Time: 19:33

Lab File Id: 0214L37.D Init. Calib. Date(s): 02/12/14 02/12/14

Heated Purge (Y/N): Y Init. Calib. Times: 09:20 11:49

GC Column: rtx-vms

COMPOUND	RRF	RRF50	RRF MIN	%D	MAX %D
Dichlorodifluoromethane	0.633	0.522	0.010	17.5	40
Chloromethane	0.790	0.725	0.100	8.2	40
Vinyl Chloride	0.636	0.560	0.100	12.0	25
Bromomethane	0.293	0.257	0.100	12.2	25
Chloroethane	0.366	0.340	0.010	7.4	40
Trichlorofluoromethane	0.865	0.785	0.010	9.2	40
1,1-Dichloroethene	0.455	0.431	0.100	5.4	25
Trichlorotrifluoroethane	0.325	0.314	0.010	3.6	40
Acetone	0.227	0.199	0.010	12.1	40
Carbon Disulfide	1.705	1.553	0.010	8.9	40
Methylene Chloride	0.485	0.436	0.010	10.0	40
Trans-1,2-Dichloroethene	0.504	0.470	0.010	6.7	40
Acrylonitrile	0.177	0.190	0.010	-7.1	40
1,1-Dichloroethane	1.115	1.111	0.200	0.3	25
Cis-1,2-Dichloroethene	0.541	0.550	0.010	-1.7	40
2,2-Dichloropropane	0.998	1.011	0.010	-1.3	40
Tetrahydrofuran (THF)	0.163	0.171	0.010	-5.1	40
Methyl Ethyl Ketone	0.349	0.356	0.010	-2.1	40
Bromochloromethane	0.218	0.223	0.050	-2.2	25
Chloroform	1.028	1.021	0.200	0.7	25
1,1,1-Trichloroethane	1.037	1.027	0.100	0.9	25
Methyl t-Butyl Ether (MTBE)	0.719	0.739	0.010	-2.8	40
1,1-Dichloropropene	0.150	0.160	0.010	-6.8	40
Carbon Tetrachloride	0.458	0.451	0.100	1.5	25
Benzene	1.172	1.217	0.400	-3.9	25
1,2-Dichloroethane	0.424	0.428	0.100	-0.9	25
Trichloroethene	0.285	0.306	0.300	-7.2	25
1,2-dichloropropane	0.293	0.301	0.010	-2.9	40
Dibromomethane	0.148	0.154	0.010	-4.3	40
Bromodichloromethane	0.405	0.409	0.200	-1.1	25
cis-1,3-Dichloropropene	0.435	0.453	0.200	-4.1	25
4-Methyl-2-Pentanone	0.311	0.335	0.010	-7.9	40
Toluene	0.762	0.796	0.400	-4.4	25
trans-1,3-Dichloropropene	0.411	0.424	0.100	-3.3	25
1,1,2-Trichloroethane	0.204	0.215	0.100	-5.3	25
1,2-Dibromoethane	0.207	0.219	0.010	-5.8	40

* Minimum RRF not met for this compound.

7B
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBG09442

Instrument: CHEM03 Calibration Date: 02/14/14 Time: 19:33

Lab File Id: 0214L37.D Init. Calib. Date(s): 02/12/14 02/12/14

Heated Purge (Y/N): Y Init. Calib. Times: 09:20 11:49

GC Column: rtx-vms

COMPOUND	RRF	RRF50	RRF MIN	%D	MAX %D
Tetrachloroethene	0.231	0.237	0.100	-2.6	25
1,3-Dichloropropane	0.422	0.417	0.010	1.0	40
2-Hexanone	0.276	0.275	0.010	0.4	40
Dibromochloromethane	0.249	0.248	0.100	0.6	25
Chlorobenzene	0.798	0.796	0.500	0.2	25
1,1,1,2-Tetrachloroethane	0.278	0.277	0.010	0.2	40
Ethylbenzene	0.477	0.479	0.100	-0.4	25
m&p-Xylene	0.570	0.588	0.300	-3.2	25
o-Xylene	0.558	0.578	0.300	-3.5	25
Styrene	0.947	0.963	0.300	-1.8	25
Bromoform	0.145	0.145	0.050	-0.3	25
Isopropylbenzene	0.794	0.795	0.010	-0.1	40
1,1,2,2-Tetrachloroethane	0.585	0.576	0.300	1.5	25
Bromobenzene	0.598	0.592	0.010	1.1	40
1,2,3-Trichloropropane	0.534	0.526	0.010	1.5	40
n-Propylbenzene	0.785	0.772	0.010	1.7	40
2-Chlorotoluene	0.679	0.663	0.010	2.4	40
1,3,5-Trimethylbenzene	2.832	2.782	0.010	1.8	40
trans-1,4-Dichloro-2-butene	0.221	0.226	0.010	-2.2	40
4-Chlorotoluene	0.683	0.668	0.010	2.2	40
tert-Butylbenzene	2.292	2.297	0.010	-0.2	40
1,2,4-Trimethylbenzene	2.711	2.682	0.010	1.1	40
sec-Butylbenzene	3.785	3.775	0.010	0.3	40
1,3-Dichlorobenzene	1.256	1.231	0.600	2.0	25
p-Isopropyltoluene	2.924	2.916	0.010	0.3	40
1,4-Dichlorobenzene	1.240	1.220	0.500	1.6	25
2-Isopropyltoluene	2.824	2.839	0.010	-0.6	40
n-Butylbenzene	3.002	2.982	0.010	0.7	40
1,2-Dichlorobenzene	1.150	1.112	0.400	3.3	25
1,2-Dibromo-3-Chloropropane	0.095	0.093	0.010	2.6	40
1,2,4-Trichlorobenzene	0.800	0.786	0.200	1.8	25
Hexachlorobutadiene	0.457	0.456	0.010	0.0	40
Naphthalene	2.058	2.115	0.010	-2.8	40
1,2,3-Trichlorobenzene	0.746	0.746	0.200	0.0	25
% 1,2-dichlorobenzene-d4	0.904	0.902	0.010	0.2	25
% Bromofluorobenzene	0.547	0.553	0.010	-1.0	25

* Minimum RRF not met for this compound.

7B

Lab Name:	Phoenix Environmental Labs		Client:	EBC	
Lab Code:	Phoenix	Case No.:		SAS No.:	SDG No.: GBG09442
Instrument:	CHEM03	Calibration Date:	02/14/14	Time:	19:33
Lab File Id:	0214L37.D	Init. Calib. Date(s):	02/12/14		02/12/14
Heated Purge (Y/N):	Y	Init. Calib. Times:	09:20		11:49
GC Column:	rtx-vms				

[illegible]

* Minimum RRF not met for this compound.

Data Path : H:\V2014\CHEM03\02FEB\021414\
 Data File : 0214L37.D
 Acq On : 14 Feb 2014 7:33 pm
 Operator :
 Sample : 8260-50 PPB STD.
 Misc : CCAL 50
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 17 08:00:22 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Feb 17 07:58:40 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	2.932	168	209960	50.00	ug/l	0.00
25) 1,4-Difluorobenzene	3.214	114	383948	50.00	ug/l	0.00
42) Chlorobenzene-d5	4.893	117	371912	50.00	ug/l	0.00
55) 1,4-Dichlorobenzene-d4	6.488	152	188182	50.00	ug/l	0.00
System Monitoring Compounds						
23) % Dibromofluoromethane	2.717	192	18014	49.31	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	98.62%		
37) % Toluene-d8	3.957	98	466991	50.15	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	100.30%		
54) % Bromofluorobenzene	5.693	95	205587	50.52	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	101.04%		
56) % 1,2-dichlorobenzene-d4	6.797	152	169715	49.89	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	99.78%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.991	85	109688	41.26	ug/l	99
3) Chloromethane	1.085	50	152266	45.91	ug/l	99
4) Vinyl Chloride	1.127	62	117588	44.00	ug/l	99
5) Bromomethane	1.279	94	54015	43.90	ug/l	98
6) Chloroethane	1.336	64	71280	46.32	ug/l	99
7) Trichlorofluoromethane	1.404	101	164823	45.40	ug/l	# 100
8) 1,1-Dichloroethene	1.640	96	90444	47.31	ug/l	91
9) Trichlorotrifluoroethane	1.650	151	65854	48.21	ug/l	95
10) Acrolein	1.791	56	58820	235.30	ug/l	100
11) Acetone	1.927	43	41798	43.93	ug/l	100
12) Carbon Disulfide	1.661	76	325969	45.54	ug/l	100
13) Methylene Chloride	1.896	84	91616	44.99	ug/l	93
14) Trans-1,2-Dichloroethene	1.969	96	98758	46.67	ug/l	95
15) 1,1-Dichloroethane	2.252	63	233254	49.83	ug/l	99
16) Acrylonitrile	2.278	53	39777	53.53	ug/l	96
17) Cis-1,2-Dichloroethene	2.503	96	115549	50.86	ug/l	97
18) 2,2-Dichloropropane	2.555	77	212346	50.66	ug/l	98
19) Tetrahydrofuran (THF)	2.712	42	89909	131.38	ug/l	97
20) Methyl Ethyl Ketone	2.775	43	74805	51.03	ug/l	99
21) Bromochloromethane	2.597	128	46848	51.08	ug/l	95
22) Chloroform	2.623	83	214430	49.67	ug/l	99
24) 1,1,1-Trichloroethane	2.733	97	215680	49.53	ug/l	99
26) Methyl t-Butyl Ether (...)	2.022	73	283810	51.40	ug/l	99
27) 1,1-Dichloropropene	2.790	110	61600	53.43	ug/l	95
28) Carbon Tetrachloride	2.701	117	173171	49.24	ug/l	98
29) Benzene	2.911	78	467144	51.93	ug/l	100
30) 1,2-Dichloroethane	3.010	62	164139	50.45	ug/l	99
31) Trichloroethene	3.204	130	117389	53.63	ug/l	96
32) 1,2-dichloropropane	3.476	63	115540	51.43	ug/l	98
33) Dibromomethane	3.423	93	59128	52.13	ug/l	95
34) Bromodichloromethane	3.507	83	157067	50.56	ug/l	98
35) cis-1,3-Dichloropropene	3.852	75	173964	52.06	ug/l	98
36) 4-Methyl-2-Pentanone	4.203	43	128782	53.96	ug/l	98
38) Toluene	3.988	92	305730	52.22	ug/l	100
39) trans-1,3-Dichloropropene	4.223	75	162790	51.63	ug/l	99
40) 1,1,2-Trichloroethane	4.323	97	82366	52.64	ug/l	94
41) 1,2-Dibromoethane	4.579	107	83993	52.91	ug/l	99
43) Tetrachloroethene	4.213	164	87941	51.28	ug/l	99

Data Path : H:\V2014\CHEM03\02FEB\021414\
 Data File : 0214L37.D
 Acq On : 14 Feb 2014 7:33 pm
 Operator :
 Sample : 8260-50 PPB STD.
 Misc : CCAL 50
 ALS Vial : 3 Sample Multiplier: 1

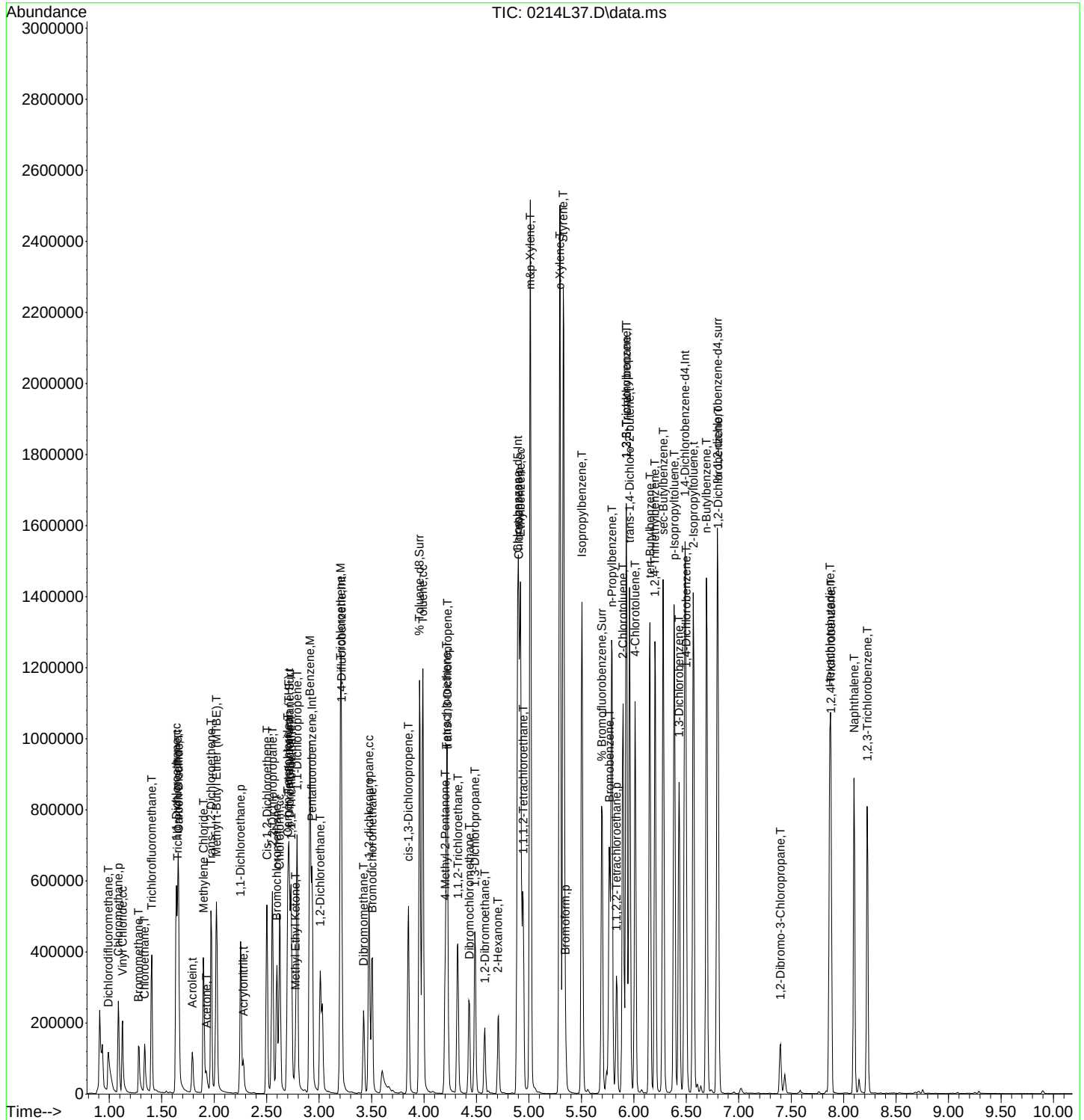
Quant Time: Feb 17 08:00:22 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Feb 17 07:58:40 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 1,3-Dichloropropane	4.485	76	155240	49.49	ug/l	100
45) 2-Hexanone	4.705	43	102354	49.81	ug/l	100
46) Dibromochloromethane	4.433	129	92098	49.69	ug/l	99
47) Chlorobenzene	4.903	112	296052	49.88	ug/l	100
48) 1,1,1,2-Tetrachloroethane	4.945	131	103112	49.93	ug/l	99
49) Ethylbenzene	4.919	106	178224	50.19	ug/l	99
50) m&p-Xylene	5.013	106	437185	103.16	ug/l	97
51) o-Xylene	5.296	106	429810	103.49	ug/l	95
52) Styrene	5.327	104	716442	101.76	ug/l	96
53) Bromoform	5.348	173	53987	50.13	ug/l	100
57) Isopropylbenzene	5.505	120	149522	50.06	ug/l	96
58) 1,1,2,2-Tetrachloroethane	5.834	83	108378	49.23	ug/l	97
59) Bromobenzene	5.766	156	111349	49.46	ug/l	94
60) 1,2,3-Trichloropropane	5.928	75	98944	49.23	ug/l	99
61) n-Propylbenzene	5.793	120	145268	49.14	ug/l	98
62) 2-Chlorotoluene	5.897	126	124778	48.81	ug/l	98
63) 1,3,5-Trimethylbenzene	5.928	105	523488	49.12	ug/l	97
64) trans-1,4-Dichloro-2-b...	5.960	75	212369	255.52	ug/l	98
65) 4-Chlorotoluene	6.012	126	125723	48.88	ug/l	100
66) tert-Butylbenzene	6.153	119	432165	50.10	ug/l	97
67) 1,2,4-Trimethylbenzene	6.200	105	504619	49.47	ug/l	99
68) sec-Butylbenzene	6.279	105	710390	49.86	ug/l	99
69) 1,3-Dichlorobenzene	6.431	146	231586	48.99	ug/l	99
70) p-Isopropyltoluene	6.384	119	548687	49.85	ug/l	98
71) 1,4-Dichlorobenzene	6.499	146	229612	49.21	ug/l	99
72) 2-Isopropyltoluene	6.567	119	534295	50.28	ug/l	99
73) n-Butylbenzene	6.692	91	561158	49.67	ug/l	99
74) 1,2-Dichlorobenzene	6.802	146	209203	48.35	ug/l	98
75) 1,2-Dibromo-3-Chloropr...	7.398	155	17414	48.70	ug/l	97
76) 1,2,4-Trichlorobenzene	7.879	180	147847	49.09	ug/l	99
77) Hexachlorobutadiene	7.869	225	85893	49.98	ug/l	98
78) Naphthalene	8.099	128	397984	51.39	ug/l	98
79) 1,2,3-Trichlorobenzene	8.225	180	140317	49.99	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : H:\V2014\CHEM03\02FEB\021414\
 Data File : 0214L37.D
 Acq On : 14 Feb 2014 7:33 pm
 Operator :
 Sample : 8260-50 PPB STD.
 Misc : CCAL 50
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 17 08:00:22 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Feb 17 07:58:40 2014
 Response via : Initial Calibration



7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBG09442

Instrument: CHEM03 Calibration Date: 02/15/14 Time: 02:48

Lab File Id: 0214L57.D Init. Calib. Date(s): 02/12/14 02/12/14

Heated Purge (Y/N): Y Init. Calib. Times: 09:20 11:49

GC Column: rtx-vms

COMPOUND	RRF	RRF50	RRF MIN	%D	MAX %D
Dichlorodifluoromethane	0.633	0.547	0.010	13.6	50
Chloromethane	0.790	0.716	0.010	9.4	50
Vinyl Chloride	0.636	0.548	0.010	13.9	50
Bromomethane	0.293	0.279	0.010	4.9	50
Chloroethane	0.366	0.346	0.010	5.6	50
Trichlorofluoromethane	0.865	0.820	0.010	5.2	50
1,1-Dichloroethene	0.455	0.421	0.010	7.5	50
Trichlorotrifluoroethane	0.325	0.312	0.010	4.0	50
Acetone	0.227	0.185	0.010	18.4	50
Carbon Disulfide	1.705	1.557	0.010	8.7	50
Methylene Chloride	0.485	0.420	0.010	13.4	50
Trans-1,2-Dichloroethene	0.504	0.470	0.010	6.8	50
Acrylonitrile	0.177	0.164	0.010	7.4	50
1,1-Dichloroethane	1.115	1.100	0.010	1.3	50
Cis-1,2-Dichloroethene	0.541	0.533	0.010	1.5	50
2,2-Dichloropropane	0.998	1.008	0.010	-1.0	50
Tetrahydrofuran (THF)	0.163	0.151	0.010	7.2	50
Methyl Ethyl Ketone	0.349	0.305	0.010	12.5	50
Bromochloromethane	0.218	0.210	0.010	4.0	50
Chloroform	1.028	1.020	0.010	0.8	50
1,1,1-Trichloroethane	1.037	1.078	0.010	-4.0	50
Methyl t-Butyl Ether (MTBE)	0.719	0.746	0.010	-3.8	50
1,1-Dichloropropene	0.150	0.152	0.010	-1.0	50
Carbon Tetrachloride	0.458	0.493	0.010	-7.7	50
Benzene	1.172	1.177	0.010	-0.5	50
1,2-Dichloroethane	0.424	0.445	0.010	-5.1	50
Trichloroethene	0.285	0.308	0.010	-8.0	50
1,2-dichloropropane	0.293	0.296	0.010	-1.0	50
Dibromomethane	0.148	0.150	0.010	-1.6	50
Bromodichloromethane	0.405	0.416	0.010	-2.8	50
cis-1,3-Dichloropropene	0.435	0.442	0.010	-1.6	50
4-Methyl-2-Pentanone	0.311	0.301	0.010	3.1	50
Toluene	0.762	0.764	0.010	-0.3	50
trans-1,3-Dichloropropene	0.411	0.419	0.010	-2.1	50
1,1,2-Trichloroethane	0.204	0.203	0.010	0.6	50
1,2-Dibromoethane	0.207	0.206	0.010	0.5	50

* Minimum RRF not met for this compound.

7B
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBG09442

Instrument: CHEM03 Calibration Date: 02/15/14 Time: 02:48

Lab File Id: 0214L57.D Init. Calib. Date(s): 02/12/14 02/12/14

Heated Purge (Y/N): Y Init. Calib. Times: 09:20 11:49

GC Column: rtx-vms

COMPOUND	RRF	RRF50	RRF MIN	%D	MAX %D
Tetrachloroethene	0.231	0.224	0.010	2.9	50
1,3-Dichloropropane	0.422	0.405	0.010	4.1	50
2-Hexanone	0.276	0.236	0.010	14.7	50
Dibromochloromethane	0.249	0.247	0.010	1.1	50
Chlorobenzene	0.798	0.762	0.010	4.4	50
1,1,1,2-Tetrachloroethane	0.278	0.279	0.010	-0.6	50
Ethylbenzene	0.477	0.463	0.010	3.0	50
m&p-Xylene	0.570	0.555	0.010	2.6	50
o-Xylene	0.558	0.547	0.010	2.1	50
Styrene	0.947	0.907	0.010	4.2	50
Bromoform	0.145	0.141	0.010	3.0	50
Isopropylbenzene	0.794	0.758	0.010	4.5	50
1,1,2,2-Tetrachloroethane	0.585	0.490	0.010	16.2	50
Bromobenzene	0.598	0.561	0.010	6.3	50
1,2,3-Trichloropropane	0.534	0.479	0.010	10.3	50
n-Propylbenzene	0.785	0.730	0.010	7.1	50
2-Chlorotoluene	0.679	0.632	0.010	6.9	50
1,3,5-Trimethylbenzene	2.832	2.701	0.010	4.6	50
trans-1,4-Dichloro-2-butene	0.221	0.194	0.010	12.1	50
4-Chlorotoluene	0.683	0.628	0.010	8.2	50
tert-Butylbenzene	2.292	2.247	0.010	2.0	50
1,2,4-Trimethylbenzene	2.711	2.564	0.010	5.4	50
sec-Butylbenzene	3.785	3.652	0.010	3.5	50
1,3-Dichlorobenzene	1.256	1.127	0.010	10.3	50
p-Isopropyltoluene	2.924	2.792	0.010	4.5	50
1,4-Dichlorobenzene	1.240	1.106	0.010	10.8	50
2-Isopropyltoluene	2.824	2.745	0.010	2.8	50
n-Butylbenzene	3.002	2.794	0.010	6.9	50
1,2-Dichlorobenzene	1.150	1.037	0.010	9.8	50
1,2-Dibromo-3-Chloropropane	0.095	0.085	0.010	10.3	50
1,2,4-Trichlorobenzene	0.800	0.660	0.010	17.5	50
Hexachlorobutadiene	0.457	0.433	0.010	5.1	50
Naphthalene	2.058	1.864	0.010	9.4	50
1,2,3-Trichlorobenzene	0.746	0.652	0.010	12.5	50
% 1,2-dichlorobenzene-d4	0.904	0.903	0.010	0.1	50
% Bromofluorobenzene	0.547	0.565	0.010	-3.2	50

* Minimum RRF not met for this compound.

7B

Lab Name: Phoenix Environmental Labs

Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBG09442

Instrument: CHEM03 Calibration Date: 02/15/14 Time: 02:48

Lab File Id: 0214L57.D Init. Calib. Date(s): 02/12/14 02/12/14

Heated Purge (Y/N):	Y	Init. Calib. Times:	09:20	11:49

GC Column: rtx-vms

[illegible]

* Minimum RRF not met for this compound.

Data Path : H:\V2014\CHEM03\02FEB\021414\
 Data File : 0214L57.D
 Acq On : 15 Feb 2014 2:48 am
 Operator :
 Sample : 8260-50 PPB STD.
 Misc : CCCAL 50
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 07:59:42 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Feb 17 07:58:40 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	2.932	168	189080	50.00	ug/l	0.00
25) 1,4-Difluorobenzene	3.209	114	344085	50.00	ug/l	0.00
42) Chlorobenzene-d5	4.888	117	336492	50.00	ug/l	0.00
55) 1,4-Dichlorobenzene-d4	6.483	152	170148	50.00	ug/l	0.00
System Monitoring Compounds						
23) % Dibromofluoromethane	2.712	192	15713	47.76	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	95.52%		
37) % Toluene-d8	3.957	98	419281	50.24	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	100.48%		
54) % Bromofluorobenzene	5.693	95	189982	51.60	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	103.20%		
56) % 1,2-dichlorobenzene-d4	6.792	152	153580	49.93	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	99.86%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.986	85	103434	43.20	ug/l	100
3) Chloromethane	1.085	50	135365	45.32	ug/l	100
4) Vinyl Chloride	1.122	62	103603	43.04	ug/l	98
5) Bromomethane	1.279	94	52688	47.55	ug/l	99
6) Chloroethane	1.336	64	65382	47.18	ug/l	95
7) Trichlorofluoromethane	1.399	101	154974	47.40	ug/l	# 100
8) 1,1-Dichloroethene	1.635	96	79614	46.25	ug/l	96
9) Trichlorotrifluoroethane	1.650	151	59009	47.97	ug/l	97
10) Acrolein	1.792	56	42847	190.33	ug/l	98
11) Acetone	1.922	43	34960	40.80	ug/l	100
12) Carbon Disulfide	1.656	76	294331	45.66	ug/l	99
13) Methylene Chloride	1.896	84	79375	43.28	ug/l	91
14) Trans-1,2-Dichloroethene	1.969	96	88823	46.61	ug/l	95
15) 1,1-Dichloroethane	2.252	63	208056	49.35	ug/l	99
16) Acrylonitrile	2.273	53	30993	46.31	ug/l	98
17) Cis-1,2-Dichloroethene	2.498	96	100805	49.27	ug/l	100
18) 2,2-Dichloropropane	2.550	77	190615	50.49	ug/l	99
19) Tetrahydrofuran (THF)	2.712	42	71504	116.02	ug/l	99
20) Methyl Ethyl Ketone	2.770	43	57721	43.73	ug/l	99
21) Bromochloromethane	2.597	128	39643	48.00	ug/l	96
22) Chloroform	2.623	83	192894	49.61	ug/l	95
24) 1,1,1-Trichloroethane	2.728	97	203870	51.99	ug/l	99
26) Methyl t-Butyl Ether (...)	2.016	73	256755	51.88	ug/l	97
27) 1,1-Dichloropropene	2.790	110	52202	50.52	ug/l	98
28) Carbon Tetrachloride	2.696	117	169729	53.86	ug/l	97
29) Benzene	2.911	78	404955	50.23	ug/l	100
30) 1,2-Dichloroethane	3.010	62	153264	52.56	ug/l	99
31) Trichloroethene	3.198	130	105948	54.01	ug/l	100
32) 1,2-dichloropropane	3.476	63	101711	50.52	ug/l	99
33) Dibromomethane	3.418	93	51605	50.77	ug/l	97
34) Bromodichloromethane	3.502	83	143138	51.42	ug/l	98
35) cis-1,3-Dichloropropene	3.847	75	152166	50.81	ug/l	99
36) 4-Methyl-2-Pentanone	4.197	43	103667	48.47	ug/l	98
38) Toluene	3.983	92	263021	50.13	ug/l	99
39) trans-1,3-Dichloropropene	4.224	75	144232	51.05	ug/l	98
40) 1,1,2-Trichloroethane	4.318	97	69671	49.69	ug/l	96
41) 1,2-Dibromoethane	4.574	107	70818	49.78	ug/l	98
43) Tetrachloroethene	4.213	164	75329	48.55	ug/l	99

Data Path : H:\V2014\CHEM03\02FEB\021414\
 Data File : 0214L57.D
 Acq On : 15 Feb 2014 2:48 am
 Operator :
 Sample : 8260-50 PPB STD.
 Misc : CCCAL 50
 ALS Vial : 1 Sample Multiplier: 1

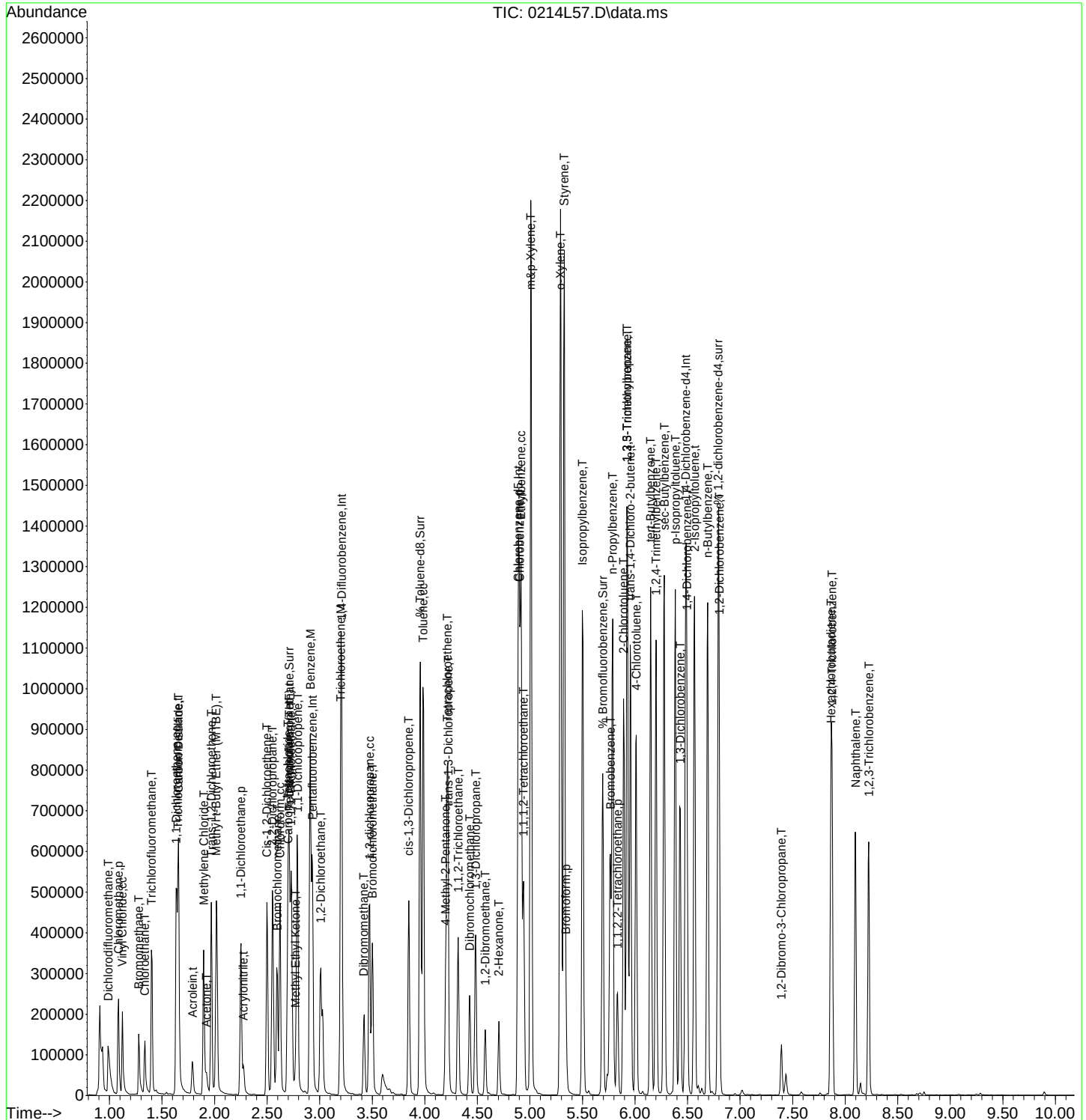
Quant Time: Feb 17 07:59:42 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Feb 17 07:58:40 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 1,3-Dichloropropane	4.485	76	136117	47.96	ug/l	99
45) 2-Hexanone	4.705	43	79295	42.65	ug/l	99
46) Dibromochloromethane	4.428	129	82943	49.46	ug/l	99
47) Chlorobenzene	4.904	112	256547	47.78	ug/l	99
48) 1,1,1,2-Tetrachloroethane	4.940	131	93968	50.30	ug/l	99
49) Ethylbenzene	4.914	106	155817	48.49	ug/l	99
50) m&p-Xylene	5.008	106	373572	97.43	ug/l	99
51) o-Xylene	5.291	106	367826	97.88	ug/l	99
52) Styrene	5.327	104	610333	95.81	ug/l	99
53) Bromoform	5.343	173	47270	48.51	ug/l	100
57) Isopropylbenzene	5.500	120	129014	47.78	ug/l	100
58) 1,1,2,2-Tetrachloroethane	5.834	83	83384	41.89	ug/l	99
59) Bromobenzene	5.766	156	95400	46.87	ug/l	98
60) 1,2,3-Trichloropropane	5.923	75	81493	44.84	ug/l	91
61) n-Propylbenzene	5.787	120	124158	46.45	ug/l	100
62) 2-Chlorotoluene	5.892	126	107533	46.53	ug/l	98
63) 1,3,5-Trimethylbenzene	5.923	105	459543	47.69	ug/l	98
64) trans-1,4-Dichloro-2-b...	5.955	75	165129	219.74	ug/l	98
65) 4-Chlorotoluene	6.012	126	106785	45.92	ug/l	100
66) tert-Butylbenzene	6.148	119	382298	49.02	ug/l	100
67) 1,2,4-Trimethylbenzene	6.201	105	436217	47.29	ug/l	99
68) sec-Butylbenzene	6.279	105	621337	48.24	ug/l	99
69) 1,3-Dichlorobenzene	6.431	146	191765	44.87	ug/l	99
70) p-Isopropyltoluene	6.384	119	475121	47.74	ug/l	99
71) 1,4-Dichlorobenzene	6.494	146	188156	44.60	ug/l	100
72) 2-Isopropyltoluene	6.567	119	467110	48.61	ug/l	99
73) n-Butylbenzene	6.692	91	475317	46.53	ug/l	99
74) 1,2-Dichlorobenzene	6.802	146	176358	45.08	ug/l	99
75) 1,2-Dibromo-3-Chloropr...	7.393	155	14499	44.85	ug/l	99
76) 1,2,4-Trichlorobenzene	7.874	180	112362	41.26	ug/l	98
77) Hexachlorobutadiene	7.864	225	73700	47.43	ug/l	99
78) Naphthalene	8.099	128	317222	45.31	ug/l	100
79) 1,2,3-Trichlorobenzene	8.225	180	110989	43.74	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : H:\V2014\CHEM03\02FEB\021414\
Data File : 0214L57.D
Acq On : 15 Feb 2014 2:48 am
Operator :
Sample : 8260-50 PPB STD.
Misc : CCCAL 50
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 07:59:42 2014
Quant Method : H:\V2014\CHEM03\Methods\RCPs_0212#1.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Feb 17 07:58:40 2014
Response via : Initial Calibration



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

BG09442 LCS

Client: EBC Lab: Phoenix Env. Labs

SDG No.: GBG09442 Lab Sample ID: LCS-50 PPB STD.

Sample wt/vol: 5 (g/mL) g Lab File ID: 0214L38.D

Level: (low/med/meth): Low Date Received: 02/14/14

% Moisture: n.a. Date Analyzed: 02/14/14

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	41		1.3	5.0
74-87-3	Chloromethane	47		2.6	5.0
75-01-4	Vinyl Chloride	44		1.6	5.0
74-83-9	Bromomethane	43		3.9	5.0
75-00-3	Chloroethane	45		1.2	5.0
75-69-4	Trichlorofluoromethane	45		1.1	5.0
75-35-4	1,1-Dichloroethene	46		1.1	5.0
76-13-1	Trichlorotrifluoroethane	48		0.78	5.0
67-64-1	Acetone	37		5.0	50
75-15-0	Carbon Disulfide	38		0.81	5.0
75-09-2	Methylene Chloride	44		0.82	5.0
156-60-5	Trans-1,2-Dichloroethene	46		1.0	5.0
107-13-1	Acrylonitrile	51		2.8	10
75-34-3	1,1-Dichloroethane	50		0.99	5.0
156-59-2	Cis-1,2-Dichloroethene	51		1.1	5.0
594-20-7	2,2-Dichloropropane	50		0.84	5.0
109-99-9	Tetrahydrofuran (THF)	130		4.5	10
78-93-3	Methyl Ethyl Ketone	40		4.3	30
74-97-5	Bromochloromethane	49		0.73	5.0
67-66-3	Chloroform	49		0.91	5.0
71-55-6	1,1,1-Trichloroethane	49		1.0	5.0
1634-04-4	Methyl t-Butyl Ether (MTBE)	49		1.4	10
563-58-6	1,1-Dichloropropene	52		0.97	5.0
56-23-5	Carbon Tetrachloride	49		0.58	5.0
71-43-2	Benzene	51		0.99	5.0
107-06-2	1,2-Dichloroethane	50		0.44	5.0
79-01-6	Trichloroethene	54		1.1	5.0
78-87-5	1,2-dichloropropane	51		0.71	5.0
74-95-3	Dibromomethane	51		0.63	5.0
75-27-4	Bromodichloromethane	49		0.62	5.0
10061-01-5	cis-1,3-Dichloropropene	50		0.54	5.0
108-10-1	4-Methyl-2-Pentanone	49		1.2	25
108-88-3	Toluene	52		0.79	5.0
10061-02-6	trans-1,3-Dichloropropene	49		1.0	5.0
79-00-5	1,1,2-Trichloroethane	53		0.49	5.0
106-93-4	1,2-Dibromoethane	52		1.3	5.0

FORM I VOA

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

BG09442 LCS

Client: EBC Lab: Phoenix Env. Labs

SDG No.: GBG09442 Lab Sample ID: LCS-50 PPB STD.

Sample wt/vol: 5 (g/mL) g Lab File ID: 0214L38.D

Level: (low/med/meth): Low Date Received: 02/14/14

% Moisture: n.a. Date Analyzed: 02/14/14

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
127-18-4	Tetrachloroethene	51		1.1	5.0
142-28-9	1,3-Dichloropropane	49		0.53	5.0
591-78-6	2-Hexanone	43		2.3	25
124-48-1	Dibromochloromethane	49		0.56	5.0
108-90-7	Chlorobenzene	50		0.74	5.0
630-20-6	1,1,1,2-Tetrachloroethane	50		0.82	5.0
100-41-4	Ethylbenzene	51		0.91	5.0
179601-23-1	m&p-Xylene	100		2.0	5.0
95-47-6	o-Xylene	51		1.9	5.0
100-42-5	Styrene	50		1.4	5.0
75-25-2	Bromoform	48		0.70	5.0
98-82-8	Isopropylbenzene	52		0.96	5.0
79-34-5	1,1,2,2-Tetrachloroethane	47		0.71	5.0
108-86-1	Bromobenzene	50		0.65	5.0
96-18-4	1,2,3-Trichloropropane	50		0.71	5.0
103-65-1	n-Propylbenzene	54		0.90	5.0
95-49-8	2-Chlorotoluene	50		0.80	5.0
108-67-8	1,3,5-Trimethylbenzene	50		0.66	5.0
110-57-6	trans-1,4-Dichloro-2-butene	250		9.3	10
106-43-4	4-Chlorotoluene	51		0.58	5.0
98-06-6	tert-Butylbenzene	51		0.80	5.0
95-63-6	1,2,4-Trimethylbenzene	52		0.72	5.0
135-98-8	sec-Butylbenzene	50		0.94	5.0
541-73-1	1,3-Dichlorobenzene	50		0.74	5.0
99-87-6	p-Isopropyltoluene	52		0.72	5.0
106-46-7	1,4-Dichlorobenzene	49		0.79	5.0
527-84-4	2-Isopropyltoluene	52		0.69	5.0
104-51-8	n-Butylbenzene	52		0.91	5.0
95-50-1	1,2-Dichlorobenzene	49		0.55	5.0
96-12-8	1,2-Dibromo-3-Chloropropane	47		1.3	5.0
120-82-1	1,2,4-Trichlorobenzene	50		1.0	5.0
87-68-3	Hexachlorobutadiene	50		1.1	5.0
91-20-3	Naphthalene	51		1.3	5.0
87-61-6	1,2,3-Trichlorobenzene	51		1.0	5.0

FORM I VOA

Data Path : H:\V2014\CHEM03\02FEB\021414\
 Data File : 0214L38.D
 Acq On : 14 Feb 2014 7:59 pm
 Operator :
 Sample : LCS-50 PPB STD.
 Misc : BG09442 LCS
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 07:59:04 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Feb 17 07:58:40 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	2.932	168	213557	50.00	ug/l	0.00
25) 1,4-Difluorobenzene	3.214	114	388231	50.00	ug/l	0.00
42) Chlorobenzene-d5	4.893	117	376894	50.00	ug/l	0.00
55) 1,4-Dichlorobenzene-d4	6.488	152	185423	50.00	ug/l	0.00
System Monitoring Compounds						
23) % Dibromofluoromethane	2.712	192	18091	48.68	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	97.36%		
37) % Toluene-d8	3.957	98	471942	50.12	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	100.24%		
54) % Bromofluorobenzene	5.693	95	205801	49.91	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	99.82%		
56) % 1,2-dichlorobenzene-d4	6.797	152	169030	50.43	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	100.86%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.991	85	109670	40.56	ug/l	99
3) Chloromethane	1.085	50	157186	46.59	ug/l	100
4) Vinyl Chloride	1.127	62	119453	43.94	ug/l	98
5) Bromomethane	1.284	94	54344	43.42	ug/l	98
6) Chloroethane	1.342	64	70741	45.20	ug/l	97
7) Trichlorofluoromethane	1.404	101	164684	44.60	ug/l	# 100
8) 1,1-Dichloroethene	1.640	96	89165	45.86	ug/l	94
9) Trichlorotrifluoroethane	1.650	151	67264	48.42	ug/l	98
10) Acrolein	1.791	56	51767	203.60	ug/l	100
11) Acetone	1.927	43	36013	37.21	ug/l	96
12) Carbon Disulfide	1.661	76	276557	37.99	ug/l	100
13) Methylene Chloride	1.901	84	90354	43.62	ug/l	# 86
14) Trans-1,2-Dichloroethene	1.969	96	98197	45.62	ug/l	96
15) 1,1-Dichloroethane	2.252	63	239895	50.38	ug/l	99
16) Acrylonitrile	2.278	53	38611	51.08	ug/l	96
17) Cis-1,2-Dichloroethene	2.503	96	118220	51.16	ug/l	95
18) 2,2-Dichloropropane	2.555	77	214797	50.38	ug/l	98
19) Tetrahydrofuran (THF)	2.712	42	88369	126.95	ug/l	99
20) Methyl Ethyl Ketone	2.775	43	59174	39.69	ug/l	96
21) Bromochloromethane	2.597	128	45706	49.00	ug/l	98
22) Chloroform	2.623	83	214398	48.82	ug/l	100
24) 1,1,1-Trichloroethane	2.733	97	219048	49.46	ug/l	99
26) Methyl t-Butyl Ether (...)	2.021	73	272085	48.73	ug/l	98
27) 1,1-Dichloropropene	2.790	110	60251	51.68	ug/l	97
28) Carbon Tetrachloride	2.701	117	175413	49.33	ug/l	100
29) Benzene	2.911	78	468095	51.46	ug/l	100
30) 1,2-Dichloroethane	3.010	62	165545	50.32	ug/l	100
31) Trichloroethene	3.204	130	118451	53.51	ug/l	97
32) 1,2-dichloropropane	3.475	63	116563	51.31	ug/l	99
33) Dibromomethane	3.423	93	58087	50.65	ug/l	96
34) Bromodichloromethane	3.502	83	152382	48.51	ug/l	98
35) cis-1,3-Dichloropropene	3.852	75	170500	50.46	ug/l	99
36) 4-Methyl-2-Pentanone	4.197	43	118617	49.15	ug/l	99
38) Toluene	3.988	92	307420	51.93	ug/l	99
39) trans-1,3-Dichloropropene	4.223	75	156803	49.19	ug/l	97
40) 1,1,2-Trichloroethane	4.318	97	84621	53.49	ug/l	95
41) 1,2-Dibromoethane	4.579	107	83717	52.16	ug/l	97
43) Tetrachloroethene	4.213	164	89404	51.44	ug/l	99

Data Path : H:\V2014\CHEM03\02FEB\021414\
 Data File : 0214L38.D
 Acq On : 14 Feb 2014 7:59 pm
 Operator :
 Sample : LCS-50 PPB STD.
 Misc : BG09442 LCS
 ALS Vial : 1 Sample Multiplier: 1

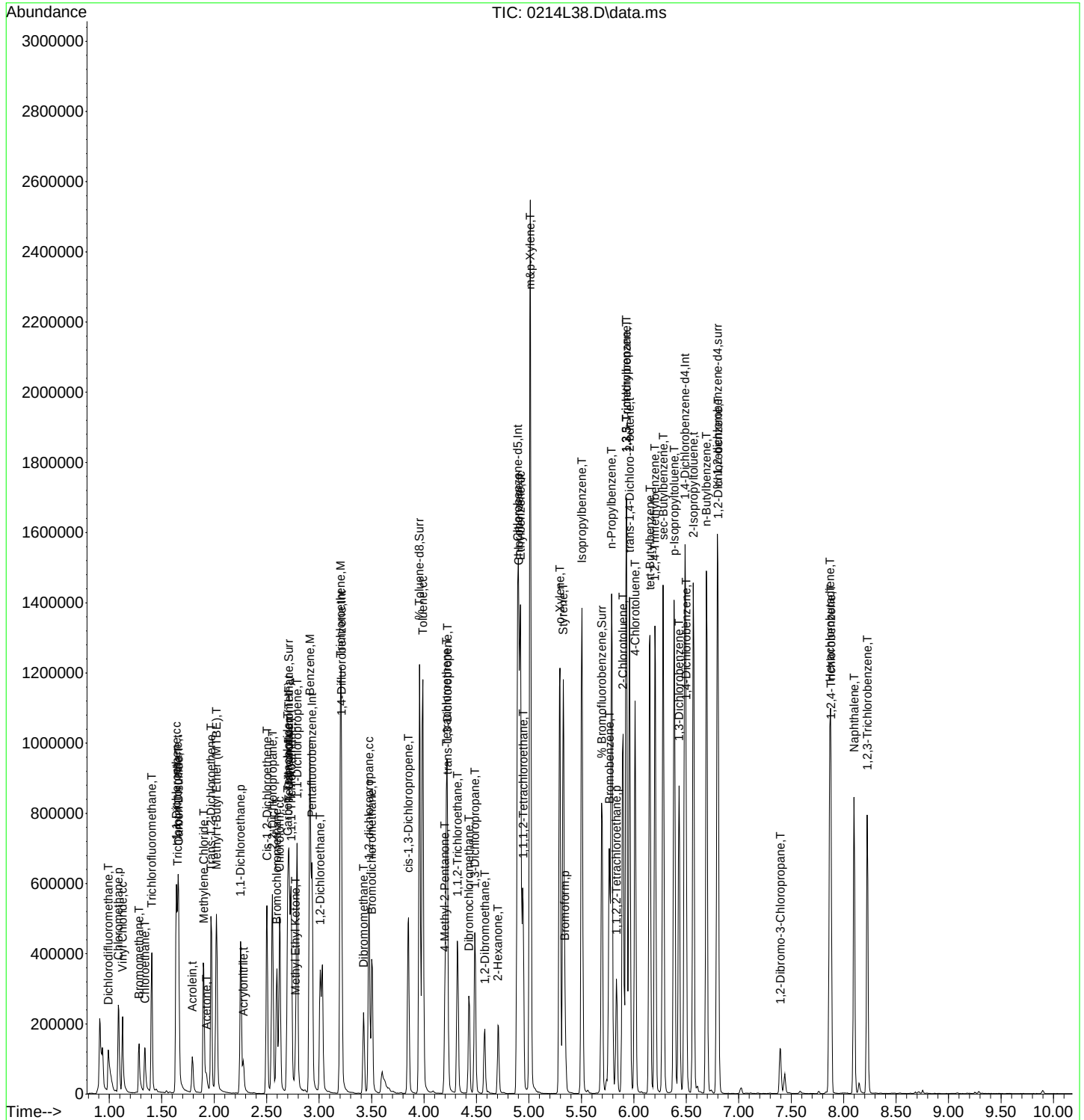
Quant Time: Feb 17 07:59:04 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Feb 17 07:58:40 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 1,3-Dichloropropane	4.485	76	154962	48.75	ug/l	100
45) 2-Hexanone	4.705	43	90551	43.48	ug/l	99
46) Dibromochloromethane	4.427	129	92681	49.35	ug/l	99
47) Chlorobenzene	4.903	112	298680	49.66	ug/l	98
48) 1,1,1,2-Tetrachloroethane	4.945	131	103899	49.65	ug/l	100
49) Ethylbenzene	4.919	106	181734	50.50	ug/l	95
50) m&p-Xylene	5.013	106	442182	102.96	ug/l	96
51) o-Xylene	5.296	106	212644	50.52	ug/l	94
52) Styrene	5.327	104	357355	50.08	ug/l	96
53) Bromoform	5.343	173	52156	47.79	ug/l	100
57) Isopropylbenzene	5.505	120	153058	52.01	ug/l	95
58) 1,1,2,2-Tetrachloroethane	5.834	83	101732	46.90	ug/l	98
59) Bromobenzene	5.766	156	110178	49.67	ug/l	97
60) 1,2,3-Trichloropropane	5.928	75	98620	49.80	ug/l	98
61) n-Propylbenzene	5.787	120	158274	54.34	ug/l	95
62) 2-Chlorotoluene	5.897	126	124818	49.56	ug/l	96
63) 1,3,5-Trimethylbenzene	5.928	105	529241	50.40	ug/l	97
64) trans-1,4-Dichloro-2-b...	5.960	75	207292	253.12	ug/l	99
65) 4-Chlorotoluene	6.012	126	128748	50.80	ug/l	100
66) tert-Butylbenzene	6.153	119	437351	51.46	ug/l	96
67) 1,2,4-Trimethylbenzene	6.200	105	527494	52.48	ug/l	99
68) sec-Butylbenzene	6.279	105	704571	50.19	ug/l	99
69) 1,3-Dichlorobenzene	6.431	146	233767	50.19	ug/l	99
70) p-Isopropyltoluene	6.383	119	559085	51.55	ug/l	99
71) 1,4-Dichlorobenzene	6.499	146	227452	49.47	ug/l	99
72) 2-Isopropyltoluene	6.567	119	548726	52.40	ug/l	98
73) n-Butylbenzene	6.692	91	577299	51.86	ug/l	99
74) 1,2-Dichlorobenzene	6.802	146	208818	48.97	ug/l	98
75) 1,2-Dibromo-3-Chloropr...	7.398	155	16585	47.07	ug/l	98
76) 1,2,4-Trichlorobenzene	7.879	180	148640	50.09	ug/l	98
77) Hexachlorobutadiene	7.869	225	84197	49.72	ug/l	97
78) Naphthalene	8.099	128	387723	50.81	ug/l	99
79) 1,2,3-Trichlorobenzene	8.225	180	140623	50.85	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : H:\V2014\CHEM03\02FEB\021414\
 Data File : 0214L38.D
 Acq On : 14 Feb 2014 7:59 pm
 Operator :
 Sample : LCS-50 PPB STD.
 Misc : BG09442 LCS
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 07:59:04 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Feb 17 07:58:40 2014
 Response via : Initial Calibration



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

BG09442 LCSD

Client: EBC Lab: Phoenix Env. Labs

SDG No.: GBG09442 Lab Sample ID: LCSD-50 PPB STD.

Sample wt/vol: 5 (g/mL) g Lab File ID: 0214L39.D

Level: (low/med/meth): Low Date Received: 02/14/14

% Moisture: n.a. Date Analyzed: 02/14/14

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	40		1.3	5.0
74-87-3	Chloromethane	45		2.6	5.0
75-01-4	Vinyl Chloride	42		1.6	5.0
74-83-9	Bromomethane	43		3.9	5.0
75-00-3	Chloroethane	44		1.2	5.0
75-69-4	Trichlorofluoromethane	43		1.1	5.0
75-35-4	1,1-Dichloroethene	45		1.1	5.0
76-13-1	Trichlorotrifluoroethane	48		0.78	5.0
67-64-1	Acetone	37		5.0	50
75-15-0	Carbon Disulfide	37		0.81	5.0
75-09-2	Methylene Chloride	42		0.82	5.0
156-60-5	Trans-1,2-Dichloroethene	44		1.0	5.0
107-13-1	Acrylonitrile	48		2.8	10
75-34-3	1,1-Dichloroethane	48		0.99	5.0
156-59-2	Cis-1,2-Dichloroethene	49		1.1	5.0
594-20-7	2,2-Dichloropropane	48		0.84	5.0
109-99-9	Tetrahydrofuran (THF)	120		4.5	10
78-93-3	Methyl Ethyl Ketone	38		4.3	30
74-97-5	Bromochloromethane	48		0.73	5.0
67-66-3	Chloroform	47		0.91	5.0
71-55-6	1,1,1-Trichloroethane	48		1.0	5.0
1634-04-4	Methyl t-Butyl Ether (MTBE)	47		1.4	10
563-58-6	1,1-Dichloropropene	50		0.97	5.0
56-23-5	Carbon Tetrachloride	48		0.58	5.0
71-43-2	Benzene	50		0.99	5.0
107-06-2	1,2-Dichloroethane	49		0.44	5.0
79-01-6	Trichloroethene	52		1.1	5.0
78-87-5	1,2-dichloropropane	50		0.71	5.0
74-95-3	Dibromomethane	49		0.63	5.0
75-27-4	Bromodichloromethane	47		0.62	5.0
10061-01-5	cis-1,3-Dichloropropene	49		0.54	5.0
108-10-1	4-Methyl-2-Pentanone	46		1.2	25
108-88-3	Toluene	50		0.79	5.0
10061-02-6	trans-1,3-Dichloropropene	48		1.0	5.0
79-00-5	1,1,2-Trichloroethane	51		0.49	5.0
106-93-4	1,2-Dibromoethane	50		1.3	5.0

FORM I VOA

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

BG09442 LCSD

Client: EBC Lab: Phoenix Env. Labs

SDG No.: GBG09442 Lab Sample ID: LCSD-50 PPB STD.

Sample wt/vol: 5 (g/mL) g Lab File ID: 0214L39.D

Level: (low/med/meth): Low Date Received: 02/14/14

% Moisture: n.a. Date Analyzed: 02/14/14

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
127-18-4	Tetrachloroethene	51		1.1	5.0
142-28-9	1,3-Dichloropropane	48		0.53	5.0
591-78-6	2-Hexanone	42		2.3	25
124-48-1	Dibromochloromethane	48		0.56	5.0
108-90-7	Chlorobenzene	49		0.74	5.0
630-20-6	1,1,1,2-Tetrachloroethane	49		0.82	5.0
100-41-4	Ethylbenzene	49		0.91	5.0
179601-23-1	m&p-Xylene	100		2.0	5.0
95-47-6	o-Xylene	49		1.9	5.0
100-42-5	Styrene	48		1.4	5.0
75-25-2	Bromoform	46		0.70	5.0
98-82-8	Isopropylbenzene	49		0.96	5.0
79-34-5	1,1,2,2-Tetrachloroethane	44		0.71	5.0
108-86-1	Bromobenzene	48		0.65	5.0
96-18-4	1,2,3-Trichloropropane	47		0.71	5.0
103-65-1	n-Propylbenzene	51		0.90	5.0
95-49-8	2-Chlorotoluene	47		0.80	5.0
108-67-8	1,3,5-Trimethylbenzene	48		0.66	5.0
110-57-6	trans-1,4-Dichloro-2-butene	230		9.3	10
106-43-4	4-Chlorotoluene	48		0.58	5.0
98-06-6	tert-Butylbenzene	49		0.80	5.0
95-63-6	1,2,4-Trimethylbenzene	50		0.72	5.0
135-98-8	sec-Butylbenzene	48		0.94	5.0
541-73-1	1,3-Dichlorobenzene	48		0.74	5.0
99-87-6	p-Isopropyltoluene	49		0.72	5.0
106-46-7	1,4-Dichlorobenzene	47		0.79	5.0
527-84-4	2-Isopropyltoluene	50		0.69	5.0
104-51-8	n-Butylbenzene	50		0.91	5.0
95-50-1	1,2-Dichlorobenzene	47		0.55	5.0
96-12-8	1,2-Dibromo-3-Chloropropane	44		1.3	5.0
120-82-1	1,2,4-Trichlorobenzene	48		1.0	5.0
87-68-3	Hexachlorobutadiene	49		1.1	5.0
91-20-3	Naphthalene	48		1.3	5.0
87-61-6	1,2,3-Trichlorobenzene	48		1.0	5.0

FORM I VOA

Data Path : H:\V2014\CHEM03\02FEB\021414\
 Data File : 0214L39.D
 Acq On : 14 Feb 2014 8:20 pm
 Operator :
 Sample : LCSD-50 PPB STD.
 Misc : BG09442 LCSD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 07:59:06 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Feb 17 07:58:40 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	2.932	168	217559	50.00	ug/l	0.00
25) 1,4-Difluorobenzene	3.209	114	394613	50.00	ug/l	0.00
42) Chlorobenzene-d5	4.893	117	380616	50.00	ug/l	0.00
55) 1,4-Dichlorobenzene-d4	6.483	152	191418	50.00	ug/l	0.00
System Monitoring Compounds						
23) % Dibromofluoromethane	2.712	192	18519	48.92	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	97.84%		
37) % Toluene-d8	3.957	98	477100	49.85	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	99.70%		
54) % Bromofluorobenzene	5.693	95	208769	50.13	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	100.26%		
56) % 1,2-dichlorobenzene-d4	6.797	152	171811	49.65	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	99.30%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.986	85	109681	39.81	ug/l	99
3) Chloromethane	1.085	50	153712	44.72	ug/l	99
4) Vinyl Chloride	1.122	62	117349	42.37	ug/l	99
5) Bromomethane	1.279	94	54706	42.91	ug/l	100
6) Chloroethane	1.336	64	69921	43.85	ug/l	99
7) Trichlorofluoromethane	1.404	101	161340	42.89	ug/l	# 100
8) 1,1-Dichloroethene	1.635	96	88232	44.54	ug/l	91
9) Trichlorotrifluoroethane	1.650	151	67312	47.56	ug/l	96
10) Acrolein	1.792	56	47339	182.76	ug/l	100
11) Acetone	1.922	43	36039	36.55	ug/l	99
12) Carbon Disulfide	1.661	76	272476	36.74	ug/l	99
13) Methylene Chloride	1.896	84	89600	42.46	ug/l	# 88
14) Trans-1,2-Dichloroethene	1.969	96	97190	44.33	ug/l	94
15) 1,1-Dichloroethane	2.252	63	234465	48.34	ug/l	99
16) Acrylonitrile	2.278	53	36838	47.84	ug/l	96
17) Cis-1,2-Dichloroethene	2.503	96	115277	48.97	ug/l	97
18) 2,2-Dichloropropane	2.555	77	208904	48.10	ug/l	97
19) Tetrahydrofuran (THF)	2.712	42	84281	118.85	ug/l	99
20) Methyl Ethyl Ketone	2.775	43	57769	38.03	ug/l	98
21) Bromochloromethane	2.597	128	45170	47.53	ug/l	95
22) Chloroform	2.623	83	209417	46.81	ug/l	98
24) 1,1,1-Trichloroethane	2.733	97	217199	48.14	ug/l	100
26) Methyl t-Butyl Ether (...)	2.022	73	264914	46.68	ug/l	97
27) 1,1-Dichloropropene	2.790	110	59358	50.09	ug/l	97
28) Carbon Tetrachloride	2.702	117	174097	48.17	ug/l	100
29) Benzene	2.911	78	459749	49.72	ug/l	100
30) 1,2-Dichloroethane	3.010	62	164009	49.05	ug/l	99
31) Trichloroethene	3.204	130	116484	51.77	ug/l	98
32) 1,2-dichloropropane	3.476	63	115816	50.16	ug/l	99
33) Dibromomethane	3.423	93	56801	48.73	ug/l	93
34) Bromodichloromethane	3.502	83	151298	47.39	ug/l	98
35) cis-1,3-Dichloropropene	3.847	75	168172	48.97	ug/l	99
36) 4-Methyl-2-Pentanone	4.197	43	113558	46.29	ug/l	99
38) Toluene	3.988	92	303614	50.45	ug/l	99
39) trans-1,3-Dichloropropene	4.224	75	155807	48.08	ug/l	99
40) 1,1,2-Trichloroethane	4.318	97	81679	50.79	ug/l	97
41) 1,2-Dibromoethane	4.574	107	82250	50.41	ug/l	98
43) Tetrachloroethene	4.213	164	88780	50.59	ug/l	99

Data Path : H:\V2014\CHEM03\02FEB\021414\
 Data File : 0214L39.D
 Acq On : 14 Feb 2014 8:20 pm
 Operator :
 Sample : LCSD-50 PPB STD.
 Misc : BG09442 LCSD
 ALS Vial : 1 Sample Multiplier: 1

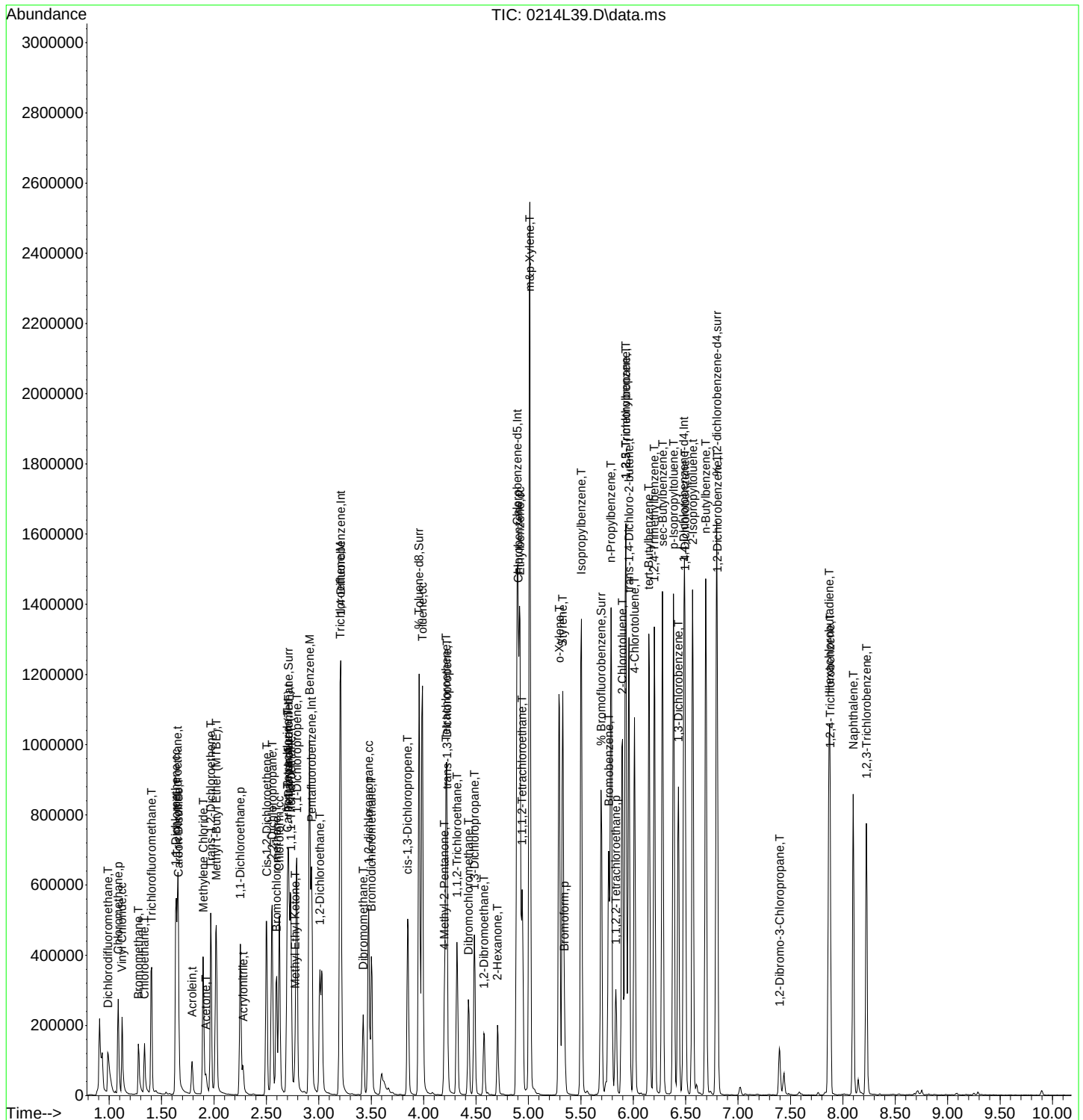
Quant Time: Feb 17 07:59:06 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Feb 17 07:58:40 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 1,3-Dichloropropane	4.485	76	153772	47.90	ug/l	98
45) 2-Hexanone	4.705	43	87942	41.81	ug/l	99
46) Dibromochloromethane	4.428	129	90934	47.94	ug/l	100
47) Chlorobenzene	4.903	112	296121	48.75	ug/l	99
48) 1,1,1,2-Tetrachloroethane	4.940	131	102807	48.65	ug/l	100
49) Ethylbenzene	4.919	106	179002	49.25	ug/l	94
50) m&p-Xylene	5.013	106	434668	100.22	ug/l	97
51) o-Xylene	5.296	106	208071	48.95	ug/l	94
52) Styrene	5.327	104	347689	48.25	ug/l	96
53) Bromoform	5.343	173	50565	45.88	ug/l	99
57) Isopropylbenzene	5.505	120	147964	48.70	ug/l	98
58) 1,1,2,2-Tetrachloroethane	5.834	83	98505	43.99	ug/l	97
59) Bromobenzene	5.766	156	108880	47.54	ug/l	96
60) 1,2,3-Trichloropropane	5.929	75	95986	46.95	ug/l	99
61) n-Propylbenzene	5.787	120	154541	51.39	ug/l	95
62) 2-Chlorotoluene	5.897	126	121033	46.55	ug/l	99
63) 1,3,5-Trimethylbenzene	5.929	105	524001	48.34	ug/l	97
64) trans-1,4-Dichloro-2-b...	5.960	75	196842	232.83	ug/l	100
65) 4-Chlorotoluene	6.012	126	126777	48.46	ug/l	100
66) tert-Butylbenzene	6.148	119	432649	49.31	ug/l	97
67) 1,2,4-Trimethylbenzene	6.201	105	519370	50.05	ug/l	98
68) sec-Butylbenzene	6.279	105	692241	47.77	ug/l	99
69) 1,3-Dichlorobenzene	6.431	146	231101	48.06	ug/l	99
70) p-Isopropyltoluene	6.384	119	554002	49.48	ug/l	98
71) 1,4-Dichlorobenzene	6.493	146	223554	47.10	ug/l	99
72) 2-Isopropyltoluene	6.567	119	542031	50.14	ug/l	98
73) n-Butylbenzene	6.692	91	575206	50.05	ug/l	99
74) 1,2-Dichlorobenzene	6.802	146	206399	46.89	ug/l	99
75) 1,2-Dibromo-3-Chloropr...	7.398	155	15995	43.98	ug/l	97
76) 1,2,4-Trichlorobenzene	7.879	180	147162	48.04	ug/l	99
77) Hexachlorobutadiene	7.869	225	84946	48.59	ug/l	99
78) Naphthalene	8.099	128	381598	48.44	ug/l	98
79) 1,2,3-Trichlorobenzene	8.225	180	137159	48.04	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : H:\V2014\CHEM03\02FEB\021414\
Data File : 0214L39.D
Acq On : 14 Feb 2014 8:20 pm
Operator :
Sample : LCSD-50 PPB STD.
Misc : BG09442 LCSD
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 07:59:06 2014
Quant Method : H:\V2014\CHEM03\Methods\RCP5_0212#1.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Feb 17 07:58:40 2014
Response via : Initial Calibration



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

B-11-12F MS

Client: EBC Lab: Phoenix Env. Labs

SDG No.: GBG09442 Lab Sample ID: MS BG09442 50PPB STD

Sample wt/vol: 5 (g/mL) g Lab File ID: 0214L55.D

Level: (low/med/meth): Low Date Received: 02/14/14

% Moisture: 0 Date Analyzed: 02/15/14

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	40		1.3	5.0
74-87-3	Chloromethane	45		2.6	5.0
75-01-4	Vinyl Chloride	43		1.6	5.0
74-83-9	Bromomethane	47		3.9	5.0
75-00-3	Chloroethane	45		1.2	5.0
75-69-4	Trichlorofluoromethane	46		1.1	5.0
75-35-4	1,1-Dichloroethene	45		1.1	5.0
76-13-1	Trichlorotrifluoroethane	46		0.78	5.0
67-64-1	Acetone	77		5.0	50
75-15-0	Carbon Disulfide	44		0.81	5.0
75-09-2	Methylene Chloride	42		0.82	5.0
156-60-5	Trans-1,2-Dichloroethene	46		1.0	5.0
107-13-1	Acrylonitrile	47		2.8	10
75-34-3	1,1-Dichloroethane	49		0.99	5.0
156-59-2	Cis-1,2-Dichloroethene	49		1.1	5.0
594-20-7	2,2-Dichloropropane	53		0.84	5.0
109-99-9	Tetrahydrofuran (THF)	130		4.5	10
78-93-3	Methyl Ethyl Ketone	41		4.3	30
74-97-5	Bromochloromethane	50		0.73	5.0
67-66-3	Chloroform	49		0.91	5.0
71-55-6	1,1,1-Trichloroethane	51		1.0	5.0
1634-04-4	Methyl t-Butyl Ether (MTBE)	49		1.4	10
563-58-6	1,1-Dichloropropene	51		0.97	5.0
56-23-5	Carbon Tetrachloride	52		0.58	5.0
71-43-2	Benzene	50		0.99	5.0
107-06-2	1,2-Dichloroethane	50		0.44	5.0
79-01-6	Trichloroethene	50		1.1	5.0
78-87-5	1,2-dichloropropane	50		0.71	5.0
74-95-3	Dibromomethane	50		0.63	5.0
75-27-4	Bromodichloromethane	50		0.62	5.0
10061-01-5	cis-1,3-Dichloropropene	51		0.54	5.0
108-10-1	4-Methyl-2-Pentanone	47		1.2	25
108-88-3	Toluene	51		0.79	5.0
10061-02-6	trans-1,3-Dichloropropene	51		1.0	5.0
79-00-5	1,1,2-Trichloroethane	50		0.49	5.0
106-93-4	1,2-Dibromoethane	49		1.3	5.0

FORM I VOA

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

B-11-12F MS

Client: EBC Lab: Phoenix Env. Labs

SDG No.: GBG09442 Lab Sample ID: MS BG09442 50PPB STD

Sample wt/vol: 5 (g/mL) g Lab File ID: 0214L55.D

Level: (low/med/meth): Low Date Received: 02/14/14

% Moisture: 0 Date Analyzed: 02/15/14

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
127-18-4	Tetrachloroethene	50		1.1	5.0
142-28-9	1,3-Dichloropropane	46		0.53	5.0
591-78-6	2-Hexanone	39		2.3	25
124-48-1	Dibromochloromethane	48		0.56	5.0
108-90-7	Chlorobenzene	48		0.74	5.0
630-20-6	1,1,1,2-Tetrachloroethane	49		0.82	5.0
100-41-4	Ethylbenzene	49		0.91	5.0
179601-23-1	m&p-Xylene	97		2.0	5.0
95-47-6	o-Xylene	98		1.9	5.0
100-42-5	Styrene	97		1.4	5.0
75-25-2	Bromoform	47		0.70	5.0
98-82-8	Isopropylbenzene	49		0.96	5.0
79-34-5	1,1,2,2-Tetrachloroethane	47		0.71	5.0
108-86-1	Bromobenzene	47		0.65	5.0
96-18-4	1,2,3-Trichloropropane	46		0.71	5.0
103-65-1	n-Propylbenzene	48		0.90	5.0
95-49-8	2-Chlorotoluene	49		0.80	5.0
108-67-8	1,3,5-Trimethylbenzene	49		0.66	5.0
110-57-6	trans-1,4-Dichloro-2-butene	230		9.3	10
106-43-4	4-Chlorotoluene	48		0.58	5.0
98-06-6	tert-Butylbenzene	49		0.80	5.0
95-63-6	1,2,4-Trimethylbenzene	48		0.72	5.0
135-98-8	sec-Butylbenzene	49		0.94	5.0
541-73-1	1,3-Dichlorobenzene	46		0.74	5.0
99-87-6	p-Isopropyltoluene	49		0.72	5.0
106-46-7	1,4-Dichlorobenzene	46		0.79	5.0
527-84-4	2-Isopropyltoluene	49		0.69	5.0
104-51-8	n-Butylbenzene	48		0.91	5.0
95-50-1	1,2-Dichlorobenzene	46		0.55	5.0
96-12-8	1,2-Dibromo-3-Chloropropane	43		1.3	5.0
120-82-1	1,2,4-Trichlorobenzene	45		1.0	5.0
87-68-3	Hexachlorobutadiene	49		1.1	5.0
91-20-3	Naphthalene	45		1.3	5.0
87-61-6	1,2,3-Trichlorobenzene	45		1.0	5.0

FORM I VOA

Data Path : H:\V2014\CHEM03\02FEB\021414\
 Data File : 0214L55.D
 Acq On : 15 Feb 2014 2:06 am
 Operator :
 Sample : MS BG09442 50PPB STD
 Misc : B-11-12F MS
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 07:59:38 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Feb 17 07:58:40 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	2.932	168	194430	50.00	ug/l	0.00
25) 1,4-Difluorobenzene	3.209	114	358598	50.00	ug/l	0.00
42) Chlorobenzene-d5	4.888	117	353664	50.00	ug/l	0.00
55) 1,4-Dichlorobenzene-d4	6.483	152	175397	50.00	ug/l	0.00
System Monitoring Compounds						
23) % Dibromofluoromethane	2.712	192	16313	48.22	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	96.44%		
37) % Toluene-d8	3.957	98	442445	50.87	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	101.74%		
54) % Bromofluorobenzene	5.693	95	195630	50.56	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	101.12%		
56) % 1,2-dichlorobenzene-d4	6.792	152	158943	50.13	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	100.26%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.991	85	99027	40.22	ug/l	100
3) Chloromethane	1.085	50	138463	45.08	ug/l	99
4) Vinyl Chloride	1.122	62	106013	42.83	ug/l	100
5) Bromomethane	1.279	94	53174	46.67	ug/l	100
6) Chloroethane	1.336	64	64655	45.37	ug/l	97
7) Trichlorofluoromethane	1.404	101	155462	46.24	ug/l	# 100
8) 1,1-Dichloroethene	1.635	96	79807	45.08	ug/l	95
9) Trichlorotrifluoroethane	1.650	151	57949	45.81	ug/l	99
10) Acrolein	1.791	56	48891	211.20	ug/l	97
11) Acetone	1.922	43	67552	76.66	ug/l	98
12) Carbon Disulfide	1.661	76	292024	44.06	ug/l	100
13) Methylene Chloride	1.896	84	78373	41.56	ug/l	91
14) Trans-1,2-Dichloroethene	1.969	96	90284	46.07	ug/l	94
15) 1,1-Dichloroethane	2.252	63	213649	49.29	ug/l	100
16) Acrylonitrile	2.278	53	32275	46.90	ug/l	97
17) Cis-1,2-Dichloroethene	2.498	96	103955	49.41	ug/l	98
18) 2,2-Dichloropropane	2.550	77	205671	52.98	ug/l	100
19) Tetrahydrofuran (THF)	2.712	42	80896	127.65	ug/l	99
20) Methyl Ethyl Ketone	2.769	43	55840	41.14	ug/l	99
21) Bromochloromethane	2.597	128	42204	49.70	ug/l	95
22) Chloroform	2.623	83	197630	49.43	ug/l	98
24) 1,1,1-Trichloroethane	2.733	97	206201	51.14	ug/l	99
26) Methyl t-Butyl Ether (...)	2.016	73	254655	49.38	ug/l	97
27) 1,1-Dichloropropene	2.790	110	54701	50.80	ug/l	99
28) Carbon Tetrachloride	2.696	117	169461	51.60	ug/l	98
29) Benzene	2.911	78	417489	49.69	ug/l	100
30) 1,2-Dichloroethane	3.010	62	153048	50.37	ug/l	100
31) Trichloroethene	3.198	130	101263	49.53	ug/l	99
32) 1,2-dichloropropane	3.476	63	105363	50.22	ug/l	99
33) Dibromomethane	3.423	93	52444	49.51	ug/l	97
34) Bromodichloromethane	3.502	83	144351	49.76	ug/l	100
35) cis-1,3-Dichloropropene	3.847	75	157726	50.54	ug/l	99
36) 4-Methyl-2-Pentanone	4.197	43	104893	47.06	ug/l	99
38) Toluene	3.983	92	276578	50.58	ug/l	99
39) trans-1,3-Dichloropropene	4.218	75	150645	51.16	ug/l	99
40) 1,1,2-Trichloroethane	4.318	97	72833	49.84	ug/l	96
41) 1,2-Dibromoethane	4.574	107	72921	49.19	ug/l	96
43) Tetrachloroethene	4.213	164	81915	50.23	ug/l	99

Data Path : H:\V2014\CHEM03\02FEB\021414\
 Data File : 0214L55.D
 Acq On : 15 Feb 2014 2:06 am
 Operator :
 Sample : MS BG09442 50PPB STD
 Misc : B-11-12F MS
 ALS Vial : 1 Sample Multiplier: 1

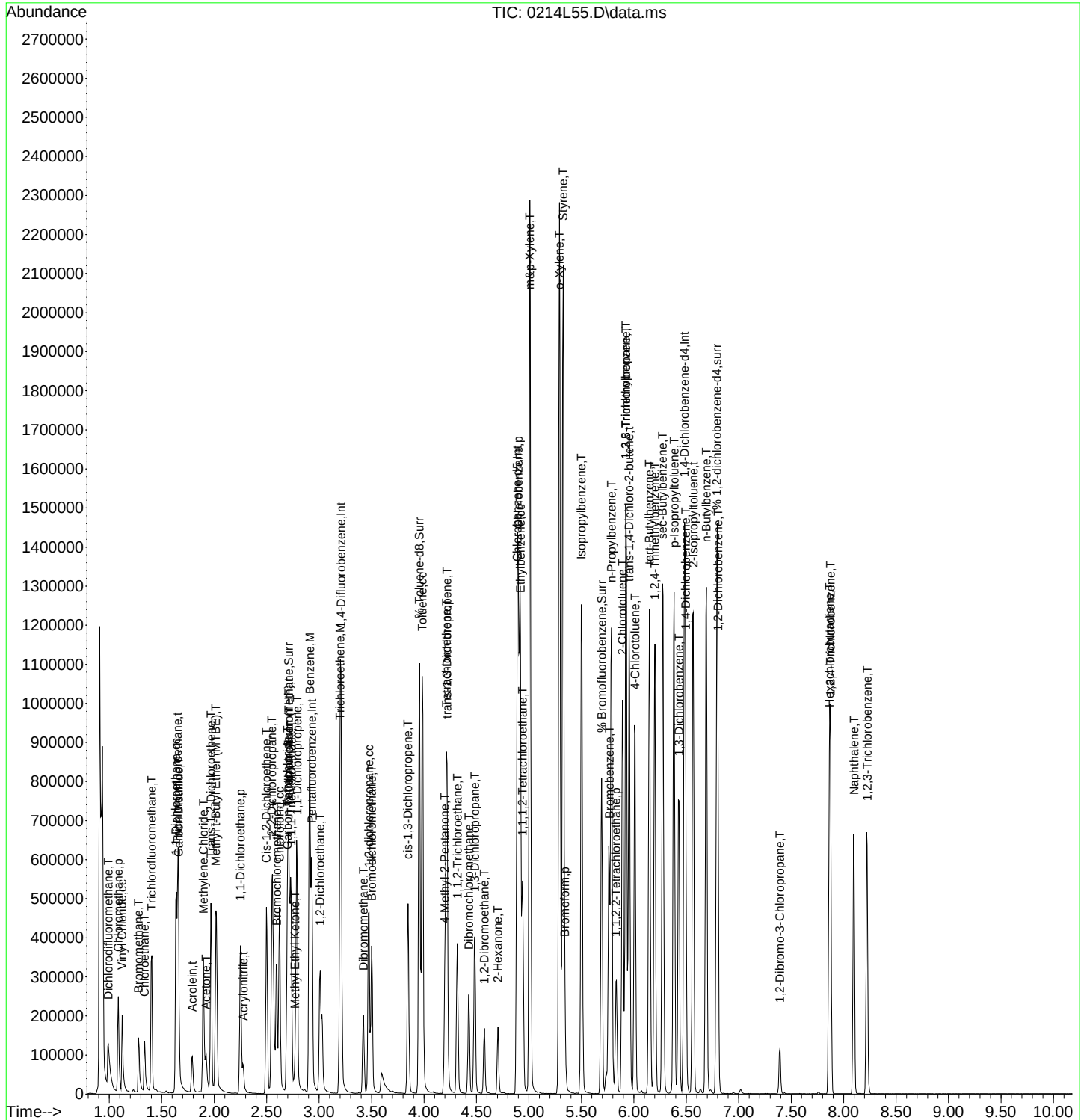
Quant Time: Feb 17 07:59:38 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Feb 17 07:58:40 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 1,3-Dichloropropane	4.485	76	138491	46.43	ug/l	100
45) 2-Hexanone	4.705	43	77114	39.46	ug/l	99
46) Dibromochloromethane	4.427	129	83801	47.55	ug/l	100
47) Chlorobenzene	4.898	112	269530	47.76	ug/l	97
48) 1,1,1,2-Tetrachloroethane	4.940	131	95634	48.70	ug/l	99
49) Ethylbenzene	4.919	106	164376	48.67	ug/l	91
50) m&p-Xylene	5.008	106	391595	97.17	ug/l	100
51) o-Xylene	5.290	106	388062	98.25	ug/l	98
52) Styrene	5.327	104	646306	96.53	ug/l	98
53) Bromoform	5.343	173	47651	46.53	ug/l	99
57) Isopropylbenzene	5.500	120	135962	48.84	ug/l	98
58) 1,1,2,2-Tetrachloroethane	5.829	83	96993	47.27	ug/l	99
59) Bromobenzene	5.766	156	99126	47.24	ug/l	97
60) 1,2,3-Trichloropropane	5.923	75	85537	45.66	ug/l	89
61) n-Propylbenzene	5.787	120	132629	48.14	ug/l	99
62) 2-Chlorotoluene	5.892	126	116001	48.69	ug/l	94
63) 1,3,5-Trimethylbenzene	5.923	105	481742	48.50	ug/l	98
64) trans-1,4-Dichloro-2-b...	5.955	75	180273	232.71	ug/l	99
65) 4-Chlorotoluene	6.012	126	114445	47.74	ug/l	100
66) tert-Butylbenzene	6.148	119	394459	49.07	ug/l	99
67) 1,2,4-Trimethylbenzene	6.201	105	460271	48.41	ug/l	100
68) sec-Butylbenzene	6.274	105	655302	49.35	ug/l	100
69) 1,3-Dichlorobenzene	6.431	146	204506	46.41	ug/l	99
70) p-Isopropyltoluene	6.384	119	498115	48.56	ug/l	99
71) 1,4-Dichlorobenzene	6.493	146	199660	45.91	ug/l	99
72) 2-Isopropyltoluene	6.567	119	487514	49.22	ug/l	99
73) n-Butylbenzene	6.692	91	510017	48.43	ug/l	100
74) 1,2-Dichlorobenzene	6.802	146	184394	45.72	ug/l	99
75) 1,2-Dibromo-3-Chloropr...	7.393	155	14384	43.16	ug/l	99
76) 1,2,4-Trichlorobenzene	7.874	180	125625	44.75	ug/l	99
77) Hexachlorobutadiene	7.864	225	78040	48.72	ug/l	99
78) Naphthalene	8.099	128	326298	45.21	ug/l	100
79) 1,2,3-Trichlorobenzene	8.225	180	118247	45.20	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : H:\V2014\CHEM03\02FEB\021414\
Data File : 0214L55.D
Acq On : 15 Feb 2014 2:06 am
Operator :
Sample : MS BG09442 50PPB STD
Misc : B-11-12F MS
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 07:59:38 2014
Quant Method : H:\V2014\CHEM03\Methods\RCPs_0212#1.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Feb 17 07:58:40 2014
Response via : Initial Calibration



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

B-11-12F MSD

Client: EBC Lab: Phoenix Env. Labs

SDG No.: GBG09442 Lab Sample ID: MSD BG09442 50PPB STD

Sample wt/vol: 5 (g/mL) g Lab File ID: 0214L56.D

Level: (low/med/meth): Low Date Received: 02/14/14

% Moisture: 0 Date Analyzed: 02/15/14

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	40		1.3	5.0
74-87-3	Chloromethane	44		2.6	5.0
75-01-4	Vinyl Chloride	41		1.6	5.0
74-83-9	Bromomethane	45		3.9	5.0
75-00-3	Chloroethane	45		1.2	5.0
75-69-4	Trichlorofluoromethane	45		1.1	5.0
75-35-4	1,1-Dichloroethene	44		1.1	5.0
76-13-1	Trichlorotrifluoroethane	46		0.78	5.0
67-64-1	Acetone	31		5.0	50
75-15-0	Carbon Disulfide	43		0.81	5.0
75-09-2	Methylene Chloride	42		0.82	5.0
156-60-5	Trans-1,2-Dichloroethene	45		1.0	5.0
107-13-1	Acrylonitrile	46		2.8	10
75-34-3	1,1-Dichloroethane	48		0.99	5.0
156-59-2	Cis-1,2-Dichloroethene	48		1.1	5.0
594-20-7	2,2-Dichloropropane	51		0.84	5.0
109-99-9	Tetrahydrofuran (THF)	120		4.5	10
78-93-3	Methyl Ethyl Ketone	41		4.3	30
74-97-5	Bromochloromethane	48		0.73	5.0
67-66-3	Chloroform	49		0.91	5.0
71-55-6	1,1,1-Trichloroethane	49		1.0	5.0
1634-04-4	Methyl t-Butyl Ether (MTBE)	50		1.4	10
563-58-6	1,1-Dichloropropene	49		0.97	5.0
56-23-5	Carbon Tetrachloride	50		0.58	5.0
71-43-2	Benzene	49		0.99	5.0
107-06-2	1,2-Dichloroethane	50		0.44	5.0
79-01-6	Trichloroethene	48		1.1	5.0
78-87-5	1,2-dichloropropane	49		0.71	5.0
74-95-3	Dibromomethane	49		0.63	5.0
75-27-4	Bromodichloromethane	49		0.62	5.0
10061-01-5	cis-1,3-Dichloropropene	49		0.54	5.0
108-10-1	4-Methyl-2-Pentanone	46		1.2	25
108-88-3	Toluene	48		0.79	5.0
10061-02-6	trans-1,3-Dichloropropene	49		1.0	5.0
79-00-5	1,1,2-Trichloroethane	49		0.49	5.0
106-93-4	1,2-Dibromoethane	48		1.3	5.0

FORM I VOA

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

B-11-12F MSD

Client: EBC Lab: Phoenix Env. Labs

SDG No.: GBG09442 Lab Sample ID: MSD BG09442 50PPB STD

Sample wt/vol: 5 (g/mL) g Lab File ID: 0214L56.D

Level: (low/med/meth): Low Date Received: 02/14/14

% Moisture: 0 Date Analyzed: 02/15/14

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
127-18-4	Tetrachloroethene	49		1.1	5.0
142-28-9	1,3-Dichloropropane	47		0.53	5.0
591-78-6	2-Hexanone	38		2.3	25
124-48-1	Dibromochloromethane	47		0.56	5.0
108-90-7	Chlorobenzene	46		0.74	5.0
630-20-6	1,1,1,2-Tetrachloroethane	48		0.82	5.0
100-41-4	Ethylbenzene	46		0.91	5.0
179601-23-1	m&p-Xylene	91		2.0	5.0
95-47-6	o-Xylene	92		1.9	5.0
100-42-5	Styrene	91		1.4	5.0
75-25-2	Bromoform	46		0.70	5.0
98-82-8	Isopropylbenzene	45		0.96	5.0
79-34-5	1,1,2,2-Tetrachloroethane	46		0.71	5.0
108-86-1	Bromobenzene	45		0.65	5.0
96-18-4	1,2,3-Trichloropropane	45		0.71	5.0
103-65-1	n-Propylbenzene	43		0.90	5.0
95-49-8	2-Chlorotoluene	44		0.80	5.0
108-67-8	1,3,5-Trimethylbenzene	44		0.66	5.0
110-57-6	trans-1,4-Dichloro-2-butene	230		9.3	10
106-43-4	4-Chlorotoluene	43		0.58	5.0
98-06-6	tert-Butylbenzene	45		0.80	5.0
95-63-6	1,2,4-Trimethylbenzene	43		0.72	5.0
135-98-8	sec-Butylbenzene	43		0.94	5.0
541-73-1	1,3-Dichlorobenzene	43		0.74	5.0
99-87-6	p-Isopropyltoluene	42		0.72	5.0
106-46-7	1,4-Dichlorobenzene	42		0.79	5.0
527-84-4	2-Isopropyltoluene	44		0.69	5.0
104-51-8	n-Butylbenzene	40		0.91	5.0
95-50-1	1,2-Dichlorobenzene	43		0.55	5.0
96-12-8	1,2-Dibromo-3-Chloropropane	42		1.3	5.0
120-82-1	1,2,4-Trichlorobenzene	38		1.0	5.0
87-68-3	Hexachlorobutadiene	36		1.1	5.0
91-20-3	Naphthalene	43		1.3	5.0
87-61-6	1,2,3-Trichlorobenzene	39		1.0	5.0

FORM I VOA

Data Path : H:\V2014\CHEM03\02FEB\021414\
 Data File : 0214L56.D
 Acq On : 15 Feb 2014 2:27 am
 Operator :
 Sample : MSD BG09442 50PPB STD
 Misc : B-11-12F MSD
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 07:59:40 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Feb 17 07:58:40 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	2.932	168	199462	50.00	ug/l	0.00
25) 1,4-Difluorobenzene	3.209	114	368658	50.00	ug/l	0.00
42) Chlorobenzene-d5	4.888	117	354896	50.00	ug/l	0.00
55) 1,4-Dichlorobenzene-d4	6.483	152	175618	50.00	ug/l	0.00
System Monitoring Compounds						
23) % Dibromofluoromethane	2.712	192	17194	49.54	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	99.08%		
37) % Toluene-d8	3.957	98	446879	49.98	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	99.96%		
54) % Bromofluorobenzene	5.693	95	195793	50.42	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	100.84%		
56) % 1,2-dichlorobenzene-d4	6.792	152	158325	49.87	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	99.74%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.991	85	100575	39.82	ug/l	100
3) Chloromethane	1.085	50	138110	43.83	ug/l	99
4) Vinyl Chloride	1.122	62	104559	41.18	ug/l	100
5) Bromomethane	1.279	94	52296	44.74	ug/l	99
6) Chloroethane	1.337	64	65727	44.96	ug/l	98
7) Trichlorofluoromethane	1.405	101	156280	45.31	ug/l	# 100
8) 1,1-Dichloroethene	1.635	96	80717	44.45	ug/l	95
9) Trichlorotrifluoroethane	1.650	151	59550	45.89	ug/l	98
10) Acrolein	1.792	56	44252	186.34	ug/l	98
11) Acetone	1.922	43	28234	31.23	ug/l	94
12) Carbon Disulfide	1.661	76	293771	43.20	ug/l	100
13) Methylene Chloride	1.896	84	80381	41.55	ug/l	92
14) Trans-1,2-Dichloroethene	1.969	96	91026	45.28	ug/l	94
15) 1,1-Dichloroethane	2.252	63	214649	48.27	ug/l	99
16) Acrylonitrile	2.278	53	32453	45.97	ug/l	98
17) Cis-1,2-Dichloroethene	2.498	96	104546	48.44	ug/l	97
18) 2,2-Dichloropropane	2.555	77	202211	50.78	ug/l	98
19) Tetrahydrofuran (THF)	2.712	42	76116	117.08	ug/l	99
20) Methyl Ethyl Ketone	2.770	43	56575	40.63	ug/l	100
21) Bromochloromethane	2.597	128	42115	48.34	ug/l	98
22) Chloroform	2.623	83	199691	48.69	ug/l	98
24) 1,1,1-Trichloroethane	2.733	97	204606	49.46	ug/l	99
26) Methyl t-Butyl Ether (...)	2.022	73	263369	49.67	ug/l	98
27) 1,1-Dichloropropene	2.791	110	53696	48.51	ug/l	100
28) Carbon Tetrachloride	2.696	117	168253	49.83	ug/l	99
29) Benzene	2.911	78	420883	48.72	ug/l	100
30) 1,2-Dichloroethane	3.010	62	155627	49.82	ug/l	100
31) Trichloroethene	3.198	130	101076	48.09	ug/l	99
32) 1,2-dichloropropane	3.476	63	105140	48.74	ug/l	99
33) Dibromomethane	3.423	93	53595	49.21	ug/l	98
34) Bromodichloromethane	3.502	83	146273	49.04	ug/l	99
35) cis-1,3-Dichloropropene	3.847	75	157845	49.19	ug/l	99
36) 4-Methyl-2-Pentanone	4.197	43	106436	46.44	ug/l	100
38) Toluene	3.988	92	268314	47.73	ug/l	100
39) trans-1,3-Dichloropropene	4.218	75	149683	49.45	ug/l	98
40) 1,1,2-Trichloroethane	4.318	97	73101	48.66	ug/l	94
41) 1,2-Dibromoethane	4.574	107	72790	47.76	ug/l	99
43) Tetrachloroethene	4.213	164	79916	48.84	ug/l	100

Data Path : H:\V2014\CHEM03\02FEB\021414\
 Data File : 0214L56.D
 Acq On : 15 Feb 2014 2:27 am
 Operator :
 Sample : MSD BG09442 50PPB STD
 Misc : B-11-12F MSD
 ALS Vial : 1 Sample Multiplier: 1

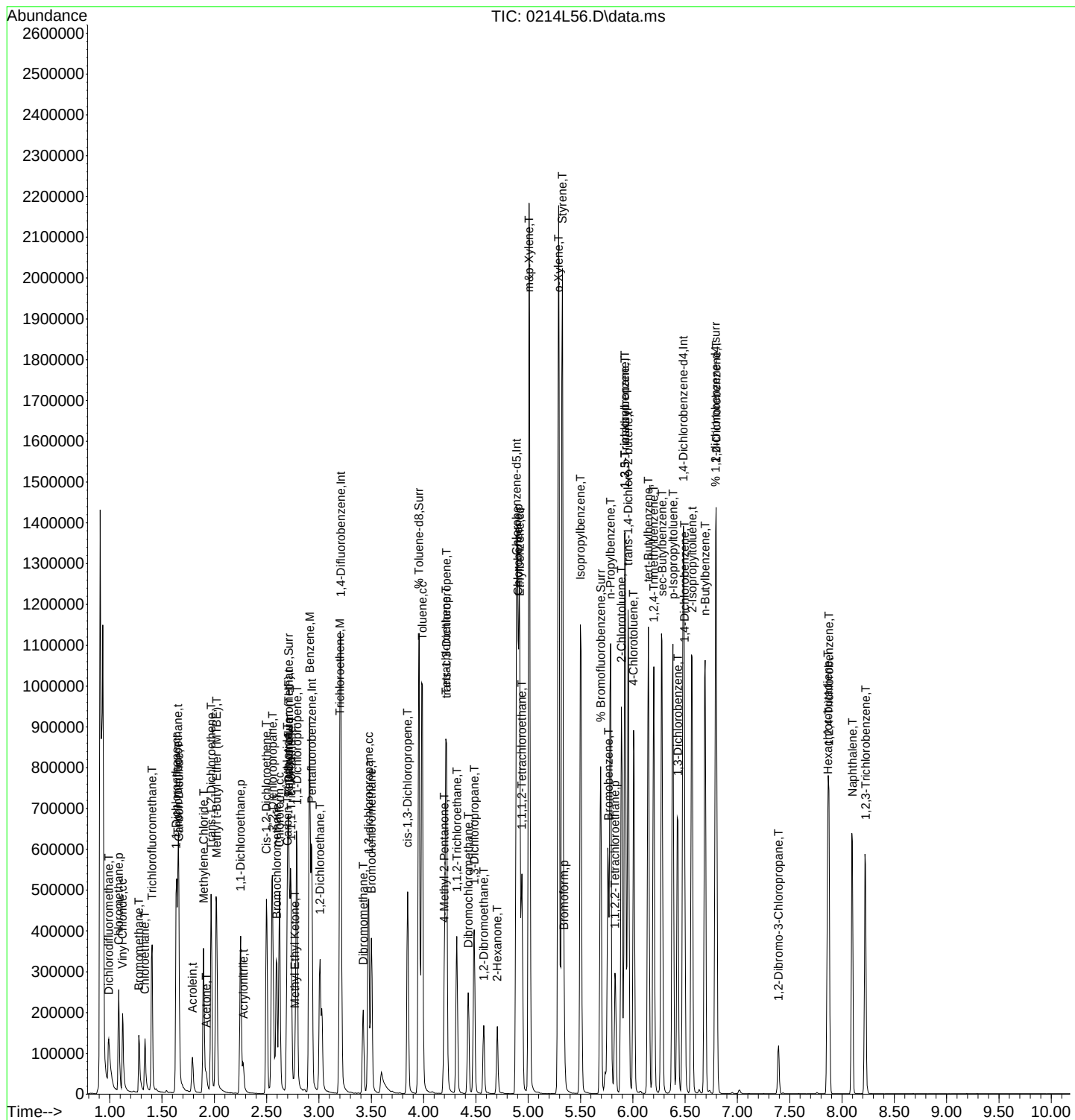
Quant Time: Feb 17 07:59:40 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Feb 17 07:58:40 2014
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 1,3-Dichloropropane	4.485	76	140298	46.87	ug/l	100
45) 2-Hexanone	4.705	43	74291	37.88	ug/l	98
46) Dibromochloromethane	4.428	129	82848	46.84	ug/l	99
47) Chlorobenzene	4.904	112	257914	45.54	ug/l	98
48) 1,1,1,2-Tetrachloroethane	4.940	131	94475	47.95	ug/l	99
49) Ethylbenzene	4.919	106	155544	45.90	ug/l	93
50) m&p-Xylene	5.008	106	367897	90.97	ug/l	100
51) o-Xylene	5.291	106	365973	92.34	ug/l	97
52) Styrene	5.327	104	611909	91.08	ug/l	98
53) Bromoform	5.343	173	47152	45.88	ug/l	100
57) Isopropylbenzene	5.500	120	126762	45.48	ug/l	97
58) 1,1,2,2-Tetrachloroethane	5.829	83	95164	46.32	ug/l	100
59) Bromobenzene	5.767	156	94193	44.83	ug/l	98
60) 1,2,3-Trichloropropane	5.923	75	84016	44.79	ug/l	97
61) n-Propylbenzene	5.787	120	119140	43.19	ug/l	98
62) 2-Chlorotoluene	5.892	126	104499	43.81	ug/l	97
63) 1,3,5-Trimethylbenzene	5.923	105	437531	43.99	ug/l	98
64) trans-1,4-Dichloro-2-b...	5.955	75	179240	231.09	ug/l	99
65) 4-Chlorotoluene	6.007	126	104131	43.38	ug/l	100
66) tert-Butylbenzene	6.148	119	359974	44.72	ug/l	99
67) 1,2,4-Trimethylbenzene	6.201	105	412555	43.33	ug/l	100
68) sec-Butylbenzene	6.279	105	574802	43.23	ug/l	100
69) 1,3-Dichlorobenzene	6.431	146	187509	42.50	ug/l	99
70) p-Isopropyltoluene	6.384	119	433674	42.22	ug/l	99
71) 1,4-Dichlorobenzene	6.494	146	182685	41.95	ug/l	100
72) 2-Isopropyltoluene	6.567	119	432829	43.64	ug/l	99
73) n-Butylbenzene	6.692	91	423637	40.18	ug/l	100
74) 1,2-Dichlorobenzene	6.797	146	172927	42.82	ug/l	100
75) 1,2-Dibromo-3-Chloropr...	7.393	155	14021	42.02	ug/l	98
76) 1,2,4-Trichlorobenzene	7.874	180	106932	38.05	ug/l	99
77) Hexachlorobutadiene	7.864	225	56964	35.52	ug/l	99
78) Naphthalene	8.099	128	307559	42.56	ug/l	100
79) 1,2,3-Trichlorobenzene	8.225	180	103052	39.34	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : H:\V2014\CHEM03\02FEB\021414\
Data File : 0214L56.D
Acq On : 15 Feb 2014 2:27 am
Operator :
Sample : MSD BG09442 50PPB STD
Misc : B-11-12F MSD
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 07:59:40 2014
Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Feb 17 07:58:40 2014
Response via : Initial Calibration



1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

BG09442 BLANK

Client: EBC Lab: Phoenix Env. Labs

SDG No.: GBG09442 Lab Sample ID: 5G SAND BLANK

Sample wt/vol: 5 (g/mL) g Lab File ID: 0214L42.D

Level: (low/med/meth): Low Date Received: 02/14/14

% Moisture: n.a. Date Analyzed: 02/14/14

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	5.0	U	1.3	5.0
74-87-3	Chloromethane	5.0	U	2.6	5.0
75-01-4	Vinyl Chloride	5.0	U	1.6	5.0
74-83-9	Bromomethane	5.0	U	3.9	5.0
75-00-3	Chloroethane	5.0	U	1.2	5.0
75-69-4	Trichlorofluoromethane	5.0	U	1.1	5.0
75-35-4	1,1-Dichloroethene	5.0	U	1.1	5.0
76-13-1	Trichlorotrifluoroethane	5.0	U	0.78	5.0
67-64-1	Acetone	5.3	JBS	5.0	50
75-15-0	Carbon Disulfide	5.0	U	0.81	5.0
75-09-2	Methylene Chloride	1.3	JBS	0.82	5.0
156-60-5	Trans-1,2-Dichloroethene	5.0	U	1.0	5.0
107-13-1	Acrylonitrile	10	U	2.8	10
75-34-3	1,1-Dichloroethane	5.0	U	0.99	5.0
156-59-2	Cis-1,2-Dichloroethene	5.0	U	1.1	5.0
594-20-7	2,2-Dichloropropane	5.0	U	0.84	5.0
109-99-9	Tetrahydrofuran (THF)	10	U	4.5	10
78-93-3	Methyl Ethyl Ketone	30	U	4.3	30
74-97-5	Bromochloromethane	5.0	U	0.73	5.0
67-66-3	Chloroform	5.0	U	0.91	5.0
71-55-6	1,1,1-Trichloroethane	5.0	U	1.0	5.0
1634-04-4	Methyl t-Butyl Ether (MTBE)	10	U	1.4	10
563-58-6	1,1-Dichloropropene	5.0	U	0.97	5.0
56-23-5	Carbon Tetrachloride	5.0	U	0.58	5.0
71-43-2	Benzene	5.0	U	0.99	5.0
107-06-2	1,2-Dichloroethane	5.0	U	0.44	5.0
79-01-6	Trichloroethene	5.0	U	1.1	5.0
78-87-5	1,2-dichloropropane	5.0	U	0.71	5.0
74-95-3	Dibromomethane	5.0	U	0.63	5.0
75-27-4	Bromodichloromethane	5.0	U	0.62	5.0
10061-01-5	cis-1,3-Dichloropropene	5.0	U	0.54	5.0
108-10-1	4-Methyl-2-Pentanone	25	U	1.2	25
108-88-3	Toluene	5.0	U	0.79	5.0
10061-02-6	trans-1,3-Dichloropropene	5.0	U	1.0	5.0
79-00-5	1,1,2-Trichloroethane	5.0	U	0.49	5.0
106-93-4	1,2-Dibromoethane	5.0	U	1.3	5.0

FORM I VOA

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

BG09442 BLANK

Client: EBC Lab: Phoenix Env. Labs

SDG No.: GBG09442 Lab Sample ID: 5G SAND BLANK

Sample wt/vol: 5 (g/mL) g Lab File ID: 0214L42.D

Level: (low/med/meth): Low Date Received: 02/14/14

% Moisture: n.a. Date Analyzed: 02/14/14

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
127-18-4	Tetrachloroethene	5.0	U	1.1	5.0
142-28-9	1,3-Dichloropropane	5.0	U	0.53	5.0
591-78-6	2-Hexanone	25	U	2.3	25
124-48-1	Dibromochloromethane	5.0	U	0.56	5.0
108-90-7	Chlorobenzene	5.0	U	0.74	5.0
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U	0.82	5.0
100-41-4	Ethylbenzene	5.0	U	0.91	5.0
179601-23-1	m&p-Xylene	5.0	U	2.0	5.0
95-47-6	o-Xylene	5.0	U	1.9	5.0
100-42-5	Styrene	5.0	U	1.4	5.0
75-25-2	Bromoform	5.0	U	0.70	5.0
98-82-8	Isopropylbenzene	5.0	U	0.96	5.0
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	0.71	5.0
108-86-1	Bromobenzene	5.0	U	0.65	5.0
96-18-4	1,2,3-Trichloropropane	5.0	U	0.71	5.0
103-65-1	n-Propylbenzene	5.0	U	0.90	5.0
95-49-8	2-Chlorotoluene	5.0	U	0.80	5.0
108-67-8	1,3,5-Trimethylbenzene	5.0	U	0.66	5.0
110-57-6	trans-1,4-Dichloro-2-butene	10	U	9.3	10
106-43-4	4-Chlorotoluene	5.0	U	0.58	5.0
98-06-6	tert-Butylbenzene	5.0	U	0.80	5.0
95-63-6	1,2,4-Trimethylbenzene	5.0	U	0.72	5.0
135-98-8	sec-Butylbenzene	5.0	U	0.94	5.0
541-73-1	1,3-Dichlorobenzene	5.0	U	0.74	5.0
99-87-6	p-Isopropyltoluene	5.0	U	0.72	5.0
106-46-7	1,4-Dichlorobenzene	5.0	U	0.79	5.0
527-84-4	2-Isopropyltoluene	5.0	U	0.69	5.0
104-51-8	n-Butylbenzene	5.0	U	0.91	5.0
95-50-1	1,2-Dichlorobenzene	5.0	U	0.55	5.0
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	1.3	5.0
120-82-1	1,2,4-Trichlorobenzene	5.0	U	1.0	5.0
87-68-3	Hexachlorobutadiene	5.0	U	1.1	5.0
91-20-3	Naphthalene	5.0	U	1.3	5.0
87-61-6	1,2,3-Trichlorobenzene	5.0	U	1.0	5.0

FORM I VOA

Data Path : H:\V2014\CHEM03\02FEB\021414\
 Data File : 0214L42.D
 Acq On : 14 Feb 2014 9:29 pm
 Operator :
 Sample : 5G SAND BLANK
 Misc : BG09442 BLANK
 ALS Vial : 1 Sample Multiplier: 1

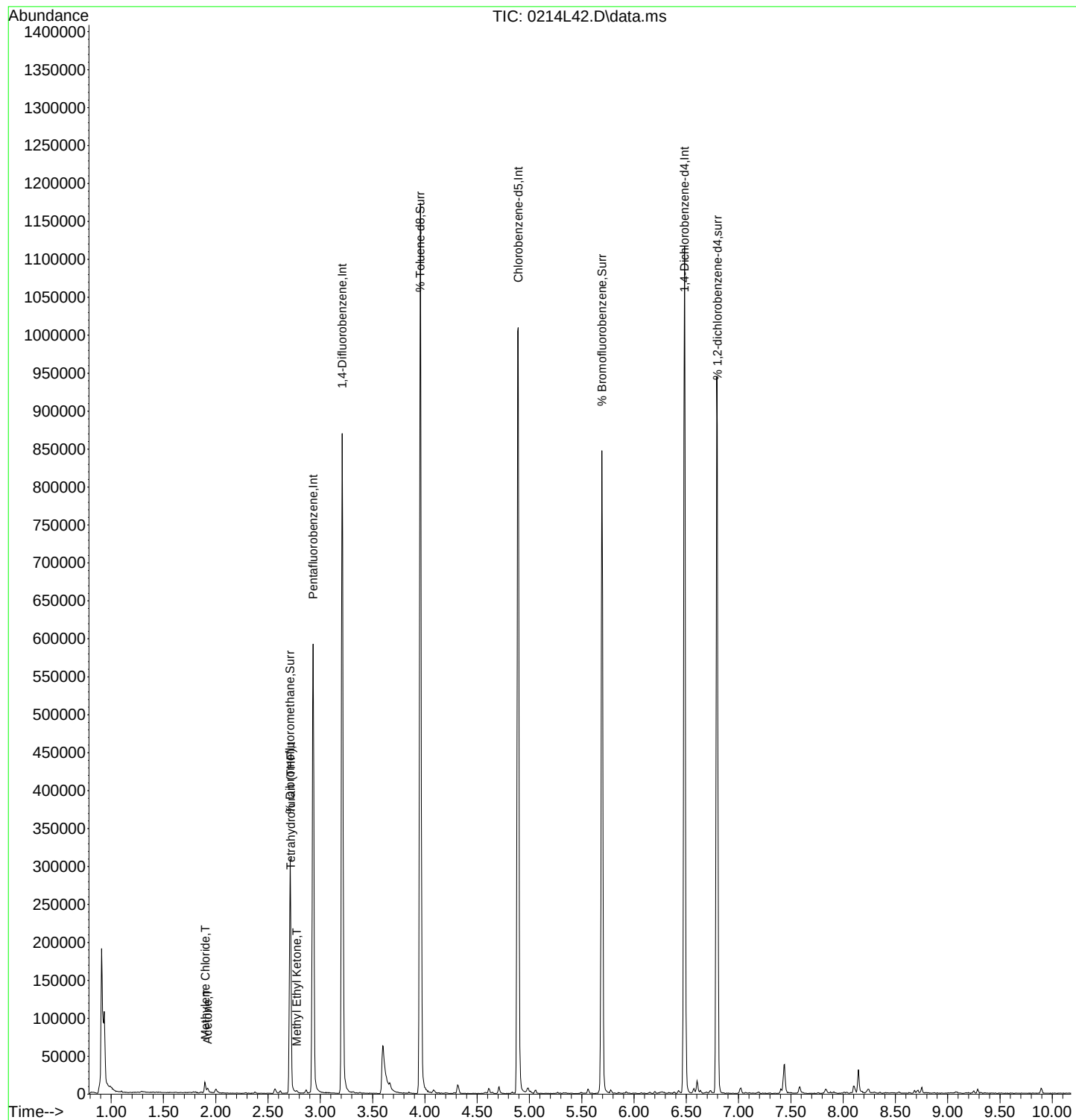
Quant Time: Feb 17 08:05:08 2014
 Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Feb 17 07:58:40 2014
 Response via : Initial Calibration

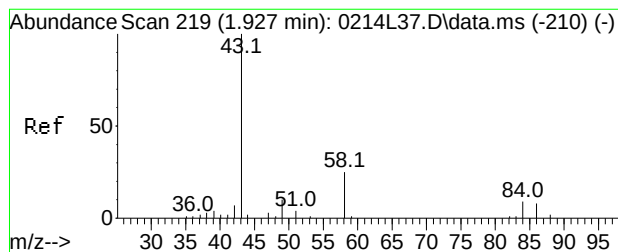
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	2.932	168	207797	50.00	ug/l	0.00
25) 1,4-Difluorobenzene	3.209	114	382092	50.00	ug/l	0.00
42) Chlorobenzene-d5	4.893	117	369591	50.00	ug/l	0.00
55) 1,4-Dichlorobenzene-d4	6.483	152	172459	50.00	ug/l	0.00
System Monitoring Compounds						
23) % Dibromofluoromethane	2.712	192	17322	47.91	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	95.82%		
37) % Toluene-d8	3.957	98	462610	49.92	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	99.84%		
54) % Bromofluorobenzene	5.693	95	197213	48.77	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	97.54%		
56) % 1,2-dichlorobenzene-d4	6.797	152	161432	51.78	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	103.56%		
Target Compounds						
11) Acetone	1.922	43	5003	5.31	ug/l	99
13) Methylene Chloride	1.901	84	2710	1.34	ug/l #	71
~~19) Tetrahydrofuran (THF)~~	~~2.717~~	~~42~~	~~463~~	~~0.68~~	~~ug/l #~~	~~82~~
~~20) Methyl Ethyl Ketone~~	~~2.775~~	~~43~~	~~2019~~	~~1.39~~	~~ug/l #~~	~~69~~

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : H:\V2014\CHEM03\02FEB\021414\
Data File : 0214L42.D
Acq On : 14 Feb 2014 9:29 pm
Operator :
Sample : 5G SAND BLANK
Misc : BG09442 BLANK
ALS Vial : 1 Sample Multiplier: 1

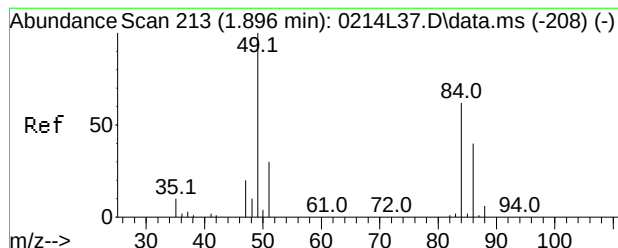
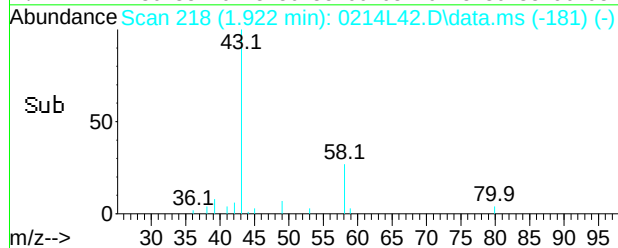
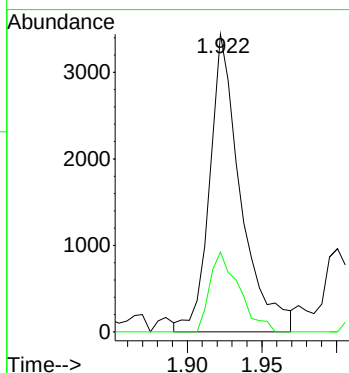
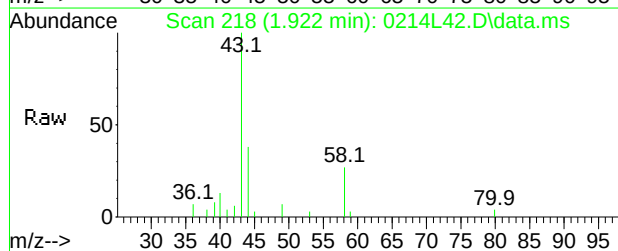
Quant Time: Feb 17 08:05:08 2014
Quant Method : H:\V2014\CHEM03\Methods\RCPS_0212#1.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Feb 17 07:58:40 2014
Response via : Initial Calibration





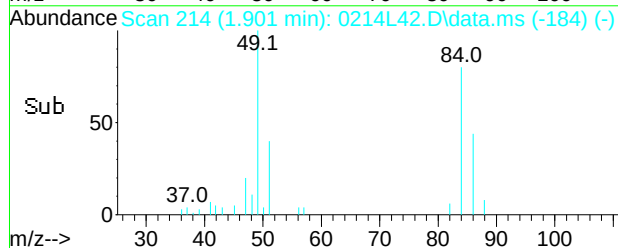
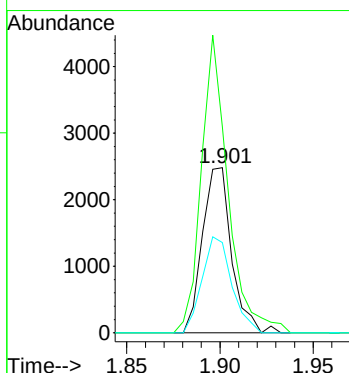
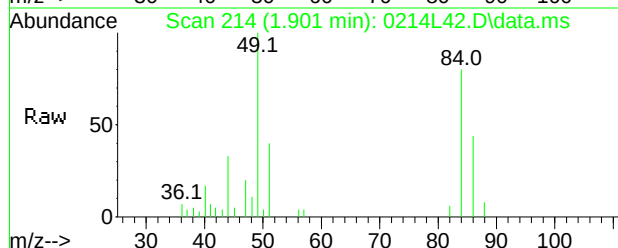
#11
Acetone
Concen: 5.31 ug/l
RT: 1.922 min Scan# 218
Delta R.T. -0.005 min
Lab File: 0214L42.D
Acq: 14 Feb 2014 9:29 pm

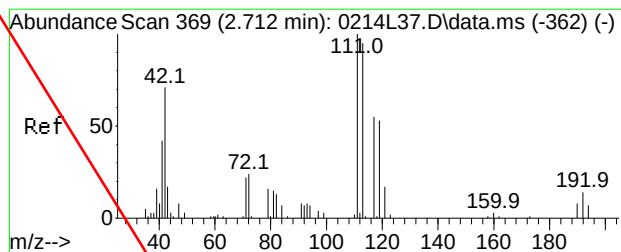
Tgt Ion: 43 Resp: 5003
Ion Ratio Lower Upper
43 100
58 25.2 20.5 30.7



#13
Methylene Chloride
Concen: 1.34 ug/l
RT: 1.901 min Scan# 214
Delta R.T. 0.005 min
Lab File: 0214L42.D
Acq: 14 Feb 2014 9:29 pm

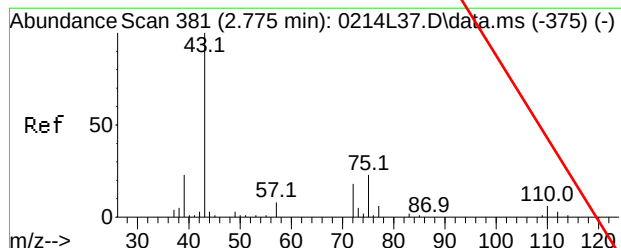
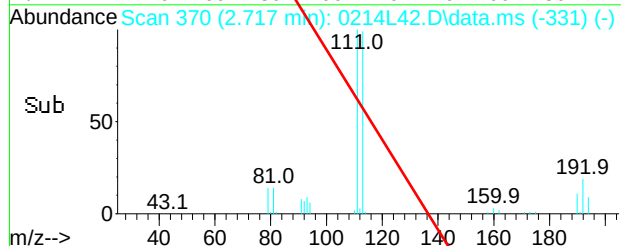
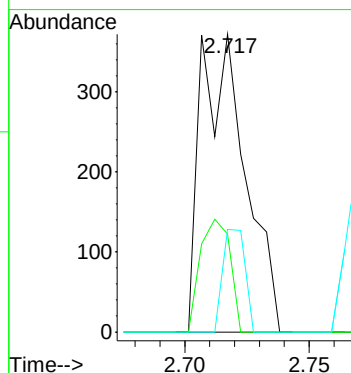
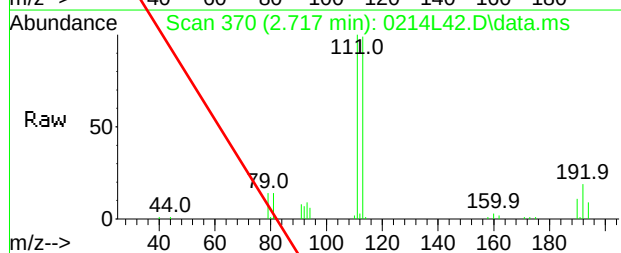
Tgt Ion: 84 Resp: 2710
Ion Ratio Lower Upper
84 100
49 124.7 154.0 194.0#
86 54.6 43.7 83.7





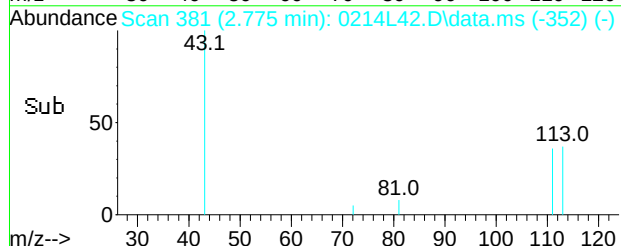
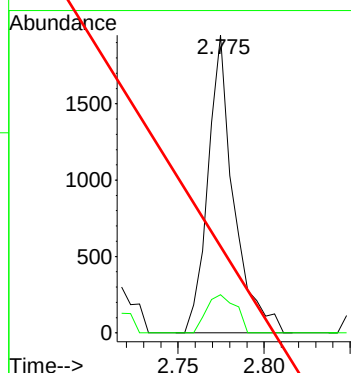
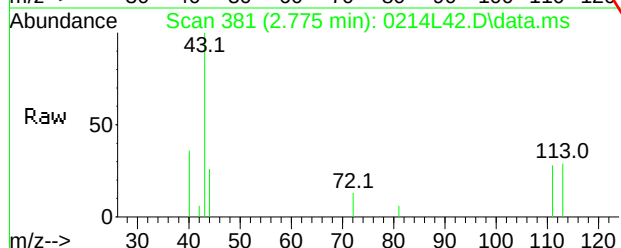
#19
Tetrahydrofuran (THF)
Concen: 0.68 ug/l
RT: 2.717 min Scan# 370
Delta R.T. 0.005 min
Lab File: 0214L42.D
Acq: 14 Feb 2014 9:29 pm

Tgt Ion: 42 Resp: 463
Ion Ratio Lower Upper
42 100
71 25.3 23.4 35.2
72 17.3 26.6 39.8#



#20
Methyl Ethyl Ketone
Concen: 1.39 ug/l
RT: 2.775 min Scan# 381
Delta R.T. 0.000 min
Lab File: 0214L42.D
Acq: 14 Feb 2014 9:29 pm

Tgt Ion: 43 Resp: 2019
Ion Ratio Lower Upper
43 100
72 14.6 25.3 37.9#



Injection Log

Data Directory: H:\V2014\CHEM03\02FEB\021214\

Line	VI	FileName	SampleName	MiscInfo	Injection Time
1)	3	0212L01.D	blank		02/12/14 8:16
2)	1	0212L02.D	blank		02/12/14 8:37
3)	1	0212L03.D	8260-1 ppb	TUNE	02/12/14 8:58
4)	1	0212L04.D	8260-5 ppb	ICAL 5.0	02/12/14 9:20
5)	1	0212L05.D	8260-10 ppb	ICAL 10	02/12/14 9:41
6)	1	0212L06.D	8260-20 ppb	ICAL 20	02/12/14 10:02
7)	1	0212L07.D	8260-50 ppb	ICAL 50	02/12/14 10:24
8)	1	0212L08.D	8260-100 ppb	ICAL 100	02/12/14 10:45
9)	1	0212L09.D	8260-150 ppb	77-b	02/12/14 11:06
10)	1	0212L10.D	blank		02/12/14 11:27
11)	1	0212L11.D	8260-150PPB	ICAL 150	02/12/14 11:49
12)	1	0212L12.D	blank		02/12/14 12:10
13)	1	0212L13.D	8260-50 ppb	77-b	02/12/14 12:31
14)	1	0212L14.D	lcs-50 ppb	78-d	02/12/14 12:53
15)	1	0212L15.D	lcs-50 ppb	78-d	02/12/14 13:14
16)	1	0212L16.D	blank	MEOH	02/12/14 13:35
17)	1	0212L17.D	BLANK	SAND	02/12/14 13:56
18)	1	0212L18.D	BG07938 #2 50.05X 9.99g		02/12/14 14:24
19)	1	0212L19.D	BG07938 #1 0.91X 5.50g		02/12/14 14:45
20)	1	0212L20.D	BG07939 #1 1.14X 4.37g		02/12/14 15:06
21)	1	0212L21.D	BG07940 #1 0.97X 5.15g		02/12/14 15:27
22)	1	0212L22.D	BG07941 #1 1.49X 3.35g		02/12/14 15:49
23)	1	0212L23.D	BG07942 #1 1.53X 3.26g		02/12/14 16:10
24)	1	0212L24.D	BG07943 #1 1.58X 3.16g		02/12/14 16:31
25)	1	0212L25.D	BG07944 #1 ASP 1.67X 2.		02/12/14 16:52
26)	1	0212L26.D	MS BG07938 50PPB STD		02/12/14 17:13
27)	1	0212L27.D	MSD BG07938 50PPB STD		02/12/14 17:35
28)	1	0212L28.D	MS BG07938 50PPB STD		02/12/14 17:56
29)	1	0212L29.D	MSD BG07938 50PPB STD		02/12/14 18:17
30)	1	0212L30.D	BLANK		02/12/14 18:38
31)	1	0212L31.D	BG07939 50.86X		02/12/14 19:00
32)	1	0212L32.D	BG07939 4.90G		02/12/14 19:21
33)	1	0212L33.D	BG07941 #2 51.14X HL	TETRA CK	02/12/14 19:42
34)	1	0212L34.D	8260-50 PPB STD.	77-B MIX	02/12/14 20:08
35)	1	0212L35.D	BLANK		02/12/14 20:29
36)	1	0212L36.D	8260-50 PPB STD.	77-B MIX	02/12/14 20:51
37)	1	0212L37.D	LCS-50 PPB STD.	78-D MIX	02/12/14 21:20
38)	1	0212L38.D	LCSD-50 PPB STD.	78-D MIX	02/12/14 21:41
39)	1	0212L39.D	BLANK		02/12/14 22:11
40)	1	0212L40.D	BLANK 5ML 1:50 MeOH		02/12/14 22:33
41)	1	0212L41.D	BLANK 5G SAND		02/12/14 22:54
42)	1	0212L42.D	BG08036 #2 50X		02/12/14 23:15
43)	1	0212L43.D	BG08036 #3 2.5G		02/12/14 23:37
44)	1	0212L44.D	BG08037 #2 50X		02/12/14 23:58
45)	1	0212L45.D	BG08037 #2 2.5X		02/13/14 12:19
46)	1	0212L46.D	BG08041 #2 50X		02/13/14 12:40
47)	1	0212L47.D	BG08041 #2 2.5G		02/13/14 1:01
48)	1	0212L48.D	BG08042 #2 50X		02/13/14 1:23
49)	1	0212L49.D	BG08042 #2 2.5G		02/13/14 1:44
50)	1	0212L50.D	BG08046 #2 50X		02/13/14 2:05
51)	1	0212L51.D	BG08046 #2 2.5G		02/13/14 2:26
52)	1	0212L52.D	BG08051 #2 50X		02/13/14 2:47
53)	1	0212L53.D	BG08051 #2 2.5G		02/13/14 3:09
54)	1	0212L54.D	BG08052 #2 50X		02/13/14 3:30
55)	1	0212L55.D	BG08052 #2 2.5G		02/13/14 3:51
56)	1	0212L56.D	BG08259 #2 5G		02/13/14 4:12
57)	1	0212L57.D	BG08261 #2 5G		02/13/14 4:33
58)	1	0212L58.D	BG08262 #2 5G		02/13/14 4:55
59)	1	0212L59.D	BG08854 #2 49.29X		02/13/14 5:16
60)	1	0212L60.D	BG08854 #1 2.87G LL		02/13/14 5:37
61)	1	0212L61.D	BG08849 #1 3.67G		02/13/14 5:58
62)	1	0212L62.D	MS BG08854 50PPB STD.	49.29X 77-B MIX	02/13/14 6:19
63)	1	0212L63.D	MSD BG08854 50PPB STD.	49.29X 77-B MIX	02/13/14 7:38
64)	1	0212L64.D	MS BG08854 50PPB STD.	5G 77-B MIX	02/13/14 7:59
65)	1	0212L65.D	MSD BG08854 50PPB STD.	5G 77-B MIX	02/13/14 8:20

Injection Log

Data Directory: H:\V2014\CHEM03\02FEB\021414\

Line	VI	FileName	SampleName	MiscInfo	Injection Time
1)	1	0214L01.D	BLANK		02/14/14 6:34
2)	1	0214L02.D	8260-50 PPB STD.	77-B MIX	02/14/14 6:55
3)	1	0214L03.D	LCS-50 PPB STD.	78-D MIX	02/14/14 7:16
4)	1	0214L04.D	LCSD-50 PPB STD.	78-D MIX	02/14/14 7:37
5)	1	0214L05.D	BLANK		02/14/14 7:59
6)	1	0214L06.D	BLANK 5ML 1:50 MeOH		02/14/14 8:20
7)	1	0214L07.D	BLANK 5G SAND		02/14/14 8:41
8)	1	0214L08.D	BG08851 #2 51.66X 10.84	\$8260MAR (72Hr) 02/1	02/14/14 9:14
9)	1	0214L09.D	BG08852 #2 48.73X 10.26	\$8260MAR (72Hr) 02/1	02/14/14 9:36
10)	1	0214L10.D	BG08855 #3 RCP 50.81X 9	\$8260MAR (72Hr) 02/1	02/14/14 9:57
11)	1	0214L11.D	BG07166 #5 250X 2.00g P	\$8260SMR 02/12 50x	02/14/14 10:18
12)	1	0214L12.D	BG07179 #3 1.01X 4.97g	\$8021SSR 02/12 rr c	02/14/14 10:40
13)	1	0214L13.D	BG07180 #3 0.99X 5.06g	\$8021SSR 02/12 rr c	02/14/14 11:01
14)	1	0214L14.D	BG07958 #1 0.95X 5.28g	\$8021SS_MAR 02/13	02/14/14 11:22
15)	1	0214L15.D	BG07959 #1 0.77X 6.48g	\$8021SS_MAR 02/13	02/14/14 11:43
16)	1	0214L16.D	BG07960 #1 1.2X 4.15g L	\$8021SS_MAR 02/13	02/14/14 12:05
17)	1	0214L17.D	BG07961 #1 0.88X 5.65g	\$8021SS_MAR 02/13	02/14/14 12:26
18)	1	0214L18.D	BG07963 #1 0.75X 6.64g	\$8021SS_MAR 02/13	02/14/14 12:47
19)	1	0214L19.D	BG07965 #1 0.84X 5.98g	\$8021SS_MAR 02/13	02/14/14 13:09
20)	1	0214L20.D	BG08264 #1 0.97X 5.13g	\$8260MAR 02/14	02/14/14 13:30
21)	1	0214L21.D	BG08349 #1 51.17X 11.53	\$8260MAR 02/14	02/14/14 13:51
22)	1	0214L22.D	BG08399 #1 0.98X 5.08g	\$8021SSR 02/14	02/14/14 14:13
23)	1	0214L23.D	BG08400 #1 0.98X 5.09g	\$8021SSR 02/14	02/14/14 14:34
24)	1	0214L24.D	BG08402 #1 1X 4.98g PPL	\$8021SSR 02/14	02/14/14 14:56
25)	1	0214L25.D	BG08403 #1 0.98X 5.09g	\$8021SSR 02/14	02/14/14 15:17
26)	1	0214L26.D	BG08404 #1 1X 5.02g PPL	\$8021SSR 02/14	02/14/14 15:38
27)	1	0214L27.D	BG08689 #2 RCP 50.2X 7.	\$8260MAR 02/17	02/14/14 16:00
28)	1	0214L28.D	BG08689 #1 RCP 1.79X 2.	\$8260MAR 02/17	02/14/14 16:21
29)	1	0214L29.D	BG08264 #2 53.66X 11.74	\$8260MAR 02/14 hl c	02/14/14 16:42
30)	1	0214L30.D	BG08349 #2 1.17X 4.26g	\$8260MAR 02/14 50x	02/14/14 17:04
31)	1	0214L31.D	blank		02/14/14 17:25
32)	1	0214L32.D	MS BG08689 50PPB STD	50x	02/14/14 17:46
33)	1	0214L33.D	MSD BG08689 50PPB STD	50x	02/14/14 18:08
34)	1	0214L34.D	MS BG08689 50PPB STD	5g	02/14/14 18:29
35)	1	0214L35.D	MSD BG08689 50PPB STD	5g	02/14/14 18:50
36)	2	0214L36.D	BLANK	TUNE	02/14/14 19:12
37)	3	0214L37.D	8260-50 PPB STD.	CCAL 50	02/14/14 19:33
38)	1	0214L38.D	LCS-50 PPB STD.	BG09442 LCS	02/14/14 19:59
39)	1	0214L39.D	LCSD-50 PPB STD.	BG09442 LCSD	02/14/14 20:20
40)	1	0214L40.D	BLANK		02/14/14 20:46
41)	1	0214L41.D	MEOH 1:50 BLANK		02/14/14 21:08
42)	1	0214L42.D	5G SAND BLANK	BG09442 BLANK	02/14/14 21:29
43)	1	0214L43.D	BG09442 #4 52.81X 17.23	\$8260MADPR (24Hr) 02	02/14/14 21:50
44)	1	0214L44.D	BG09442	B-11-12F	02/14/14 22:12
45)	1	0214L45.D	BG09443	B-11-24F	02/14/14 22:33
46)	1	0214L46.D	BG09444	B-10-12F	02/14/14 22:54
47)	1	0214L47.D	BG09445	B-10-28F	02/14/14 23:15
48)	1	0214L48.D	BG09446	REF-1-6F	02/14/14 23:37
49)	1	0214L49.D	BG09447	REF-2-18F	02/14/14 23:58
50)	1	0214L50.D	BG09448	DUP	02/15/14 12:19
51)	1	0214L51.D	BG07927 #1 1.14X 4.37g	\$8260MADPR (72Hr) 02	02/15/14 12:41
52)	1	0214L52.D	BG09444 50X	B-10-12F DILUTION	02/15/14 1:02
53)	1	0214L53.D	MS BG09442 50PPB STD	52.81X	02/15/14 1:23
54)	1	0214L54.D	MSD BG09442 50PPB STD	52.81X	02/15/14 1:45
55)	1	0214L55.D	MS BG09442 50PPB STD	B-11-12F MS	02/15/14 2:06
56)	1	0214L56.D	MSD BG09442 50PPB STD	B-11-12F MSD	02/15/14 2:27
57)	1	0214L57.D	8260-50 PPB STD.	CCAL 50	02/15/14 2:48
58)	1	0214L58.D	BLANK	77-B MIX	02/15/14 3:10
59)	1	0214L59.D	8260-50 PPB STD.	77-B MIX	02/15/14 3:31
60)	1	0214L60.D	8260-50 PPB STD.	77-B MIX	02/15/14 3:52
61)	1	0214L61.D	LCS-50 PPB STD.	78-D MIX	02/15/14 4:13
62)	0	0214L62.D	*** No MS or GC data present ***		N/A