



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site Details

Box 1

Site No. **C241141**

Site Name **34-11 Beach Channel Drive**

Site Address: 34-11 Beach & Far Rockaway Blvd Zip Code: 11691
City/Town: Far Rockaway
County: Queens
Site Acreage: 0.835

Reporting Period: April 20, 2018 to April 20, 2019

- | | YES | NO |
|--|-------------------------------------|-------------------------------------|
| 1. Is the information above correct? | ☒ | ☐ |
| If NO, include handwritten above or on a separate sheet. | | |
| 2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period? | ☐ | ☒ |
| 3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? | ☐ | ☒ |
| 4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? | ☒ | ☐ |
| If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form. | | |
| 5. Is the site currently undergoing development? | ☐ | ☒ |

Box 2

- | | YES | NO |
|---|-------------------------------------|--------------------------|
| 6. Is the current site use consistent with the use(s) listed below?
Restricted-Residential, Commercial, and Industrial | ☒ | ☐ |
| 7. Are all ICs/ECs in place and functioning as designed? | ☒ | ☐ |

**IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

Box 2A

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?

☐

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid?
(The Qualitative Exposure Assessment must be certified every five years)

☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C241141**Box 3****Description of Institutional Controls**ParcelOwnerInstitutional Control**60-15950-14**

Rockaway Seagirt Limited Partnership

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

* Allows use and development of property for restricted residential, commercial and industrial uses, subject to local zoning laws;

* Restricts use of groundwater as a source of potable or process water, without treatment as determined by NYSDOH or County DOH; and

* Requires compliance with the approved Site Management Plan.

60-15950-24

Rockaway Seagirt Limited Partnership

Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

Soil Management Plan
O&M Plan

* Must submit periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

* Allows use and development of property for restricted residential, commercial and industrial uses, subject to local zoning laws;

* Restricts use of groundwater as a source of potable or process water, without treatment as determined by NYSDOH or County DOH; and

* Requires compliance with the approved Site Management Plan.

Box 4**Description of Engineering Controls**

Parcel

Engineering Control

60-15950-14

Vapor Mitigation
Cover System

* A site cover is required to allow for restricted residential use of the site. The cover consists of structures such as buildings, pavement and sidewalks comprising the site development, or a soil cover in areas where the upper two feet of exposed surface soil exceeds the applicable soil cleanup objectives (SCOs). The soil cover is a minimum of two feet of soil meeting the SCOs set forth in 6 NYCRR Part 375-6.7(d) for restricted residential use. The soil cover is placed over a demarcation layer, with the upper six inches of soil of sufficient quality to maintain a vegetation layer. Fill material brought to the site meets the requirements set forth in 6 NYCRR Part 375-6.7(d).

* On-site buildings constructed at site will have a sub-slab depressurization system (SSDS), or a similar engineered system, to prevent migration of vapors into the buildings.

60-15950-24

Vapor Mitigation
Cover System

* A site cover is required to allow for restricted residential use of the site. The cover consists of structures such as buildings, pavement and sidewalks comprising the site development, or a soil cover in areas where the upper two feet of exposed surface soil exceeds the applicable soil cleanup objectives (SCOs). The soil cover is a minimum of two feet of soil meeting the SCOs set forth in 6 NYCRR Part 375-6.7(d) for restricted residential use. The soil cover is placed over a demarcation layer, with the upper six inches of soil of sufficient quality to maintain a vegetation layer. Fill material brought to the site meets the requirements set forth in 6 NYCRR Part 375-6.7(d).

* On-site buildings constructed at site will have a sub-slab depressurization system (SSDS), or a similar engineered system, to prevent migration of vapors into the buildings.

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO
 ☒ ☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

(a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO
 ☒ ☐

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C241141

Box 6

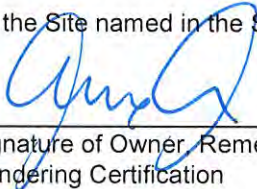
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I ALEX ARKER at 1044 Northern Blvd, Roslyn, NY 11576
print name print business address

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.


Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

6/3/19
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Ariel Czemerinski at AMC Engineering,
print name print business address

am certifying as a Professional Engineer for the Owner
(Owner or Remedial Party)

A Czemerinski
Signature of Professional Engineer, for the Owner or
Remedial Party, Rendering Certification



6/20/19
Date

34-11 BEACH CHANNEL DRIVE SITE
34-11 BEACH CHANNEL DRIVE, FAR ROCKAWAY, NEW YORK 11691

PERIODIC REVIEW REPORT

NYSDEC BCP Number: C241141

Submitted to:



**New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
47-40 21st Street
Long Island City, NY 11101-5407**



AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

REPORTING PERIOD:
APRIL 20, 2018 TO APRIL 20, 2019

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(April 20, 2018 to April 20, 2019)
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Graph 3	15MW3 VOCs (December 2015 to December 2018)

FIGURES

Figure 1	Site Location Map
Figure 2	Site Plan
Figure 3	Injection and Monitoring Well Locations
Figure 4	Groundwater Elevation and Flow Map

APPENDICES

Appendix A	Annual Checklist
Appendix B	Corrective Measures Work Plan
Appendix C	Laboratory Reports
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I. EXECUTIVE SUMMARY

AMC Engineering, PLLC (AMC) has prepared the following Periodic Review Report for the time period of April 20, 2018 to April 20, 2019, for the properties located at 34-11 Beach Channel Drive in Far Rockaway, New York 11961 under the New York State (NYS) Brownfield Cleanup Program (BCP) administered by the New York State Department of Environmental Conservation (NYSDEC).

Primary chemicals of concern at the site along the eastern side of the property were Chlorinated Volatile Organic Compounds and associated breakdown products in soil, groundwater and soil vapor. VOC contamination was also encountered at depths 22 to 37 ft below grade surface, and within a clayey layer. Since shallow contamination had not been found, it is assumed that TCE originated in lot 42 (east of the subject site), sank as DNAPL, and then migrated horizontally to the subject site. The Site was remediated in accordance with the Brownfield Cleanup Agreement (BCA) #C241141. Remedial Action at the Site performed under a Remedial Action Work Plan, included the excavation and disposal of soil/fill to a minimum depth of 4 feet below grade, the removal of twenty-two underground storage tanks, the injection of chemical oxidants, minor dewatering during remediation, the construction of a composite cover and installation of a sub-slab depressurization system.

Three site inspections were performed during the current reporting period to certify existing on-site engineering controls. The concrete slab installed above the vapor barrier was inspected for evidence of cracking. The sub-slab depressurization (SSD) system was inspected for necessary components. As of the most recent inspection dated 6/20/2019, the concrete slab is intact, and all elements for the SSD system are in place and working properly. All fans, vacuum gauges, and alarms are present and functioning.

The Site Management Plan specifies quarterly groundwater sampling from three on-Site monitoring wells (15MW1, 15MW2 and 15MW3) on a quarterly basis. Monitoring wells were sampled in September 2016, December 2016, March 2017, June 2017, September 2017, December 2017 and March 2018. No groundwater sample was obtained from 15MW3 in June 2017 due to on-going building construction.

For the current reporting period, wells were sampled in June 2018, September 2018, and December 2018. Sampling requirements have been switched to be biannual as of the latter half of 2018 meaning that samples were not collected for the first quarter of 2019. Samples will be collected for the second and fourth quarter of 2019, and their results will be reported in the following Periodic Review Report.

As previously reported, the highest concentration of CVOCs in groundwater was noted in 15MW3 (29,075 µg/L, March 2017). The elevated CVOC concentration was primarily attributed to cis-1,2-dichloroethene (21,000 µg/L), trichloroethene (2,300 µg/L), and vinyl chloride (5,600 µg/L). The elevated CVOC concentrations returned to typical concentrations over the next three sampling events. This trend of decrease continues in the three samples collected in the current reporting period. Overall, the total CVOC concentration for 15MW3 has decreased from 611 µg/L in the December 2015 sampling event to 28.04 µg/L in the March 2018 sampling event to 5.90 µg/L in the most recent December 2018 sampling event.



As previously reported, little or no PVOCs were detected within all three monitoring wells except for 15MW2 (42,660 µg/L, June 2017). The spike in PVOC concentration was primarily associated with ethyl benzene, isopropylbenzene, total xylenes and toluene. The PVOCs that were identified during the June 2017 sampling were not detected above laboratory reporting limits over the next three quarterly sampling events or within the most recent three sampling events that comprise the current reporting period.

Overall, the total VOCs concentration decreased from the December 2015 sampling event to the December 2018 sampling event in all monitoring wells.



II. SITE OVERVIEW

A. Site Location

The Site is located in Queens, Queens County, New York and is identified as Block 15950 and Lots 1001, 1002, and 1003 (formerly Lot 14) on the New York City Tax Map (see **Figure 1** - Location Map).

The Site is 36,657 sf (0.84-acre) and is bounded by Far Rockaway Boulevard to the north and northwest, Beach Channel Drive to the northwest, Rockaway Freeway and the Manhattan Transit Authority A-Line to the south, and a vacant lot (Lot 29) to the east (**Figure 2**). The Site is now developed with a new 7-story mixed use (residential and commercial building). The building does not have a basement.

B. Site Chronology

The Remedial Action for the Site was performed in accordance with the remedy selected by the NYSDEC in the Decision Document dated June 2, 2015 and in accordance with the BCA, Index No. C231084-10-13, dated November 6, 2013. The selected remedy achieved a Track 4 Cleanup and included the following items:

- Removal of underground storage tanks (USTs) from Lot 14, and the remediation of any grossly contaminated soil and groundwater resulting from leakage of the UST, if present;
- Excavation of the upper two feet of soil/fill that exceeds the Restricted Residential Use Soil Cleanup Objectives (RRUSCO) and appropriate off-site disposal, including all grossly contaminated soil. Collection of confirmation soil samples to verify compliance with the RRUSCOs. All clean fill brought to the site will meet the requirements of 6 NYCRR Part 375-6.7(d);
- Construction of a site cover to allow for restricted residential use of the site that consists either of structures such as buildings, pavement, sidewalks or clean soil in areas where the upper two feet of exposed surface soil exceeds the applicable SCOs. The soil cover will be placed over a demarcation layer, with the upper six inches of the soil of sufficient quality to maintain a vegetation layer;
- Implementation of In-Situ Chemical Oxidation (ISCO) to treat chlorinated volatile organic compounds (VOCs) in soil and groundwater along the eastern property line where chlorinated VOCs were elevated in groundwater;
- Any future buildings constructed at the site will have a sub-slab depressurization system, or similar engineered system, to prevent the migration of vapors into the buildings from soil and/or groundwater;
- Imposition of an institutional control in the form of environmental easement that requires periodic certification, allows use of property for restricted residential, restricts use of groundwater as source of potable or process water, and requires compliance with the approved Site Management Plan (SMP).



III. REMEDY PERFORMANCE, EFFECTIVENESS & PROTECTIVENESS

Remedial Action at the Site performed under a Remedial Action Work Plan, included the excavation and disposal of soil/fill to a minimum depth of 4 feet below grade, the removal of twenty-two underground storage tanks, and the injection of chemical oxidants utilizing Geoprobe drilling equipment along the eastern portion of the Site from December 2015 to July 2016. The ten injection points were performed in two designated zones (Zone 1 and Zone 2) up-gradient of the primary source areas and in the residual contamination zone (**Figure 3**).

Sodium permanganate was delivered to the site as a 40% solution in 55-gallon poly drums. Potassium permanganate cylinders (measuring 2" wide by 18" tall) were delivered to the site in boxes, in sets of 6 cylinders per box. Prior to the injections, the oxidant was diluted from a 40% solution to a 12% solution. The dilution consisted of approximately 80 gallons of oxidant, mixed with approximately 160 gallons of water. Injections in Zone 1 were started on December 18, 2015 and performed from 20 to 35 feet below grade at 5 locations, spaced 10 feet apart. Approximately 375 gallons of 12% solution was injected at each location. The permanganate cylinders were installed on days subsequent to the liquid injections. Injections in Zone 2 were started on January 2, 2016 and were performed from 20 to 35 feet below grade at 5 locations, spaced 10 feet apart. Approximately 232 gallons of 12% solution was injected at each location. The permanganate cylinders were installed on days subsequent to the liquid injections.

Injections were completed as of July 2016. No chemical oxidant injections were performed during the time period of this Periodic Review Report.

Groundwater

Groundwater monitoring to assess the effectiveness of the remedy was completed in August 2016 and has been conducted on a quarterly basis since. To assist in the evaluation of VOCs in groundwater, sum total values are provided in **Tables 1A, 1B, and 1C** for VOCs, chlorinated VOCs and petroleum VOCs for all sampled monitoring wells. The totals for petroleum VOCs include only those compounds associated with gasoline contamination. Copies of the groundwater purge logs are attached as **Appendix D**.

Monitoring wells 15MW1, 15MW2 and 15MW3 are located within the eastern portion of the site immediately down gradient of the VOCs source area and injection point areas.

As shown in **Tables 1A, 1B, and 1C**, the highest concentrations of PVOCs in groundwater were reported in 15MW2 and the highest concentrations of CVOCs in groundwater were reported in 15MW3.

Post Injection Sampling (August 2016)

All three monitoring wells exhibited elevated levels of the VOCs above the Groundwater Quality Standards (GQS): cis-1,2-Dichloroethene (300 µg/L, 25 µg/L, and 72 µg/L), trans,1,2-dichloroethene (22 µg/L, 5.5 µg/L, and 1 µg/L), and vinyl chloride (420 µg/L, 240 µg/L, and 49 µg/L), respectively for 15MW1, 15MW2, and 15MW3. Additionally, slightly elevated levels of benzene (1.1 µg/L, 1.1



µg/L, and 0.49 µg/L) were detected respectively for 15MW1, 15MW2, and 15MW3. Total VOC concentrations ranged from 122.8 µg/L (15MW3) to 747.7 µg/L (15MW1).

When compared to the pre-injection conditions, all measurable VOCs concentrations were lower during the August 2016 sampling event, in all of the monitoring wells.

Quarterly Sampling Results

15MW1

The total VOC concentration decreased from a pre-injection concentration of 11,139.20 µg/L in December 2015 to 379.66 µg/L in September 2016 to 26.87 µg/L in March 2018 to the most recent 9.13 µg/L recorded in December 2018. Over the past three quarterly sampling events only benzene, cis-1,2-dichloroethene, and vinyl chloride have been reported above GQS with only benzene appearing over the limit in the most recent sampling event.

15MW2

The total VOC concentration decreased from a pre-injection concentration of 1,998 µg/L in December 2015 to 184.11 µg/L in September 2016 to 42.67 µg/L in March 2018 to the most recent 22.66 µg/L recorded in December 2018. Over the past three quarterly sampling events only vinyl chloride has been reported above the GQS.

15MW3

The total VOC concentration decreased from a pre-injection concentration of 638.3 µg/L in December 2015 to 46.4 µg/L in September 2016 to 28.64 µg/L in March 2018 to the most recent 9.88 µg/L recorded in December 2018. Over the past three quarterly sampling events only benzene, cis-1,2-dichloroethene, and vinyl chloride have been reported above GQS with only vinyl chloride appearing over the limit in the most recent sampling event.

Protection

A 20 mil polyethylene / EVOH resin liner system (VBP 20Plus) as manufactured by Raven Industries was installed beneath the entire footprint of the building prior to pouring the concrete slab. The vapor barrier extends throughout the occupied area of each of the new buildings.

An SSD system is installed beneath the occupied portions of the building. The SSD system beneath the building consists of six separate venting zones. Each zone provides coverage of approximately 4,000 sf of slab area. The horizontal vent line is constructed of perforated 4-inch HDPE pipe. In each zone the horizontal pipe connects to a common 6-inch cast iron line that runs vertically to the roof. Virgin-mined, ¾ inch gravel was placed around the horizontal vent piping and in a 2 inch layer beneath the entire slab.



IV. IC/EC PLAN COMPLIANCE REPORT

A1. IC Requirements and Compliance

1. IC Controls

A series of Institutional Controls (ICs), required under the Site Management Plan, were placed on the property in the form of an Environmental Easement which was recorded with the NYC Department of Finance, Office of the City Register (NYSDOF-OCR). The recorded ICs are as follows:

- requires the periodic certification of ICs and ECs in accordance with Part 375-1.8(h)(3);
- allows use of property for restricted residential, commercial and industrial uses as defined by Part 375-1.8(g), subject to local zoning laws;
- restricts use of groundwater as potable or process water without necessary treatment as determined by NYSDOH or County DOH; and
- requires compliance with the NYSDEC approved Site Management Plan that includes an IC and EC Plan, an Excavation Plan, a Monitoring Plan and an Operation and Maintenance (O&M) Plan.

Adherence to these Institutional Controls on the Site (Controlled Property) is required under the Environmental Easement and will be implemented under the Site Management Plan.

2. Status of each IC

An inquiry was made with the NYCDOF-OCR to confirm that the Environmental Easement, as described above, remains in place and has not been changed, revised or modified.

3. Corrective Measures

No deficiencies in the ICs were noted for this time period, therefore no corrective measures were required.

4. IC Conclusions and Recommendations

It is recommended that the Institutional Controls remain in place.



A2. EC Requirements and Compliance

The ECs for the Site are a cover system and sub-slab depressurization system (SSDS), which are discussed below.

1. EC Controls

Composite Cover System

Exposure to remaining contamination in soil/fill at the Site is prevented by a composite cover system placed over the Site. This cover system is comprised of 6" concrete building slabs and 4" asphalt driveways/parking areas throughout the Site.

Sub-Slab Depressurization System

The SSDS beneath the building consists of six separate venting zones. Each zone provides coverage of 4,000 sf of slab area. The horizontal vent line is constructed of perforated 4-inch HDPE pipe. In each zone the horizontal pipe connects to a common 6-inch cast iron line that runs vertically to the roof. Virgin-mined, ¾ inch gravel was placed around the horizontal vent piping and in a 2 inch layer beneath the entire slab.

2. Status of each EC

Three inspections were performed for the current reporting period on May 30, 2019; June 10, 2019; and June 20, 2019. Deficiencies in the engineering controls were identified during the first two inspections. A Corrective Measures Work Plan was filed with the NYSDEC on June 10, 2019 outlining these deficiencies and the measures that would be taken to correct them. At the time of the most recent inspection, all engineering controls were working as required. Copies of the Annual Checklists are attached as **Appendix A**.

Composite Cover System

- May 30 – Various pipe penetrations were observed through the interior slab. Cracking in the slab around these pipes were noted and pipes lacked proper cover.
- June 10 – Majority of pipes that were penetrating the slab were now properly covered. Concrete around pipes were patched.
- June 20 – All pipe penetrations sealed/protected. Interior slab now in a satisfactory condition. Exterior slab is also in a good condition.

Sub-Slab Depressurization System

- May 30 – All venting zones were inspected. Each zone had a riser free from leaks, a functioning RadonAway RP265c fan, and an alarm. All alarms were functioning properly except for the one present in Zone 3. The alarm would emit light when tripped but would fail to emit sound as it should. Furthermore, none of the risers were equipped with a magnehelic gauge to read riser vacuum.
- June 10 – Inspection oversaw the successful installation of six magnehelic gauges. Alarm in Zone 3 remained dysfunctional.
- June 20 – All SSD system elements in place and functioning. Zone 3 alarm working properly.



3. *Corrective Measures*

A Corrective Measures Work Plan was filed with the NYSDEC and followed through with between the time of the June 10 inspection and the June 20 inspection. A copy of this document is attached as **Appendix B**.

4. *EC Conclusions and Recommendations*

During the reporting period, several deficiencies in the engineering controls were identified and corrected. All controls are currently in place, functioning, and in compliance with the Site Management Plan.

It is recommended that the ECs remain in place, unless otherwise specified by the NYSDEC.



B. IC/EC Certification

I, Ariel Czemerinski, am currently a registered professional engineer licensed by the State of New York. I have inspected the Engineering Controls for the 34-11 Beach Channel Drive Site (NYSDEC Site No. C241141).

I certify that the Engineering Controls, consisting of a sub-slab depressurization system and a vapor barrier remain in-place and the systems are performing as designed *with the exception of the EC deficiencies noted above*, and nothing has occurred *with the exception of the EC deficiencies noted above*, which would impair the ability of the controls to protect the public health and the environment, or that would constitute a violation or failure to comply with any operation and maintenance of such controls.

I certify that access is available to the NYSDEC and the NYSDOH to evaluate continued maintenance of the Engineering Controls.

I certify that the Institutional Controls in the form of an environmental easement recorded with the NYC Department of Finance, Office of the City Register, remains in place, is unchanged from the previous certification and that the current site usage is in compliance with the environmental easement.

Ariel Czemerinski _____
NYS Professional Engineer #

6/20/19 _____
Date



V. MONITORING PLAN COMPLIANCE REPORT

A. Components of the Monitoring Plan

The Monitoring Plan within the Site Management Plan describes the measures for evaluating the performance and effectiveness of the remedy to reduce or mitigate contamination at the site, the soil cover system, and all affected site media identified below. Monitoring of other Engineering Controls is described in Chapter 4, Operation, Monitoring and Maintenance Plan.

Groundwater samples are to be collected from the on-Site monitoring well network on a quarterly basis. Sampling is to be conducted in accordance with the previously approved Site Management Plan, and groundwater samples are to be analyzed for volatile organic compounds via EPA Method 8260.

B. Summary of Monitoring Completed During Reporting Period

As part of the SMP, monitoring wells 15MW1 to 15MW3 were sampled quarterly. Groundwater quality was monitored during this time period by sampling the on-Site monitoring wells in June 2019, September 2018, and December 2018. However, no groundwater samples were obtained in March 2019 due to sampling requirements changing to be biannual.

Copies of the groundwater purge logs are attached as **Appendix D**.

Prior to sampling each monitoring well, depth to bottom and depth to water measurements were collected utilizing a decontaminated electronic water level probe. This data was then used to calculate the volume of water to be removed from each monitoring well prior to sampling. A total of approximately 3-5 well casing volumes were removed from each monitoring well utilizing a peristaltic pump equipped with disposable polyethylene tubing. Groundwater samples were then collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted for analysis to Phoenix Environmental Laboratories (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301) for laboratory analysis of volatile organic compounds (VOCs) via EPA method 8260.

Groundwater sample results were compared to the water quality standards specified in New York State 6NYCRR Part 703.5 Class GA Groundwater Quality Standards (GQS). Analytical data for the groundwater samples for this time period and comparisons to previous data are summarized in **Tables 1A, 1B and 1C**. Copies of the laboratory analytical reports are included in **Appendix C**. The total PVOCs, total CVOCs and total VOC concentrations are shown in **Graphs 1-3** for visual comparison.

C. Comparisons with Remedial Objectives

As shown in **Tables 1A, 1B and 1C**, the highest concentration of CVOCs in groundwater were reported in 15MW3 (29,075 µg/L, March 2017). The elevated CVOC concentration detected was primarily attributed to cis-1,2-dichloroethene (21,000 µg/L), trichloroethene (2,300 µg/L) and vinyl chloride (5,600 µg/L). The elevated CVOC concentrations identified during the March 2017 returned to typical concentrations over the next three sampling events. The total CVOC concentration for



15MW3 has decreased from 611 µg/L in the December 2015 event to 28.04 µg/L in the March 2018 sampling event to 5.90 µg/L in the December 2018 sampling event.

Little or no PVOCs were detected within all three monitoring wells except for 15MW2 (42,660 µg/L, June 2017). The spike in PVOC concentration was primarily associated with ethyl benzene, isopropylbenzene, total xylenes and toluene. The PVOCs that were identified during the June 2018 sampling were not detected above laboratory reporting limits over the next three quarterly sampling events.

In the three most recent sampling events, exceedances remain for benzene, cis-1,2-dichloroethene, and vinyl chloride as compared to the NYSDEC Groundwater Quality Standards.

D. Monitoring Deficiencies

While not a deficiency, it should be noted that well monitoring didn't occur during March 2019 due to a change in sampling requirements to biannual sampling.

E. Conclusions and Recommendations

Total VOC concentrations remained low for the reporting period as they had during the latter months of the previous reporting period. Although there was a spike in CVOC concentrations during the March 2017 sampling event and in PVOC concentrations during the June 2017 sampling event the following sampling events returned to typical VOC concentrations. Overall, the total VOCs concentration decreased from the December 2015 sampling event to the December 2018 sampling event in all monitoring wells.



VI. OPERATIONS & MAINTENANCE PLAN COMPLIANCE REPORT

A. Components of the O&M Plan

The Operation and Maintenance Plan describes the measures necessary to operate and maintain the sub-slab vapor depressurization system, concrete slab, and vapor barrier for the Site.

1. Sub-Slab Vapor Barrier

The sub-slab vapor barrier is not part of the approved remedy (i.e. an engineering control), but rather a component of standard building construction. The sub-slab vapor barrier is to be maintained and patched as needed should any penetrations occur. If any significant penetrations through the slab are needed for future construction, care will be taken to minimize damage to the vapor barrier so that an adequate patch can be installed following completion of construction activities. Repairs of the vapor barrier will be observed and documented by a licensed professional engineer or a field inspector under the direct supervision of a licensed professional engineer. The concrete pad should be maintained to prevent cracks and other integrity damages. The pad is to be inspected semi-annually. In the event there is damage or construction on or near the pad, the owner and/or owner's representative and AMC will be notified to properly evaluate and repair if required.

2. Sub-Slab Depressurization System

The sub-slab vapor depressurization system is currently in place. The SSD system beneath the building consists of six separate venting zones. Each zone contains a riser, operational fan, and operational alarm. Damage to SSD elements is to be noted during inspections, with the owner and/or owner's representative and AMC being notified to properly evaluate and repair if required.

3. Monitoring Well Maintenance

If biofouling or silt accumulation has occurred in the on-Site and/or off-Site monitoring wells, the wells will be physically agitated/surged and redeveloped. Additionally, monitoring wells will be properly decommissioned and replaced (as per the Monitoring Plan), if an event renders the wells unusable. In addition, monitoring well caps and cover will be replaced and repaired.

4. Reporting

A checklist is to be completed during each routine maintenance event which is scheduled to be on a semi-annual basis. Checklists/forms will include, but not be limited to the following information:

- Date;
- Name, company, and position of person(s) conducting maintenance;
- Activities;
- Maintenance activities conducted;



- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet); and
- Other documentation such as copies of invoices for maintenance work, receipts for replacement equipment, etc., (attached to the checklist/form).

During each non-routine maintenance event, a form is to be completed that includes, but is not limited to, the following information:

- Date;
- Name, company, and position of person(s) conducting non-routine maintenance/repair activities;
- Presence of leaks;
- Date of leak repair;
- Other repairs or adjustments made to the system;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents (included either on the form or on an attached sheet); and,
- Other documentation such as copies of invoices for repair work, receipts for replacement equipment, etc. (attached to the checklist/form).

5. *Contingency Plan*

Emergencies may include fire or explosion, environmental release, or serious weather conditions. There is one alarm on the sub-slab depressurization system to visually and audibly alert that the fan has stopped. The fans should only cease should there be a power outage or blockage. In the event the system failure alarm goes off, the owner or owner's representative and AMC will be contacted for repairs.

B. **Summary of O&M Completed During Reporting Period**

1. *Vapor Barrier*

The concrete pad installed above the vapor barrier was inspected for evidence of new penetrations on May 30, 2018. Pipe penetrations and cracking of the slab were observed. Repairs were completed by the time of inspection on June 20, 2019.

2. *Sub-Slab Depressurization System*

The sub-slab vapor depressurization system was inspected for presence of required system elements. Gauges were not installed on risers and an alarm needed to be replaced. Installations and replacements were completed by the time of inspection on June 20, 2019



C. Evaluation of Remedial Systems

1. Vapor Barrier

As of the time of this submission, the vapor barrier is in place and functioning as intended.

2. Sub-Slab Depressurization System

As of the time of this submission, the vapor barrier is in place and functioning as intended.

D. O&M Deficiencies

As of the time of this submission, no deficiencies exist at this Site.

E. Conclusions and Recommendations for Improvements

Continue to monitor the sub-slab vapor depressurization system, concrete slab, and vapor barrier during routine inspections of the Site.



VII. OVERALL PRR CONCLUSIONS AND RECOMMENDATIONS

A. Compliance with SMP

All requirements of the SMP were implemented during this PRR reporting period. In order to implement all of the SMP requirements, the following items were completed:

- Groundwater samples were collected from the on-Site monitoring wells in June 2018, September 2018, and December 2018.
- The concrete slab was inspected and the inspection checklist was completed.
- The sub-slab depressurization system was inspected to ensure proper operation and the inspection checklist was completed.
- The ICs/ECs were inspected and the ICs were certified by the remedial engineer. All reported EC deficiencies observed have been repaired, and therefore certified by the remedial engineer.

B. Performance and Effectiveness of Remedy

The institutional and engineering controls, the monitoring plan and the OM&M plan for the site are performing effectively in addressing the remedial objectives for the site. Overall, concentration of total VOCs in on-Site groundwater from December 2015 to December 2018 appear to be decreasing.

C. Future PRR Submittals

The next PRR submittal will reflect the PRR reporting period of April 20, 2019 to April 20, 2020. No changes are proposed to the frequency of PRR submittals.



TABLES / GRAPHS



TABLE 1A
34-11 Beach Channel Drive Site
34-11 Beach Channel Drive, Far Rockaway, New York
Groundwater Analytical Results
Volatile Organic Compounds
15MW1

Compound	NYSDEC Groundwater Quality Standards	15MW1																							
		12/18/2015		8/5/2016		9/20/2016		12/20/2016		3/27/2017		6/8/2017		9/18/2017		12/13/2017		3/23/2018		6/15/2018		9/19/2018		12/10/2018	
		µg/L	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result
1,1,1,2-Tetrachloroethane	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,1,1-Trichloroethane	5	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0
1,1,2,2-Tetrachloroethane		<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,1,2-Trichloroethane	1	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.3	1.3	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	<1.0	1.0	<1.0	1.0
1,1-Dichloroethane	5	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0
1,1-Dichloroethene	5	8.2	5.0	1.1		0.78	1.0	<1.0	1.0	1.4	5.0	0.58	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<1.0	1.0
1,1-Dichloropropene		<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,2,3-Trichlorobenzene		<20	20	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<0.25	0.25	<0.25	0.25	<1.0	1.0	<1.0	1.0
1,2,3-Trichloropropane	0.04	<5.0	5.0	<1.0	1.0	<1.0	1.0	<0.25	0.25	<1.3	1.3	<0.25	0.25	<0.25	0.25	<0.25	0.25	<1.0	1.0	<1.0	1.0	<0.25	0.25	<0.25	0.25
1,2,4-Trichlorobenzene		<20	20	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	0.29	1.0	0.29	1.0	<1.0	1.0	<1.0	1.0
1,2,4-Trimethylbenzene	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<0.50	0.50	<0.50	0.50	<1.0	1.0	<1.0	1.0
1,2-Dibromo-3-chloropropane	0.04	<10	10	<1.0	1.0	<1.0	1.0	<0.50	0.50	<2.5	2.5	<0.50	0.50	<0.50	0.50	<0.50	0.50	<0.25	0.25	<0.25	0.25	<0.50	0.50	<0.50	0.50
1,2-Dibromoethane		<5.0	5.0	<1.0	1.0	<1.0	1.0	<0.25	0.25	<1.3	1.3	<0.25	0.25	<0.25	0.25	<0.25	0.25	<1.0	1.0	<1.0	1.0	<0.25	0.25	<0.25	0.25
1,2-Dichlorobenzene	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<4.7	4.7	<1.0	1.0	<1.0	1.0	<1.0	1.0	<0.60	0.60	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,2-Dichloroethane	0.6	<5.0	5.0	<0.60	0.60	<0.60	0.60	<0.60	0.60	<2.5	2.5	<0.60	0.60	<0.60	0.60	<0.60	0.60	<1.0	1.0	<1.0	1.0	<0.60	0.60	<0.60	0.60
1,2-Dichloropropane	0.94																								

Notes:
RL - Reporting Limit
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

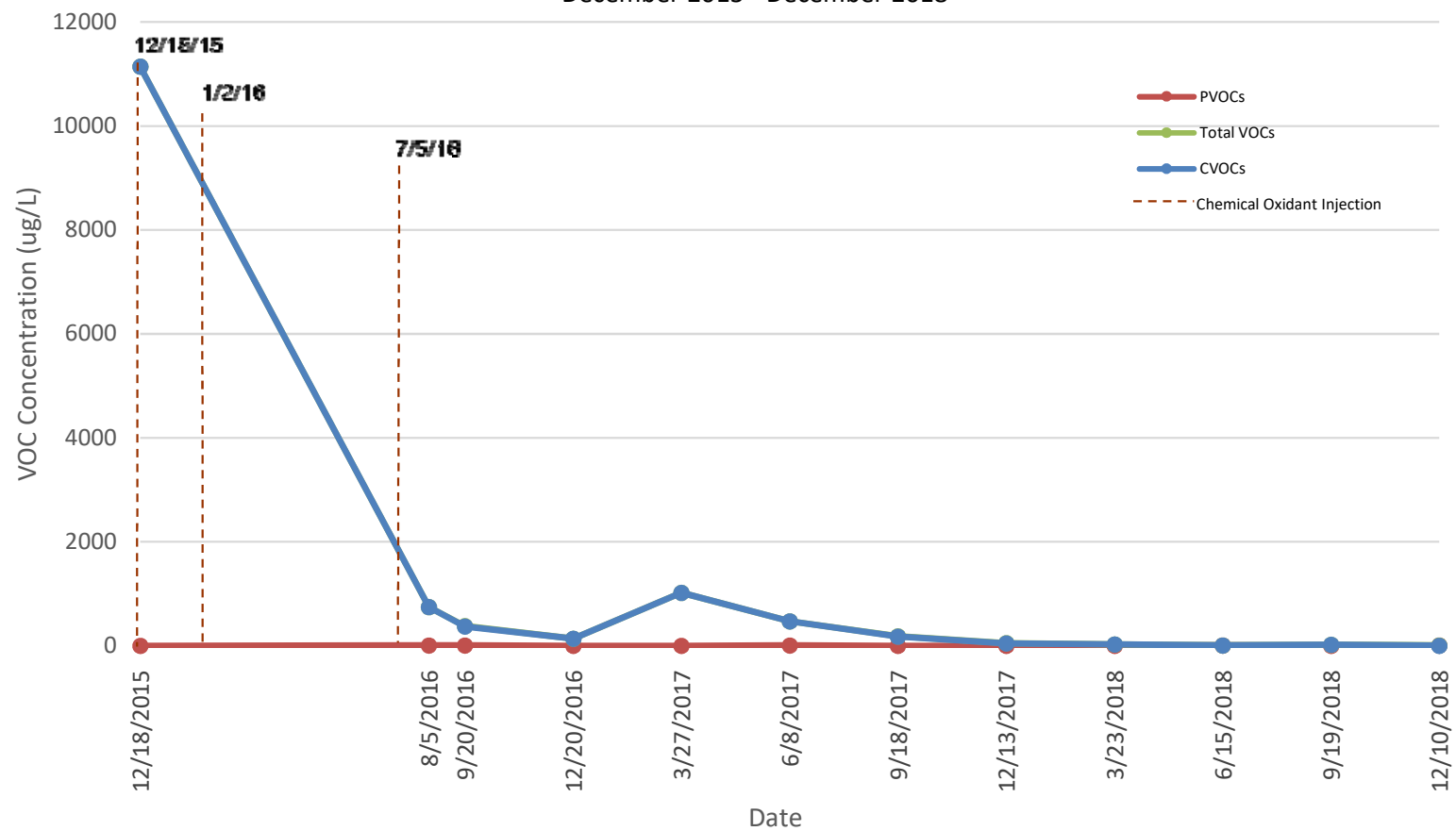
TABLE 1B
34-11 Beach Channel Drive Site
34-11 Beach Channel Drive, Far Rockaway, New York
Groundwater Analytical Results
Volatile Organic Compounds
15MW2

Compound	NYSDEC Groundwater Quality Standards	15MW2																							
		12/18/2015		8/5/2016		9/20/2016		12/20/2016		3/27/2017		6/8/2017		9/18/2017		12/13/2017		3/23/2018		6/15/2018		9/19/2018		12/10/2018	
		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Result	RI	Result	RI	Result	RI	Result	RI	Result	RI	Result	RI	Result	RI	Result	RI	Result	RI	Result	RI	Result	RI	Result	RI
1,1,1,2-Tetrachloroethane	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,1,1-Trichloroethane	5	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0
1,1,2,2-Tetrachloroethane	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,1,2-Trichloroethane	1	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<1.3	1.3	<1.0	1.0	<5.0	5.0	<5.0	5.0	<1.0	1.0	<1.0	1.0
1,1-Dichloroethane	5	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0
1,1-Dichloroethene	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,1-Dichloropropene		<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,2,3-Trichlorobenzene		<20	20	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<20	20	<5.0	5.0	<1.0	1.0	<0.25	0.25	<0.25	0.25	<1.0	1.0	<1.0	1.0
1,2,3-Trichloropropane	0.04	<5.0	5.0	<1.0	1.0	<1.0	1.0	<0.25	0.25	<0.25	0.25	<5.0	5.0	<1.3	1.3	<0.25	0.25	<1.0	1.0	<1.0	1.0	<0.25	0.25	<0.25	0.25
1,2,4-Trichlorobenzene		<20	20	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<20	20	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,2,4-Trimethylbenzene	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	<1.0	1.0	<0.50	0.50	<0.50	0.50	<1.0	1.0	<1.0	1.0
1,2-Dibromo-3-chloropropane	0.04	<10	10	<1.0	1.0	<1.0	1.0	<0.50	0.50	<0.50	0.50	<10	10	<2.5	2.5	<0.50	0.50	<0.25	0.25	<0.25	0.25	<0.50	0.50	<0.50	0.50
1,2-Dibromoethane		<5.0	5.0	<1.0	1.0	<1.0	1.0	<0.25	0.25	<0.25	0.25	<5.0	5.0	<1.3	1.3	<0.25	0.25	<1.0	1.0	<1.0	1.0	<0.25	0.25	<0.25	0.25
1,2-Dichlorobenzene	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<4.7	4.7	<1.0	1.0	<0.60	0.60	<0.60	0.60	<1.0	1.0	<1.0	1.0
1,2-Dichloroethane	0.6	<5.0	5.0	<0.60	0.60	<0.60	0.60	<0.60	0.60	<0.60	0.60	<10	10	<2.5	2.5	<0.60	0.60	<1.0	1.0	<1.0	1.0	<0.60	0.60	<0.60	0.60
1,2-Dichloropropene	0.94	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<1.3	1.3	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,3,5-Trimethylbenzene	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,3-Dichlorobenzene	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	4.40	4.0	<1.0	1.0	<5.0	5.0	<3.0	3.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,3-Dichloropropane	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,4-Dichlorobenzene	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	<1.0	1.0	<1.0	1.0
1,4-dioxane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	100	<100	100	<100	100
2,2-Dichloropropane	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
2-Chlorotoluene	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	<1.0	1.0	<2.5	2.5	<2.5	2.5	<2.5	2.5	<1.0	1.0
2-Hexanone (Methyl Butyl Ketone)		<50	50	<2.5	2.5	<2.5	2.5	<2.5	2.5	<2.5	2.5	<50	50	<13	13	<2.5	2.5	<5.0	5.0	<5.0	5.0	<1.0	1.0	<2.5	2.5
2-Isopropyltoluene	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
4-Chlorotoluene	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	<1.0	1.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
4-Methyl-2-Pentanone		<50	50	<2.5	2.5	<2.5	2.5	<2.5	2.5	<2.5	2.5	<50	50	<13	13	<2.5	2.5	<13	13	<2.5	2.5	<2.5	2.5	<2.5	2.5
Acetone		<50	50	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<50	50	17.00	25	16	5.0	<5.0	5.0	15	5.0	<10	10	8.9	5.0
Acrolein		<50	50	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<50	50	<13	13	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0
Acrylonitrile	5	<50	50	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<50	50	<13	13	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0
Benzene	1	<5.0	5.0	<1.0	0.70	0.80	0.70	0.77	0.70	0.74	0.70	<5.1	5.0	<1.3	1.3	0.38	0.70	<0.70	0.70	<0.70	0.70	<0.70	0.70	0.35	0.70
Bromobenzene	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
Bromochloromethane	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
Bromodichloromethane		<20	20	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<20	20	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
Bromofom		<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<50	50	<25	25	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0
Bromomethane	5	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0
Carbon Disulfide	60	<20	20	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<20	20	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
Carbon tetrachloride	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
Chlorobenzene	5	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0
Chloroethane	5	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0
Chloroform	7	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<7.0	7.0	<7.0	7.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0
Chloromethane	60	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0
cis-1,2-Dichloroethene	5	1400	5.0	25	1.0	18	1.0	10	5.0	5.60	1.0	12	20	440	20	25	1.0	5.9	1.0	3.7	1.0	0.87	1.0	2.5	1.0
cis-1,3-Dichloropropene		<5.0	5.0	<0.40	0.40	<0.40	0.40	<0.40	0.40	<0.40	0.40	<5.0	5.0	<1.3	1.3	<0.40	0.40	<0.40	0.40	<0.40	0.40	<0.40	0.40	<0.40	0.40
Dibromochloromethane		<20	20	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<20	20	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
Dibromomethane	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
Dichlorodifluoromethane	5	<5.0	5.0	<1.0																					

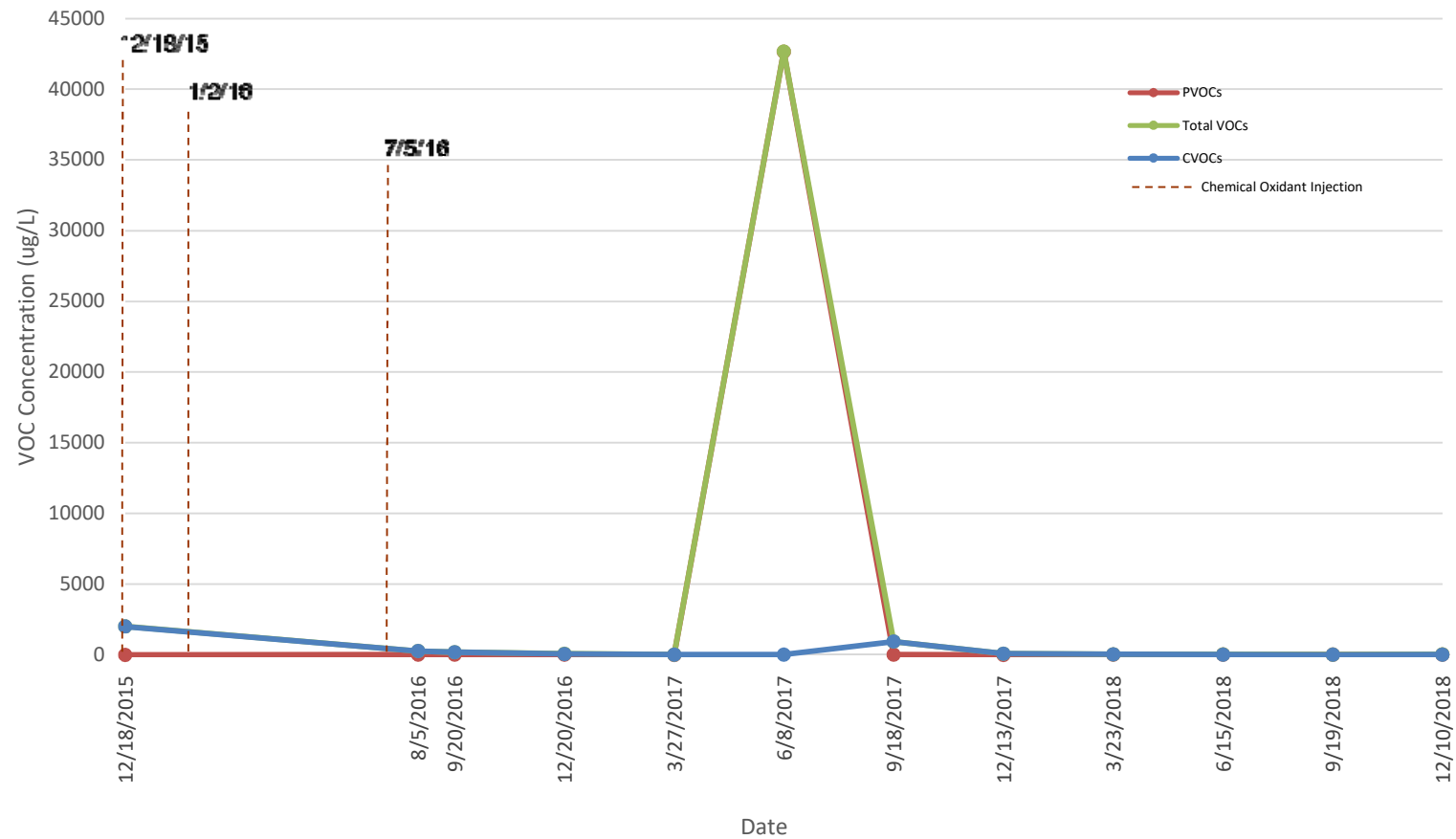
TABLE 1C
34-11 Beach Channel Drive Site
34-11 Beach Channel Drive, Far Rockaway, New York
Groundwater Analytical Results
Volatile Organic Compounds
15MW3

Compound	NYSDEC Groundwater Quality Standards	15MW3																							
		12/18/2015		8/5/2016		9/20/2016		12/20/2016		3/27/2017		6/8/2017		9/18/2017		12/13/2017		3/23/2018		6/15/2018		9/19/2018		12/10/2018	
		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Result	RL	Result	RL	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	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	-	-	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,1,1-Trichloroethane	5	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	-	-	<5.0	5.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0
1,1,2-Trichloroethane	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	-	-	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,2-Trichloroethane	1	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	-	-	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	<1.0	1.0	<1.0	1.0
1,1-Dichloroethane	5	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	-	-	<5.0	5.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0
1,1-Dichloroethene	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	51	5.0	110	5.0	-	-	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,1-Dichloropropene		<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	-	-	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,2,3-Trichlorobenzene		<5.0	5.0	<1.0	1.0	<1.0	1.0	<20	20	<20	20	-	-	<1.0	1.0	<1.0	1.0	<0.25	0.25	<0.25	0.25	<1.0	1.0	<1.0	1.0
1,2,3-Trichloropropane	0.04	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	-	-	<0.25	0.25	<0.25	0.25	<1.0	1.0	<1.0	1.0	<0.25	0.25	<0.25	0.25
1,2,4-Trichlorobenzene		<5.0	5.0	<1.0	1.0	<1.0	1.0	<20	20	<20	20	-	-	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,2,4-Trimethylbenzene	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	-	-	0.32	1.0	<1.0	1.0	<0.5	0.50	<0.5	0.50	<1.0	1.0	<1.0	1.0
1,2-Dibromo-3-chloropropane	0.04	<5.0	5.0	<1.0	1.0	<1.0	1.0	<10	10	<10	10	-	-	<0.50	0.50	<0.50	0.50	<0.25	0.25	<0.25	0.25	<0.50	0.50	<0.50	0.50
1,2-Dibromoethane		<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	-	-	<0.25	0.25	<0.25	0.25	<1.0	1.0	<1.0	1.0	<0.25	0.25	<0.25	0.25
1,2-Dichlorobenzene	5	<4.0	4.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	-	-	<1.0	1.0	<1.0	1.0	<0.60	0.60	<0.60	0.60	<1.0	1.0	<1.0	1.0
1,2-Dichloroethane	0.6	<3.0	3.0	<0.60	0.60	<0.60	0.60	<10	10	<10	10	-	-	<0.60	0.60	<0.60	0.60	<1.0	1.0	<1.0	1.0	<0.60	0.60	<0.60	0.60
1,2-Dichloropropane	0.94	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	-	-	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,3,5-Trimethylbenzene	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	-	-	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,3,5-Trimethylbenzene	5	<3.0	3.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	-	-	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,3-Dichloropropane	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	-	-	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,4-Dichlorobenzene	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	-	-	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,4-dioxane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	100	<100	100	<100	100
2,2-Dichloropropane	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	-	-	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
2-Chlorotoluene	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	-	-	<1.0	1.0	<1.0	1.0	<2.5	2.5	<2.5	2.5	<2.5	2.5	<1.0	1.0
2-Hexanone (Methyl Butyl Ketone)		<13	13	<2.5	2.5	<2.5	2.5	<50	50	<50	50	-	-	<2.5	2.5	<2.5	2.5	<5.0	5.0	<5.0	5.0	<1.0	1.0	<2.5	2.5
2-Isopropyltoluene	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	-	-	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
4-Chlorotoluene	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	-	-	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
4-Methyl-2-Pentanone		<13	13	<2.5	2.5	<2.5	2.5	<50	50	<50	50	-	-	<2.5	2.5	<2.5	2.5	<2.5	2.5	<2.5	2.5	<2.5	2.5	<2.5	2.5
Acetone	15	25	<5.0	5.0	2.7	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	-	-	<5.0	5.0	<5.0	5.0	2.8	5.0	<10	10	3.4	5.0	
Acrolein		<13	13	<5.0	5.0	<5.0	5.0	<50	50	<50	50	-	-	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0
Acrylonitrile	5	<13	13	<5.0	5.0	<5.0	5.0	<50	50	<50	50	-	-	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0
Benzene	1	7.5	3.5	0.49	0.70	0.75	0.70	<5.0	5.0	<5.0	5.0	-	-	2.2	0.70	1.1	0.70	0.6	0.70	0.73	0.70	1.4	0.70	0.58	0.70
Bromobenzene	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	-	-	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
Bromochloromethane	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	-	-	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
Bromodichloromethane		<5.0	5.0	<1.0	1.0	<1.0	1.0	<20	20	<20	20	-	-	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
Bromofom		<25	25	<5.0	5.0	<5.0	5.0	<50	50	<50	50	-	-	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0
Bromomethane	5	<5.0	5.0	<5.0	5.0	<5.0	5.0	<50	5.0	<5.0	5.0	-	-	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0
Carbon Disulfide	60	2.3	5.0	<1.0	1.0	<1.0	1.0	<20	20	<20	20	-	-	0.29	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
Carbon tetrachloride	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	-	-	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
Chlorobenzene	5	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	-	-	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0
Chloroethane	5	20	25	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	-	-	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0
Chloroform	7	<5.0	5.0	<5.0	5.0	<5.0	5.0	<7.0	7.0	<7.0	7.0	-	-	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0
Chloromethane	60	<5.0	5.0	0.3	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	-	-	0.41	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0
cis-1,2-Dichloroethene	5	430	20	72	10	24	10	11,000	100	21,000	250	-	-	29	20	26	10	9	10	6	10	1.4	10	3.3	10
cis-1,3-Dichloropropene		<2.0	2.0	<0.40	0.40	<0.40	0.40	<5.0	5.0	<5.0	5.0	-	-	<0.40	0.40	<0.40	0.40	<0.40	0.40	<0.40	0.40	<0.40	0.40	<0.40	0.40
Dibromochloromethane		<5.0	5.0	<1.0	1.0	<1.0	1.0	<20	20	<20	20	-	-	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
Dibromomethane	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	-	-	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
Dichlorodifluoromethane	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	-	-	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
Ethylbenzene	5	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	5.0	<5.0	5.0	-	-	0.3	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0

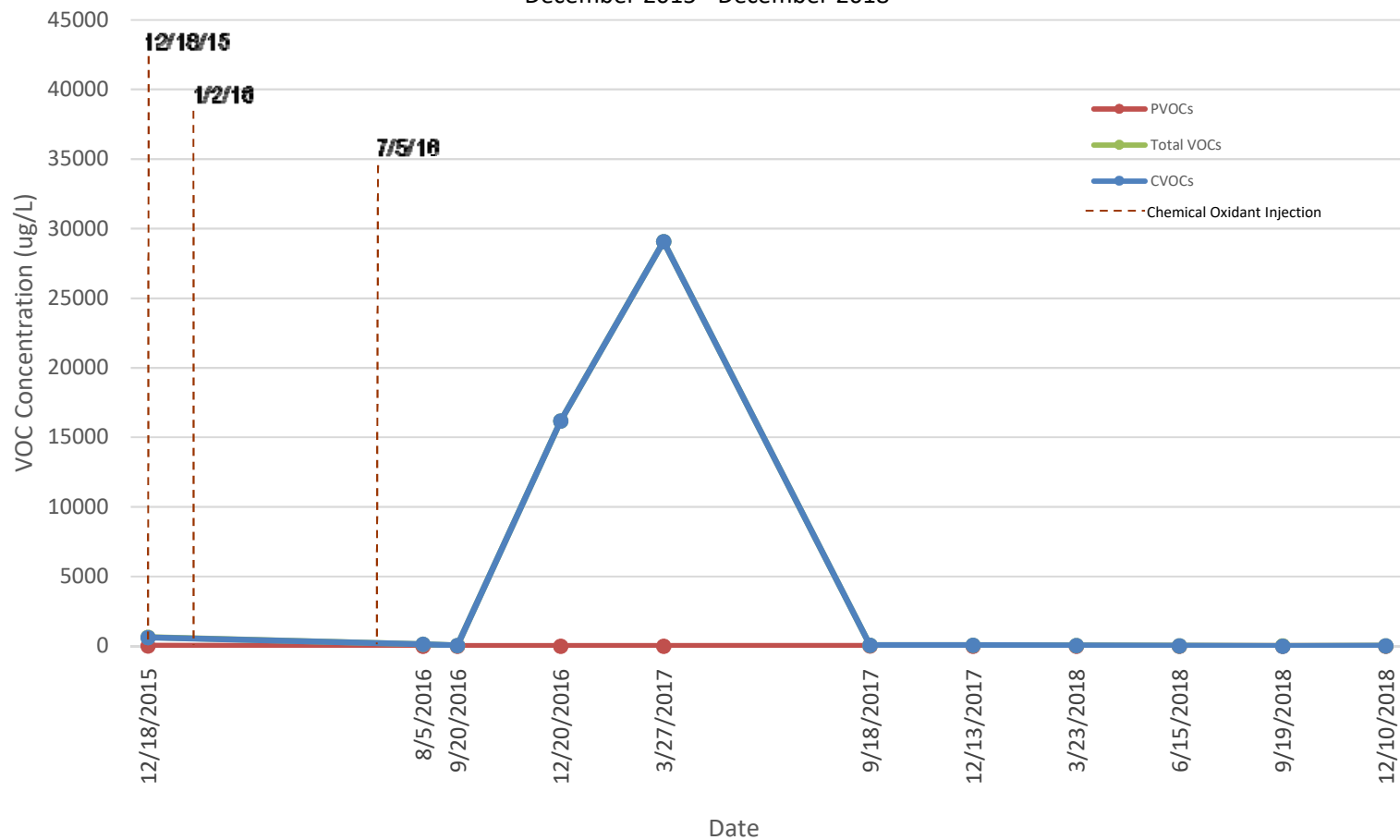
Graph 1
15MW1 VOCs
34-11 Beach Channel Drive, Queens, NY
December 2015 - December 2018



Graph 2
15MW2 VOCs
34-11 Beach Channel Drive, Queens, NY
December 2015 - December 2018

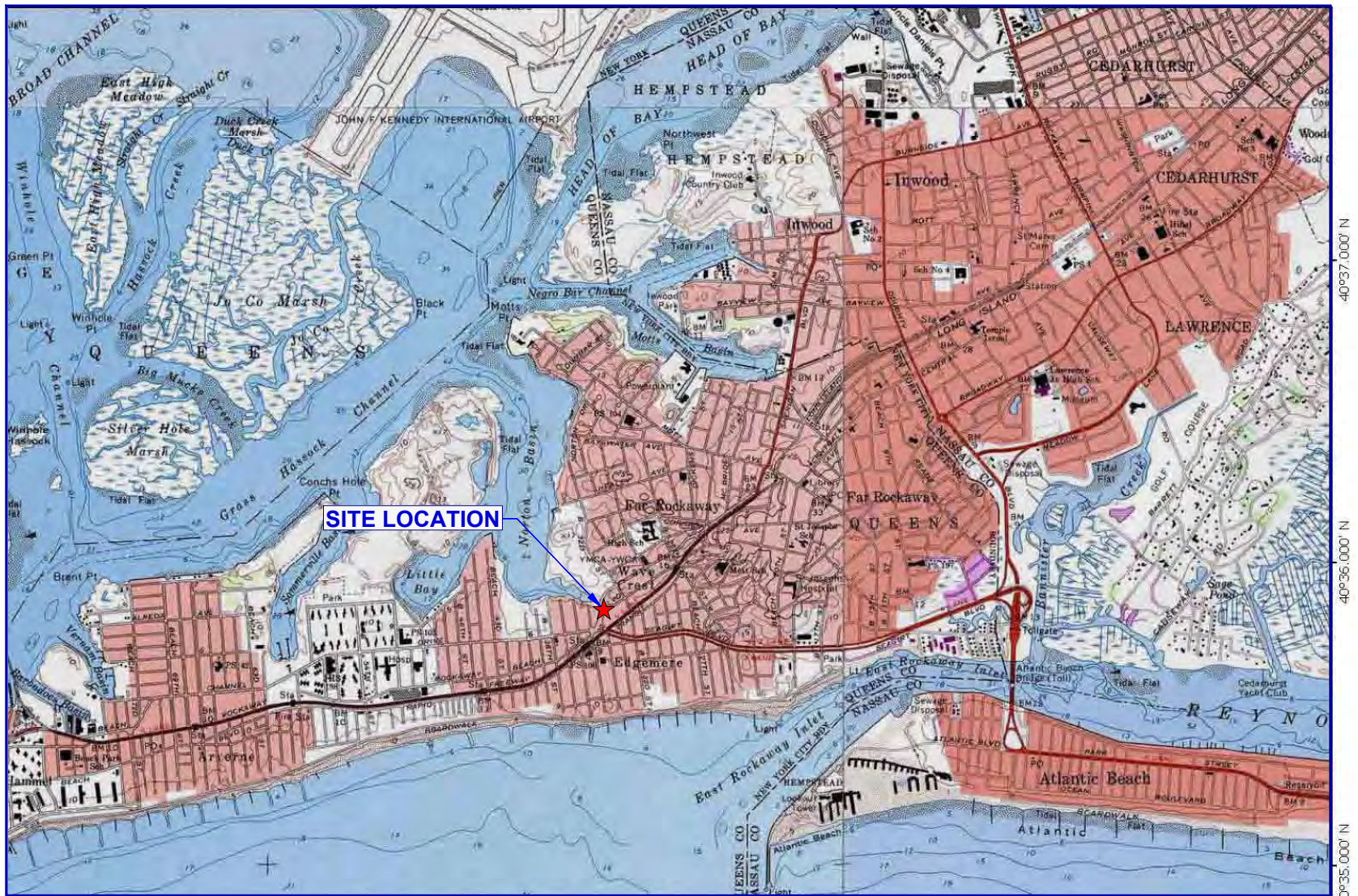


Graph 3
 15MW3 VOCs
 34-11 Beach Channel Drive, Queens, NY
 December 2015 - December 2018



FIGURES





73°48.000' W

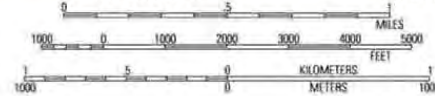
73°47.000' W

73°46.000' W

73°45.000' W

73°44.000' W

WGS84 73°43.000' W



02/27/15

BC

ENVIRONMENTAL BUSINESS CONSULTANTS

Phone 631.504.6000
Fax 631.924.2870

Figure No.
1

Site Name: **34-11 BEACH CHANNEL DRIVE**

Site Address: **34-11 BEACH CHANNEL DRIVE, FAR ROCKAWAY, NY**

Drawing Title: **SITE LOCATION MAP**



BEACH CHANNEL DRIVE

FAR ROCKAWAY BLVD.

BEACH 34th STREET

LOT 14

ADJACENT
LOT 29

ROCKAWAY FREEWAY

SCALE



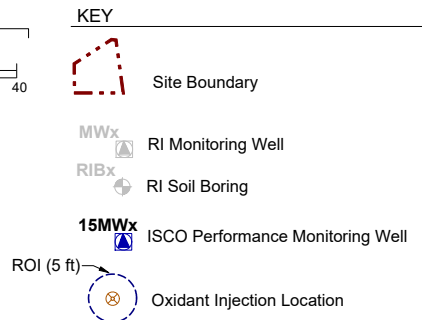
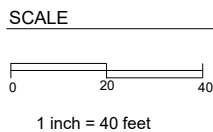
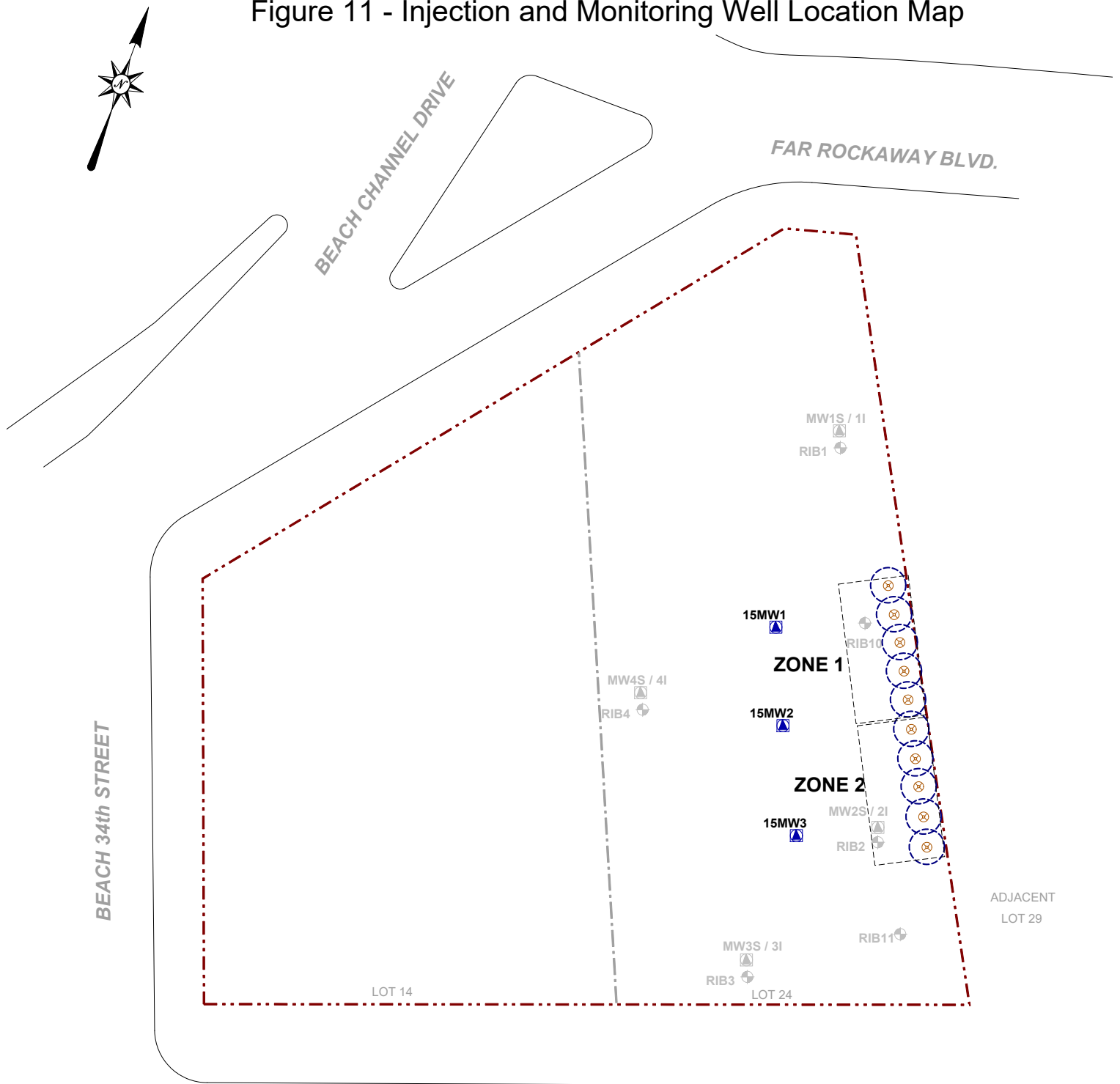
1 inch = 40 feet

KEY



Site Boundary

Figure 11 - Injection and Monitoring Well Location Map



ROCKAWAY FREEWAY



ENVIRONMENTAL BUSINESS CONSULTANTS

Phone 631.504.6000
Fax 631.924.2870

Figure No.
3

Site Name:	34-11 BEACH CHANNEL DRIVE SITE
Site Address:	34-11 BEACH CHANNEL DRIVE, FAR ROCKAWAY, NY
Drawing Title:	INJECTION AND MONITORING WELL LOCATIONS



LEGEND:

- SHALLOW WELLS WITH GROUNDWATER RELATIVE ELEVATION (FEET)
- 16.0 — WATER TABLE CONTOURS (WESTERN WELLS)
- - - 16.1 - - - WATER TABLE CONTOURS (EASTERN WELLS)
- ➔ GROUNDWATER FLOW DIRECTION

Figure 4

FPM GROUP

JANUARY 2015
SHALLOW GROUNDWATER
RELATIVE ELEVATION CONTOURS
34-11 BEACH CHANNEL DRIVE SITE
FAR ROCKAWAY, QUEENS, NEW YORK

Drawn By: H.C. | Checked By: S.D. | Date: 2/9/2015

APPENDIX A **ANNUAL CHECKLISTS**



SITE INSPECTION CHECKLIST

SSDS - System Inspection Checklist - ZONES 1 & 2
34-11 Beach Channel Drive
Far Rockaway (Queens), NY

Date: 5/30/14 Time: 3:00pm

Inspector Name/Organization: Amir Stewart (Amc Engineering)

Physical Inspection of Fan- Check seal w/vent line, unusual noises and general condition of unit.

Zone 1:

	yes	no
Operational?	<u>✓</u>	<u> </u>
Observed Leaks at Seals?	<u> </u>	<u>✓</u>
Air Flow at Exhaust Stack?	<u>✓</u>	<u> </u>
Vacuum Reading:	<u> </u>	"H2O

Fan Model No. Manufacturer:

Radon Away RP265c

Other Comments / Observations

No gauge to read vacuum.

Alarm Test:

Alarm sound when fan off?	<u>✓</u>	<u> </u>
Indicator lights when fan off?	<u>✓</u>	<u> </u>

Zone 2 :

	yes	no
Operational?	<u>✓</u>	<u> </u>
Observed Leaks at Seals?	<u> </u>	<u>✓</u>
Air Flow at Exhaust Stack?	<u>✓</u>	<u> </u>
Vacuum Reading:	<u> </u>	"H2O

Fan Model No. Manufacturer:

Radon Away RP265c

Other Comments / Observations

No gauge to read vacuum.

Alarm Test:

Alarm sound when fan off?	<u>✓</u>	<u> </u>
Indicator lights when fan off?	<u>✓</u>	<u> </u>

Repairs Needed and / or Maintenance at this time?

Add gauges.

Signature: Amir Stewart

Date: 5/30/14

SITE INSPECTION CHECKLIST

SSDS - System Inspection Checklist - ZONES 3 & 4
34-11 Beach Channel Drive
Far Rockaway (Queens), NY

Date: 5/30/19 Time: 3:00 pm

Inspector Name/Organization: Amir Stewart (AMC Engineering)

Physical Inspection of Fan- Check seal w/vent line, unusual noises and general condition of unit.

Zone 3:	yes	no
Operational?	<u>✓</u>	<u> </u>
Observed Leaks at Seals?	<u> </u>	<u>✓</u>
Air Flow at Exhaust Stack?	<u>✓</u>	<u> </u>
Vacuum Reading:	<u> </u>	"H2O
Alarm Test:		
Alarm sound when fan off?	<u> </u>	<u>✓</u>
Indicator lights when fan off?	<u>✓</u>	<u> </u>

Fan Model No. Manufacturer:

Radon Away RP 265c

Other Comments / Observations

No gauge to read vacuum.

Zone 4 :	yes	no
Operational?	<u>✓</u>	<u> </u>
Observed Leaks at Seals?	<u> </u>	<u>✓</u>
Air Flow at Exhaust Stack?	<u>✓</u>	<u> </u>
Vacuum Reading:	<u> </u>	"H2O
Alarm Test:		
Alarm sound when fan off?	<u>✓</u>	<u> </u>
Indicator lights when fan off?	<u>✓</u>	<u> </u>

Fan Model No. Manufacturer:

Radon Away RP 265c

Other Comments / Observations

No gauge to read vacuum.

Repairs Needed and / or Maintenance at this time?

Add gauges. Zone 3 alarm needs to be repaired.

Signature: Amir Stewart

Date: 5/30/19

SITE INSPECTION CHECKLIST

SSDS - System Inspection Checklist - ZONES 5 & 6
34-11 Beach Channel Drive
Far Rockaway (Queens), NY

Date: 5/30/19 Time: 3:00pm

Inspector Name/Organization: Amir Stewart (AMC Engineering)

Physical Inspection of Fan- Check seal w/vent line, unusual noises and general condition of unit.

Zone 5:	yes	no
Operational?	<u>✓</u>	<u> </u>
Observed Leaks at Seals?	<u> </u>	<u>✓</u>
Air Flow at Exhaust Stack?	<u>✓</u>	<u> </u>
Vacuum Reading:	<u> </u>	"H2O
Alarm Test:		
Alarm sound when fan off?	<u>✓</u>	<u> </u>
Indicator lights when fan off?	<u>✓</u>	<u> </u>

Fan Model No. Manufacturer:
Radon Away RP265c

Other Comments / Observations
No gauge to read vacuum.

Zone 6 :	yes	no
Operational?	<u>✓</u>	<u> </u>
Observed Leaks at Seals?	<u> </u>	<u>✓</u>
Air Flow at Exhaust Stack?	<u>✓</u>	<u> </u>
Vacuum Reading:	<u> </u>	"H2O
Alarm Test:		
Alarm sound when fan off?	<u>✓</u>	<u> </u>
Indicator lights when fan off?	<u>✓</u>	<u> </u>

Fan Model No. Manufacturer:
Radon Away RP265c

Other Comments / Observations
No gauge to read vacuum.

Repairs Needed and / or Maintenance at this time?

Signature: Amir Stewart Date: 5/30/19

SITE INSPECTION CHECKLIST

Site Inspection Checklist - Cover System
34-11 Beach Channel Drive
Far Rockaway (Queens), NY

Date: 5/30/19 Time: 3:00 pm

Inspector Name/Organization: Amir Stewart (AMC Engineering)

Visual Inspection of Building's Concrete Slab

Building Interior Inspect concrete slab for cracks, perforations and patching

Describe General Condition of Slab

See next line.

Describe any Cracks or New Penetrations

cracking in slab around various
pipes penetrating the slab.

Describe any Patching

None.

Visual Inspection of Sidewalks/Paved Areas

Building Exterior Inspect concrete/pavement for cracks, perforations and patching

Describe General Condition of Pavement/Concrete

Good condition.

Describe any Cracks or New Penetrations

None.

Describe any Patching

None.

Visual Inspection of Landscaped Areas

No landscaped area.

Repairs Needed and / or Maintenance at this time?

Pipe penetrations need to be properly sealed and
cracking around penetrations repaired.

Signature: Amir Stewart

Date: 5/30/19

SITE INSPECTION CHECKLIST

SSDS - System Inspection Checklist - ZONES 1 & 2

34-11 Beach Channel Drive

Far Rockaway (Queens), NY

Date: 6/10/19 Time: 10 2M

Inspector Name/Organization: Amir Stewart (AMC Engineering)

Physical Inspection of Fan- Check seal w/vent line, unusual noises and general condition of unit.

Zone 1:

	yes	no
Operational?	<u>✓</u>	<u> </u>
Observed Leaks at Seals?	<u> </u>	<u>✓</u>
Air Flow at Exhaust Stack?	<u>✓</u>	<u> </u>
Vacuum Reading:	<u>-0.84</u> "H2O	

Fan Model No. Manufacturer:

RadonAway RP265c

Other Comments / Observations

Alarm Test:

Alarm sound when fan off?

Indicator lights when fan off?

<u>✓</u>	<u> </u>
<u>✓</u>	<u> </u>

Zone 2 :

	yes	no
Operational?	<u>✓</u>	<u> </u>
Observed Leaks at Seals?	<u> </u>	<u>✓</u>
Air Flow at Exhaust Stack?	<u>✓</u>	<u> </u>
Vacuum Reading:	<u>-1.78</u> "H2O	

Fan Model No. Manufacturer:

Radonaway RP265c

Other Comments / Observations

Alarm Test:

Alarm sound when fan off?

Indicator lights when fan off?

<u>✓</u>	<u> </u>
<u>✓</u>	<u> </u>

Repairs Needed and / or Maintenance at this time?

Signature: Amir Stewart

Date: 6/10/19

SITE INSPECTION CHECKLIST

SSDS - System Inspection Checklist - ZONES 3 & 4

34-11 Beach Channel Drive

Far Rockaway (Queens), NY

Date: 6/10/19 Time: 10 am

Inspector Name/Organization: Amiv Stewart (Amc Engineering)

Physical Inspection of Fan- Check seal w/vent line, unusual noises and general condition of unit.

Zone 3:

yes no

Operational?

✓

Observed Leaks at Seals?

 ✓

Air Flow at Exhaust Stack?

✓

Vacuum Reading:

-1.72 "H2O

Fan Model No. Manufacturer:

RadonAway RP265c

Other Comments / Observations

Alarm Test:

Alarm sound when fan off?

 ✓

Indicator lights when fan off?

✓

Zone 4 :

yes no

Operational?

✓

Observed Leaks at Seals?

 ✓

Air Flow at Exhaust Stack?

✓

Vacuum Reading:

-2.01 "H2O

Fan Model No. Manufacturer:

RadonAway RP265c

Other Comments / Observations

Alarm Test:

Alarm sound when fan off?

✓

Indicator lights when fan off?

✓

Repairs Needed and / or Maintenance at this time?

Zone 3's alarm fails to sound when tripped. However,
light indicator functions as normal. Alarm to be repaired
within 2 week from inspection date.

Signature: Amiv Stewart

Date: 6/10/19

SITE INSPECTION CHECKLIST

SSDS - System Inspection Checklist - ZONES 5 & 6

34-11 Beach Channel Drive

Far Rockaway (Queens), NY

Date: 6/10/19 Time: 10am

Inspector Name/Organization: Amir Stewart (AMC Engineering)

Physical Inspection of Fan- Check seal w/vent line, unusual noises and general condition of unit.

Zone 5:

yes no

Operational?

✓

Observed Leaks at Seals?

 ✓

Air Flow at Exhaust Stack?

✓

Vacuum Reading:

-1.91 "H2O

Fan Model No. Manufacturer:

Rabon Away RP265c

Other Comments / Observations

Alarm Test:

Alarm sound when fan off?

✓

Indicator lights when fan off?

✓

Zone 6 :

yes no

Operational?

✓

Observed Leaks at Seals?

 ✓

Air Flow at Exhaust Stack?

✓

Vacuum Reading:

-1.84 "H2O

Fan Model No. Manufacturer:

Rabon Away RP265c

Other Comments / Observations

Alarm Test:

Alarm sound when fan off?

✓

Indicator lights when fan off?

✓

Repairs Needed and / or Maintenance at this time?

Signature:

Amir Stewart

Date:

6/10/19

SITE INSPECTION CHECKLIST

Site Inspection Checklist - Cover System
34-11 Beach Channel Drive
Far Rockaway (Queens), NY

Date: 6/10/19 Time: 10 am

Inspector Name/Organization: Amir Stewart (AMC Engineering)

Visual Inspection of Building's Concrete Slab

Building Interior Inspect concrete slab for cracks, perforations and patching

Describe General Condition of Slab

Mostly good condition, see next line

Describe any Cracks or New Penetrations

Various unknown pipe penetrations;
two noted that even't sealed

Describe any Patching

Patching around pipe penetrations
where cracking was previously observed

Visual Inspection of Sidewalks/Paved Areas

Building Exterior Inspect concrete/pavement for cracks, perforations and patching

Describe General Condition of Pavement/Concrete

Good condition

Describe any Cracks or New Penetrations

None noted

Describe any Patching

None noted

Visual Inspection of Landscaped Areas

No landscaping present

Repairs Needed and / or Maintenance at this time?

Observed pipe penetrations currently undergoing sealing /
repairs. Work expected to be finished within
week of inspection date.

Signature: Amir Stewart

Date: 6/10/19

SITE INSPECTION CHECKLIST

SSDS - System Inspection Checklist - ZONES 1 & 2

34-11 Beach Channel Drive
Far Rockaway (Queens), NY

Date: 6/20/19 Time: 12pm

Inspector Name/Organization: Amir Stewart (AMC Engineering)

Physical Inspection of Fan- Check seal w/vent line, unusual noises and general condition of unit.

Zone 1:

yes no

Operational?

✓

Observed Leaks at Seals?

✓

Air Flow at Exhaust Stack?

✓

Vacuum Reading:

-0.9 "H₂O

Fan Model No. Manufacturer:

Radon Away RP265C

Other Comments / Observations

Alarm Test:

Alarm sound when fan off?

✓

Indicator lights when fan off?

✓

Zone 2:

yes no

Operational?

✓

Observed Leaks at Seals?

✓

Air Flow at Exhaust Stack?

✓

Vacuum Reading:

-1.8 "H₂O

Fan Model No. Manufacturer:

Radon Away RP265C

Other Comments / Observations

Alarm Test:

Alarm sound when fan off?

✓

Indicator lights when fan off?

✓

Repairs Needed and / or Maintenance at this time?

Signature: Amir Stewart

Date: 6/20/19

SITE INSPECTION CHECKLIST

SSDS - System Inspection Checklist - ZONES 3 & 4
34-11 Beach Channel Drive
Far Rockaway (Queens), NY

Date: 6/20/19 Time: 12pm

Inspector Name/Organization: Amir Stewart (AMC Engineering)

Physical Inspection of Fan- Check seal w/vent line, unusual noises and general condition of unit.

Zone 3:	yes	no
Operational?	<u>✓</u>	<u> </u>
Observed Leaks at Seals?	<u> </u>	<u>✓</u>
Air Flow at Exhaust Stack?	<u>✓</u>	<u> </u>
Vacuum Reading:	<u>-1.5</u>	<u>"H2O</u>

Fan Model No. Manufacturer:

Radon Away RP265c

Other Comments / Observations

Alarm Test:

Alarm sound when fan off?

Indicator lights when fan off?

<u>✓</u>	<u> </u>
<u>✓</u>	<u> </u>

Zone 4 :	yes	no
Operational?	<u>✓</u>	<u> </u>
Observed Leaks at Seals?	<u> </u>	<u>✓</u>
Air Flow at Exhaust Stack?	<u>✓</u>	<u> </u>
Vacuum Reading:	<u>-2.0</u>	<u>"H2O</u>

Fan Model No. Manufacturer:

Radon Away RP265c

Other Comments / Observations

Alarm Test:

Alarm sound when fan off?

Indicator lights when fan off?

<u>✓</u>	<u> </u>
<u>✓</u>	<u> </u>

Repairs Needed and / or Maintenance at this time?

Signature:

Amir Stewart

Date:

6/20/19

SITE INSPECTION CHECKLIST

SSDS - System Inspection Checklist - ZONES 5 & 6

34-11 Beach Channel Drive

Far Rockaway (Queens), NY

Date: 6/20/19 Time: 12 pm

Inspector Name/Organization: Amir Stewart (AMC Engineering)

Physical Inspection of Fan- Check seal w/vent line, unusual noises and general condition of unit.

Zone 5:	yes	no
Operational?	<u>✓</u>	<u> </u>
Observed Leaks at Seals?	<u> </u>	<u>✓</u>
Air Flow at Exhaust Stack?	<u>✓</u>	<u> </u>
Vacuum Reading:	<u>-1.9</u>	<u>"H2O</u>

Fan Model No. Manufacturer:

Radon Away RP 265c

Other Comments / Observations

Alarm Test:	<u> </u>	<u> </u>
Alarm sound when fan off?	<u>✓</u>	<u> </u>
Indicator lights when fan off?	<u>✓</u>	<u> </u>

Zone 6 :	yes	no
Operational?	<u>✓</u>	<u> </u>
Observed Leaks at Seals?	<u> </u>	<u>✓</u>
Air Flow at Exhaust Stack?	<u>✓</u>	<u> </u>
Vacuum Reading:	<u>-1.9</u>	<u>"H2O</u>

Fan Model No. Manufacturer:

Radon Away RP 265c

Other Comments / Observations

Alarm Test:	<u> </u>	<u> </u>
Alarm sound when fan off?	<u>✓</u>	<u> </u>
Indicator lights when fan off?	<u>✓</u>	<u> </u>

Repairs Needed and / or Maintenance at this time?

Signature: Amir Stewart

Date:

6/20/19

SITE INSPECTION CHECKLIST

Site Inspection Checklist - Cover System
34-11 Beach Channel Drive
Far Rockaway (Queens), NY

Date: 6/20/19 Time: 12 pm

Inspector Name/Organization: Amir Stewart (AMC Engineering)

Visual Inspection of Building's Concrete Slab

Building Interior Inspect concrete slab for cracks, perforations and patching

Describe General Condition of Slab

Good condition.

Describe any Cracks or New Penetrations

None.

Describe any Patching

None.

Visual Inspection of Sidewalks/Paved Areas

Building Exterior Inspect concrete/pavement for cracks, perforations and patching

Describe General Condition of Pavement/Concrete

Good condition.

Describe any Cracks or New Penetrations

None.

Describe any Patching

None.

Visual Inspection of Landscaped Areas

No landscaping present.

Repairs Needed and / or Maintenance at this time?

Signature: Amir Stewart

Date: 6/20/19

APPENDIX B **CORRECTIVE MEASURES** **WORK PLAN**





AMC Engineering, PLLC
18-36 42nd Street
Astoria, NY 11105
Phone: (718) 545-0474
Fax: (516) 706-3214

June 10, 2019

Alicia Barraza
Project Manager
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, Albany, NY 12233-7016

**RE: Corrective Measures Work Plan
C241141 – 34-11 Beach Channel Drive Site
34-11 Beach Channel Drive, Far Rockaway NY 11691**

Introduction

This Corrective Measures Work Plan (CMWP) has been prepared in anticipation of submission of the 2019 Periodic Review Report (PRR). For this review period, inspection was performed on June 10, 2019 to certify the correct performance of engineering controls. Deficiencies were noted in the engineering controls as follows:

- Six (6) risers are present on site as needed for the six zones in the SSD system. All alarms function as normal except for the one present in SSD Zone 3. Alarm has an audio deficiency. The alarm fails to emit a beeping sound when tripped as is the case with the other alarms present on site.
- There are penetrations present in the slab. Various pipes penetrate the slab of the commercial space with two of them lacking a proper protective cover.

Corrective Measures Work Plan

The following Corrective Measures must be implemented to address the Engineering Control deficiencies listed above.

- The alarm in Zone 3 will be replaced with a functioning alarm that properly emits light and audio when tripped.
- The slab in the commercial space will be provided with proper protection for the areas where pipe penetration is unprotected.

Engineering Control / Institutional Control Inspection / Certification

The Corrective Measures Work Plan is expected to be fully implemented within ten (10) days of submission of this Plan on June 10, 2019. A Site-wide inspection will be performed upon completion of activities outlined in the Work Plan. Following the inspection, the 2019 PRR, summarizing the events of the recording period as well as the corrective measures taken, will be submitted within ten (10) days of submission of this Plan on June 10, 2019.



AMC Engineering, PLLC

18-36 42nd Street
Astoria, NY 11105
Phone: (718) 545-0474
Fax: (516) 706-3214

Please feel free to contact me with any questions or concerns.

Sincerely,

Ariel Czemerinski, PE
AMC Engineering, PLLC



APPENDIX C **LABORATORY REPORTS**





Thursday, September 29, 2016

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

Project ID: 34-11 BEACH CHANNEL DR., PRE INJECTION
Sample ID#s: BK42201 - BK42203

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.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. 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



**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: Environmental Business Consultants
Project: 34-11 BEACH CHANNEL DR., PRE INJECTION
Laboratory Project: GBK42201



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

September 29, 2016

SDG I.D.: GBK42201

Environmental Business Consultants 34-11 BEACH CHANNEL DR., PRE INJECTION

Methodology Summary

Volatile Organic Compounds:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III, Method 8260C and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 624) as printed in 40CFR part 136.

Sample Id Cross Reference

Client Id	Lab Id	Matrix
15MW1	BK42201	GROUND WATER
15MW2	BK42202	GROUND WATER
15MW3	BK42203	GROUND WATER



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

September 29, 2016

SDG I.D.: GBK42201

Environmental Business Consultants 34-11 BEACH CHANNEL DR., PRE INJECTION

Laboratory Chronicle

The samples in this delivery group were received at 4°C.

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
BK42201	Volatiles	12/18/15	12/22/15	12/22/15	MH	Y
BK42202	Volatiles	12/18/15	12/22/15	12/22/15	MH	Y
BK42203	Volatiles	12/18/15	12/22/15	12/22/15	MH	Y



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



SDG Comments

September 29, 2016

SDG I.D.: GBK42201

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.

Due to the concentration of target compounds not all of the requested criteria could be achieved.

Version 1: Complete report with QC, minus forms.

Version 2: Complete report with QC and forms.



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



Analysis Report

September 29, 2016

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

12/18/15
12/21/15

Time

13:00
16:08

Laboratory Data

SDG ID: GBK42201
Phoenix ID: BK42201

Project ID: 34-11 BEACH CHANNEL DR., PRE INJECTION
Client ID: 15MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,1,2-Trichloroethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,1-Dichloroethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,1-Dichloroethene	8.2	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,1-Dichloropropene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,2,3-Trichlorobenzene	ND	20	5.0	ug/L	20	12/22/15	MH	SW8260C
1,2,3-Trichloropropane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,2,4-Trichlorobenzene	ND	20	5.0	ug/L	20	12/22/15	MH	SW8260C
1,2,4-Trimethylbenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	10	10	ug/L	20	12/22/15	MH	SW8260C
1,2-Dibromoethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,2-Dichlorobenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,2-Dichloroethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,2-Dichloropropane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,3,5-Trimethylbenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,3-Dichlorobenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,3-Dichloropropane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,4-Dichlorobenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
2,2-Dichloropropane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
2-Chlorotoluene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
2-Hexanone	ND	50	50	ug/L	20	12/22/15	MH	SW8260C
2-Isopropyltoluene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
4-Chlorotoluene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
4-Methyl-2-pentanone	ND	50	50	ug/L	20	12/22/15	MH	SW8260C

Client ID: 15MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	50	50	ug/L	20	12/22/15	MH	SW8260C
Acrolein	ND	50	50	ug/L	20	12/22/15	MH	SW8260C
Acrylonitrile	ND	50	50	ug/L	20	12/22/15	MH	SW8260C
Benzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Bromobenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Bromochloromethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Bromodichloromethane	ND	20	5.0	ug/L	20	12/22/15	MH	SW8260C
Bromoform	ND	50	5.0	ug/L	20	12/22/15	MH	SW8260C
Bromomethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Carbon Disulfide	ND	20	5.0	ug/L	20	12/22/15	MH	SW8260C
Carbon tetrachloride	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Chlorobenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Chloroethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Chloroform	ND	7.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Chloromethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
cis-1,2-Dichloroethene	6000	D 400	100	ug/L	400	12/22/15	MH	SW8260C
cis-1,3-Dichloropropene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Dibromochloromethane	ND	20	5.0	ug/L	20	12/22/15	MH	SW8260C
Dibromomethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Dichlorodifluoromethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Ethylbenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Hexachlorobutadiene	ND	5.0	4.0	ug/L	20	12/22/15	MH	SW8260C
Isopropylbenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
m&p-Xylene	ND	20	5.0	ug/L	20	12/22/15	MH	SW8260C
Methyl ethyl ketone	ND	50	50	ug/L	20	12/22/15	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	20	5.0	ug/L	20	12/22/15	MH	SW8260C
Methylene chloride	ND	20	20	ug/L	20	12/22/15	MH	SW8260C
Naphthalene	ND	20	20	ug/L	20	12/22/15	MH	SW8260C
n-Butylbenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
n-Propylbenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
o-Xylene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
p-Isopropyltoluene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
sec-Butylbenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Styrene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
tert-Butylbenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Tetrachloroethene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Tetrahydrofuran (THF)	ND	50	50	ug/L	20	12/22/15	MH	SW8260C
Toluene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
trans-1,2-Dichloroethene	220	100	5.0	ug/L	20	12/22/15	MH	SW8260C
trans-1,3-Dichloropropene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	50	50	ug/L	20	12/22/15	MH	SW8260C
Trichloroethene	11	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Trichlorofluoromethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Trichlorotrifluoroethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Vinyl chloride	4900	D 400	100	ug/L	400	12/22/15	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	102			%	20	12/22/15	MH	70 - 130 %
% Bromofluorobenzene	99			%	20	12/22/15	MH	70 - 130 %
% Dibromofluoromethane	95			%	20	12/22/15	MH	70 - 130 %

Client ID: 15MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	100			%	20	12/22/15	MH	70 - 130 %

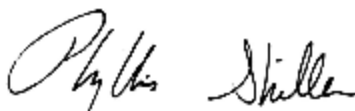
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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

September 29, 2016

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

September 29, 2016

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

12/18/15
12/21/15

Time

13:00
16:08

Laboratory Data

SDG ID: GBK42201
Phoenix ID: BK42202

Project ID: 34-11 BEACH CHANNEL DR., PRE INJECTION
Client ID: 15MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,1,2-Trichloroethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,1-Dichloroethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,1-Dichloroethene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,1-Dichloropropene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,2,3-Trichlorobenzene	ND	20	5.0	ug/L	20	12/22/15	MH	SW8260C
1,2,3-Trichloropropane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,2,4-Trichlorobenzene	ND	20	5.0	ug/L	20	12/22/15	MH	SW8260C
1,2,4-Trimethylbenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	10	10	ug/L	20	12/22/15	MH	SW8260C
1,2-Dibromoethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,2-Dichlorobenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,2-Dichloroethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,2-Dichloropropane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,3,5-Trimethylbenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,3-Dichlorobenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,3-Dichloropropane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
1,4-Dichlorobenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
2,2-Dichloropropane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
2-Chlorotoluene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
2-Hexanone	ND	50	50	ug/L	20	12/22/15	MH	SW8260C
2-Isopropyltoluene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
4-Chlorotoluene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
4-Methyl-2-pentanone	ND	50	50	ug/L	20	12/22/15	MH	SW8260C

Client ID: 15MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	50	50	ug/L	20	12/22/15	MH	SW8260C
Acrolein	ND	50	50	ug/L	20	12/22/15	MH	SW8260C
Acrylonitrile	ND	50	50	ug/L	20	12/22/15	MH	SW8260C
Benzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Bromobenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Bromochloromethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Bromodichloromethane	ND	20	5.0	ug/L	20	12/22/15	MH	SW8260C
Bromoform	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Bromomethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Carbon Disulfide	ND	20	5.0	ug/L	20	12/22/15	MH	SW8260C
Carbon tetrachloride	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Chlorobenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Chloroethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Chloroform	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Chloromethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
cis-1,2-Dichloroethene	1400	E 5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
cis-1,3-Dichloropropene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Dibromochloromethane	ND	20	5.0	ug/L	20	12/22/15	MH	SW8260C
Dibromomethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Dichlorodifluoromethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Ethylbenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Hexachlorobutadiene	ND	5.0	4.0	ug/L	20	12/22/15	MH	SW8260C
Isopropylbenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
m&p-Xylene	ND	20	5.0	ug/L	20	12/22/15	MH	SW8260C
Methyl ethyl ketone	ND	50	50	ug/L	20	12/22/15	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	20	5.0	ug/L	20	12/22/15	MH	SW8260C
Methylene chloride	ND	20	20	ug/L	20	12/22/15	MH	SW8260C
Naphthalene	ND	20	20	ug/L	20	12/22/15	MH	SW8260C
n-Butylbenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
n-Propylbenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
o-Xylene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
p-Isopropyltoluene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
sec-Butylbenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Styrene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
tert-Butylbenzene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Tetrachloroethene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Tetrahydrofuran (THF)	ND	50	50	ug/L	20	12/22/15	MH	SW8260C
Toluene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
trans-1,2-Dichloroethene	14	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
trans-1,3-Dichloropropene	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	50	50	ug/L	20	12/22/15	MH	SW8260C
Trichloroethene	14	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Trichlorofluoromethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Trichlorotrifluoroethane	ND	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
Vinyl chloride	570	5.0	5.0	ug/L	20	12/22/15	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	102			%	20	12/22/15	MH	70 - 130 %
% Bromofluorobenzene	99			%	20	12/22/15	MH	70 - 130 %
% Dibromofluoromethane	102			%	20	12/22/15	MH	70 - 130 %

1

Client ID: 15MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98			%	20	12/22/15	MH	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 LOD=Limit of Detection MDL=Method Detection Limit1

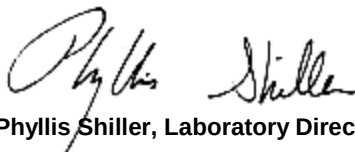
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:**Volatile Comment:**

E = Estimated value. Sample result was above the calibration range. Subsequent dilution did not correlate well with original analysis results. The higher results are 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

September 29, 2016

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

September 29, 2016

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

12/18/15
12/21/15

Time

13:00
16:08

Laboratory Data

SDG ID: GBK42201
Phoenix ID: BK42203

Project ID: 34-11 BEACH CHANNEL DR., PRE INJECTION
Client ID: 15MW3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
1,1,2-Trichloroethane	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
1,1-Dichloroethane	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
1,1-Dichloroethene	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
1,1-Dichloropropene	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
1,2,3-Trichlorobenzene	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
1,2,3-Trichloropropane	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
1,2,4-Trichlorobenzene	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
1,2,4-Trimethylbenzene	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	2.5	ug/L	5	12/23/15	MH	SW8260C
1,2-Dibromoethane	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
1,2-Dichlorobenzene	ND	4.0	1.3	ug/L	5	12/23/15	MH	SW8260C
1,2-Dichloroethane	ND	3.0	1.3	ug/L	5	12/23/15	MH	SW8260C
1,2-Dichloropropane	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
1,3,5-Trimethylbenzene	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
1,3-Dichlorobenzene	ND	3.0	1.3	ug/L	5	12/23/15	MH	SW8260C
1,3-Dichloropropane	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
1,4-Dichlorobenzene	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
2,2-Dichloropropane	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
2-Chlorotoluene	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
2-Hexanone	ND	13	13	ug/L	5	12/23/15	MH	SW8260C
2-Isopropyltoluene	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
4-Chlorotoluene	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
4-Methyl-2-pentanone	ND	13	13	ug/L	5	12/23/15	MH	SW8260C

Client ID: 15MW3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	15	JS 25	13	ug/L	5	12/23/15	MH	SW8260C
Acrolein	ND	13	13	ug/L	5	12/23/15	MH	SW8260C
Acrylonitrile	ND	13	13	ug/L	5	12/23/15	MH	SW8260C
Benzene	7.5	3.5	1.3	ug/L	5	12/23/15	MH	SW8260C
Bromobenzene	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
Bromochloromethane	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
Bromodichloromethane	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
Bromoform	ND	25	1.3	ug/L	5	12/23/15	MH	SW8260C
Bromomethane	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
Carbon Disulfide	2.3	J 5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
Carbon tetrachloride	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
Chlorobenzene	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
Chloroethane	20	J 25	1.3	ug/L	5	12/23/15	MH	SW8260C
Chloroform	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
Chloromethane	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
cis-1,2-Dichloroethene	430	D 20	5.0	ug/L	20	12/22/15	MH	SW8260C
cis-1,3-Dichloropropene	ND	2.0	1.3	ug/L	5	12/23/15	MH	SW8260C
Dibromochloromethane	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
Dibromomethane	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
Dichlorodifluoromethane	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
Ethylbenzene	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
Hexachlorobutadiene	ND	2.5	1.0	ug/L	5	12/23/15	MH	SW8260C
Isopropylbenzene	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
m&p-Xylene	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
Methyl ethyl ketone	ND	13	13	ug/L	5	12/23/15	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
Methylene chloride	ND	5.0	5.0	ug/L	5	12/23/15	MH	SW8260C
Naphthalene	ND	5.0	5.0	ug/L	5	12/23/15	MH	SW8260C
n-Butylbenzene	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
n-Propylbenzene	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
o-Xylene	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
p-Isopropyltoluene	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
sec-Butylbenzene	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
Styrene	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
tert-Butylbenzene	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
Tetrachloroethene	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
Tetrahydrofuran (THF)	ND	25	13	ug/L	5	12/23/15	MH	SW8260C
Toluene	2.5	J 5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
trans-1,2-Dichloroethene	11	J 25	1.3	ug/L	5	12/23/15	MH	SW8260C
trans-1,3-Dichloropropene	ND	2.0	1.3	ug/L	5	12/23/15	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	13	13	ug/L	5	12/23/15	MH	SW8260C
Trichloroethene	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
Trichlorofluoromethane	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
Trichlorotrifluoroethane	ND	5.0	1.3	ug/L	5	12/23/15	MH	SW8260C
Vinyl chloride	150	D 20	5.0	ug/L	20	12/22/15	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	5	12/23/15	MH	70 - 130 %
% Bromofluorobenzene	97			%	5	12/23/15	MH	70 - 130 %
% Dibromofluoromethane	96			%	5	12/23/15	MH	70 - 130 %

Client ID: 15MW3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	101			%	5	12/23/15	MH	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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

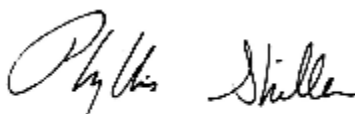
Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

S - Laboratory solvent, contamination is possible.

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

September 29, 2016

Reviewed and Released by: Jon Carlson, Project Manager



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Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

September 29, 2016

QA/QC Data

SDG I.D.: GBK42201

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 330365 (ug/L), QC Sample No: BK42091 (BK42201 (20X, 400X) , BK42202 (20X) , BK42203 (20X))										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	1.0	104	114	9.2				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	100	111	10.4				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	97	105	7.9				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	104	116	10.9				70 - 130	30
1,1-Dichloroethane	ND	1.0	95	106	10.9				70 - 130	30
1,1-Dichloroethene	ND	1.0	111	125	11.9				70 - 130	30
1,1-Dichloropropene	ND	1.0	101	114	12.1				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	99	113	13.2				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	98	106	7.8				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	103	113	9.3				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	93	101	8.2				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	101	109	7.6				70 - 130	30
1,2-Dibromoethane	ND	1.0	102	114	11.1				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	95	104	9.0				70 - 130	30
1,2-Dichloroethane	ND	1.0	106	116	9.0				70 - 130	30
1,2-Dichloropropane	ND	1.0	101	112	10.3				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	93	101	8.2				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	95	104	9.0				70 - 130	30
1,3-Dichloropropane	ND	1.0	97	107	9.8				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	93	101	8.2				70 - 130	30
2,2-Dichloropropane	ND	1.0	94	103	9.1				70 - 130	30
2-Chlorotoluene	ND	1.0	91	99	8.4				70 - 130	30
2-Hexanone	ND	5.0	95	106	10.9				70 - 130	30
2-Isopropyltoluene	ND	1.0	95	103	8.1				70 - 130	30
4-Chlorotoluene	ND	1.0	90	97	7.5				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	102	112	9.3				70 - 130	30
Acetone	ND	5.0	107	130	19.4				70 - 130	30
Acrolein	ND	5.0	111	123	10.3				70 - 130	30
Acrylonitrile	ND	5.0	115	126	9.1				70 - 130	30
Benzene	ND	0.70	98	109	10.6				70 - 130	30
Bromobenzene	ND	1.0	94	101	7.2				70 - 130	30
Bromochloromethane	ND	1.0	103	114	10.1				70 - 130	30
Bromodichloromethane	ND	0.50	109	120	9.6				70 - 130	30
Bromoform	ND	1.0	108	118	8.8				70 - 130	30
Bromomethane	ND	1.0	93	112	18.5				70 - 130	30
Carbon Disulfide	ND	1.0	104	116	10.9				70 - 130	30
Carbon tetrachloride	ND	1.0	102	112	9.3				70 - 130	30
Chlorobenzene	ND	1.0	97	107	9.8				70 - 130	30
Chloroethane	ND	1.0	95	105	10.0				70 - 130	30
Chloroform	ND	1.0	98	107	8.8				70 - 130	30
Chloromethane	ND	1.0	81	87	7.1				70 - 130	30

QA/QC Data

SDG I.D.: GBK42201

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,2-Dichloroethene	ND	1.0	98	105	6.9				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	103	114	10.1				70 - 130	30
Dibromochloromethane	ND	0.50	108	120	10.5				70 - 130	30
Dibromomethane	ND	1.0	106	113	6.4				70 - 130	30
Dichlorodifluoromethane	ND	1.0	87	96	9.8				70 - 130	30
Ethylbenzene	ND	1.0	95	105	10.0				70 - 130	30
Hexachlorobutadiene	ND	0.40	102	112	9.3				70 - 130	30
Isopropylbenzene	ND	1.0	90	99	9.5				70 - 130	30
m&p-Xylene	ND	1.0	94	104	10.1				70 - 130	30
Methyl ethyl ketone	ND	5.0	109	115	5.4				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	106	117	9.9				70 - 130	30
Methylene chloride	ND	1.0	114	120	5.1				70 - 130	30
Naphthalene	ND	1.0	107	119	10.6				70 - 130	30
n-Butylbenzene	ND	1.0	92	100	8.3				70 - 130	30
n-Propylbenzene	ND	1.0	88	97	9.7				70 - 130	30
o-Xylene	ND	1.0	95	105	10.0				70 - 130	30
p-Isopropyltoluene	ND	1.0	95	103	8.1				70 - 130	30
sec-Butylbenzene	ND	1.0	93	101	8.2				70 - 130	30
Styrene	ND	1.0	100	111	10.4				70 - 130	30
tert-Butylbenzene	ND	1.0	91	99	8.4				70 - 130	30
Tetrachloroethene	ND	1.0	98	109	10.6				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	100	105	4.9				70 - 130	30
Toluene	ND	1.0	97	108	10.7				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	96	110	13.6				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	108	116	7.1				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	88	96	8.7				70 - 130	30
Trichloroethene	ND	1.0	101	111	9.4				70 - 130	30
Trichlorofluoromethane	ND	1.0	90	101	11.5				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	108	118	8.8				70 - 130	30
Vinyl chloride	ND	1.0	96	107	10.8				70 - 130	30
% 1,2-dichlorobenzene-d4	103	%	102	102	0.0				70 - 130	30
% Bromofluorobenzene	99	%	105	105	0.0				70 - 130	30
% Dibromofluoromethane	100	%	98	103	5.0				70 - 130	30
% Toluene-d8	99	%	99	99	0.0				70 - 130	30

Comment:

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

QA/QC Batch 330732 (ug/L), QC Sample No: BK43259 (BK42203 (5X))

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	95	103	8.1				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	95	105	10.0				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	98	105	6.9				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	108	116	7.1				70 - 130	30
1,1-Dichloroethane	ND	1.0	100	108	7.7				70 - 130	30
1,1-Dichloroethene	ND	1.0	108	120	10.5				70 - 130	30
1,1-Dichloropropene	ND	1.0	100	112	11.3				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	94	106	12.0				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	94	103	9.1				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	96	109	12.7				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	86	95	9.9				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	93	109	15.8				70 - 130	30
1,2-Dibromoethane	ND	1.0	100	106	5.8				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	91	99	8.4				70 - 130	30

QA/QC Data

SDG I.D.: GBK42201

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2-Dichloroethane	ND	1.0	102	110	7.5				70 - 130	30
1,2-Dichloropropane	ND	1.0	105	114	8.2				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	85	95	11.1				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	89	99	10.6				70 - 130	30
1,3-Dichloropropane	ND	1.0	100	103	3.0				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	88	98	10.8				70 - 130	30
2,2-Dichloropropane	ND	1.0	89	98	9.6				70 - 130	30
2-Chlorotoluene	ND	1.0	86	95	9.9				70 - 130	30
2-Hexanone	ND	5.0	92	98	6.3				70 - 130	30
2-Isopropyltoluene	ND	1.0	87	98	11.9				70 - 130	30
4-Chlorotoluene	ND	1.0	84	94	11.2				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	106	114	7.3				70 - 130	30
Acetone	ND	5.0	135	127	6.1				70 - 130	30
Acrolein	ND	5.0	118	115	2.6				70 - 130	30
Acrylonitrile	ND	5.0	112	121	7.7				70 - 130	30
Benzene	ND	0.70	101	112	10.3				70 - 130	30
Bromobenzene	ND	1.0	88	95	7.7				70 - 130	30
Bromochloromethane	ND	1.0	106	116	9.0				70 - 130	30
Bromodichloromethane	ND	0.50	109	113	3.6				70 - 130	30
Bromoform	ND	1.0	99	108	8.7				70 - 130	30
Bromomethane	ND	1.0	103	114	10.1				70 - 130	30
Carbon Disulfide	ND	1.0	107	119	10.6				70 - 130	30
Carbon tetrachloride	ND	1.0	95	105	10.0				70 - 130	30
Chlorobenzene	ND	1.0	93	103	10.2				70 - 130	30
Chloroethane	ND	1.0	100	112	11.3				70 - 130	30
Chloroform	ND	1.0	98	106	7.8				70 - 130	30
Chloromethane	ND	1.0	97	107	9.8				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	105	110	4.7				70 - 130	30
Dibromochloromethane	ND	0.50	98	107	8.8				70 - 130	30
Dibromomethane	ND	1.0	103	114	10.1				70 - 130	30
Dichlorodifluoromethane	ND	1.0	107	121	12.3				70 - 130	30
Ethylbenzene	ND	1.0	91	102	11.4				70 - 130	30
Hexachlorobutadiene	ND	0.40	92	102	10.3				70 - 130	30
Isopropylbenzene	ND	1.0	82	92	11.5				70 - 130	30
m&p-Xylene	ND	1.0	91	100	9.4				70 - 130	30
Methyl ethyl ketone	ND	5.0	112	120	6.9				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	100	107	6.8				70 - 130	30
Methylene chloride	ND	1.0	126	128	1.6				70 - 130	30
Naphthalene	ND	1.0	98	111	12.4				70 - 130	30
n-Butylbenzene	ND	1.0	89	99	10.6				70 - 130	30
n-Propylbenzene	ND	1.0	83	92	10.3				70 - 130	30
o-Xylene	ND	1.0	95	103	8.1				70 - 130	30
p-Isopropyltoluene	ND	1.0	87	97	10.9				70 - 130	30
sec-Butylbenzene	ND	1.0	87	98	11.9				70 - 130	30
Styrene	ND	1.0	97	107	9.8				70 - 130	30
tert-Butylbenzene	ND	1.0	82	93	12.6				70 - 130	30
Tetrachloroethene	ND	1.0	93	101	8.2				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	114	115	0.9				70 - 130	30
Toluene	ND	1.0	99	109	9.6				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	102	110	7.5				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	104	113	8.3				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	92	96	4.3				70 - 130	30
Trichloroethene	ND	1.0	99	108	8.7				70 - 130	30

QA/QC Data

SDG I.D.: GBK42201

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
Trichlorofluoromethane	ND	1.0	95	107	11.9				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	95	107	11.9				70 - 130	30
% 1,2-dichlorobenzene-d4	102	%	102	103	1.0				70 - 130	30
% Bromofluorobenzene	96	%	103	103	0.0				70 - 130	30
% Dibromofluoromethane	98	%	100	100	0.0				70 - 130	30
% Toluene-d8	101	%	101	101	0.0				70 - 130	30

Comment:

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

I = This parameter is outside laboratory LCS/LCSD 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

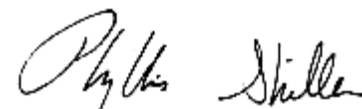
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director
September 29, 2016

Sample Criteria Exceedences Report

Criteria: NY: GW

GBK42201 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK42201	\$8260DP25R	Acrolein	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BK42201	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	4900	400	2	2	ug/L
BK42201	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	4900	400	2	2	ug/L
BK42201	\$8260DP25R	1,1-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	8.2	5.0	5	5	ug/L
BK42201	\$8260DP25R	1,1-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	8.2	5.0	5	5	ug/L
BK42201	\$8260DP25R	Methylene chloride	NY / TAGM - Volatile Organics / Groundwater Standards	ND	20	5	5	ug/L
BK42201	\$8260DP25R	Methylene chloride	NY / TOGS - Water Quality / GA Criteria	ND	20	5	5	ug/L
BK42201	\$8260DP25R	trans-1,2-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	220	100	5	5	ug/L
BK42201	\$8260DP25R	trans-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	220	100	5	5	ug/L
BK42201	\$8260DP25R	Acrylonitrile	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BK42201	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	6000	400	5	5	ug/L
BK42201	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	0.7	0.7	ug/L
BK42201	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BK42201	\$8260DP25R	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.6	0.6	ug/L
BK42201	\$8260DP25R	Trichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	11	5.0	5	5	ug/L
BK42201	\$8260DP25R	Trichloroethene	NY / TOGS - Water Quality / GA Criteria	11	5.0	5	5	ug/L
BK42201	\$8260DP25R	1,2-Dichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BK42201	\$8260DP25R	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.4	0.4	ug/L
BK42201	\$8260DP25R	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.4	0.4	ug/L
BK42201	\$8260DP25R	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BK42201	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.0006	0.0006	ug/L
BK42201	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.04	0.04	ug/L
BK42201	\$8260DP25R	trans-1,4-dichloro-2-butene	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BK42201	\$8260DP25R	1,3-Dichlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	3	3	ug/L
BK42201	\$8260DP25R	1,2-Dichlorobenzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	4.7	4.7	ug/L
BK42201	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	10	0.04	0.04	ug/L
BK42201	\$8260DP25R	Hexachlorobutadiene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.5	0.5	ug/L
BK42201	\$8260DP25R	Naphthalene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	20	5	5	ug/L
BK42201	\$8260DP25R	Naphthalene	NY / TOGS - Water Quality / GA Criteria	ND	20	10	10	ug/L
BK42202	\$8260DP25R	Acrolein	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BK42202	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	570	5.0	2	2	ug/L
BK42202	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	570	5.0	2	2	ug/L
BK42202	\$8260DP25R	Methylene chloride	NY / TAGM - Volatile Organics / Groundwater Standards	ND	20	5	5	ug/L
BK42202	\$8260DP25R	Methylene chloride	NY / TOGS - Water Quality / GA Criteria	ND	20	5	5	ug/L
BK42202	\$8260DP25R	trans-1,2-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	14	5.0	5	5	ug/L
BK42202	\$8260DP25R	trans-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	14	5.0	5	5	ug/L
BK42202	\$8260DP25R	Acrylonitrile	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BK42202	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	1400	5.0	5	5	ug/L
BK42202	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	0.7	0.7	ug/L
BK42202	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BK42202	\$8260DP25R	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.6	0.6	ug/L

Sample Criteria Exceedences Report

Criteria: NY: GW

GBK42201 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK42202	\$8260DP25R	Trichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	14	5.0	5	5	ug/L
BK42202	\$8260DP25R	Trichloroethene	NY / TOGS - Water Quality / GA Criteria	14	5.0	5	5	ug/L
BK42202	\$8260DP25R	1,2-Dichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BK42202	\$8260DP25R	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.4	0.4	ug/L
BK42202	\$8260DP25R	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.4	0.4	ug/L
BK42202	\$8260DP25R	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BK42202	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.0006	0.0006	ug/L
BK42202	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.04	0.04	ug/L
BK42202	\$8260DP25R	trans-1,4-dichloro-2-butene	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BK42202	\$8260DP25R	1,3-Dichlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	3	3	ug/L
BK42202	\$8260DP25R	1,2-Dichlorobenzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	4.7	4.7	ug/L
BK42202	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	10	0.04	0.04	ug/L
BK42202	\$8260DP25R	Hexachlorobutadiene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.5	0.5	ug/L
BK42202	\$8260DP25R	Naphthalene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	20	5	5	ug/L
BK42202	\$8260DP25R	Naphthalene	NY / TOGS - Water Quality / GA Criteria	ND	20	10	10	ug/L
BK42203	\$8260DP25R	Acrolein	NY / TOGS - Water Quality / GA Criteria	ND	13	5	5	ug/L
BK42203	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	150	20	2	2	ug/L
BK42203	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	150	20	2	2	ug/L
BK42203	\$8260DP25R	Chloroethane	NY / TOGS - Water Quality / GA Criteria	20	25	5	5	ug/L
BK42203	\$8260DP25R	trans-1,2-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	11	25	5	5	ug/L
BK42203	\$8260DP25R	trans-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	11	25	5	5	ug/L
BK42203	\$8260DP25R	Acrylonitrile	NY / TOGS - Water Quality / GA Criteria	ND	13	5	5	ug/L
BK42203	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	430	20	5	5	ug/L
BK42203	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	7.5	3.5	0.7	0.7	ug/L
BK42203	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	7.5	3.5	1	1	ug/L
BK42203	\$8260DP25R	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	3.0	0.6	0.6	ug/L
BK42203	\$8260DP25R	1,2-Dichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BK42203	\$8260DP25R	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	2.0	0.4	0.4	ug/L
BK42203	\$8260DP25R	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	2.0	0.4	0.4	ug/L
BK42203	\$8260DP25R	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BK42203	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.0006	0.0006	ug/L
BK42203	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.04	0.04	ug/L
BK42203	\$8260DP25R	trans-1,4-dichloro-2-butene	NY / TOGS - Water Quality / GA Criteria	ND	13	5	5	ug/L
BK42203	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.04	0.04	ug/L
BK42203	\$8260DP25R	Hexachlorobutadiene	NY / TOGS - Water Quality / GA Criteria	ND	2.5	0.5	0.5	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

September 29, 2016

SDG I.D.: GBK42201

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



Thursday, August 18, 2016

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

Project ID: 34-11 BEACH CHANNEL DR QUEENS NY
Sample ID#s: BN88313 - BN88317

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.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. 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



**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: Environmental Business Consultants
Project: 34-11 BEACH CHANNEL DR QUEENS NY
Laboratory Project: GBN88313



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

August 18, 2016

SDG I.D.: GBN88313

Environmental Business Consultants 34-11 BEACH CHANNEL DR QUEENS NY

Methodology Summary

Volatiles

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update V, Method 8260C and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 624) as printed in 40CFR part 136.

Sample Id Cross Reference

Client Id	Lab Id	Matrix
15 MW 1	BN88313	GROUND WATER
15 MW 2	BN88314	GROUND WATER
15 MW 3	BN88315	GROUND WATER
GW DUPLICATE	BN88316	GROUND WATER
TRIP BLANK	BN88317	GROUND WATER



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

August 18, 2016

SDG I.D.: GBN88313

Environmental Business Consultants 34-11 BEACH CHANNEL DR QUEENS NY

Laboratory Chronicle

The samples in this delivery group were received at 4°C.

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
BN88313	Volatiles	08/05/16	08/09/16	08/09/16	MH	Y
BN88314	Volatiles	08/05/16	08/09/16	08/09/16	MH	Y
BN88315	Client MS/MSD	08/05/16	08/08/16	08/08/16		Y
BN88315	Volatiles	08/05/16	08/09/16	08/09/16	MH	Y
BN88316	Volatiles	08/05/16	08/08/16	08/08/16	MH	Y
BN88317	Volatiles	08/05/16	08/08/16	08/08/16	MH	Y



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



SDG Comments

August 18, 2016

SDG I.D.: GBN88313

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.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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 18, 2016

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

Date

08/05/16

Time

15:44

Laboratory Data

SDG ID: GBN88313
Phoenix ID: BN88313

Project ID: 34-11 BEACH CHANNEL DR QUEENS NY
Client ID: 15 MW 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,1-Dichloroethene	1.1	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	08/08/16	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	08/08/16	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	08/08/16	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	08/08/16	MH	SW8260C

Client ID: 15 MW 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	3.5	JS 5.0	2.5	ug/L	1	08/08/16	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	08/08/16	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	08/08/16	MH	SW8260C
Benzene	1.1	0.70	0.25	ug/L	1	08/08/16	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
cis-1,2-Dichloroethene	300	D 20	5.0	ug/L	20	08/09/16	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	08/08/16	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	08/08/16	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	08/08/16	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	08/08/16	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	08/08/16	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	08/08/16	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
trans-1,2-Dichloroethene	22	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	08/08/16	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	08/08/16	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Vinyl chloride	420	D 20	5.0	ug/L	20	08/09/16	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	98			%	1	08/08/16	MH	70 - 130 %
% Bromofluorobenzene	94			%	1	08/08/16	MH	70 - 130 %
% Dibromofluoromethane	97			%	1	08/08/16	MH	70 - 130 %

Client ID: 15 MW 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99			%	1	08/08/16	MH	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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

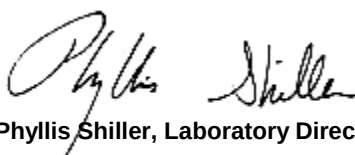
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

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 18, 2016

Reviewed and Released by: Jon Carlson, Project Manager



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 18, 2016

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

Date

08/05/16

Time

15:44

Laboratory Data

SDG ID: GBN88313
Phoenix ID: BN88314

Project ID: 34-11 BEACH CHANNEL DR QUEENS NY
Client ID: 15 MW 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	08/08/16	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	08/08/16	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	08/08/16	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	08/08/16	MH	SW8260C

Client ID: 15 MW 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	08/08/16	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	08/08/16	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	08/08/16	MH	SW8260C
Benzene	1.1	0.70	0.25	ug/L	1	08/08/16	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
cis-1,2-Dichloroethene	25	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	08/08/16	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	08/08/16	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	08/08/16	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	08/08/16	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	08/08/16	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
o-Xylene	0.86	J 1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	08/08/16	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
trans-1,2-Dichloroethene	5.5	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	08/08/16	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	08/08/16	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Vinyl chloride	240	D 20	5.0	ug/L	20	08/09/16	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	08/08/16	MH	70 - 130 %
% Bromofluorobenzene	93			%	1	08/08/16	MH	70 - 130 %
% Dibromofluoromethane	97			%	1	08/08/16	MH	70 - 130 %

B

1

Client ID: 15 MW 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98			%	1	08/08/16	MH	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.

B = Present in blank, no bias suspected.

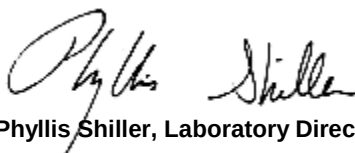
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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 18, 2016

Reviewed and Released by: Jon Carlson, Project Manager



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 18, 2016

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

Date

08/05/16

Time

08/08/16 15:44

Laboratory Data

SDG ID: GBN88313
Phoenix ID: BN88315

Project ID: 34-11 BEACH CHANNEL DR QUEENS NY
Client ID: 15 MW 3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	08/08/16	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	08/08/16	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	08/08/16	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	08/08/16	MH	SW8260C

Client ID: 15 MW 3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	08/08/16	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	08/08/16	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	08/08/16	MH	SW8260C
Benzene	0.49	J 0.70	0.25	ug/L	1	08/08/16	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Chloromethane	0.30	J 5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
cis-1,2-Dichloroethene	72	D 10	2.5	ug/L	10	08/09/16	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	08/08/16	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	08/08/16	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	08/08/16	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	08/08/16	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	08/08/16	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	08/08/16	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
trans-1,2-Dichloroethene	1.0	J 5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	08/08/16	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	08/08/16	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Vinyl chloride	49	D 10	2.5	ug/L	10	08/09/16	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	1	08/08/16	MH	70 - 130 %
% Bromofluorobenzene	95			%	1	08/08/16	MH	70 - 130 %
% Dibromofluoromethane	96			%	1	08/08/16	MH	70 - 130 %

Client ID: 15 MW 3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	101			%	1	08/08/16	MH	70 - 130 %
Client MS/MSD	Completed					08/08/16		

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.

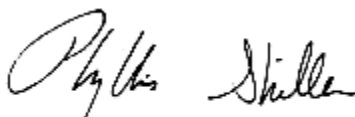
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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 18, 2016

Reviewed and Released by: Jon Carlson, Project Manager



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 18, 2016

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

Date

08/05/16

Time

15:44

Laboratory Data

SDG ID: GBN88313
Phoenix ID: BN88316

Project ID: 34-11 BEACH CHANNEL DR QUEENS NY
Client ID: GW DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	08/09/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	08/09/16	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	08/09/16	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	08/09/16	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	08/09/16	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	08/09/16	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	08/09/16	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	08/09/16	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	08/09/16	MH	SW8260C
Benzene	1.1	0.70	0.25	ug/L	1	08/09/16	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	08/09/16	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	08/09/16	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	08/09/16	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	08/09/16	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	08/09/16	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	08/09/16	MH	SW8260C
cis-1,2-Dichloroethene	25	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	08/09/16	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	08/09/16	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	08/09/16	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	08/09/16	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	08/09/16	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
o-Xylene	0.92	J 1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	08/09/16	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
trans-1,2-Dichloroethene	5.8	5.0	0.25	ug/L	1	08/09/16	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	08/09/16	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	08/09/16	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	08/09/16	MH	SW8260C
Vinyl chloride	270	D 20	5.0	ug/L	20	08/08/16	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	08/09/16	MH	70 - 130 %
% Bromofluorobenzene	99			%	1	08/09/16	MH	70 - 130 %
% Dibromofluoromethane	93			%	1	08/09/16	MH	70 - 130 %

B

1

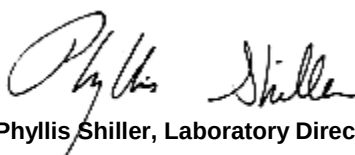
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	101			%	1	08/09/16	MH	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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 18, 2016

Reviewed and Released by: Jon Carlson, Project Manager



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 18, 2016

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

Date

08/05/16

Time

15:44

Laboratory Data

SDG ID: GBN88313
Phoenix ID: BN88317

Project ID: 34-11 BEACH CHANNEL DR QUEENS NY
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	08/08/16	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	08/08/16	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	08/08/16	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	08/08/16	MH	SW8260C

Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	08/08/16	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	08/08/16	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	08/08/16	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	08/08/16	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	08/08/16	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	08/08/16	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	08/08/16	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	08/08/16	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	08/08/16	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	08/08/16	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	08/08/16	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	08/08/16	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	08/08/16	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	08/08/16	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	08/08/16	MH	70 - 130 %
% Bromofluorobenzene	95			%	1	08/08/16	MH	70 - 130 %
% Dibromofluoromethane	101			%	1	08/08/16	MH	70 - 130 %

B

1

Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	100			%	1	08/08/16	MH	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.

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 Limit1

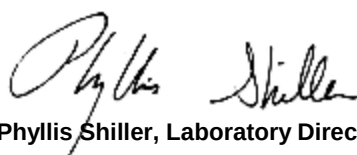
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

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 18, 2016

Reviewed and Released by: Jon Carlson, Project Manager



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QA/QC Report

August 18, 2016

QA/QC Data

SDG I.D.: GBN88313

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 355204 (ug/L), QC Sample No: BN87324 (BN88313 (20X) , BN88314 (20X) , BN88315 (10X) , BN88316)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	104	102	1.9				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	99	99	0.0				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	108	97	10.7				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	104	90	14.4				70 - 130	30
1,1-Dichloroethane	ND	1.0	100	98	2.0				70 - 130	30
1,1-Dichloroethene	ND	1.0	100	104	3.9				70 - 130	30
1,1-Dichloropropene	ND	1.0	103	105	1.9				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	125	107	15.5				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	107	96	10.8				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	116	106	9.0				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	98	98	0.0				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	114	102	11.1				70 - 130	30
1,2-Dibromoethane	ND	1.0	108	99	8.7				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	103	99	4.0				70 - 130	30
1,2-Dichloroethane	ND	1.0	106	95	10.9				70 - 130	30
1,2-Dichloropropane	ND	1.0	104	98	5.9				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	102	101	1.0				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	102	101	1.0				70 - 130	30
1,3-Dichloropropane	ND	1.0	105	97	7.9				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	102	100	2.0				70 - 130	30
2,2-Dichloropropane	ND	1.0	108	107	0.9				70 - 130	30
2-Chlorotoluene	ND	1.0	101	102	1.0				70 - 130	30
2-Hexanone	ND	5.0	100	85	16.2				70 - 130	30
2-Isopropyltoluene	ND	1.0	100	100	0.0				70 - 130	30
4-Chlorotoluene	ND	1.0	99	99	0.0				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	104	87	17.8				70 - 130	30
Acetone	ND	5.0	77	65	16.9				70 - 130	30
Acrolein	ND	5.0	122	101	18.8				70 - 130	30
Acrylonitrile	ND	5.0	115	94	20.1				70 - 130	30
Benzene	ND	0.70	99	95	4.1				70 - 130	30
Bromobenzene	ND	1.0	103	101	2.0				70 - 130	30
Bromochloromethane	ND	1.0	103	93	10.2				70 - 130	30
Bromodichloromethane	ND	0.50	107	99	7.8				70 - 130	30
Bromoform	ND	1.0	109	98	10.6				70 - 130	30
Bromomethane	ND	1.0	70	75	6.9				70 - 130	30
Carbon Disulfide	ND	1.0	109	112	2.7				70 - 130	30
Carbon tetrachloride	ND	1.0	100	101	1.0				70 - 130	30
Chlorobenzene	ND	1.0	101	101	0.0				70 - 130	30
Chloroethane	ND	1.0	99	103	4.0				70 - 130	30
Chloroform	ND	1.0	101	95	6.1				70 - 130	30
Chloromethane	ND	1.0	92	92	0.0				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	102	97	5.0				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	104	94	10.1				70 - 130	30
Dibromochloromethane	ND	0.50	114	103	10.1				70 - 130	30
Dibromomethane	ND	1.0	105	93	12.1				70 - 130	30
Dichlorodifluoromethane	ND	1.0	118	122	3.3				70 - 130	30
Ethylbenzene	ND	1.0	99	100	1.0				70 - 130	30

QA/QC Data

SDG I.D.: GBN88313

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Hexachlorobutadiene	ND	0.40	107	114	6.3				70 - 130	30
Isopropylbenzene	ND	1.0	98	100	2.0				70 - 130	30
m&p-Xylene	ND	1.0	98	98	0.0				70 - 130	30
Methyl ethyl ketone	ND	5.0	106	83	24.3				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	107	89	18.4				70 - 130	30
Methylene chloride	ND	1.0	99	91	8.4				70 - 130	30
Naphthalene	ND	1.0	125	110	12.8				70 - 130	30
n-Butylbenzene	ND	1.0	103	98	5.0				70 - 130	30
n-Propylbenzene	ND	1.0	97	97	0.0				70 - 130	30
o-Xylene	ND	1.0	99	97	2.0				70 - 130	30
p-Isopropyltoluene	ND	1.0	102	100	2.0				70 - 130	30
sec-Butylbenzene	ND	1.0	103	98	5.0				70 - 130	30
Styrene	ND	1.0	106	103	2.9				70 - 130	30
tert-Butylbenzene	ND	1.0	99	97	2.0				70 - 130	30
Tetrachloroethene	ND	1.0	100	100	0.0				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	102	79	25.4				70 - 130	30
Toluene	ND	1.0	97	95	2.1				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	101	102	1.0				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	107	94	12.9				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	104	92	12.2				70 - 130	30
Trichloroethene	ND	1.0	100	101	1.0				70 - 130	30
Trichlorofluoromethane	ND	1.0	93	96	3.2				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	97	98	1.0				70 - 130	30
Vinyl chloride	ND	1.0	96	101	5.1				70 - 130	30
% 1,2-dichlorobenzene-d4	99	%	100	98	2.0				70 - 130	30
% Bromofluorobenzene	97	%	102	100	2.0				70 - 130	30
% Dibromofluoromethane	94	%	98	90	8.5				70 - 130	30
% Toluene-d8	100	%	100	100	0.0				70 - 130	30

Comment:

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

QA/QC Batch 355096 (ug/L), QC Sample No: BN88315 (BN88314, BN88315, BN88316 (20X) , BN88317)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	91	96	5.3	112	116	3.5	70 - 130	30
1,1,1-Trichloroethane	ND	1.0	87	90	3.4	115	117	1.7	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	88	97	9.7	109	114	4.5	70 - 130	30
1,1,2-Trichloroethane	ND	1.0	82	93	12.6	106	107	0.9	70 - 130	30
1,1-Dichloroethane	ND	1.0	87	91	4.5	112	113	0.9	70 - 130	30
1,1-Dichloroethene	ND	1.0	89	91	2.2	119	122	2.5	70 - 130	30
1,1-Dichloropropene	ND	1.0	90	90	0.0	116	120	3.4	70 - 130	30
1,2,3-Trichlorobenzene	0.46 JB	1.0	92	110	17.8	95	123	25.7	70 - 130	30
1,2,3-Trichloropropane	ND	1.0	88	96	8.7	107	110	2.8	70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	94	102	8.2	97	115	17.0	70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	92	91	1.1	99	106	6.8	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	95	100	5.1	104	117	11.8	70 - 130	30
1,2-Dibromoethane	ND	1.0	89	98	9.6	112	113	0.9	70 - 130	30
1,2-Dichlorobenzene	ND	1.0	92	96	4.3	93	110	16.7	70 - 130	30
1,2-Dichloroethane	ND	1.0	84	91	8.0	116	115	0.9	70 - 130	30
1,2-Dichloropropane	ND	1.0	87	95	8.8	111	113	1.8	70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	94	93	1.1	103	110	6.6	70 - 130	30
1,3-Dichlorobenzene	ND	1.0	93	96	3.2	101	109	7.6	70 - 130	30
1,3-Dichloropropane	ND	1.0	88	96	8.7	109	112	2.7	70 - 130	30
1,4-Dichlorobenzene	ND	1.0	92	95	3.2	101	107	5.8	70 - 130	30
2,2-Dichloropropane	ND	1.0	90	92	2.2	106	107	0.9	70 - 130	30
2-Chlorotoluene	ND	1.0	94	93	1.1	105	109	3.7	70 - 130	30
2-Hexanone	ND	5.0	80	92	14.0	101	105	3.9	70 - 130	30
2-Isopropyltoluene	ND	1.0	93	93	0.0	102	106	3.8	70 - 130	30
4-Chlorotoluene	ND	1.0	94	95	1.1	100	107	6.8	70 - 130	30
4-Methyl-2-pentanone	ND	5.0	79	97	20.5	108	113	4.5	70 - 130	30

QA/QC Data

SDG I.D.: GBN88313

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Acetone	ND	5.0	61	74	19.3	82	90	9.3	70 - 130	30	I
Acrolein	ND	5.0	87	108	21.5	119	110	7.9	70 - 130	30	
Acrylonitrile	ND	5.0	83	92	10.3	111	102	8.5	70 - 130	30	
Benzene	ND	0.70	85	89	4.6	109	110	0.9	70 - 130	30	
Bromobenzene	ND	1.0	94	96	2.1	106	110	3.7	70 - 130	30	
Bromochloromethane	ND	1.0	82	95	14.7	108	108	0.0	70 - 130	30	
Bromodichloromethane	ND	0.50	85	95	11.1	115	116	0.9	70 - 130	30	
Bromoform	ND	1.0	89	100	11.6	108	114	5.4	70 - 130	30	
Bromomethane	ND	1.0	96	101	5.1	72	64	11.8	70 - 130	30	m
Carbon Disulfide	ND	1.0	91	92	1.1	125	129	3.1	70 - 130	30	
Carbon tetrachloride	ND	1.0	87	91	4.5	115	119	3.4	70 - 130	30	
Chlorobenzene	ND	1.0	91	95	4.3	108	111	2.7	70 - 130	30	
Chloroethane	ND	1.0	90	93	3.3	123	138	11.5	70 - 130	30	m
Chloroform	ND	1.0	84	91	8.0	111	110	0.9	70 - 130	30	
Chloromethane	ND	1.0	91	94	3.2	114	114	0.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	1.0	87	93	6.7	NC	NC	NC	70 - 130	30	
cis-1,3-Dichloropropene	ND	0.40	87	95	8.8	105	106	0.9	70 - 130	30	
Dibromochloromethane	ND	0.50	91	97	6.4	116	123	5.9	70 - 130	30	
Dibromomethane	ND	1.0	84	94	11.2	107	112	4.6	70 - 130	30	
Dichlorodifluoromethane	ND	1.0	100	102	2.0	125	138	9.9	70 - 130	30	m
Ethylbenzene	ND	1.0	89	90	1.1	107	112	4.6	70 - 130	30	
Hexachlorobutadiene	0.15 JB	0.40	102	96	6.1	99	109	9.6	70 - 130	30	
Isopropylbenzene	ND	1.0	94	92	2.2	104	110	5.6	70 - 130	30	
m&p-Xylene	ND	1.0	88	89	1.1	105	109	3.7	70 - 130	30	
Methyl ethyl ketone	ND	5.0	76	85	11.2	105	108	2.8	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	78	95	19.7	111	112	0.9	70 - 130	30	
Methylene chloride	ND	1.0	83	91	9.2	106	105	0.9	70 - 130	30	
Naphthalene	ND	1.0	95	107	11.9	99	125	23.2	70 - 130	30	
n-Butylbenzene	ND	1.0	91	92	1.1	97	105	7.9	70 - 130	30	
n-Propylbenzene	ND	1.0	93	92	1.1	99	105	5.9	70 - 130	30	
o-Xylene	ND	1.0	89	91	2.2	104	109	4.7	70 - 130	30	
p-Isopropyltoluene	ND	1.0	92	92	0.0	101	108	6.7	70 - 130	30	
sec-Butylbenzene	ND	1.0	89	91	2.2	104	111	6.5	70 - 130	30	
Styrene	ND	1.0	92	96	4.3	109	115	5.4	70 - 130	30	
tert-Butylbenzene	ND	1.0	92	91	1.1	101	109	7.6	70 - 130	30	
Tetrachloroethene	ND	1.0	87	91	4.5	106	112	5.5	70 - 130	30	
Tetrahydrofuran (THF)	ND	2.5	71	90	23.6	99	99	0.0	70 - 130	30	
Toluene	ND	1.0	85	89	4.6	107	109	1.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	1.0	90	92	2.2	113	116	2.6	70 - 130	30	
trans-1,3-Dichloropropene	ND	0.40	86	97	12.0	105	108	2.8	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	93	102	9.2	79	79	0.0	70 - 130	30	
Trichloroethene	ND	1.0	89	92	3.3	111	114	2.7	70 - 130	30	
Trichlorofluoromethane	ND	1.0	88	89	1.1	106	111	4.6	70 - 130	30	
Trichlorotrifluoroethane	ND	1.0	88	89	1.1	93	106	13.1	70 - 130	30	
Vinyl chloride	ND	1.0	92	94	2.2	NC	NC	NC	70 - 130	30	
% 1,2-dichlorobenzene-d4	97	%	98	101	3.0	86	101	16.0	70 - 130	30	
% Bromofluorobenzene	94	%	98	100	2.0	103	103	0.0	70 - 130	30	
% Dibromofluoromethane	97	%	90	97	7.5	96	92	4.3	70 - 130	30	
% Toluene-d8	100	%	99	99	0.0	101	100	1.0	70 - 130	30	

I = This parameter is outside laboratory LCS/LCSD specified recovery limits.

m = This parameter is outside laboratory MS/MSD specified recovery limits.

QA/QC Data

SDG I.D.: GBN88313

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

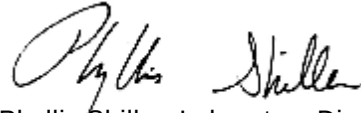
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director
August 18, 2016

Sample Criteria Exceedences Report

Criteria: NY: GW

GBN88313 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BN88313	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	420	20	2	2	ug/L
BN88313	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	420	20	2	2	ug/L
BN88313	\$8260DP25R	trans-1,2-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	22	5.0	5	5	ug/L
BN88313	\$8260DP25R	trans-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	22	5.0	5	5	ug/L
BN88313	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	300	20	5	5	ug/L
BN88313	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	1.1	0.70	0.7	0.7	ug/L
BN88313	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	1.1	0.70	1	1	ug/L
BN88313	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BN88313	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BN88313	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BN88314	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	240	20	2	2	ug/L
BN88314	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	240	20	2	2	ug/L
BN88314	\$8260DP25R	trans-1,2-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	5.5	5.0	5	5	ug/L
BN88314	\$8260DP25R	trans-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	5.5	5.0	5	5	ug/L
BN88314	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	25	1.0	5	5	ug/L
BN88314	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	1.1	0.70	0.7	0.7	ug/L
BN88314	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	1.1	0.70	1	1	ug/L
BN88314	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BN88314	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BN88314	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BN88315	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	49	10	2	2	ug/L
BN88315	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	49	10	2	2	ug/L
BN88315	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	72	10	5	5	ug/L
BN88315	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BN88315	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BN88315	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BN88316	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	270	20	2	2	ug/L
BN88316	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	270	20	2	2	ug/L
BN88316	\$8260DP25R	trans-1,2-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	5.8	5.0	5	5	ug/L
BN88316	\$8260DP25R	trans-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	5.8	5.0	5	5	ug/L
BN88316	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	25	1.0	5	5	ug/L
BN88316	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	1.1	0.70	0.7	0.7	ug/L
BN88316	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	1.1	0.70	1	1	ug/L
BN88316	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BN88316	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BN88316	\$8260DP25R	1,2-Dibromo-3-chloropropane	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

August 18, 2016

SDG I.D.: GBN88313

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

Sarah Bell

From: Patrick Recio <precio@ebcincny.com>
Sent: Tuesday, September 27, 2016 10:12 AM
To: Sarah Bell
Cc: 'Kevin Brussee'
Subject: RE: GBK42201 - 34-11 Beach Channel Drive

Alright that will be fine and about the NY EZ EDD (ASP) that would be the data format, I'm sorry that I wasn't clear about that.

Patrick Recio
Environmental Scientist

EBC

Environmental Business Consultants

Ph: 631.504.6000 ext. 119

Fax: 631.924.2870

Cell: 516.220.2997

precio@ebcincny.com

From: Sarah Bell [<mailto:sarah@phoenixlabs.com>]
Sent: Tuesday, September 27, 2016 10:08 AM
To: Patrick Recio
Cc: 'Kevin Brussee'
Subject: RE: GBK42201 - 34-11 Beach Channel Drive

You need a NJ EZ EDD? I don't know what a NY one is. We can do an ASP B Deliverable. I would think we would need at least a week. Get back to me on the NY EZ EDD?

Sarah Bell
Client Services - ~~Project Manager~~
Accounts Receivable
Phoenix Environmental Laboratories
587 East Middle Turnpike
Manchester, CT 06040
Ph: 1-860-645-1102

From: Patrick Recio [<mailto:precio@ebcincny.com>]
Sent: Monday, September 26, 2016 4:07 PM
To: Sarah Bell
Cc: 'Kevin Brussee'
Subject: GBK42201 - 34-11 Beach Channel Drive

Hi Sarah,

I need to see if you can run NY EZ EDD (ASP) and NY Enhanced (ASP B) deliverables for SDG GBK42201 for 34-11 Beach Channel Drive. Also, I need to see if these can be rushed.

Thanks,

Patrick Recio



Wednesday, September 28, 2016

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

Project ID: 34-11 BEACH CHANNEL DR.
Sample ID#s: BV22294 - BV22298

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 that reads "Phyllis Shiller". The signature is written in a cursive style.

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

September 28, 2016

SDG I.D.: GBV22294

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.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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



Analysis Report

September 28, 2016

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: 24 Hour
P.O.#:

Custody Information

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

Date

09/20/16

Time

16:28

Laboratory Data

SDG ID: GBV22294
Phoenix ID: BV22294

Project ID: 34-11 BEACH CHANNEL DR.
Client ID: 15MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,1-Dichloroethene	0.78	J 1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	09/25/16	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	09/25/16	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	09/25/16	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	09/25/16	MH	SW8260C

Client ID: 15MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	4.3	JS 5.0	2.5	ug/L	1	09/25/16	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	09/25/16	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	09/25/16	MH	SW8260C
Benzene	0.84	0.70	0.25	ug/L	1	09/25/16	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Chloromethane	0.74	J 5.0	0.25	ug/L	1	09/25/16	MH	SW8260C
cis-1,2-Dichloroethene	230	10	2.5	ug/L	10	09/25/16	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/25/16	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	09/25/16	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	09/25/16	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	09/25/16	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	09/25/16	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	09/25/16	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
trans-1,2-Dichloroethene	9.7	5.0	0.25	ug/L	1	09/25/16	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/25/16	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	09/25/16	MH	SW8260C
Trichloroethene	0.30	J 1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Vinyl chloride	130	10	2.5	ug/L	10	09/25/16	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	103			%	1	09/25/16	MH	70 - 130 %
% Bromofluorobenzene	100			%	1	09/25/16	MH	70 - 130 %
% Dibromofluoromethane	109			%	1	09/25/16	MH	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	101			%	1	09/25/16	MH	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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

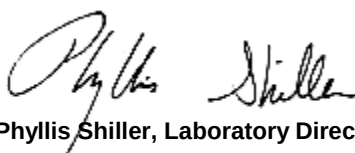
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

September 28, 2016

Reviewed and Released by: Ethan Lee, Project Manager



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



Analysis Report

September 28, 2016

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: 24 Hour
P.O.#:

Custody Information

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

Date

09/20/16

Time

16:28

Laboratory Data

SDG ID: GBV22294
Phoenix ID: BV22295

Project ID: 34-11 BEACH CHANNEL DR.
Client ID: 15MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	09/22/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	09/22/16	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	09/22/16	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	09/22/16	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	09/22/16	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	09/22/16	MH	SW8260C

Client ID: 15MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	09/22/16	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	09/22/16	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	09/22/16	MH	SW8260C
Benzene	0.80	0.70	0.25	ug/L	1	09/22/16	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	09/22/16	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	09/22/16	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	09/22/16	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	09/22/16	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	09/22/16	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	09/22/16	MH	SW8260C
cis-1,2-Dichloroethene	18	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/22/16	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	09/22/16	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	09/22/16	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	09/22/16	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	09/22/16	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
o-Xylene	0.71	J 1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	09/22/16	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
trans-1,2-Dichloroethene	4.6	J 5.0	0.25	ug/L	1	09/22/16	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/22/16	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	09/22/16	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	09/22/16	MH	SW8260C
Vinyl chloride	160	10	2.5	ug/L	10	09/25/16	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	98			%	1	09/22/16	MH	70 - 130 %
% Bromofluorobenzene	98			%	1	09/22/16	MH	70 - 130 %
% Dibromofluoromethane	98			%	1	09/22/16	MH	70 - 130 %

Client ID: 15MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99			%	1	09/22/16	MH	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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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

September 28, 2016

Reviewed and Released by: Ethan Lee, Project Manager



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



Analysis Report

September 28, 2016

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: 24 Hour
P.O.#:

Custody Information

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

Date

09/20/16

Time

16:28

Laboratory Data

SDG ID: GBV22294
Phoenix ID: BV22296

Project ID: 34-11 BEACH CHANNEL DR.
Client ID: 15MW3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	09/25/16	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	09/25/16	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	09/25/16	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	09/25/16	MH	SW8260C

Client ID: 15MW3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	2.7	JS 5.0	2.5	ug/L	1	09/25/16	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	09/25/16	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	09/25/16	MH	SW8260C
Benzene	0.75	0.70	0.25	ug/L	1	09/25/16	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	09/25/16	MH	SW8260C
cis-1,2-Dichloroethene	24	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/25/16	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	09/25/16	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	09/25/16	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	09/25/16	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	09/25/16	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	09/25/16	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
trans-1,2-Dichloroethene	0.96	J 5.0	0.25	ug/L	1	09/25/16	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/25/16	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	09/25/16	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
Vinyl chloride	18	1.0	0.25	ug/L	1	09/25/16	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	1	09/25/16	MH	70 - 130 %
% Bromofluorobenzene	95			%	1	09/25/16	MH	70 - 130 %
% Dibromofluoromethane	97			%	1	09/25/16	MH	70 - 130 %

Client ID: 15MW3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	102			%	1	09/25/16	MH	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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

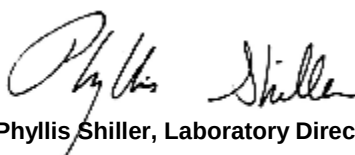
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

September 28, 2016

Reviewed and Released by: Ethan Lee, Project Manager



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



Analysis Report

September 28, 2016

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: 24 Hour
P.O.#:

Custody Information

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

Date

09/20/16
09/22/16

Time

16:28

Laboratory Data

SDG ID: GBV22294
Phoenix ID: BV22297

Project ID: 34-11 BEACH CHANNEL DR.
Client ID: GW DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,1-Dichloroethene	0.76	J 1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	09/23/16	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	09/23/16	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	09/23/16	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	09/23/16	MH	SW8260C

Client ID: GW DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	6.1	S 5.0	2.5	ug/L	1	09/23/16	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	09/23/16	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	09/23/16	MH	SW8260C
Benzene	0.70	0.70	0.25	ug/L	1	09/23/16	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Chloromethane	0.64	J 5.0	0.25	ug/L	1	09/23/16	MH	SW8260C
cis-1,2-Dichloroethene	210	20	5.0	ug/L	20	09/25/16	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/23/16	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	09/23/16	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	09/23/16	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	09/23/16	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	09/23/16	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	09/23/16	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
trans-1,2-Dichloroethene	9.8	5.0	0.25	ug/L	1	09/23/16	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/23/16	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	09/23/16	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Vinyl chloride	130	20	5.0	ug/L	20	09/25/16	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	09/23/16	MH	70 - 130 %
% Bromofluorobenzene	102			%	1	09/23/16	MH	70 - 130 %
% Dibromofluoromethane	95			%	1	09/23/16	MH	70 - 130 %

Client ID: GW DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	103			%	1	09/23/16	MH	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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

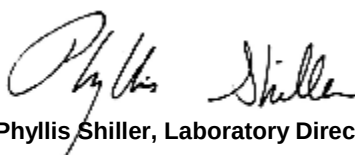
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

September 28, 2016

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report

September 28, 2016

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

Sample Information

Matrix: WATER
Location Code: EBC
Rush Request: 24 Hour
P.O.#:

Custody Information

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

Date

09/20/16

Time

16:28

Laboratory Data

SDG ID: GBV22294
Phoenix ID: BV22298

Project ID: 34-11 BEACH CHANNEL DR.
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	09/23/16	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	09/23/16	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	09/23/16	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	09/23/16	MH	SW8260C

Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	09/23/16	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	09/23/16	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	09/23/16	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	09/23/16	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	09/23/16	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.50	ug/L	1	09/23/16	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/23/16	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	09/23/16	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	09/23/16	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	09/23/16	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	09/23/16	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	09/23/16	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	09/23/16	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/23/16	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	09/23/16	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	09/23/16	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	09/23/16	MH	70 - 130 %
% Bromofluorobenzene	99			%	1	09/23/16	MH	70 - 130 %
% Dibromofluoromethane	92			%	1	09/23/16	MH	70 - 130 %

Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	103			%	1	09/23/16	MH	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 LOD=Limit of Detection MDL=Method Detection Limit1

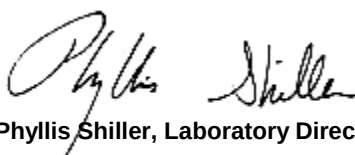
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

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

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Phyllis Shiller, Laboratory Director

September 28, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Sample Criteria Exceedences Report

Criteria: NY: GW

GBV22294 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BV22294	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	0.84	0.70	0.7	0.7	ug/L
BV22294	\$8260DP25R	trans-1,2-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	9.7	5.0	5	5	ug/L
BV22294	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	130	10	2	2	ug/L
BV22294	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	130	10	2	2	ug/L
BV22294	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BV22294	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BV22294	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	230	10	5	5	ug/L
BV22294	\$8260DP25R	trans-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	9.7	5.0	5	5	ug/L
BV22294	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BV22295	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	160	10	2	2	ug/L
BV22295	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	0.80	0.70	0.7	0.7	ug/L
BV22295	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	160	10	2	2	ug/L
BV22295	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	18	1.0	5	5	ug/L
BV22295	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BV22295	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BV22295	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BV22296	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	18	1.0	2	2	ug/L
BV22296	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	0.75	0.70	0.7	0.7	ug/L
BV22296	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BV22296	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	24	1.0	5	5	ug/L
BV22296	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	18	1.0	2	2	ug/L
BV22296	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BV22296	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BV22297	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	0.70	0.70	0.7	0.7	ug/L
BV22297	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	130	20	2	2	ug/L
BV22297	\$8260DP25R	trans-1,2-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	9.8	5.0	5	5	ug/L
BV22297	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BV22297	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BV22297	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BV22297	\$8260DP25R	trans-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	9.8	5.0	5	5	ug/L
BV22297	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	130	20	2	2	ug/L
BV22297	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	210	20	5	5	ug/L
BV22298	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BV22298	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BV22298	\$8260DP25R	1,2-Dibromo-3-chloropropane	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

September 28, 2016

SDG I.D.: GBV22294

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

Cooler Yes ☒ No ☐
Coolant: IPK ☒ ICE ☐
Temp 10 °C Pg 1 of 1

Contact Options:

Fax: ☐
Phone: 631-504-6000
Email: ☒ File

Project P.O.:

Project: 34-11 Beach Channel Drive

Report to: Environmental Business Consultants

Invoice to: Environmental Business Consultants

This section **MUST** be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature Thomas Gallo Date: 9-20-16

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

Analysis Request

VOC & PC

PHOENIX USE ONLY SAMPLE #

Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
22294 15MW1	GW	9-20-16	
22295 15MW2	GW	9-20-16	
22296 15MW3	GW	9-20-16	
22297 GW Duplicate	GW	9-20-16	
22298 Triplicants			

Relinquished by: Thomas Gallo

Accepted by: Wanda Manna

Date: 9-22-16

Time: 9:14

Comments, Special Requirements or Regulations:

Turnaround:

NJ Res. Criteria

NY NY 375 GWP

Data Format

Data Package

State where samples were collected: NY



Tuesday, January 03, 2017

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

Project ID: 34-11 BEACH CHANNEL DR NY
Sample ID#s: BX10251 - BX10254

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. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. 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



**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: Environmental Business Consultants
Project: 34-11 BEACH CHANNEL DR NY
Laboratory Project: GBX10251



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

January 03, 2017

SDG I.D.: GBX10251

Environmental Business Consultants 34-11 BEACH CHANNEL DR NY

Methodology Summary

Volatile Organic Compounds:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III, Method 8260C and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 624) as printed in 40CFR part 136.

Sample Id Cross Reference

Client Id	Lab Id	Matrix
15 MW 1	BX10251	WATER
15 MW 2	BX10252	WATER
15 MW 3	BX10253	WATER
GW DUPLICATE 1220	BX10254	WATER



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

January 03, 2017

SDG I.D.: GBX10251

Environmental Business Consultants 34-11 BEACH CHANNEL DR NY

Laboratory Chronicle

The samples in this delivery group were received at 4°C.

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
BX10251	Client MS/MSD	12/20/16	12/23/16	12/23/16		Y
BX10251	Volatiles	12/20/16	12/23/16	12/23/16	MH	Y
BX10252	Volatiles	12/20/16	12/23/16	12/23/16	MH	Y
BX10253	Volatiles	12/20/16	12/23/16	12/23/16	MH	Y
BX10254	Volatiles	12/20/16	12/23/16	12/23/16	MH	Y
BX10255	On Hold-Not received	12/20/16				Y



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 03, 2017

SDG I.D.: GBX10251

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.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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 03, 2017

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

Sample Information

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

Custody Information

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

Date

12/20/16

Time

16:31

Laboratory Data

SDG ID: GBX10251
Phoenix ID: BX10251

Project ID: 34-11 BEACH CHANNEL DR NY
Client ID: 15 MW 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	12/22/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	12/22/16	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	12/22/16	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/22/16	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,3-Dichlorobenzene	4.0	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	12/22/16	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/22/16	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	12/22/16	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	12/22/16	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	12/22/16	MH	SW8260C
Benzene	0.25	J 0.70	0.25	ug/L	1	12/22/16	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
cis-1,2-Dichloroethene	51	D 5.0	2.5	ug/L	10	12/23/16	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/22/16	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	12/22/16	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	12/22/16	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	12/22/16	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	12/22/16	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	12/22/16	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
trans-1,2-Dichloroethene	4.7	J 5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/22/16	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	12/22/16	MH	SW8260C
Trichloroethene	0.37	J 1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Vinyl chloride	80	D 2.5	2.5	ug/L	10	12/23/16	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	12/22/16	MH	70 - 130 %
% Bromofluorobenzene	95			%	1	12/22/16	MH	70 - 130 %
% Dibromofluoromethane	98			%	1	12/22/16	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98			%	1	12/22/16	MH	70 - 130 %
Client MS/MSD	Completed					12/23/16		

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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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 03, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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 03, 2017

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

Sample Information

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

Custody Information

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

Date

12/20/16

Time

16:31

Laboratory Data

SDG ID: GBX10251
Phoenix ID: BX10252

Project ID: 34-11 BEACH CHANNEL DR NY
Client ID: 15 MW 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	12/22/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	12/22/16	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	12/22/16	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/22/16	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,3-Dichlorobenzene	4.4	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	12/22/16	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/22/16	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	12/22/16	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	12/22/16	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	12/22/16	MH	SW8260C
Benzene	0.77	0.70	0.25	ug/L	1	12/22/16	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
cis-1,2-Dichloroethene	10	D 5.0	1.3	ug/L	5	12/23/16	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/22/16	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	12/22/16	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
m&p-Xylene	0.26	J 1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	12/22/16	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	12/22/16	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	12/22/16	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
o-Xylene	0.95	J 1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	12/22/16	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
trans-1,2-Dichloroethene	5.1	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/22/16	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	12/22/16	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Vinyl chloride	43	D 2.0	1.3	ug/L	5	12/23/16	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	1	12/22/16	MH	70 - 130 %
% Bromofluorobenzene	95			%	1	12/22/16	MH	70 - 130 %
% Dibromofluoromethane	97			%	1	12/22/16	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98			%	1	12/22/16	MH	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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

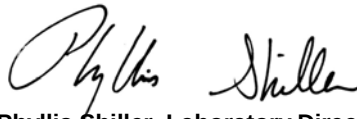
Comments:

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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 03, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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 03, 2017

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

Sample Information

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

Custody Information

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

Date

12/20/16

Time

16:31

Laboratory Data

SDG ID: GBX10251
Phoenix ID: BX10253

Project ID: 34-11 BEACH CHANNEL DR NY
Client ID: 15 MW 3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
1,1,2-Trichloroethane	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
1,1-Dichloroethane	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
1,1-Dichloroethene	51	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
1,1-Dichloropropene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	20	5.0	ug/L	20	12/22/16	MH	SW8260C
1,2,3-Trichloropropane	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	20	5.0	ug/L	20	12/22/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	10	10	ug/L	20	12/22/16	MH	SW8260C
1,2-Dibromoethane	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
1,2-Dichlorobenzene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
1,2-Dichloroethane	ND	10	10	ug/L	20	12/22/16	MH	SW8260C
1,2-Dichloropropane	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
1,3,5-Trimethylbenzene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
1,3-Dichlorobenzene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
1,3-Dichloropropane	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
1,4-Dichlorobenzene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
2,2-Dichloropropane	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
2-Chlorotoluene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
2-Hexanone	ND	50	50	ug/L	20	12/22/16	MH	SW8260C
2-Isopropyltoluene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
4-Chlorotoluene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
4-Methyl-2-pentanone	ND	50	50	ug/L	20	12/22/16	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	50	50	ug/L	20	12/22/16	MH	SW8260C
Acrolein	ND	50	50	ug/L	20	12/22/16	MH	SW8260C
Acrylonitrile	ND	50	50	ug/L	20	12/22/16	MH	SW8260C
Benzene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
Bromobenzene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
Bromochloromethane	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
Bromodichloromethane	ND	20	5.0	ug/L	20	12/22/16	MH	SW8260C
Bromoform	ND	50	5.0	ug/L	20	12/22/16	MH	SW8260C
Bromomethane	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
Carbon Disulfide	ND	20	5.0	ug/L	20	12/22/16	MH	SW8260C
Carbon tetrachloride	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
Chlorobenzene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
Chloroethane	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
Chloroform	ND	7.0	5.0	ug/L	20	12/22/16	MH	SW8260C
Chloromethane	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
cis-1,2-Dichloroethene	11000	D 100	100	ug/L	400	12/23/16	MH	SW8260C
cis-1,3-Dichloropropene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
Dibromochloromethane	ND	20	5.0	ug/L	20	12/22/16	MH	SW8260C
Dibromomethane	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
Dichlorodifluoromethane	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
Ethylbenzene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
Hexachlorobutadiene	ND	4.0	4.0	ug/L	20	12/22/16	MH	SW8260C
Isopropylbenzene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
m&p-Xylene	ND	20	5.0	ug/L	20	12/22/16	MH	SW8260C
Methyl ethyl ketone	ND	50	50	ug/L	20	12/22/16	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	20	5.0	ug/L	20	12/22/16	MH	SW8260C
Methylene chloride	ND	20	20	ug/L	20	12/22/16	MH	SW8260C
Naphthalene	ND	20	20	ug/L	20	12/22/16	MH	SW8260C
n-Butylbenzene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
n-Propylbenzene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
o-Xylene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
p-Isopropyltoluene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
sec-Butylbenzene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
Styrene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
tert-Butylbenzene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
Tetrachloroethene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
Tetrahydrofuran (THF)	ND	50	50	ug/L	20	12/22/16	MH	SW8260C
Toluene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
trans-1,2-Dichloroethene	26	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
trans-1,3-Dichloropropene	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	50	50	ug/L	20	12/22/16	MH	SW8260C
Trichloroethene	1200	D 100	100	ug/L	400	12/23/16	MH	SW8260C
Trichlorofluoromethane	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
Trichlorotrifluoroethane	ND	5.0	5.0	ug/L	20	12/22/16	MH	SW8260C
Vinyl chloride	3900	D 100	100	ug/L	400	12/23/16	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	20	12/22/16	MH	70 - 130 %
% Bromofluorobenzene	94			%	20	12/22/16	MH	70 - 130 %
% Dibromofluoromethane	94			%	20	12/22/16	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99			%	20	12/22/16	MH	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 LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

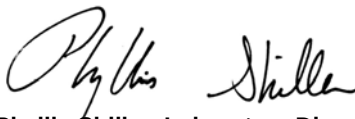
Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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 03, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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 03, 2017

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

Sample Information

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

Custody Information

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

Date

12/20/16

Time

16:31

Laboratory Data

SDG ID: GBX10251
Phoenix ID: BX10254

Project ID: 34-11 BEACH CHANNEL DR NY
Client ID: GW DUPLICATE 1220

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	12/22/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	12/22/16	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	12/22/16	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/22/16	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,3-Dichlorobenzene	4.1	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	12/22/16	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/22/16	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	12/22/16	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	12/22/16	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	12/22/16	MH	SW8260C
Benzene	0.26	J 0.70	0.25	ug/L	1	12/22/16	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
cis-1,2-Dichloroethene	52	D 5.0	1.3	ug/L	5	12/23/16	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/22/16	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	12/22/16	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	12/22/16	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	12/22/16	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	12/22/16	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	12/22/16	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
trans-1,2-Dichloroethene	4.5	J 5.0	0.25	ug/L	1	12/22/16	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/22/16	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	12/22/16	MH	SW8260C
Trichloroethene	ND	1.0	0.50	ug/L	1	12/22/16	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	12/22/16	MH	SW8260C
Vinyl chloride	84	D 2.0	1.3	ug/L	5	12/23/16	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	12/22/16	MH	70 - 130 %
% Bromofluorobenzene	95			%	1	12/22/16	MH	70 - 130 %
% Dibromofluoromethane	95			%	1	12/22/16	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99			%	1	12/22/16	MH	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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

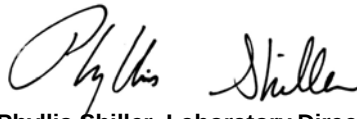
Comments:

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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 03, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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 03, 2017

QA/QC Data

SDG I.D.: GBX10251

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 371158 (ug/L), QC Sample No: BX09744 (BX10251 (10X) , BX10252 (5X) , BX10253 (400X) , BX10254 (5X))										
<u>Volatiles - Water</u>										
cis-1,2-Dichloroethene	ND	1.0	118	94	22.6	101	113	11.2	70 - 130	30
Trichloroethene	ND	1.0	118	94	22.6	101	105	3.9	70 - 130	30
Vinyl chloride	ND	1.0	109	86	23.6	94	108	13.9	70 - 130	30
QA/QC Batch 371007 (ug/L), QC Sample No: BX10251 (BX10251, BX10252, BX10253 (20X) , BX10254)										
<u>Volatiles - Water</u>										
1,1,1,2-Tetrachloroethane	ND	1.0	103	104	1.0	108	108	0.0	70 - 130	30
1,1,1-Trichloroethane	ND	1.0	94	93	1.1	99	101	2.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	105	105	0.0	107	107	0.0	70 - 130	30
1,1,2-Trichloroethane	ND	1.0	97	95	2.1	102	99	3.0	70 - 130	30
1,1-Dichloroethane	ND	1.0	96	95	1.0	103	103	0.0	70 - 130	30
1,1-Dichloroethene	ND	1.0	96	96	0.0	108	109	0.9	70 - 130	30
1,1-Dichloropropene	ND	1.0	95	96	1.0	103	105	1.9	70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	110	103	6.6	117	121	3.4	70 - 130	30
1,2,3-Trichloropropane	ND	1.0	103	100	3.0	105	104	1.0	70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	107	106	0.9	114	117	2.6	70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	103	105	1.9	104	107	2.8	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	107	111	3.7	113	114	0.9	70 - 130	30
1,2-Dibromoethane	ND	1.0	103	101	2.0	107	105	1.9	70 - 130	30
1,2-Dichlorobenzene	ND	1.0	104	105	1.0	109	110	0.9	70 - 130	30
1,2-Dichloroethane	ND	1.0	90	90	0.0	94	94	0.0	70 - 130	30
1,2-Dichloropropane	ND	1.0	100	99	1.0	104	104	0.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	103	105	1.9	105	108	2.8	70 - 130	30
1,3-Dichlorobenzene	ND	1.0	107	108	0.9	108	111	2.7	70 - 130	30
1,3-Dichloropropane	ND	1.0	101	101	0.0	106	103	2.9	70 - 130	30
1,4-Dichlorobenzene	ND	1.0	104	104	0.0	106	108	1.9	70 - 130	30
2,2-Dichloropropane	ND	1.0	99	97	2.0	90	92	2.2	70 - 130	30
2-Chlorotoluene	ND	1.0	108	109	0.9	109	113	3.6	70 - 130	30
2-Hexanone	ND	5.0	81	81	0.0	93	89	4.4	70 - 130	30
2-Isopropyltoluene	ND	1.0	100	103	3.0	103	107	3.8	70 - 130	30
4-Chlorotoluene	ND	1.0	105	107	1.9	107	111	3.7	70 - 130	30
4-Methyl-2-pentanone	ND	5.0	80	78	2.5	90	84	6.9	70 - 130	30
Acetone	ND	5.0	79	77	2.6	98	92	6.3	70 - 130	30
Acrolein	ND	5.0	85	85	0.0	69	70	1.4	70 - 130	30 m
Acrylonitrile	ND	5.0	86	85	1.2	93	84	10.2	70 - 130	30
Benzene	ND	0.70	99	100	1.0	105	106	0.9	70 - 130	30
Bromobenzene	ND	1.0	103	105	1.9	107	109	1.9	70 - 130	30
Bromochloromethane	ND	1.0	97	98	1.0	101	103	2.0	70 - 130	30
Bromodichloromethane	ND	0.50	96	95	1.0	101	103	2.0	70 - 130	30
Bromoform	ND	1.0	102	101	1.0	105	104	1.0	70 - 130	30
Bromomethane	ND	1.0	93	101	8.2	66	91	31.8	70 - 130	30 m,r
Carbon Disulfide	ND	1.0	101	101	0.0	108	111	2.7	70 - 130	30

QA/QC Data

SDG I.D.: GBX10251

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Carbon tetrachloride	ND	1.0	96	95	1.0	102	107	4.8	70 - 130	30
Chlorobenzene	ND	1.0	101	103	2.0	106	107	0.9	70 - 130	30
Chloroethane	ND	1.0	92	89	3.3	95	95	0.0	70 - 130	30
Chloroform	ND	1.0	94	94	0.0	99	100	1.0	70 - 130	30
Chloromethane	ND	1.0	93	95	2.1	105	110	4.7	70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	98	96	2.1	99	98	1.0	70 - 130	30
Dibromochloromethane	ND	0.50	107	105	1.9	110	108	1.8	70 - 130	30
Dibromomethane	ND	1.0	95	96	1.0	104	101	2.9	70 - 130	30
Dichlorodifluoromethane	ND	1.0	115	112	2.6	106	102	3.8	70 - 130	30
Ethylbenzene	ND	1.0	102	104	1.9	107	109	1.9	70 - 130	30
Hexachlorobutadiene	ND	0.40	109	112	2.7	106	114	7.3	70 - 130	30
Isopropylbenzene	ND	1.0	103	105	1.9	107	111	3.7	70 - 130	30
m&p-Xylene	ND	1.0	101	102	1.0	105	108	2.8	70 - 130	30
Methyl ethyl ketone	ND	5.0	81	82	1.2	84	82	2.4	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	101	98	3.0	111	106	4.6	70 - 130	30
Methylene chloride	ND	1.0	92	91	1.1	95	96	1.0	70 - 130	30
Naphthalene	ND	1.0	109	104	4.7	120	123	2.5	70 - 130	30
n-Butylbenzene	ND	1.0	106	109	2.8	107	110	2.8	70 - 130	30
n-Propylbenzene	ND	1.0	102	104	1.9	105	109	3.7	70 - 130	30
o-Xylene	ND	1.0	101	103	2.0	107	109	1.9	70 - 130	30
p-Isopropyltoluene	ND	1.0	104	106	1.9	105	109	3.7	70 - 130	30
sec-Butylbenzene	ND	1.0	109	112	2.7	113	117	3.5	70 - 130	30
Styrene	ND	1.0	101	102	1.0	106	106	0.0	70 - 130	30
tert-Butylbenzene	ND	1.0	104	107	2.8	106	111	4.6	70 - 130	30
Tetrachloroethene	ND	1.0	100	102	2.0	108	107	0.9	70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	91	82	10.4	90	89	1.1	70 - 130	30
Toluene	ND	1.0	98	99	1.0	106	106	0.0	70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	101	100	1.0	106	107	0.9	70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	94	95	1.1	97	94	3.1	70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	99	99	0.0	90	89	1.1	70 - 130	30
Trichloroethene	ND	1.0	101	102	1.0	109	111	1.8	70 - 130	30
Trichlorofluoromethane	ND	1.0	86	85	1.2	90	90	0.0	70 - 130	30
Trichlorotrifluoroethane	ND	1.0	96	95	1.0	94	93	1.1	70 - 130	30
% 1,2-dichlorobenzene-d4	98	%	99	99	0.0	101	100	1.0	70 - 130	30
% Bromofluorobenzene	92	%	96	96	0.0	97	97	0.0	70 - 130	30
% Dibromofluoromethane	92	%	96	95	1.0	96	97	1.0	70 - 130	30
% Toluene-d8	97	%	96	96	0.0	97	97	0.0	70 - 130	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
January 03, 2017

Tuesday, January 03, 2017

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GBX10251 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BX10251	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	80	2.5	2	2	ug/L
BX10251	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	80	2.5	2	2	ug/L
BX10251	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	51	5.0	5	5	ug/L
BX10251	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BX10251	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BX10251	\$8260DP25R	1,3-Dichlorobenzene	NY / TOGS - Water Quality / GA Criteria	4.0	1.0	3	3	ug/L
BX10251	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
BX10252	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	43	2.0	2	2	ug/L
BX10252	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	43	2.0	2	2	ug/L
BX10252	\$8260DP25R	trans-1,2-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	5.1	5.0	5	5	ug/L
BX10252	\$8260DP25R	trans-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	5.1	5.0	5	5	ug/L
BX10252	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	10	5.0	5	5	ug/L
BX10252	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	0.77	0.70	0.7	0.7	ug/L
BX10252	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BX10252	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BX10252	\$8260DP25R	1,3-Dichlorobenzene	NY / TOGS - Water Quality / GA Criteria	4.4	1.0	3	3	ug/L
BX10252	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
BX10253	\$8260DP25R	Acrolein	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BX10253	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	3900	100	2	2	ug/L
BX10253	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	3900	100	2	2	ug/L
BX10253	\$8260DP25R	1,1-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	51	5.0	5	5	ug/L
BX10253	\$8260DP25R	1,1-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	51	5.0	5	5	ug/L
BX10253	\$8260DP25R	Methylene chloride	NY / TAGM - Volatile Organics / Groundwater Standards	ND	20	5	5	ug/L
BX10253	\$8260DP25R	Methylene chloride	NY / TOGS - Water Quality / GA Criteria	ND	20	5	5	ug/L
BX10253	\$8260DP25R	trans-1,2-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	26	5.0	5	5	ug/L
BX10253	\$8260DP25R	trans-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	26	5.0	5	5	ug/L
BX10253	\$8260DP25R	Acrylonitrile	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BX10253	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	11000	100	5	5	ug/L
BX10253	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	0.7	0.7	ug/L
BX10253	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BX10253	\$8260DP25R	1,2-Dichloroethane	NY / TAGM - Volatile Organics / Groundwater Standards	ND	10	5	5	ug/L
BX10253	\$8260DP25R	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	10	0.6	0.6	ug/L
BX10253	\$8260DP25R	Trichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	1200	100	5	5	ug/L
BX10253	\$8260DP25R	Trichloroethene	NY / TOGS - Water Quality / GA Criteria	1200	100	5	5	ug/L
BX10253	\$8260DP25R	1,2-Dichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BX10253	\$8260DP25R	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.4	0.4	ug/L
BX10253	\$8260DP25R	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.4	0.4	ug/L
BX10253	\$8260DP25R	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BX10253	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.0006	0.0006	ug/L
BX10253	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.04	0.04	ug/L

Tuesday, January 03, 2017

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GBX10251 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BX10253	\$8260DP25R	trans-1,4-dichloro-2-butene	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BX10253	\$8260DP25R	1,3-Dichlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	3	3	ug/L
BX10253	\$8260DP25R	1,2-Dichlorobenzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	4.7	4.7	ug/L
BX10253	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	10	0.04	0.04	ug/L
BX10253	\$8260DP25R	Hexachlorobutadiene	NY / TOGS - Water Quality / GA Criteria	ND	4.0	0.5	0.5	ug/L
BX10253	\$8260DP25R	Naphthalene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	20	5	5	ug/L
BX10253	\$8260DP25R	Naphthalene	NY / TOGS - Water Quality / GA Criteria	ND	20	10	10	ug/L
BX10254	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	84	2.0	2	2	ug/L
BX10254	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	84	2.0	2	2	ug/L
BX10254	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	52	5.0	5	5	ug/L
BX10254	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BX10254	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BX10254	\$8260DP25R	1,3-Dichlorobenzene	NY / TOGS - Water Quality / GA Criteria	4.1	1.0	3	3	ug/L
BX10254	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	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 exceedances. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedance 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 03, 2017

SDG I.D.: GBX10251

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

PHOENIX
Environmental Laboratories, Inc.

Client Services (866) 645-8726

Ridge, NY 11961

Invoice to:

Environmental Business Consultants

This section MUST be

This section MUST be completed with Bottle Quantities.

Start Date

B

DATA

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Rec

3.

4

GBX 10251

Shannon Wilhelm

From: Shannon Wilhelm
Sent: Thursday, December 22, 2016 11:16 AM
To: kwaters@ebcincny.com
Subject: 34-11 Beach Channel Dr NY
Attachments: GBX10251-ChainofCustody-1.pdf

Importance: High

Hi Kevin,

Please see attached regarding samples received yesterday. We did not receive trip blanks for these. Please let me know if you have any questions. Thank you.

Shannon Wilhelm
Phoenix Environmental Labs



Thursday, April 06, 2017

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

Project ID: 34-11 BEACH CHANNEL DRIVE NY
Sample ID#s: BX95116 - BX95120

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. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. 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



**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: Environmental Business Consultants
Project: 34-11 BEACH CHANNEL DRIVE NY
Laboratory Project: GBX95116



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

April 06, 2017

SDG I.D.: GBX95116

Environmental Business Consultants 34-11 BEACH CHANNEL DRIVE NY

Methodology Summary

Volatile Organic Compounds:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed.Update III, Method 8260C and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 624) as printed in 40CFR part 136.

Sample Id Cross Reference

Client Id	Lab Id	Matrix
15MW1	BX95116	GROUND WATER
15MW2	BX95117	GROUND WATER
15MW3	BX95118	GROUND WATER
GW DUPLICATE	BX95119	GROUND WATER
TRIP BLANK	BX95120	GROUND WATER



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

April 06, 2017

SDG I.D.: GBX95116

Environmental Business Consultants 34-11 BEACH CHANNEL DRIVE NY

Laboratory Chronicle

The samples in this delivery group were received at 4°C.

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
BX95116	Volatiles	03/27/17	03/29/17	03/29/17	MH	Y
BX95117	Volatiles	03/27/17	03/30/17	03/30/17	MH	Y
BX95118	Volatiles	03/27/17	03/31/17	03/31/17	MH	Y
BX95119	Volatiles	03/27/17	03/30/17	03/30/17	MH	Y
BX95120	Volatiles	03/27/17	03/29/17	03/29/17	MH	Y



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



SDG Comments

April 06, 2017

SDG I.D.: GBX95116

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.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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



Analysis Report

April 06, 2017

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

03/27/17

Time

16:32

Laboratory Data

SDG ID: GBX95116
Phoenix ID: BX95116

Project ID: 34-11 BEACH CHANNEL DRIVE NY
Client ID: 15MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.3	1.3	ug/L	5	03/29/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
1,1-Dichloroethene	1.4 J	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
1,1-Dichloropropene	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
1,2,3-Trichloropropane	ND	1.3	1.3	ug/L	5	03/29/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	2.5	2.5	ug/L	5	03/29/17	MH	SW8260C
1,2-Dibromoethane	ND	1.3	1.3	ug/L	5	03/29/17	MH	SW8260C
1,2-Dichlorobenzene	ND	4.7	1.3	ug/L	5	03/29/17	MH	SW8260C
1,2-Dichloroethane	ND	2.5	2.5	ug/L	5	03/29/17	MH	SW8260C
1,2-Dichloropropane	ND	1.3	1.3	ug/L	5	03/29/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
1,3-Dichlorobenzene	ND	3.0	1.3	ug/L	5	03/29/17	MH	SW8260C
1,3-Dichloropropane	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
1,4-Dichlorobenzene	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
2,2-Dichloropropane	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
2-Chlorotoluene	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
2-Hexanone	ND	13	13	ug/L	5	03/29/17	MH	SW8260C
2-Isopropyltoluene	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
4-Chlorotoluene	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
4-Methyl-2-pentanone	ND	13	13	ug/L	5	03/29/17	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	25	13	ug/L	5	03/29/17	MH	SW8260C
Acrolein	ND	13	13	ug/L	5	03/29/17	MH	SW8260C
Acrylonitrile	ND	13	13	ug/L	5	03/29/17	MH	SW8260C
Benzene	ND	1.3	1.3	ug/L	5	03/29/17	MH	SW8260C
Bromobenzene	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
Bromochloromethane	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
Bromodichloromethane	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
Bromoform	ND	25	1.3	ug/L	5	03/29/17	MH	SW8260C
Bromomethane	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
Carbon Disulfide	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
Carbon tetrachloride	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
Chlorobenzene	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
Chloroethane	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
Chloroform	ND	7.0	1.3	ug/L	5	03/29/17	MH	SW8260C
Chloromethane	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
cis-1,2-Dichloroethene	690	D 13	13	ug/L	50	03/29/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	1.3	1.3	ug/L	5	03/29/17	MH	SW8260C
Dibromochloromethane	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
Dibromomethane	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
Dichlorodifluoromethane	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
Ethylbenzene	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
Hexachlorobutadiene	ND	1.0	1.0	ug/L	5	03/29/17	MH	SW8260C
Isopropylbenzene	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
m&p-Xylene	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
Methyl ethyl ketone	ND	13	13	ug/L	5	03/29/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
Methylene chloride	ND	5.0	5.0	ug/L	5	03/29/17	MH	SW8260C
Naphthalene	ND	5.0	5.0	ug/L	5	03/29/17	MH	SW8260C
n-Butylbenzene	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
n-Propylbenzene	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
o-Xylene	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
p-Isopropyltoluene	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
sec-Butylbenzene	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
Styrene	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
tert-Butylbenzene	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
Tetrachloroethene	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	25	13	ug/L	5	03/29/17	MH	SW8260C
Toluene	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
trans-1,2-Dichloroethene	11	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	1.3	1.3	ug/L	5	03/29/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	13	13	ug/L	5	03/29/17	MH	SW8260C
Trichloroethene	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
Trichlorofluoromethane	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
Trichlorotrifluoroethane	ND	5.0	1.3	ug/L	5	03/29/17	MH	SW8260C
Vinyl chloride	320	D 13	13	ug/L	50	03/29/17	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	5	03/29/17	MH	70 - 130 %
% Bromofluorobenzene	98			%	5	03/29/17	MH	70 - 130 %
% Dibromofluoromethane	101			%	5	03/29/17	MH	70 - 130 %

1

Client ID: 15MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	100			%	5	03/29/17	MH	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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

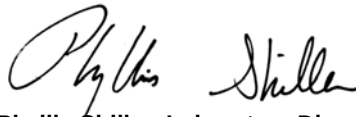
Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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Phyllis Shiller, Laboratory Director

April 06, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

April 06, 2017

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

03/27/17

Time

16:32

Laboratory Data

SDG ID: GBX95116
Phoenix ID: BX95117

Project ID: 34-11 BEACH CHANNEL DRIVE NY
Client ID: 15MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	03/30/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	03/30/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	03/30/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	03/30/17	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	03/30/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	03/30/17	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	03/30/17	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	03/30/17	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	03/30/17	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	03/30/17	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	03/30/17	MH	SW8260C
Benzene	0.74	0.70	0.25	ug/L	1	03/30/17	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	03/30/17	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	03/30/17	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	03/30/17	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	03/30/17	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	03/30/17	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	03/30/17	MH	SW8260C
cis-1,2-Dichloroethene	5.5	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/30/17	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	03/30/17	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	03/30/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	03/30/17	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	03/30/17	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	03/30/17	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
trans-1,2-Dichloroethene	5.1	5.0	0.25	ug/L	1	03/30/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/30/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	03/30/17	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
Vinyl chloride	1.1	1.0	0.25	ug/L	1	03/30/17	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	1	03/30/17	MH	70 - 130 %
% Bromofluorobenzene	101			%	1	03/30/17	MH	70 - 130 %
% Dibromofluoromethane	100			%	1	03/30/17	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	100			%	1	03/30/17	MH	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 LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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Phyllis Shiller, Laboratory Director

April 06, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

April 06, 2017

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

03/27/17

Time

16:32

Laboratory Data

SDG ID: GBX95116
Phoenix ID: BX95118

Project ID: 34-11 BEACH CHANNEL DRIVE NY
Client ID: 15MW3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
1,1,2-Trichloroethane	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
1,1-Dichloroethene	110	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
1,1-Dichloropropene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	20	5.0	ug/L	20	03/30/17	MH	SW8260C
1,2,3-Trichloropropane	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	20	5.0	ug/L	20	03/30/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	10	10	ug/L	20	03/30/17	MH	SW8260C
1,2-Dibromoethane	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
1,2-Dichlorobenzene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
1,2-Dichloroethane	ND	10	10	ug/L	20	03/30/17	MH	SW8260C
1,2-Dichloropropane	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
1,3-Dichlorobenzene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
1,3-Dichloropropane	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
1,4-Dichlorobenzene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
2,2-Dichloropropane	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
2-Chlorotoluene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
2-Hexanone	ND	50	50	ug/L	20	03/30/17	MH	SW8260C
2-Isopropyltoluene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
4-Chlorotoluene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
4-Methyl-2-pentanone	ND	50	50	ug/L	20	03/30/17	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	50	50	ug/L	20	03/30/17	MH	SW8260C
Acrolein	ND	50	50	ug/L	20	03/30/17	MH	SW8260C
Acrylonitrile	ND	50	50	ug/L	20	03/30/17	MH	SW8260C
Benzene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
Bromobenzene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
Bromochloromethane	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
Bromodichloromethane	ND	20	5.0	ug/L	20	03/30/17	MH	SW8260C
Bromoform	ND	50	5.0	ug/L	20	03/30/17	MH	SW8260C
Bromomethane	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
Carbon Disulfide	ND	20	5.0	ug/L	20	03/30/17	MH	SW8260C
Carbon tetrachloride	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
Chlorobenzene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
Chloroethane	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
Chloroform	ND	7.0	5.0	ug/L	20	03/30/17	MH	SW8260C
Chloromethane	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
cis-1,2-Dichloroethene	21000	D 250	250	ug/L	1000	03/31/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
Dibromochloromethane	ND	20	5.0	ug/L	20	03/30/17	MH	SW8260C
Dibromomethane	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
Dichlorodifluoromethane	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
Ethylbenzene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
Hexachlorobutadiene	ND	4.0	4.0	ug/L	20	03/30/17	MH	SW8260C
Isopropylbenzene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
m&p-Xylene	ND	20	5.0	ug/L	20	03/30/17	MH	SW8260C
Methyl ethyl ketone	ND	50	50	ug/L	20	03/30/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	20	5.0	ug/L	20	03/30/17	MH	SW8260C
Methylene chloride	ND	20	20	ug/L	20	03/30/17	MH	SW8260C
Naphthalene	ND	20	20	ug/L	20	03/30/17	MH	SW8260C
n-Butylbenzene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
n-Propylbenzene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
o-Xylene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
p-Isopropyltoluene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
sec-Butylbenzene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
Styrene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
tert-Butylbenzene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
Tetrachloroethene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	50	50	ug/L	20	03/30/17	MH	SW8260C
Toluene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
trans-1,2-Dichloroethene	65	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	50	50	ug/L	20	03/30/17	MH	SW8260C
Trichloroethene	2300	D 50	50	ug/L	200	03/30/17	MH	SW8260C
Trichlorofluoromethane	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
Trichlorotrifluoroethane	ND	5.0	5.0	ug/L	20	03/30/17	MH	SW8260C
Vinyl chloride	5600	D 50	50	ug/L	200	03/30/17	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	20	03/30/17	MH	70 - 130 %
% Bromofluorobenzene	99			%	20	03/30/17	MH	70 - 130 %
% Dibromofluoromethane	102			%	20	03/30/17	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	102			%	20	03/30/17	MH	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 LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

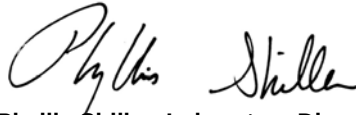
Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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Phyllis Shiller, Laboratory Director

April 06, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

April 06, 2017

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

03/27/17

Time

16:32

Laboratory Data

SDG ID: GBX95116
Phoenix ID: BX95119

Project ID: 34-11 BEACH CHANNEL DRIVE NY
Client ID: GW DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.3	1.3	ug/L	5	03/31/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
1,1-Dichloroethene	1.3	J 5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
1,1-Dichloropropene	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
1,2,3-Trichloropropane	ND	1.3	1.3	ug/L	5	03/31/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	2.5	2.5	ug/L	5	03/31/17	MH	SW8260C
1,2-Dibromoethane	ND	1.3	1.3	ug/L	5	03/31/17	MH	SW8260C
1,2-Dichlorobenzene	ND	4.7	1.3	ug/L	5	03/31/17	MH	SW8260C
1,2-Dichloroethane	ND	2.5	2.5	ug/L	5	03/31/17	MH	SW8260C
1,2-Dichloropropane	ND	1.3	1.3	ug/L	5	03/31/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
1,3-Dichlorobenzene	ND	3.0	1.3	ug/L	5	03/31/17	MH	SW8260C
1,3-Dichloropropane	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
1,4-Dichlorobenzene	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
2,2-Dichloropropane	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
2-Chlorotoluene	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
2-Hexanone	ND	13	13	ug/L	5	03/31/17	MH	SW8260C
2-Isopropyltoluene	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
4-Chlorotoluene	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
4-Methyl-2-pentanone	ND	13	13	ug/L	5	03/31/17	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	25	13	ug/L	5	03/31/17	MH	SW8260C
Acrolein	ND	13	13	ug/L	5	03/31/17	MH	SW8260C
Acrylonitrile	ND	13	13	ug/L	5	03/31/17	MH	SW8260C
Benzene	ND	1.3	1.3	ug/L	5	03/31/17	MH	SW8260C
Bromobenzene	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
Bromochloromethane	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
Bromodichloromethane	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
Bromoform	ND	25	1.3	ug/L	5	03/31/17	MH	SW8260C
Bromomethane	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
Carbon Disulfide	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
Carbon tetrachloride	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
Chlorobenzene	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
Chloroethane	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
Chloroform	ND	7.0	1.3	ug/L	5	03/31/17	MH	SW8260C
Chloromethane	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
cis-1,2-Dichloroethene	600	D 10	10	ug/L	40	03/30/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	1.3	1.3	ug/L	5	03/31/17	MH	SW8260C
Dibromochloromethane	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
Dibromomethane	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
Dichlorodifluoromethane	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
Ethylbenzene	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
Hexachlorobutadiene	ND	1.0	1.0	ug/L	5	03/31/17	MH	SW8260C
Isopropylbenzene	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
m&p-Xylene	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
Methyl ethyl ketone	ND	13	13	ug/L	5	03/31/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
Methylene chloride	ND	5.0	5.0	ug/L	5	03/31/17	MH	SW8260C
Naphthalene	ND	5.0	5.0	ug/L	5	03/31/17	MH	SW8260C
n-Butylbenzene	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
n-Propylbenzene	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
o-Xylene	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
p-Isopropyltoluene	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
sec-Butylbenzene	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
Styrene	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
tert-Butylbenzene	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
Tetrachloroethene	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	25	13	ug/L	5	03/31/17	MH	SW8260C
Toluene	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
trans-1,2-Dichloroethene	10	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	1.3	1.3	ug/L	5	03/31/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	13	13	ug/L	5	03/31/17	MH	SW8260C
Trichloroethene	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
Trichlorofluoromethane	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
Trichlorotrifluoroethane	ND	5.0	1.3	ug/L	5	03/31/17	MH	SW8260C
Vinyl chloride	270	D 10	10	ug/L	40	03/30/17	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	5	03/31/17	MH	70 - 130 %
% Bromofluorobenzene	101			%	5	03/31/17	MH	70 - 130 %
% Dibromofluoromethane	102			%	5	03/31/17	MH	70 - 130 %

1

Client ID: GW DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	101			%	5	03/31/17	MH	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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

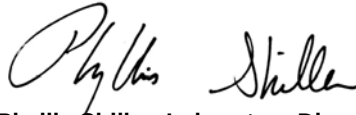
Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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Phyllis Shiller, Laboratory Director

April 06, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

April 06, 2017

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

03/27/17

Time

16:32

Laboratory Data

SDG ID: GBX95116
Phoenix ID: BX95120

Project ID: 34-11 BEACH CHANNEL DRIVE NY
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	03/29/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	03/29/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	03/29/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	03/29/17	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	03/29/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	03/29/17	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	03/29/17	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	03/29/17	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	03/29/17	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	03/29/17	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	03/29/17	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	03/29/17	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	03/29/17	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	03/29/17	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	03/29/17	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	03/29/17	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	03/29/17	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	03/29/17	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/29/17	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	03/29/17	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	03/29/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	03/29/17	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	03/29/17	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	03/29/17	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	03/29/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/29/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	03/29/17	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	03/29/17	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	1	03/29/17	MH	70 - 130 %
% Bromofluorobenzene	100			%	1	03/29/17	MH	70 - 130 %
% Dibromofluoromethane	102			%	1	03/29/17	MH	70 - 130 %

1

Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99			%	1	03/29/17	MH	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 LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

April 06, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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

April 06, 2017

QA/QC Data

SDG I.D.: GBX95116

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 380973 (ug/L), QC Sample No: BX94303 (BX95116 (5X, 50X) , BX95120)										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	1.0	105	107	1.9				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	98	97	1.0				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	107	113	5.5				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	103	104	1.0				70 - 130	30
1,1-Dichloroethane	ND	1.0	100	101	1.0				70 - 130	30
1,1-Dichloroethene	ND	1.0	99	100	1.0				70 - 130	30
1,1-Dichloropropene	ND	1.0	97	96	1.0				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	96	101	5.1				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	100	106	5.8				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	97	103	6.0				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	98	101	3.0				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	110	119	7.9				70 - 130	30
1,2-Dibromoethane	ND	1.0	106	107	0.9				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	99	102	3.0				70 - 130	30
1,2-Dichloroethane	ND	1.0	103	104	1.0				70 - 130	30
1,2-Dichloropropane	ND	1.0	102	104	1.9				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	98	101	3.0				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	102	103	1.0				70 - 130	30
1,3-Dichloropropane	ND	1.0	102	104	1.9				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	99	101	2.0				70 - 130	30
2,2-Dichloropropane	ND	1.0	105	105	0.0				70 - 130	30
2-Chlorotoluene	ND	1.0	101	103	2.0				70 - 130	30
2-Hexanone	ND	5.0	86	90	4.5				70 - 130	30
2-Isopropyltoluene	ND	1.0	99	103	4.0				70 - 130	30
4-Chlorotoluene	ND	1.0	100	101	1.0				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	88	93	5.5				70 - 130	30
Acetone	ND	5.0	87	92	5.6				70 - 130	30
Acrolein	ND	5.0	105	106	0.9				70 - 130	30
Acrylonitrile	ND	5.0	99	101	2.0				70 - 130	30
Benzene	ND	0.70	98	100	2.0				70 - 130	30
Bromobenzene	ND	1.0	101	103	2.0				70 - 130	30
Bromochloromethane	ND	1.0	105	105	0.0				70 - 130	30
Bromodichloromethane	ND	0.50	105	107	1.9				70 - 130	30
Bromoform	ND	1.0	113	119	5.2				70 - 130	30
Bromomethane	ND	1.0	127	131	3.1				70 - 130	30
Carbon Disulfide	ND	1.0	99	98	1.0				70 - 130	30
Carbon tetrachloride	ND	1.0	102	102	0.0				70 - 130	30
Chlorobenzene	ND	1.0	100	101	1.0				70 - 130	30
Chloroethane	ND	1.0	101	101	0.0				70 - 130	30
Chloroform	ND	1.0	101	101	0.0				70 - 130	30
Chloromethane	ND	1.0	105	106	0.9				70 - 130	30

QA/QC Data

SDG I.D.: GBX95116

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,2-Dichloroethene	ND	1.0	99	99	0.0				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	104	105	1.0				70 - 130	30
Dibromochloromethane	ND	0.50	113	114	0.9				70 - 130	30
Dibromomethane	ND	1.0	101	102	1.0				70 - 130	30
Dichlorodifluoromethane	ND	1.0	116	117	0.9				70 - 130	30
Ethylbenzene	ND	1.0	100	100	0.0				70 - 130	30
Hexachlorobutadiene	ND	0.40	94	97	3.1				70 - 130	30
Isopropylbenzene	ND	1.0	99	100	1.0				70 - 130	30
m&p-Xylene	ND	1.0	99	100	1.0				70 - 130	30
Methyl ethyl ketone	ND	5.0	93	97	4.2				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	111	113	1.8				70 - 130	30
Methylene chloride	ND	1.0	101	102	1.0				70 - 130	30
Naphthalene	ND	1.0	99	106	6.8				70 - 130	30
n-Butylbenzene	ND	1.0	99	102	3.0				70 - 130	30
n-Propylbenzene	ND	1.0	97	98	1.0				70 - 130	30
o-Xylene	ND	1.0	99	100	1.0				70 - 130	30
p-Isopropyltoluene	ND	1.0	97	101	4.0				70 - 130	30
sec-Butylbenzene	ND	1.0	102	106	3.8				70 - 130	30
Styrene	ND	1.0	101	102	1.0				70 - 130	30
tert-Butylbenzene	ND	1.0	99	101	2.0				70 - 130	30
Tetrachloroethene	ND	1.0	99	99	0.0				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	101	105	3.9				70 - 130	30
Toluene	ND	1.0	99	100	1.0				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	101	100	1.0				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	104	106	1.9				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	118	122	3.3				70 - 130	30
Trichloroethene	ND	1.0	99	99	0.0				70 - 130	30
Trichlorofluoromethane	ND	1.0	100	99	1.0				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	95	94	1.1				70 - 130	30
Vinyl chloride	ND	1.0	106	106	0.0				70 - 130	30
% 1,2-dichlorobenzene-d4	101	%	100	100	0.0				70 - 130	30
% Bromofluorobenzene	99	%	99	101	2.0				70 - 130	30
% Dibromofluoromethane	96	%	101	101	0.0				70 - 130	30
% Toluene-d8	99	%	100	100	0.0				70 - 130	30

Comment:

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

QA/QC Batch 381115 (ug/L), QC Sample No: BX95117 (BX95117, BX95118 (20X, 200X) , BX95119 (40X))

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	94	95	1.1				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	89	89	0.0				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	100	104	3.9				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	93	94	1.1				70 - 130	30
1,1-Dichloroethane	ND	1.0	93	93	0.0				70 - 130	30
1,1-Dichloroethene	ND	1.0	87	86	1.2				70 - 130	30
1,1-Dichloropropene	ND	1.0	87	87	0.0				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	80	84	4.9				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	93	96	3.2				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	82	84	2.4				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	90	89	1.1				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	97	103	6.0				70 - 130	30
1,2-Dibromoethane	ND	1.0	96	96	0.0				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	91	93	2.2				70 - 130	30

QA/QC Data

SDG I.D.: GBX95116

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2-Dichloroethane	ND	1.0	95	95	0.0				70 - 130	30
1,2-Dichloropropane	ND	1.0	93	93	0.0				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	89	89	0.0				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	92	92	0.0				70 - 130	30
1,3-Dichloropropane	ND	1.0	94	93	1.1				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	90	90	0.0				70 - 130	30
2,2-Dichloropropane	ND	1.0	90	87	3.4				70 - 130	30
2-Chlorotoluene	ND	1.0	92	91	1.1				70 - 130	30
2-Hexanone	ND	5.0	80	82	2.5				70 - 130	30
2-Isopropyltoluene	ND	1.0	91	89	2.2				70 - 130	30
4-Chlorotoluene	ND	1.0	91	91	0.0				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	83	84	1.2				70 - 130	30
Acetone	ND	5.0	82	85	3.6				70 - 130	30
Acrolein	ND	5.0	91	94	3.2				70 - 130	30
Acrylonitrile	ND	5.0	91	92	1.1				70 - 130	30
Benzene	ND	0.70	90	89	1.1				70 - 130	30
Bromobenzene	ND	1.0	94	95	1.1				70 - 130	30
Bromochloromethane	ND	1.0	96	98	2.1				70 - 130	30
Bromodichloromethane	ND	0.50	96	97	1.0				70 - 130	30
Bromoform	ND	1.0	102	101	1.0				70 - 130	30
Bromomethane	ND	1.0	107	106	0.9				70 - 130	30
Carbon Disulfide	ND	1.0	87	87	0.0				70 - 130	30
Carbon tetrachloride	ND	1.0	87	85	2.3				70 - 130	30
Chlorobenzene	ND	1.0	89	89	0.0				70 - 130	30
Chloroethane	ND	1.0	91	91	0.0				70 - 130	30
Chloroform	ND	1.0	92	91	1.1				70 - 130	30
Chloromethane	ND	1.0	92	91	1.1				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	93	90	3.3				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	94	95	1.1				70 - 130	30
Dibromochloromethane	ND	0.50	102	104	1.9				70 - 130	30
Dibromomethane	ND	1.0	92	93	1.1				70 - 130	30
Dichlorodifluoromethane	ND	1.0	101	101	0.0				70 - 130	30
Ethylbenzene	ND	1.0	89	88	1.1				70 - 130	30
Hexachlorobutadiene	ND	0.40	82	83	1.2				70 - 130	30
Isopropylbenzene	ND	1.0	90	88	2.2				70 - 130	30
m&p-Xylene	ND	1.0	88	87	1.1				70 - 130	30
Methyl ethyl ketone	ND	5.0	86	84	2.4				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	103	104	1.0				70 - 130	30
Methylene chloride	ND	1.0	92	93	1.1				70 - 130	30
Naphthalene	ND	1.0	85	88	3.5				70 - 130	30
n-Butylbenzene	ND	1.0	88	87	1.1				70 - 130	30
n-Propylbenzene	ND	1.0	89	87	2.3				70 - 130	30
o-Xylene	ND	1.0	91	90	1.1				70 - 130	30
p-Isopropyltoluene	ND	1.0	88	87	1.1				70 - 130	30
sec-Butylbenzene	ND	1.0	91	90	1.1				70 - 130	30
Styrene	ND	1.0	92	91	1.1				70 - 130	30
tert-Butylbenzene	ND	1.0	88	88	0.0				70 - 130	30
Tetrachloroethene	ND	1.0	85	84	1.2				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	95	92	3.2				70 - 130	30
Toluene	ND	1.0	89	87	2.3				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	89	90	1.1				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	93	92	1.1				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	108	108	0.0				70 - 130	30

QA/QC Data

SDG I.D.: GBX95116

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Trichloroethene	ND	1.0	87	87	0.0				70 - 130	30
Trichlorofluoromethane	ND	1.0	85	84	1.2				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	80	79	1.3				70 - 130	30
Vinyl chloride	ND	1.0	93	93	0.0				70 - 130	30
% 1,2-dichlorobenzene-d4	100	%	101	101	0.0				70 - 130	30
% Bromofluorobenzene	100	%	100	100	0.0				70 - 130	30
% Dibromofluoromethane	102	%	101	102	1.0				70 - 130	30
% Toluene-d8	99	%	101	100	1.0				70 - 130	30

QA/QC Batch 381130 (ug/L), QC Sample No: BX95399 (BX95118 (1000X) , BX95119 (5X))

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	112	112	0.0				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	109	108	0.9				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	116	117	0.9				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	108	110	1.8				70 - 130	30
1,1-Dichloroethane	ND	1.0	109	109	0.0				70 - 130	30
1,1-Dichloroethene	ND	1.0	106	104	1.9				70 - 130	30
1,1-Dichloropropene	ND	1.0	105	105	0.0				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	89	92	3.3				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	113	113	0.0				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	94	94	0.0				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	107	106	0.9				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	117	114	2.6				70 - 130	30
1,2-Dibromoethane	ND	1.0	109	114	4.5				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	105	107	1.9				70 - 130	30
1,2-Dichloroethane	ND	1.0	114	113	0.9				70 - 130	30
1,2-Dichloropropane	ND	1.0	106	108	1.9				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	107	107	0.0				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	106	107	0.9				70 - 130	30
1,3-Dichloropropane	ND	1.0	108	110	1.8				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	106	106	0.0				70 - 130	30
2,2-Dichloropropane	ND	1.0	115	114	0.9				70 - 130	30
2-Chlorotoluene	ND	1.0	108	107	0.9				70 - 130	30
2-Hexanone	ND	5.0	96	98	2.1				70 - 130	30
2-Isopropyltoluene	ND	1.0	108	109	0.9				70 - 130	30
4-Chlorotoluene	ND	1.0	107	106	0.9				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	99	100	1.0				70 - 130	30
Acetone	ND	5.0	93	92	1.1				70 - 130	30
Acrolein	ND	5.0	109	105	3.7				70 - 130	30
Acrylonitrile	ND	5.0	109	105	3.7				70 - 130	30
Benzene	ND	0.70	104	104	0.0				70 - 130	30
Bromobenzene	ND	1.0	109	108	0.9				70 - 130	30
Bromochloromethane	ND	1.0	108	108	0.0				70 - 130	30
Bromodichloromethane	ND	0.50	115	114	0.9				70 - 130	30
Bromoform	ND	1.0	120	124	3.3				70 - 130	30
Bromomethane	ND	1.0	101	110	8.5				70 - 130	30
Carbon Disulfide	ND	1.0	103	103	0.0				70 - 130	30
Carbon tetrachloride	ND	1.0	111	111	0.0				70 - 130	30
Chlorobenzene	ND	1.0	105	105	0.0				70 - 130	30
Chloroethane	ND	1.0	107	107	0.0				70 - 130	30
Chloroform	ND	1.0	110	109	0.9				70 - 130	30
Chloromethane	ND	1.0	99	98	1.0				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	103	103	0.0				70 - 130	30

QA/QC Data

SDG I.D.: GBX95116

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,3-Dichloropropene	ND	0.40	111	111	0.0				70 - 130	30
Dibromochloromethane	ND	0.50	120	121	0.8				70 - 130	30
Dibromomethane	ND	1.0	108	110	1.8				70 - 130	30
Dichlorodifluoromethane	ND	1.0	117	117	0.0				70 - 130	30
Ethylbenzene	ND	1.0	104	105	1.0				70 - 130	30
Hexachlorobutadiene	ND	0.40	96	98	2.1				70 - 130	30
Isopropylbenzene	ND	1.0	105	106	0.9				70 - 130	30
m&p-Xylene	ND	1.0	105	104	1.0				70 - 130	30
Methyl ethyl ketone	ND	5.0	100	103	3.0				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	121	120	0.8				70 - 130	30
Methylene chloride	ND	1.0	107	106	0.9				70 - 130	30
Naphthalene	ND	1.0	96	98	2.1				70 - 130	30
n-Butylbenzene	ND	1.0	108	107	0.9				70 - 130	30
n-Propylbenzene	ND	1.0	104	105	1.0				70 - 130	30
o-Xylene	ND	1.0	106	107	0.9				70 - 130	30
p-Isopropyltoluene	ND	1.0	106	106	0.0				70 - 130	30
sec-Butylbenzene	ND	1.0	109	108	0.9				70 - 130	30
Styrene	ND	1.0	107	108	0.9				70 - 130	30
tert-Butylbenzene	ND	1.0	106	107	0.9				70 - 130	30
Tetrachloroethene	ND	1.0	105	103	1.9				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	111	111	0.0				70 - 130	30
Toluene	ND	1.0	104	103	1.0				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	105	104	1.0				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	110	111	0.9				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	122	122	0.0				70 - 130	30
Trichloroethene	ND	1.0	104	103	1.0				70 - 130	30
Trichlorofluoromethane	ND	1.0	107	107	0.0				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	101	101	0.0				70 - 130	30
% 1,2-dichlorobenzene-d4	103	%	101	101	0.0				70 - 130	30
% Bromofluorobenzene	102	%	102	103	1.0				70 - 130	30
% Dibromofluoromethane	101	%	102	100	2.0				70 - 130	30
% Toluene-d8	101	%	100	100	0.0				70 - 130	30

Comment:

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

I = This parameter is outside laboratory LCS/LCSD 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

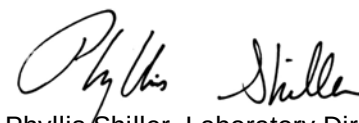
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

April 06, 2017

Thursday, April 06, 2017

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GBX95116 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BX95116	\$8260DP25R	Acrolein	NY / TOGS - Water Quality / GA Criteria	ND	13	5	5	ug/L
BX95116	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	320	13	2	2	ug/L
BX95116	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	320	13	2	2	ug/L
BX95116	\$8260DP25R	trans-1,2-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	11	5.0	5	5	ug/L
BX95116	\$8260DP25R	trans-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	11	5.0	5	5	ug/L
BX95116	\$8260DP25R	Acrylonitrile	NY / TOGS - Water Quality / GA Criteria	ND	13	5	5	ug/L
BX95116	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	690	13	5	5	ug/L
BX95116	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	1.3	0.7	0.7	ug/L
BX95116	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	ND	1.3	1	1	ug/L
BX95116	\$8260DP25R	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	2.5	0.6	0.6	ug/L
BX95116	\$8260DP25R	1,2-Dichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	1	1	ug/L
BX95116	\$8260DP25R	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.4	0.4	ug/L
BX95116	\$8260DP25R	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.4	0.4	ug/L
BX95116	\$8260DP25R	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	1	1	ug/L
BX95116	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.0006	0.0006	ug/L
BX95116	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.04	0.04	ug/L
BX95116	\$8260DP25R	trans-1,4-dichloro-2-butene	NY / TOGS - Water Quality / GA Criteria	ND	13	5	5	ug/L
BX95116	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	2.5	0.04	0.04	ug/L
BX95116	\$8260DP25R	Hexachlorobutadiene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.5	0.5	ug/L
BX95117	\$8260DP25R	trans-1,2-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	5.1	5.0	5	5	ug/L
BX95117	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	0.74	0.70	0.7	0.7	ug/L
BX95117	\$8260DP25R	trans-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	5.1	5.0	5	5	ug/L
BX95117	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	5.5	1.0	5	5	ug/L
BX95117	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BX95117	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BX95117	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
BX95118	\$8260DP25R	Acrolein	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BX95118	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	5600	50	2	2	ug/L
BX95118	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	5600	50	2	2	ug/L
BX95118	\$8260DP25R	1,1-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	110	5.0	5	5	ug/L
BX95118	\$8260DP25R	1,1-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	110	5.0	5	5	ug/L
BX95118	\$8260DP25R	Methylene chloride	NY / TAGM - Volatile Organics / Groundwater Standards	ND	20	5	5	ug/L
BX95118	\$8260DP25R	Methylene chloride	NY / TOGS - Water Quality / GA Criteria	ND	20	5	5	ug/L
BX95118	\$8260DP25R	trans-1,2-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	65	5.0	5	5	ug/L
BX95118	\$8260DP25R	trans-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	65	5.0	5	5	ug/L
BX95118	\$8260DP25R	Acrylonitrile	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BX95118	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	21000	250	5	5	ug/L
BX95118	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	0.7	0.7	ug/L
BX95118	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BX95118	\$8260DP25R	1,2-Dichloroethane	NY / TAGM - Volatile Organics / Groundwater Standards	ND	10	5	5	ug/L

Thursday, April 06, 2017

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GBX95116 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BX95118	\$8260DP25R	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	10	0.6	0.6	ug/L
BX95118	\$8260DP25R	Trichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	2300	50	5	5	ug/L
BX95118	\$8260DP25R	Trichloroethene	NY / TOGS - Water Quality / GA Criteria	2300	50	5	5	ug/L
BX95118	\$8260DP25R	1,2-Dichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BX95118	\$8260DP25R	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.4	0.4	ug/L
BX95118	\$8260DP25R	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.4	0.4	ug/L
BX95118	\$8260DP25R	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BX95118	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.0006	0.0006	ug/L
BX95118	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.04	0.04	ug/L
BX95118	\$8260DP25R	trans-1,4-dichloro-2-butene	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BX95118	\$8260DP25R	1,3-Dichlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	3	3	ug/L
BX95118	\$8260DP25R	1,2-Dichlorobenzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	4.7	4.7	ug/L
BX95118	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	10	0.04	0.04	ug/L
BX95118	\$8260DP25R	Hexachlorobutadiene	NY / TOGS - Water Quality / GA Criteria	ND	4.0	0.5	0.5	ug/L
BX95118	\$8260DP25R	Naphthalene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	20	5	5	ug/L
BX95118	\$8260DP25R	Naphthalene	NY / TOGS - Water Quality / GA Criteria	ND	20	10	10	ug/L
BX95119	\$8260DP25R	Acrolein	NY / TOGS - Water Quality / GA Criteria	ND	13	5	5	ug/L
BX95119	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	270	10	2	2	ug/L
BX95119	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	270	10	2	2	ug/L
BX95119	\$8260DP25R	trans-1,2-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	10	5.0	5	5	ug/L
BX95119	\$8260DP25R	trans-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	10	5.0	5	5	ug/L
BX95119	\$8260DP25R	Acrylonitrile	NY / TOGS - Water Quality / GA Criteria	ND	13	5	5	ug/L
BX95119	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	600	10	5	5	ug/L
BX95119	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	1.3	0.7	0.7	ug/L
BX95119	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	ND	1.3	1	1	ug/L
BX95119	\$8260DP25R	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	2.5	0.6	0.6	ug/L
BX95119	\$8260DP25R	1,2-Dichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	1	1	ug/L
BX95119	\$8260DP25R	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.4	0.4	ug/L
BX95119	\$8260DP25R	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.4	0.4	ug/L
BX95119	\$8260DP25R	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	1	1	ug/L
BX95119	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.0006	0.0006	ug/L
BX95119	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.04	0.04	ug/L
BX95119	\$8260DP25R	trans-1,4-dichloro-2-butene	NY / TOGS - Water Quality / GA Criteria	ND	13	5	5	ug/L
BX95119	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	2.5	0.04	0.04	ug/L
BX95119	\$8260DP25R	Hexachlorobutadiene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.5	0.5	ug/L
BX95120	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BX95120	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BX95120	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L

Thursday, April 06, 2017

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GBX95116 - EBC

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

April 06, 2017

SDG I.D.: GBX95116

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

GBX10251

Shannon Wilhelm

Subject: FW: 34-11 Beach Channel Dr NY

From: Kevin Waters [mailto:kwaters@ebcincny.com]

Sent: Thursday, December 22, 2016 01:53 PM

To: Shannon Wilhelm

Subject: Re: 34-11 Beach Channel Dr NY

I forgot them. Oh well. Too late. Thanks. Merry christmas!

Kevin Waters
Field Operations Manager
Environmental Business Consultants
(516)-287-9023

On Dec 22, 2016, at 11:15 AM, Shannon Wilhelm <shannon@phoenixlabs.com> wrote:

Hi Kevin,

Please see attached regarding samples received yesterday. We did not receive trip blanks for these.
Please let me know if you have any questions. Thank you.

Shannon Wilhelm
Phoenix Environmental Labs

<GBX10251-ChainofCustody-1.pdf>

Environmental Scientist

EBC

Environmental Business Consultants

Ph: 631.504.6000 ext. 119

Fax: 631.924.2870

Cell: 516.220.2997

recio@ebcincny.com



Friday, June 23, 2017

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

Project ID: 34-11 BEACH CHANNEL DR.
Sample ID#s: BY37765 - BY37768

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. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. 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



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**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

**Client: Environmental Business Consultants
Project: 34-11 BEACH CHANNEL DR.
Laboratory Project: GBY37765**



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

June 23, 2017

SDG I.D.: GBY37765

Environmental Business Consultants 34-11 BEACH CHANNEL DR.

Methodology Summary

Volatile Organic Compounds:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III, Method 8260C and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 624) as printed in 40CFR part 136.

Sample Id Cross Reference

Client Id	Lab Id	Matrix
15MW1	BY37765	GROUND WATER
15MW2	BY37766	GROUND WATER
GW DUPLICATE	BY37767	GROUND WATER
TRIP BLANK	BY37768	WATER



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

June 23, 2017

SDG I.D.: GBY37765

Environmental Business Consultants 34-11 BEACH CHANNEL DR.

Laboratory Chronicle

The samples in this delivery group were received at 3.2°C.

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
BY37765	Volatiles	06/08/17	06/14/17	06/14/17	MH	Y
BY37766	Volatiles	06/08/17	06/15/17	06/15/17	MH	Y
BY37767	Volatiles	06/08/17	06/15/17	06/15/17	MH	Y
BY37768	Volatiles	06/08/17	06/14/17	06/14/17	MH	Y



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Tel. (860) 645-1102 Fax (860) 645-0823



SDG Comments

June 23, 2017

SDG I.D.: GBY37765

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.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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



Analysis Report

June 23, 2017

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

Date

06/08/17

Time

16:54

Laboratory Data

SDG ID: GBY37765
Phoenix ID: BY37765

Project ID: 34-11 BEACH CHANNEL DR.
Client ID: 15MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	06/13/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	06/13/17	MH	SW8260C
1,1-Dichloroethene	0.58	J 1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	06/13/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	06/13/17	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	06/13/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	06/13/17	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	06/13/17	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	06/13/17	MH	SW8260C

Client ID: 15MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	5.7	S 5.0	2.5	ug/L	1	06/13/17	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	06/13/17	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	06/13/17	MH	SW8260C
Benzene	0.56	J 0.70	0.25	ug/L	1	06/13/17	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	06/13/17	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	06/13/17	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	06/13/17	MH	SW8260C
Chloroethane	0.29	J 5.0	0.25	ug/L	1	06/13/17	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	06/13/17	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	06/13/17	MH	SW8260C
cis-1,2-Dichloroethene	300	D 20	5.0	ug/L	20	06/14/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/13/17	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	06/13/17	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	06/13/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	06/13/17	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	06/13/17	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	06/13/17	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
trans-1,2-Dichloroethene	6.7	5.0	0.25	ug/L	1	06/13/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/13/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	06/13/17	MH	SW8260C
Trichloroethene	0.26	J 1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	06/13/17	MH	SW8260C
Vinyl chloride	160	D 20	5.0	ug/L	20	06/14/17	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	1	06/13/17	MH	70 - 130 %
% Bromofluorobenzene	101			%	1	06/13/17	MH	70 - 130 %
% Dibromofluoromethane	98			%	1	06/13/17	MH	70 - 130 %

1

Client ID: 15MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99			%	1	06/13/17	MH	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 L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

June 23, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

June 23, 2017

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

Date

06/08/17

Time

16:54

Laboratory Data

SDG ID: GBY37765
Phoenix ID: BY37766

Project ID: 34-11 BEACH CHANNEL DR.
Client ID: 15MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,1,2-Trichloroethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,1-Dichloroethene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,1-Dichloropropene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	20	5.0	ug/L	20	06/13/17	MH	SW8260C
1,2,3-Trichloropropane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	20	5.0	ug/L	20	06/13/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	10	10	ug/L	20	06/13/17	MH	SW8260C
1,2-Dibromoethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,2-Dichlorobenzene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,2-Dichloroethane	ND	10	10	ug/L	20	06/13/17	MH	SW8260C
1,2-Dichloropropane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,3-Dichlorobenzene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,3-Dichloropropane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,4-Dichlorobenzene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
2,2-Dichloropropane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
2-Chlorotoluene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
2-Hexanone	ND	50	50	ug/L	20	06/13/17	MH	SW8260C
2-Isopropyltoluene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
4-Chlorotoluene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
4-Methyl-2-pentanone	ND	50	50	ug/L	20	06/13/17	MH	SW8260C

Client ID: 15MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	50	50	ug/L	20	06/13/17	MH	SW8260C
Acrolein	ND	50	50	ug/L	20	06/13/17	MH	SW8260C
Acrylonitrile	ND	50	50	ug/L	20	06/13/17	MH	SW8260C
Benzene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Bromobenzene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Bromochloromethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Bromodichloromethane	ND	20	5.0	ug/L	20	06/13/17	MH	SW8260C
Bromoform	ND	50	5.0	ug/L	20	06/13/17	MH	SW8260C
Bromomethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Carbon Disulfide	ND	20	5.0	ug/L	20	06/13/17	MH	SW8260C
Carbon tetrachloride	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Chlorobenzene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Chloroethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Chloroform	ND	7.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Chloromethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
cis-1,2-Dichloroethene	12	J 20	5.0	ug/L	20	06/13/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Dibromochloromethane	ND	20	5.0	ug/L	20	06/13/17	MH	SW8260C
Dibromomethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Dichlorodifluoromethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Ethylbenzene	4600	D 400	100	ug/L	400	06/15/17	MH	SW8260C
Hexachlorobutadiene	ND	4.0	4.0	ug/L	20	06/13/17	MH	SW8260C
Isopropylbenzene	28	20	5.0	ug/L	20	06/13/17	MH	SW8260C
m&p-Xylene	28000	D 1000	250	ug/L	1000	06/15/17	MH	SW8260C
Methyl ethyl ketone	ND	50	50	ug/L	20	06/13/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	20	5.0	ug/L	20	06/13/17	MH	SW8260C
Methylene chloride	ND	20	20	ug/L	20	06/13/17	MH	SW8260C
Naphthalene	ND	20	20	ug/L	20	06/13/17	MH	SW8260C
n-Butylbenzene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
n-Propylbenzene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
o-Xylene	10000	D 400	100	ug/L	400	06/15/17	MH	SW8260C
p-Isopropyltoluene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
sec-Butylbenzene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Styrene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
tert-Butylbenzene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Tetrachloroethene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	50	50	ug/L	20	06/13/17	MH	SW8260C
Toluene	32	20	5.0	ug/L	20	06/13/17	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	50	50	ug/L	20	06/13/17	MH	SW8260C
Trichloroethene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Trichlorofluoromethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Trichlorotrifluoroethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Vinyl chloride	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	20	06/13/17	MH	70 - 130 %
% Bromofluorobenzene	110			%	20	06/13/17	MH	70 - 130 %
% Dibromofluoromethane	100			%	20	06/13/17	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99			%	20	06/13/17	MH	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 L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

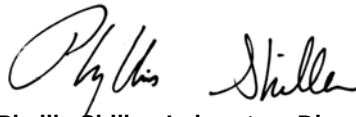
Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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Phyllis Shiller, Laboratory Director

June 23, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

June 23, 2017

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

Date

06/08/17

Time

16:54

Laboratory Data

SDG ID: GBY37765
Phoenix ID: BY37767

Project ID: 34-11 BEACH CHANNEL DR.
Client ID: GW DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,1,2-Trichloroethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,1-Dichloroethene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,1-Dichloropropene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	20	5.0	ug/L	20	06/13/17	MH	SW8260C
1,2,3-Trichloropropane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	20	5.0	ug/L	20	06/13/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	10	10	ug/L	20	06/13/17	MH	SW8260C
1,2-Dibromoethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,2-Dichlorobenzene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,2-Dichloroethane	ND	10	10	ug/L	20	06/13/17	MH	SW8260C
1,2-Dichloropropane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,3-Dichlorobenzene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,3-Dichloropropane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
1,4-Dichlorobenzene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
2,2-Dichloropropane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
2-Chlorotoluene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
2-Hexanone	ND	50	50	ug/L	20	06/13/17	MH	SW8260C
2-Isopropyltoluene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
4-Chlorotoluene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
4-Methyl-2-pentanone	ND	50	50	ug/L	20	06/13/17	MH	SW8260C

Client ID: GW DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	50	50	ug/L	20	06/13/17	MH	SW8260C
Acrolein	ND	50	50	ug/L	20	06/13/17	MH	SW8260C
Acrylonitrile	ND	50	50	ug/L	20	06/13/17	MH	SW8260C
Benzene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Bromobenzene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Bromochloromethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Bromodichloromethane	ND	20	5.0	ug/L	20	06/13/17	MH	SW8260C
Bromoform	ND	50	5.0	ug/L	20	06/13/17	MH	SW8260C
Bromomethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Carbon Disulfide	ND	20	5.0	ug/L	20	06/13/17	MH	SW8260C
Carbon tetrachloride	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Chlorobenzene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Chloroethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Chloroform	ND	7.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Chloromethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
cis-1,2-Dichloroethene	8.7	J 20	5.0	ug/L	20	06/13/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Dibromochloromethane	ND	20	5.0	ug/L	20	06/13/17	MH	SW8260C
Dibromomethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Dichlorodifluoromethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Ethylbenzene	3800	D 400	100	ug/L	400	06/15/17	MH	SW8260C
Hexachlorobutadiene	ND	4.0	4.0	ug/L	20	06/13/17	MH	SW8260C
Isopropylbenzene	29	20	5.0	ug/L	20	06/13/17	MH	SW8260C
m&p-Xylene	24000	D 1000	250	ug/L	1000	06/15/17	MH	SW8260C
Methyl ethyl ketone	ND	50	50	ug/L	20	06/13/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	20	5.0	ug/L	20	06/13/17	MH	SW8260C
Methylene chloride	ND	20	20	ug/L	20	06/13/17	MH	SW8260C
Naphthalene	ND	20	20	ug/L	20	06/13/17	MH	SW8260C
n-Butylbenzene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
n-Propylbenzene	5.2	J 20	5.0	ug/L	20	06/13/17	MH	SW8260C
o-Xylene	8200	D 400	100	ug/L	400	06/15/17	MH	SW8260C
p-Isopropyltoluene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
sec-Butylbenzene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Styrene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
tert-Butylbenzene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Tetrachloroethene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	50	50	ug/L	20	06/13/17	MH	SW8260C
Toluene	33	20	5.0	ug/L	20	06/13/17	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	50	50	ug/L	20	06/13/17	MH	SW8260C
Trichloroethene	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Trichlorofluoromethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Trichlorotrifluoroethane	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
Vinyl chloride	ND	5.0	5.0	ug/L	20	06/13/17	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	20	06/13/17	MH	70 - 130 %
% Bromofluorobenzene	109			%	20	06/13/17	MH	70 - 130 %
% Dibromofluoromethane	98			%	20	06/13/17	MH	70 - 130 %

1

Client ID: GW DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	100			%	20	06/13/17	MH	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 L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

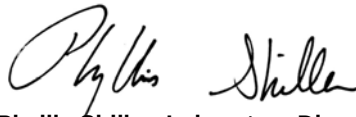
Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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Phyllis Shiller, Laboratory Director

June 23, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

June 23, 2017

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

Sample Information

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

Custody Information

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

Date

06/08/17

Time

16:54

Laboratory Data

SDG ID: GBY37765
Phoenix ID: BY37768

Project ID: 34-11 BEACH CHANNEL DR.
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	06/14/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	06/14/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	06/14/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	06/14/17	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	06/14/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	06/14/17	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	06/14/17	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	06/14/17	MH	SW8260C

Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	4.2	JS 5.0	2.5	ug/L	1	06/14/17	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	06/14/17	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	06/14/17	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	06/14/17	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	06/14/17	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	06/14/17	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	06/14/17	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	06/14/17	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	06/14/17	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	06/14/17	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/14/17	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	06/14/17	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	06/14/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	06/14/17	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	06/14/17	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	06/14/17	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	06/14/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/14/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	06/14/17	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	06/14/17	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	06/14/17	MH	70 - 130 %
% Bromofluorobenzene	95			%	1	06/14/17	MH	70 - 130 %
% Dibromofluoromethane	92			%	1	06/14/17	MH	70 - 130 %

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Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98			%	1	06/14/17	MH	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 L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

June 23, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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QA/QC Report

June 23, 2017

QA/QC Data

SDG I.D.: GBY37765

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 389931 (ug/L), QC Sample No: BY37331 (BY37765, BY37766 (20X) , BY37767 (20X))										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	1.0	105	107	1.9				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	99	104	4.9				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	107	110	2.8				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	101	101	0.0				70 - 130	30
1,1-Dichloroethane	ND	1.0	102	105	2.9				70 - 130	30
1,1-Dichloroethene	ND	1.0	94	98	4.2				70 - 130	30
1,1-Dichloropropene	ND	1.0	99	104	4.9				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	105	108	2.8				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	100	102	2.0				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	103	107	3.8				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	98	104	5.9				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	111	116	4.4				70 - 130	30
1,2-Dibromoethane	ND	1.0	103	104	1.0				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	101	103	2.0				70 - 130	30
1,2-Dichloroethane	ND	1.0	102	102	0.0				70 - 130	30
1,2-Dichloropropane	ND	1.0	100	102	2.0				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	99	106	6.8				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	101	106	4.8				70 - 130	30
1,3-Dichloropropane	ND	1.0	102	103	1.0				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	100	104	3.9				70 - 130	30
2,2-Dichloropropane	ND	1.0	106	111	4.6				70 - 130	30
2-Chlorotoluene	ND	1.0	100	106	5.8				70 - 130	30
2-Hexanone	ND	5.0	95	94	1.1				70 - 130	30
2-Isopropyltoluene	ND	1.0	100	107	6.8				70 - 130	30
4-Chlorotoluene	ND	1.0	100	105	4.9				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	95	94	1.1				70 - 130	30
Acetone	ND	5.0	83	84	1.2				70 - 130	30
Acrolein	ND	5.0	96	91	5.3				70 - 130	30
Acrylonitrile	ND	5.0	102	103	1.0				70 - 130	30
Benzene	ND	0.70	100	104	3.9				70 - 130	30
Bromobenzene	ND	1.0	100	103	3.0				70 - 130	30
Bromochloromethane	ND	1.0	103	103	0.0				70 - 130	30
Bromodichloromethane	ND	0.50	104	105	1.0				70 - 130	30
Bromoform	ND	1.0	112	115	2.6				70 - 130	30
Bromomethane	ND	1.0	104	115	10.0				70 - 130	30
Carbon Disulfide	ND	1.0	103	108	4.7				70 - 130	30
Carbon tetrachloride	ND	1.0	100	104	3.9				70 - 130	30
Chlorobenzene	ND	1.0	99	103	4.0				70 - 130	30
Chloroethane	ND	1.0	97	100	3.0				70 - 130	30
Chloroform	ND	1.0	100	102	2.0				70 - 130	30
Chloromethane	ND	1.0	98	103	5.0				70 - 130	30

QA/QC Data

SDG I.D.: GBY37765

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,2-Dichloroethene	ND	1.0	99	102	3.0				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	105	106	0.9				70 - 130	30
Dibromochloromethane	ND	0.50	110	113	2.7				70 - 130	30
Dibromomethane	ND	1.0	103	103	0.0				70 - 130	30
Dichlorodifluoromethane	ND	1.0	98	102	4.0				70 - 130	30
Ethylbenzene	ND	1.0	99	105	5.9				70 - 130	30
Hexachlorobutadiene	ND	0.40	106	115	8.1				70 - 130	30
Isopropylbenzene	ND	1.0	98	106	7.8				70 - 130	30
m&p-Xylene	ND	1.0	99	106	6.8				70 - 130	30
Methyl ethyl ketone	ND	5.0	99	98	1.0				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	111	110	0.9				70 - 130	30
Methylene chloride	ND	1.0	97	99	2.0				70 - 130	30
Naphthalene	ND	1.0	106	108	1.9				70 - 130	30
n-Butylbenzene	ND	1.0	100	108	7.7				70 - 130	30
n-Propylbenzene	ND	1.0	99	106	6.8				70 - 130	30
o-Xylene	ND	1.0	101	107	5.8				70 - 130	30
p-Isopropyltoluene	ND	1.0	99	107	7.8				70 - 130	30
sec-Butylbenzene	ND	1.0	102	110	7.5				70 - 130	30
Styrene	ND	1.0	101	105	3.9				70 - 130	30
tert-Butylbenzene	ND	1.0	99	105	5.9				70 - 130	30
Tetrachloroethene	ND	1.0	98	103	5.0				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	99	98	1.0				70 - 130	30
Toluene	ND	1.0	99	104	4.9				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	99	104	4.9				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	101	103	2.0				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	110	112	1.8				70 - 130	30
Trichloroethene	ND	1.0	100	105	4.9				70 - 130	30
Trichlorofluoromethane	ND	1.0	87	89	2.3				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	76	78	2.6				70 - 130	30
Vinyl chloride	ND	1.0	96	102	6.1				70 - 130	30
% 1,2-dichlorobenzene-d4	99	%	101	99	2.0				70 - 130	30
% Bromofluorobenzene	100	%	100	98	2.0				70 - 130	30
% Dibromofluoromethane	97	%	100	97	3.0				70 - 130	30
% Toluene-d8	100	%	99	100	1.0				70 - 130	30

Comment:

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

QA/QC Batch 390107 (ug/L), QC Sample No: BY37768 (BY37765 (20X) , BY37766 (400X) , BY37767 (400X) , BY37768)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	89	94	5.5				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	82	87	5.9				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	94	101	7.2				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	87	92	5.6				70 - 130	30
1,1-Dichloroethane	ND	1.0	88	93	5.5				70 - 130	30
1,1-Dichloroethene	ND	1.0	84	90	6.9				70 - 130	30
1,1-Dichloropropene	ND	1.0	84	90	6.9				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	85	95	11.1				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	85	92	7.9				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	87	92	5.6				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	84	89	5.8				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	95	103	8.1				70 - 130	30
1,2-Dibromoethane	ND	1.0	92	96	4.3				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	87	92	5.6				70 - 130	30

QA/QC Data

SDG I.D.: GBY37765

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2-Dichloroethane	ND	1.0	84	89	5.8				70 - 130	30
1,2-Dichloropropane	ND	1.0	87	93	6.7				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	85	91	6.8				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	88	93	5.5				70 - 130	30
1,3-Dichloropropane	ND	1.0	88	95	7.7				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	86	92	6.7				70 - 130	30
2,2-Dichloropropane	ND	1.0	86	90	4.5				70 - 130	30
2-Chlorotoluene	ND	1.0	88	93	5.5				70 - 130	30
2-Hexanone	ND	5.0	82	90	9.3				70 - 130	30
2-Isopropyltoluene	ND	1.0	88	94	6.6				70 - 130	30
4-Chlorotoluene	ND	1.0	87	93	6.7				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	80	82	2.5				70 - 130	30
Acetone	ND	5.0	78	79	1.3				70 - 130	30
Acrolein	ND	5.0	91	92	1.1				70 - 130	30
Acrylonitrile	ND	5.0	95	97	2.1				70 - 130	30
Benzene	ND	0.70	86	93	7.8				70 - 130	30
Bromobenzene	ND	1.0	87	92	5.6				70 - 130	30
Bromochloromethane	ND	1.0	88	93	5.5				70 - 130	30
Bromodichloromethane	ND	0.50	86	92	6.7				70 - 130	30
Bromoform	ND	1.0	90	94	4.3				70 - 130	30
Bromomethane	ND	1.0	125	134	6.9				70 - 130	30
Carbon Disulfide	ND	1.0	98	103	5.0				70 - 130	30
Carbon tetrachloride	ND	1.0	81	86	6.0				70 - 130	30
Chlorobenzene	ND	1.0	86	91	5.6				70 - 130	30
Chloroethane	ND	1.0	112	118	5.2				70 - 130	30
Chloroform	ND	1.0	86	90	4.5				70 - 130	30
Chloromethane	ND	1.0	94	99	5.2				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	87	92	5.6				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	87	92	5.6				70 - 130	30
Dibromochloromethane	ND	0.50	93	98	5.2				70 - 130	30
Dibromomethane	ND	1.0	88	92	4.4				70 - 130	30
Dichlorodifluoromethane	ND	1.0	98	104	5.9				70 - 130	30
Ethylbenzene	ND	1.0	86	92	6.7				70 - 130	30
Hexachlorobutadiene	ND	0.40	84	91	8.0				70 - 130	30
Isopropylbenzene	ND	1.0	86	91	5.6				70 - 130	30
m&p-Xylene	ND	1.0	86	91	5.6				70 - 130	30
Methyl ethyl ketone	ND	5.0	88	93	5.5				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	85	90	5.7				70 - 130	30
Methylene chloride	ND	1.0	86	89	3.4				70 - 130	30
Naphthalene	ND	1.0	89	98	9.6				70 - 130	30
n-Butylbenzene	ND	1.0	86	91	5.6				70 - 130	30
n-Propylbenzene	ND	1.0	85	91	6.8				70 - 130	30
o-Xylene	ND	1.0	88	94	6.6				70 - 130	30
p-Isopropyltoluene	ND	1.0	84	90	6.9				70 - 130	30
sec-Butylbenzene	ND	1.0	88	93	5.5				70 - 130	30
Styrene	ND	1.0	87	92	5.6				70 - 130	30
tert-Butylbenzene	ND	1.0	84	90	6.9				70 - 130	30
Tetrachloroethene	ND	1.0	81	87	7.1				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	88	92	4.4				70 - 130	30
Toluene	ND	1.0	84	90	6.9				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	87	91	4.5				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	82	87	5.9				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	83	87	4.7				70 - 130	30

QA/QC Data

SDG I.D.: GBY37765

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Trichloroethene	ND	1.0	84	89	5.8				70 - 130	30
Trichlorofluoromethane	ND	1.0	90	96	6.5				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	83	89	7.0				70 - 130	30
Vinyl chloride	ND	1.0	91	97	6.4				70 - 130	30
% 1,2-dichlorobenzene-d4	98	%	99	99	0.0				70 - 130	30
% Bromofluorobenzene	96	%	99	98	1.0				70 - 130	30
% Dibromofluoromethane	92	%	94	94	0.0				70 - 130	30
% Toluene-d8	98	%	98	99	1.0				70 - 130	30

Comment:

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

QA/QC Batch 390299 (ug/L), QC Sample No: BY39229 (BY37766 (1000X) , BY37767 (1000X))

Volatiles - Ground Water

m&p-Xylene	ND	1.0	96	94	2.1				70 - 130	30
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Comment:

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

I = This parameter is outside laboratory LCS/LCSD 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

June 23, 2017

Friday, June 23, 2017

Criteria: NY: 375GWP, GW

State: NY

Sample Criteria Exceedances Report

GBY37765 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BY37765	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	160	20	2	2	ug/L
BY37765	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	160	20	2	2	ug/L
BY37765	\$8260DP25R	trans-1,2-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	6.7	5.0	5	5	ug/L
BY37765	\$8260DP25R	trans-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	6.7	5.0	5	5	ug/L
BY37765	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	300	20	5	5	ug/L
BY37765	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BY37765	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BY37765	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
BY37766	\$8260DP25R	Acrolein	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BY37766	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	2	2	ug/L
BY37766	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	ND	5.0	2	2	ug/L
BY37766	\$8260DP25R	Methylene chloride	NY / TAGM - Volatile Organics / Groundwater Standards	ND	20	5	5	ug/L
BY37766	\$8260DP25R	Methylene chloride	NY / TOGS - Water Quality / GA Criteria	ND	20	5	5	ug/L
BY37766	\$8260DP25R	Acrylonitrile	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BY37766	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	12	20	5	5	ug/L
BY37766	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	0.7	0.7	ug/L
BY37766	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BY37766	\$8260DP25R	1,2-Dichloroethane	NY / TAGM - Volatile Organics / Groundwater Standards	ND	10	5	5	ug/L
BY37766	\$8260DP25R	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	10	0.6	0.6	ug/L
BY37766	\$8260DP25R	1,2-Dichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BY37766	\$8260DP25R	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.4	0.4	ug/L
BY37766	\$8260DP25R	Toluene	NY / TAGM - Volatile Organics / Groundwater Standards	32	20	5	5	ug/L
BY37766	\$8260DP25R	Toluene	NY / TOGS - Water Quality / GA Criteria	32	20	5	5	ug/L
BY37766	\$8260DP25R	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.4	0.4	ug/L
BY37766	\$8260DP25R	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BY37766	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.0006	0.0006	ug/L
BY37766	\$8260DP25R	Ethylbenzene	NY / TAGM - Volatile Organics / Groundwater Standards	4600	400	5	5	ug/L
BY37766	\$8260DP25R	Ethylbenzene	NY / TOGS - Water Quality / GA Criteria	4600	400	5	5	ug/L
BY37766	\$8260DP25R	o-Xylene	NY / TAGM - Volatile Organics / Groundwater Standards	10000	400	5	5	ug/L
BY37766	\$8260DP25R	o-Xylene	NY / TOGS - Water Quality / GA Criteria	10000	400	5	5	ug/L
BY37766	\$8260DP25R	Isopropylbenzene	NY / TOGS - Water Quality / GA Criteria	28	20	5	5	ug/L
BY37766	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.04	0.04	ug/L
BY37766	\$8260DP25R	trans-1,4-dichloro-2-butene	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BY37766	\$8260DP25R	1,3-Dichlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	3	3	ug/L
BY37766	\$8260DP25R	1,2-Dichlorobenzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	4.7	4.7	ug/L
BY37766	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	10	0.04	0.04	ug/L
BY37766	\$8260DP25R	Hexachlorobutadiene	NY / TOGS - Water Quality / GA Criteria	ND	4.0	0.5	0.5	ug/L
BY37766	\$8260DP25R	Naphthalene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	20	10	10	ug/L
BY37766	\$8260DP25R	Naphthalene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	20	5	5	ug/L
BY37766	\$8260DP25R	Naphthalene	NY / TOGS - Water Quality / GA Criteria	ND	20	10	10	ug/L

Friday, June 23, 2017

Criteria: NY: 375GWP, GW

State: NY

Sample Criteria Exceedances Report

GBY37765 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BY37767	\$8260DP25R	Acrolein	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BY37767	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	2	2	ug/L
BY37767	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	ND	5.0	2	2	ug/L
BY37767	\$8260DP25R	Methylene chloride	NY / TAGM - Volatile Organics / Groundwater Standards	ND	20	5	5	ug/L
BY37767	\$8260DP25R	Methylene chloride	NY / TOGS - Water Quality / GA Criteria	ND	20	5	5	ug/L
BY37767	\$8260DP25R	Acrylonitrile	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BY37767	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	8.7	20	5	5	ug/L
BY37767	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	0.7	0.7	ug/L
BY37767	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BY37767	\$8260DP25R	1,2-Dichloroethane	NY / TAGM - Volatile Organics / Groundwater Standards	ND	10	5	5	ug/L
BY37767	\$8260DP25R	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	10	0.6	0.6	ug/L
BY37767	\$8260DP25R	1,2-Dichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BY37767	\$8260DP25R	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.4	0.4	ug/L
BY37767	\$8260DP25R	Toluene	NY / TAGM - Volatile Organics / Groundwater Standards	33	20	5	5	ug/L
BY37767	\$8260DP25R	Toluene	NY / TOGS - Water Quality / GA Criteria	33	20	5	5	ug/L
BY37767	\$8260DP25R	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.4	0.4	ug/L
BY37767	\$8260DP25R	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BY37767	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.0006	0.0006	ug/L
BY37767	\$8260DP25R	Ethylbenzene	NY / TAGM - Volatile Organics / Groundwater Standards	3800	400	5	5	ug/L
BY37767	\$8260DP25R	Ethylbenzene	NY / TOGS - Water Quality / GA Criteria	3800	400	5	5	ug/L
BY37767	\$8260DP25R	o-Xylene	NY / TAGM - Volatile Organics / Groundwater Standards	8200	400	5	5	ug/L
BY37767	\$8260DP25R	o-Xylene	NY / TOGS - Water Quality / GA Criteria	8200	400	5	5	ug/L
BY37767	\$8260DP25R	Isopropylbenzene	NY / TOGS - Water Quality / GA Criteria	29	20	5	5	ug/L
BY37767	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.04	0.04	ug/L
BY37767	\$8260DP25R	n-Propylbenzene	NY / TOGS - Water Quality / GA Criteria	5.2	20	5	5	ug/L
BY37767	\$8260DP25R	trans-1,4-dichloro-2-butene	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BY37767	\$8260DP25R	1,3-Dichlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	3	3	ug/L
BY37767	\$8260DP25R	1,2-Dichlorobenzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	4.7	4.7	ug/L
BY37767	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	10	0.04	0.04	ug/L
BY37767	\$8260DP25R	Hexachlorobutadiene	NY / TOGS - Water Quality / GA Criteria	ND	4.0	0.5	0.5	ug/L
BY37767	\$8260DP25R	Naphthalene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	20	10	10	ug/L
BY37767	\$8260DP25R	Naphthalene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	20	5	5	ug/L
BY37767	\$8260DP25R	Naphthalene	NY / TOGS - Water Quality / GA Criteria	ND	20	10	10	ug/L
BY37768	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BY37768	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BY37768	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	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

June 23, 2017

SDG I.D.: GBY37765

The samples in this delivery group were received at 3.2°C.
(Note acceptance criteria is above freezing up to 6°C)



Thursday, September 28, 2017

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

Project ID: 34-11 Beach Channel Drive
Sample ID#s: BZ03707 - BZ03711

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. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. 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 #M-CT007
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.
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Tel. (860) 645-1102 Fax (860) 645-0823



**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: Environmental Business Consultants
Project: 34-11 Beach Channel Drive
Laboratory Project: GBZ03707



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

September 28, 2017

SDG I.D.: GBZ03707

Environmental Business Consultants 34-11 Beach Channel Drive

Methodology Summary

Volatile Organic Compounds:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III, Method 8260C and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 624) as printed in 40CFR part 136.

Sample Id Cross Reference

Client Id	Lab Id	Matrix
15MW1	BZ03707	GROUND WATER
15MW2	BZ03708	GROUND WATER
15MW3	BZ03709	GROUND WATER
15MW DUPLICATE	BZ03710	GROUND WATER
TRIP BLANK	BZ03711	WATER



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

September 28, 2017

SDG I.D.: GBZ03707

Environmental Business Consultants 34-11 Beach Channel Drive

Laboratory Chronicle

The samples in this delivery group were received at 3.4°C.

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
BZ03707	Volatiles	09/18/17	09/20/17	09/20/17	MH	Y
BZ03708	Volatiles	09/18/17	09/19/17	09/19/17	MH	Y
BZ03709	Volatiles	09/18/17	09/19/17	09/19/17	MH	Y
BZ03710	Volatiles	09/18/17	09/19/17	09/19/17	MH	Y
BZ03711	Volatiles	09/18/17	09/19/17	09/19/17	MH	Y



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



SDG Comments

September 28, 2017

SDG I.D.: GBZ03707

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.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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



Analysis Report

September 28, 2017

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

Date

09/18/17

Time

15:21

Laboratory Data

SDG ID: GBZ03707
Phoenix ID: BZ03707

Project ID: 34-11 Beach Channel Drive
Client ID: 15MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	09/19/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	09/19/17	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	09/19/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	09/19/17	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	09/19/17	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	09/19/17	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	09/19/17	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	09/19/17	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	09/19/17	MH	SW8260C
Benzene	1.1	0.70	0.25	ug/L	1	09/19/17	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	09/19/17	MH	SW8260C
cis-1,2-Dichloroethene	76	D 10	2.5	ug/L	10	09/20/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/19/17	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	09/19/17	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	09/19/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	0.38	J 1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	09/19/17	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	09/19/17	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
o-Xylene	0.32	J 1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	09/19/17	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
trans-1,2-Dichloroethene	3.3	J 5.0	0.25	ug/L	1	09/19/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/19/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	09/19/17	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Vinyl chloride	100	D 10	2.5	ug/L	10	09/20/17	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	1	09/19/17	MH	70 - 130 %
% Bromofluorobenzene	106			%	1	09/19/17	MH	70 - 130 %
% Dibromofluoromethane	96			%	1	09/19/17	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	104			%	1	09/19/17	MH	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 L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

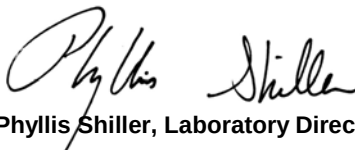
Comments:

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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Phyllis Shiller, Laboratory Director

September 28, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

September 28, 2017

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

Date

09/18/17

Time

15:21

Laboratory Data

SDG ID: GBZ03707
Phoenix ID: BZ03708

Project ID: 34-11 Beach Channel Drive
Client ID: 15MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.3	1.3	ug/L	5	09/20/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
1,1-Dichloroethene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
1,1-Dichloropropene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
1,2,3-Trichloropropane	ND	1.3	1.3	ug/L	5	09/20/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	2.5	2.5	ug/L	5	09/20/17	MH	SW8260C
1,2-Dibromoethane	ND	1.3	1.3	ug/L	5	09/20/17	MH	SW8260C
1,2-Dichlorobenzene	ND	4.7	1.3	ug/L	5	09/20/17	MH	SW8260C
1,2-Dichloroethane	ND	2.5	2.5	ug/L	5	09/20/17	MH	SW8260C
1,2-Dichloropropane	ND	1.3	1.3	ug/L	5	09/20/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
1,3-Dichlorobenzene	ND	3.0	1.3	ug/L	5	09/20/17	MH	SW8260C
1,3-Dichloropropane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
1,4-Dichlorobenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
2,2-Dichloropropane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
2-Chlorotoluene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
2-Hexanone	ND	13	13	ug/L	5	09/20/17	MH	SW8260C
2-Isopropyltoluene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
4-Chlorotoluene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
4-Methyl-2-pentanone	ND	13	13	ug/L	5	09/20/17	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	17	JS 25	13	ug/L	5	09/20/17	MH	SW8260C
Acrolein	ND	13	13	ug/L	5	09/20/17	MH	SW8260C
Acrylonitrile	ND	13	13	ug/L	5	09/20/17	MH	SW8260C
Benzene	ND	1.3	1.3	ug/L	5	09/20/17	MH	SW8260C
Bromobenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Bromochloromethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Bromodichloromethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Bromoform	ND	25	1.3	ug/L	5	09/20/17	MH	SW8260C
Bromomethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Carbon Disulfide	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Carbon tetrachloride	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Chlorobenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Chloroethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Chloroform	ND	7.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Chloromethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
cis-1,2-Dichloroethene	440	D 20	5.0	ug/L	20	09/19/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	1.3	1.3	ug/L	5	09/20/17	MH	SW8260C
Dibromochloromethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Dibromomethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Dichlorodifluoromethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Ethylbenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Hexachlorobutadiene	ND	1.0	1.0	ug/L	5	09/20/17	MH	SW8260C
Isopropylbenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
m&p-Xylene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Methyl ethyl ketone	ND	13	13	ug/L	5	09/20/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Methylene chloride	ND	5.0	5.0	ug/L	5	09/20/17	MH	SW8260C
Naphthalene	ND	5.0	5.0	ug/L	5	09/20/17	MH	SW8260C
n-Butylbenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
n-Propylbenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
o-Xylene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
p-Isopropyltoluene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
sec-Butylbenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Styrene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
tert-Butylbenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Tetrachloroethene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	25	13	ug/L	5	09/20/17	MH	SW8260C
Toluene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
trans-1,2-Dichloroethene	6.4	J 25	1.3	ug/L	5	09/20/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	1.3	1.3	ug/L	5	09/20/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	13	13	ug/L	5	09/20/17	MH	SW8260C
Trichloroethene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Trichlorofluoromethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Trichlorotrifluoroethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Vinyl chloride	480	D 20	5.0	ug/L	20	09/19/17	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	5	09/20/17	MH	70 - 130 %
% Bromofluorobenzene	104			%	5	09/20/17	MH	70 - 130 %
% Dibromofluoromethane	94			%	5	09/20/17	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	103			%	5	09/20/17	MH	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 L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

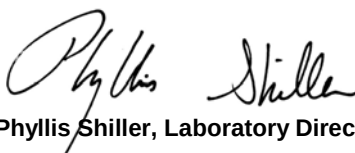
Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

September 28, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

September 28, 2017

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

Date

09/18/17

Time

15:21

Laboratory Data

SDG ID: GBZ03707
Phoenix ID: BZ03709

Project ID: 34-11 Beach Channel Drive
Client ID: 15MW3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	09/20/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	09/20/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	09/20/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
1,2,4-Trimethylbenzene	0.32	J 1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	09/20/17	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	09/20/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	09/20/17	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	09/20/17	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	09/20/17	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	09/20/17	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	09/20/17	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	09/20/17	MH	SW8260C
Benzene	2.2	0.70	0.25	ug/L	1	09/20/17	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	09/20/17	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	09/20/17	MH	SW8260C
Carbon Disulfide	0.29	J 1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	09/20/17	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	09/20/17	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	09/20/17	MH	SW8260C
Chloromethane	0.41	J 5.0	0.25	ug/L	1	09/20/17	MH	SW8260C
cis-1,2-Dichloroethene	29	D 20	5.0	ug/L	20	09/19/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/20/17	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
Ethylbenzene	0.30	J 1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	09/20/17	MH	SW8260C
Isopropylbenzene	0.27	J 1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
m&p-Xylene	0.33	J 1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	09/20/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	09/20/17	MH	SW8260C
Naphthalene	1.7	1.0	1.0	ug/L	1	09/20/17	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
o-Xylene	0.34	J 1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	09/20/17	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
trans-1,2-Dichloroethene	0.89	J 5.0	0.25	ug/L	1	09/20/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/20/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	09/20/17	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	09/20/17	MH	SW8260C
Vinyl chloride	24	D 20	5.0	ug/L	20	09/19/17	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	1	09/20/17	MH	70 - 130 %
% Bromofluorobenzene	106			%	1	09/20/17	MH	70 - 130 %
% Dibromofluoromethane	94			%	1	09/20/17	MH	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	102			%	1	09/20/17	MH	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 L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

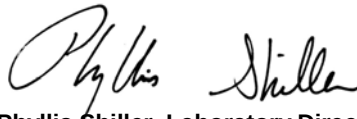
Comments:

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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Phyllis Shiller, Laboratory Director

September 28, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

September 28, 2017

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

Date

09/18/17

Time

15:21

Laboratory Data

SDG ID: GBZ03707
Phoenix ID: BZ03710

Project ID: 34-11 Beach Channel Drive
Client ID: 15MW DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.3	1.3	ug/L	5	09/20/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
1,1-Dichloroethene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
1,1-Dichloropropene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
1,2,3-Trichloropropane	ND	1.3	1.3	ug/L	5	09/20/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	2.5	2.5	ug/L	5	09/20/17	MH	SW8260C
1,2-Dibromoethane	ND	1.3	1.3	ug/L	5	09/20/17	MH	SW8260C
1,2-Dichlorobenzene	ND	4.7	1.3	ug/L	5	09/20/17	MH	SW8260C
1,2-Dichloroethane	ND	2.5	2.5	ug/L	5	09/20/17	MH	SW8260C
1,2-Dichloropropane	ND	1.3	1.3	ug/L	5	09/20/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
1,3-Dichlorobenzene	ND	3.0	1.3	ug/L	5	09/20/17	MH	SW8260C
1,3-Dichloropropane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
1,4-Dichlorobenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
2,2-Dichloropropane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
2-Chlorotoluene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
2-Hexanone	ND	13	13	ug/L	5	09/20/17	MH	SW8260C
2-Isopropyltoluene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
4-Chlorotoluene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
4-Methyl-2-pentanone	ND	13	13	ug/L	5	09/20/17	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	19	JS 25	13	ug/L	5	09/20/17	MH	SW8260C
Acrolein	ND	13	13	ug/L	5	09/20/17	MH	SW8260C
Acrylonitrile	ND	13	13	ug/L	5	09/20/17	MH	SW8260C
Benzene	ND	1.3	1.3	ug/L	5	09/20/17	MH	SW8260C
Bromobenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Bromochloromethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Bromodichloromethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Bromoform	ND	25	1.3	ug/L	5	09/20/17	MH	SW8260C
Bromomethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Carbon Disulfide	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Carbon tetrachloride	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Chlorobenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Chloroethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Chloroform	ND	7.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Chloromethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
cis-1,2-Dichloroethene	450	D 20	5.0	ug/L	20	09/19/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	1.3	1.3	ug/L	5	09/20/17	MH	SW8260C
Dibromochloromethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Dibromomethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Dichlorodifluoromethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Ethylbenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Hexachlorobutadiene	ND	1.0	1.0	ug/L	5	09/20/17	MH	SW8260C
Isopropylbenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
m&p-Xylene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Methyl ethyl ketone	ND	13	13	ug/L	5	09/20/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Methylene chloride	ND	5.0	5.0	ug/L	5	09/20/17	MH	SW8260C
Naphthalene	ND	5.0	5.0	ug/L	5	09/20/17	MH	SW8260C
n-Butylbenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
n-Propylbenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
o-Xylene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
p-Isopropyltoluene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
sec-Butylbenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Styrene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
tert-Butylbenzene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Tetrachloroethene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	25	13	ug/L	5	09/20/17	MH	SW8260C
Toluene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
trans-1,2-Dichloroethene	7.2	J 25	1.3	ug/L	5	09/20/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	1.3	1.3	ug/L	5	09/20/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	13	13	ug/L	5	09/20/17	MH	SW8260C
Trichloroethene	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Trichlorofluoromethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Trichlorotrifluoroethane	ND	5.0	1.3	ug/L	5	09/20/17	MH	SW8260C
Vinyl chloride	540	D 20	5.0	ug/L	20	09/19/17	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	5	09/20/17	MH	70 - 130 %
% Bromofluorobenzene	105			%	5	09/20/17	MH	70 - 130 %
% Dibromofluoromethane	93			%	5	09/20/17	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	103			%	5	09/20/17	MH	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 L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

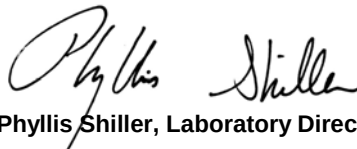
Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

September 28, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

September 28, 2017

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

Sample Information

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

Custody Information

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

Date

09/18/17

Time

15:21

Laboratory Data

SDG ID: GBZ03707
Phoenix ID: BZ03711

Project ID: 34-11 Beach Channel Drive
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	09/19/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	09/19/17	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	09/19/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	09/19/17	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	09/19/17	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	09/19/17	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	14	S 5.0	2.5	ug/L	1	09/19/17	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	09/19/17	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	09/19/17	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	09/19/17	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	09/19/17	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/19/17	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	09/19/17	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	09/19/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	09/19/17	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	09/19/17	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	09/19/17	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	09/19/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/19/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	09/19/17	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	09/19/17	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	1	09/19/17	MH	70 - 130 %
% Bromofluorobenzene	104			%	1	09/19/17	MH	70 - 130 %
% Dibromofluoromethane	91			%	1	09/19/17	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	105			%	1	09/19/17	MH	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 L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

September 28, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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

September 28, 2017

QA/QC Data

SDG I.D.: GBZ03707

Parameter	Blank	Blk	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	%	%
		RL							Rec Limits	RPD Limits
QA/QC Batch 402370 (ug/L), QC Sample No: BZ03570 (BZ03707 (10X) , BZ03708 (5X) , BZ03709, BZ03710 (5X))										
<u>Volatiles - Ground Water</u>										
1,1,1,2-Tetrachloroethane	ND	1.0	107	102	4.8				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	107	101	5.8				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	108	99	8.7				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	101	95	6.1				70 - 130	30
1,1-Dichloroethane	ND	1.0	108	102	5.7				70 - 130	30
1,1-Dichloroethene	ND	1.0	99	94	5.2				70 - 130	30
1,1-Dichloropropene	ND	1.0	108	103	4.7				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	100	99	1.0				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	109	100	8.6				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	103	97	6.0				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	105	100	4.9				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	106	101	4.8				70 - 130	30
1,2-Dibromoethane	ND	1.0	108	101	6.7				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	99	94	5.2				70 - 130	30
1,2-Dichloroethane	ND	1.0	106	99	6.8				70 - 130	30
1,2-Dichloropropane	ND	1.0	103	98	5.0				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	109	102	6.6				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	103	98	5.0				70 - 130	30
1,3-Dichloropropane	ND	1.0	104	99	4.9				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	99	95	4.1				70 - 130	30
2,2-Dichloropropane	ND	1.0	113	111	1.8				70 - 130	30
2-Chlorotoluene	ND	1.0	103	97	6.0				70 - 130	30
2-Hexanone	ND	5.0	105	98	6.9				70 - 130	30
2-Isopropyltoluene	ND	1.0	111	107	3.7				70 - 130	30
4-Chlorotoluene	ND	1.0	103	98	5.0				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	102	94	8.2				70 - 130	30
Acetone	ND	5.0	99	89	10.6				70 - 130	30
Acrolein	ND	5.0	98	91	7.4				70 - 130	30
Acrylonitrile	ND	5.0	112	107	4.6				70 - 130	30
Benzene	ND	0.70	103	98	5.0				70 - 130	30
Bromobenzene	ND	1.0	101	95	6.1				70 - 130	30
Bromochloromethane	ND	1.0	104	96	8.0				70 - 130	30
Bromodichloromethane	ND	0.50	103	99	4.0				70 - 130	30
Bromoform	ND	1.0	109	102	6.6				70 - 130	30
Bromomethane	ND	1.0	120	119	0.8				70 - 130	30
Carbon Disulfide	ND	1.0	106	101	4.8				70 - 130	30
Carbon tetrachloride	ND	1.0	109	103	5.7				70 - 130	30
Chlorobenzene	ND	1.0	102	98	4.0				70 - 130	30
Chloroethane	ND	1.0	114	104	9.2				70 - 130	30
Chloroform	ND	1.0	106	100	5.8				70 - 130	30
Chloromethane	ND	1.0	104	97	7.0				70 - 130	30

QA/QC Data

SDG I.D.: GBZ03707

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,2-Dichloroethene	ND	1.0	103	97	6.0				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	107	101	5.8				70 - 130	30
Dibromochloromethane	ND	0.50	111	107	3.7				70 - 130	30
Dibromomethane	ND	1.0	104	98	5.9				70 - 130	30
Dichlorodifluoromethane	ND	1.0	130	119	8.8				70 - 130	30
Ethylbenzene	ND	1.0	106	101	4.8				70 - 130	30
Hexachlorobutadiene	ND	0.40	104	104	0.0				70 - 130	30
Isopropylbenzene	ND	1.0	106	101	4.8				70 - 130	30
m&p-Xylene	ND	1.0	116	110	5.3				70 - 130	30
Methyl ethyl ketone	ND	5.0	109	101	7.6				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	111	104	6.5				70 - 130	30
Methylene chloride	ND	1.0	84	80	4.9				70 - 130	30
Naphthalene	ND	1.0	102	98	4.0				70 - 130	30
n-Butylbenzene	ND	1.0	107	103	3.8				70 - 130	30
n-Propylbenzene	ND	1.0	105	100	4.9				70 - 130	30
o-Xylene	ND	1.0	106	101	4.8				70 - 130	30
p-Isopropyltoluene	ND	1.0	110	105	4.7				70 - 130	30
sec-Butylbenzene	ND	1.0	113	107	5.5				70 - 130	30
Styrene	ND	1.0	106	101	4.8				70 - 130	30
tert-Butylbenzene	ND	1.0	107	101	5.8				70 - 130	30
Tetrachloroethene	ND	1.0	102	98	4.0				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	104	94	10.1				70 - 130	30
Toluene	ND	1.0	103	98	5.0				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	103	98	5.0				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	102	96	6.1				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	88	87	1.1				70 - 130	30
Trichloroethene	ND	1.0	105	100	4.9				70 - 130	30
Trichlorofluoromethane	ND	1.0	107	99	7.8				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	102	97	5.0				70 - 130	30
Vinyl chloride	ND	1.0	109	102	6.6				70 - 130	30
% 1,2-dichlorobenzene-d4	99	%	99	97	2.0				70 - 130	30
% Bromofluorobenzene	106	%	105	102	2.9				70 - 130	30
% Dibromofluoromethane	92	%	103	100	3.0				70 - 130	30
% Toluene-d8	103	%	99	99	0.0				70 - 130	30

Comment:

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

QA/QC Batch 402139 (ug/L), QC Sample No: BZ03711 (BZ03707, BZ03708 (20X) , BZ03709 (20X) , BZ03710 (20X) , BZ03711)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	96	102	6.1				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	89	95	6.5				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	96	105	9.0				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	88	95	7.7				70 - 130	30
1,1-Dichloroethane	ND	1.0	94	101	7.2				70 - 130	30
1,1-Dichloroethene	ND	1.0	84	90	6.9				70 - 130	30
1,1-Dichloropropene	ND	1.0	88	94	6.6				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	85	97	13.2				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	95	105	10.0				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	86	98	13.0				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	92	99	7.3				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	96	106	9.9				70 - 130	30
1,2-Dibromoethane	ND	1.0	95	101	6.1				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	86	94	8.9				70 - 130	30

QA/QC Data

SDG I.D.: GBZ03707

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2-Dichloroethane	ND	1.0	93	99	6.3				70 - 130	30
1,2-Dichloropropane	ND	1.0	91	99	8.4				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	94	101	7.2				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	91	97	6.4				70 - 130	30
1,3-Dichloropropane	ND	1.0	92	97	5.3				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	88	95	7.7				70 - 130	30
2,2-Dichloropropane	ND	1.0	95	101	6.1				70 - 130	30
2-Chlorotoluene	ND	1.0	92	97	5.3				70 - 130	30
2-Hexanone	ND	5.0	91	98	7.4				70 - 130	30
2-Isopropyltoluene	ND	1.0	96	101	5.1				70 - 130	30
4-Chlorotoluene	ND	1.0	91	97	6.4				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	86	96	11.0				70 - 130	30
Acetone	ND	5.0	85	92	7.9				70 - 130	30
Acrolein	ND	5.0	90	96	6.5				70 - 130	30
Acrylonitrile	ND	5.0	94	104	10.1				70 - 130	30
Benzene	ND	0.70	90	96	6.5				70 - 130	30
Bromobenzene	ND	1.0	90	97	7.5				70 - 130	30
Bromochloromethane	ND	1.0	90	96	6.5				70 - 130	30
Bromodichloromethane	ND	0.50	92	100	8.3				70 - 130	30
Bromoform	ND	1.0	98	109	10.6				70 - 130	30
Bromomethane	ND	1.0	112	115	2.6				70 - 130	30
Carbon Disulfide	ND	1.0	92	96	4.3				70 - 130	30
Carbon tetrachloride	ND	1.0	88	96	8.7				70 - 130	30
Chlorobenzene	ND	1.0	92	97	5.3				70 - 130	30
Chloroethane	ND	1.0	100	103	3.0				70 - 130	30
Chloroform	ND	1.0	93	100	7.3				70 - 130	30
Chloromethane	ND	1.0	83	91	9.2				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	90	98	8.5				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	94	102	8.2				70 - 130	30
Dibromochloromethane	ND	0.50	101	106	4.8				70 - 130	30
Dibromomethane	ND	1.0	91	99	8.4				70 - 130	30
Dichlorodifluoromethane	ND	1.0	79	85	7.3				70 - 130	30
Ethylbenzene	ND	1.0	92	97	5.3				70 - 130	30
Hexachlorobutadiene	ND	0.40	88	93	5.5				70 - 130	30
Isopropylbenzene	ND	1.0	93	98	5.2				70 - 130	30
m&p-Xylene	ND	1.0	101	107	5.8				70 - 130	30
Methyl ethyl ketone	ND	5.0	94	104	10.1				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	96	104	8.0				70 - 130	30
Methylene chloride	ND	1.0	75	81	7.7				70 - 130	30
Naphthalene	ND	1.0	87	100	13.9				70 - 130	30
n-Butylbenzene	ND	1.0	90	95	5.4				70 - 130	30
n-Propylbenzene	ND	1.0	91	96	5.3				70 - 130	30
o-Xylene	ND	1.0	94	98	4.2				70 - 130	30
p-Isopropyltoluene	ND	1.0	93	99	6.3				70 - 130	30
sec-Butylbenzene	ND	1.0	95	100	5.1				70 - 130	30
Styrene	ND	1.0	93	101	8.2				70 - 130	30
tert-Butylbenzene	ND	1.0	92	97	5.3				70 - 130	30
Tetrachloroethene	ND	1.0	85	91	6.8				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	91	100	9.4				70 - 130	30
Toluene	ND	1.0	90	96	6.5				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	88	94	6.6				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	90	98	8.5				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	101	107	5.8				70 - 130	30

QA/QC Data

SDG I.D.: GBZ03707

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
Trichloroethene	ND	1.0	89	95	6.5				70 - 130	30
Trichlorofluoromethane	ND	1.0	84	89	5.8				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	81	86	6.0				70 - 130	30
Vinyl chloride	ND	1.0	85	91	6.8				70 - 130	30
% 1,2-dichlorobenzene-d4	97	%	97	99	2.0				70 - 130	30
% Bromofluorobenzene	105	%	101	103	2.0				70 - 130	30
% Dibromofluoromethane	91	%	100	102	2.0				70 - 130	30
% Toluene-d8	105	%	100	101	1.0				70 - 130	30

Comment:

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

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
September 28, 2017

Thursday, September 28, 2017

Criteria: NY: 375GWP, GW

State: NY

Sample Criteria Exceedances Report

GBZ03707 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BZ03707	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	100	10	2	2	ug/L
BZ03707	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	100	10	2	2	ug/L
BZ03707	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	76	10	5	5	ug/L
BZ03707	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	1.1	0.70	0.7	0.7	ug/L
BZ03707	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	1.1	0.70	1	1	ug/L
BZ03707	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BZ03707	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BZ03707	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
BZ03708	\$8260DP25R	Acrolein	NY / TOGS - Water Quality / GA Criteria	ND	13	5	5	ug/L
BZ03708	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	480	20	2	2	ug/L
BZ03708	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	480	20	2	2	ug/L
BZ03708	\$8260DP25R	trans-1,2-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	6.4	25	5	5	ug/L
BZ03708	\$8260DP25R	trans-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	6.4	25	5	5	ug/L
BZ03708	\$8260DP25R	Acrylonitrile	NY / TOGS - Water Quality / GA Criteria	ND	13	5	5	ug/L
BZ03708	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	440	20	5	5	ug/L
BZ03708	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	1.3	0.7	0.7	ug/L
BZ03708	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	ND	1.3	1	1	ug/L
BZ03708	\$8260DP25R	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	2.5	0.6	0.6	ug/L
BZ03708	\$8260DP25R	1,2-Dichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	1	1	ug/L
BZ03708	\$8260DP25R	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.4	0.4	ug/L
BZ03708	\$8260DP25R	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.4	0.4	ug/L
BZ03708	\$8260DP25R	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	1	1	ug/L
BZ03708	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.0006	0.0006	ug/L
BZ03708	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.04	0.04	ug/L
BZ03708	\$8260DP25R	trans-1,4-dichloro-2-butene	NY / TOGS - Water Quality / GA Criteria	ND	13	5	5	ug/L
BZ03708	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	2.5	0.04	0.04	ug/L
BZ03708	\$8260DP25R	Hexachlorobutadiene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.5	0.5	ug/L
BZ03709	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	24	20	2	2	ug/L
BZ03709	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	24	20	2	2	ug/L
BZ03709	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	29	20	5	5	ug/L
BZ03709	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	2.2	0.70	0.7	0.7	ug/L
BZ03709	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	2.2	0.70	1	1	ug/L
BZ03709	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BZ03709	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BZ03709	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
BZ03710	\$8260DP25R	Acrolein	NY / TOGS - Water Quality / GA Criteria	ND	13	5	5	ug/L
BZ03710	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	540	20	2	2	ug/L
BZ03710	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	540	20	2	2	ug/L
BZ03710	\$8260DP25R	trans-1,2-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	7.2	25	5	5	ug/L
BZ03710	\$8260DP25R	trans-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	7.2	25	5	5	ug/L

Thursday, September 28, 2017

Criteria: NY: 375GWP, GW

State: NY

Sample Criteria Exceedances Report

GBZ03707 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BZ03710	\$8260DP25R	Acrylonitrile	NY / TOGS - Water Quality / GA Criteria	ND	13	5	5	ug/L
BZ03710	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	450	20	5	5	ug/L
BZ03710	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	1.3	0.7	0.7	ug/L
BZ03710	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	ND	1.3	1	1	ug/L
BZ03710	\$8260DP25R	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	2.5	0.6	0.6	ug/L
BZ03710	\$8260DP25R	1,2-Dichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	1	1	ug/L
BZ03710	\$8260DP25R	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.4	0.4	ug/L
BZ03710	\$8260DP25R	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.4	0.4	ug/L
BZ03710	\$8260DP25R	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	1	1	ug/L
BZ03710	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.0006	0.0006	ug/L
BZ03710	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.04	0.04	ug/L
BZ03710	\$8260DP25R	trans-1,4-dichloro-2-butene	NY / TOGS - Water Quality / GA Criteria	ND	13	5	5	ug/L
BZ03710	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	2.5	0.04	0.04	ug/L
BZ03710	\$8260DP25R	Hexachlorobutadiene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.5	0.5	ug/L
BZ03711	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BZ03711	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BZ03711	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	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 exceedances. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedance 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

September 28, 2017

SDG I.D.: GBZ03707

The samples in this delivery group were received at 3.4°C.
(Note acceptance criteria is above freezing up to 6°C)



Wednesday, January 03, 2018

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

Project ID: 34-11 BEACH CHANNEL DRIVE
Sample ID#s: BZ61082 - BZ61086

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. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. 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 #M-CT007
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



**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: Environmental Business Consultants
Project: 34-11 BEACH CHANNEL DRIVE
Laboratory Project: GBZ61082



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

January 03, 2018

SDG I.D.: GBZ61082

Environmental Business Consultants 34-11 BEACH CHANNEL DRIVE

Methodology Summary

Volatile Organic Compounds:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III, Method 8260C and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 624) as printed in 40CFR part 136.

Sample Id Cross Reference

Client Id	Lab Id	Matrix
15MW1	BZ61082	GROUND WATER
15MW2	BZ61083	GROUND WATER
15MW3	BZ61084	GROUND WATER
GW DUPLICATE	BZ61085	GROUND WATER
TRIP BLANK	BZ61086	WATER



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

January 03, 2018

SDG I.D.: GBZ61082

Environmental Business Consultants 34-11 BEACH CHANNEL DRIVE

Laboratory Chronicle

The samples in this delivery group were received at 3.1°C.

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
BZ61082	Volatiles	12/13/17	12/18/17	12/18/17	MH	Y
BZ61083	Volatiles	12/13/17	12/16/17	12/16/17	MH	Y
BZ61084	Volatiles	12/13/17	12/16/17	12/16/17	MH	Y
BZ61085	Volatiles	12/13/17	12/18/17	12/18/17	MH	Y
BZ61086	Volatiles	12/13/17	12/16/17	12/16/17	HM	Y



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 03, 2018

SDG I.D.: GBZ61082

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.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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 03, 2018

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

12/13/17

Time

15:56

Laboratory Data

SDG ID: GBZ61082
Phoenix ID: BZ61082

Project ID: 34-11 BEACH CHANNEL DRIVE
Client ID: 15MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	12/18/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	12/18/17	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	12/18/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/18/17	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,3-Dichlorobenzene	0.35	J 1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	12/18/17	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/18/17	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	12/18/17	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	12/18/17	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	12/18/17	MH	SW8260C
Benzene	1.8	0.70	0.25	ug/L	1	12/18/17	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
cis-1,2-Dichloroethene	17	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/18/17	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	12/18/17	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	12/18/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	0.50	J 1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	12/18/17	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	12/18/17	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
o-Xylene	0.43	J 1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	12/18/17	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
trans-1,2-Dichloroethene	4.3	J 5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/18/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	12/18/17	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Vinyl chloride	27	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	12/18/17	MH	70 - 130 %
% Bromofluorobenzene	98			%	1	12/18/17	MH	70 - 130 %
% Dibromofluoromethane	102			%	1	12/18/17	MH	70 - 130 %

1

Client ID: 15MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98			%	1	12/18/17	MH	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 L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

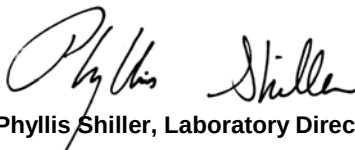
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:**Volatile Comment:**

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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Phyllis Shiller, Laboratory Director

January 03, 2018

Reviewed and Released by: Jon Carlson, Project Manager



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 03, 2018

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

12/13/17

Time

15:56

Laboratory Data

SDG ID: GBZ61082
Phoenix ID: BZ61083

Project ID: 34-11 BEACH CHANNEL DRIVE
Client ID: 15MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C B
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	12/18/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C B
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	12/18/17	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	12/18/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/18/17	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	12/18/17	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C 1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/18/17	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	16	S 5.0	2.5	ug/L	1	12/18/17	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	12/18/17	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	12/18/17	MH	SW8260C
Benzene	0.38	J 0.70	0.25	ug/L	1	12/18/17	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
cis-1,2-Dichloroethene	25	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/18/17	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	12/18/17	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
m&p-Xylene	0.39	J 1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Methyl ethyl ketone	3.0	2.5	2.5	ug/L	1	12/18/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	12/18/17	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	12/18/17	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
o-Xylene	0.34	J 1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	12/18/17	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
trans-1,2-Dichloroethene	1.9	J 5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/18/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	12/18/17	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Vinyl chloride	39	D 20	5.0	ug/L	20	12/16/17	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	103			%	1	12/18/17	MH	70 - 130 %
% Bromofluorobenzene	97			%	1	12/18/17	MH	70 - 130 %
% Dibromofluoromethane	101			%	1	12/18/17	MH	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98			%	1	12/18/17	MH	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.
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 L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

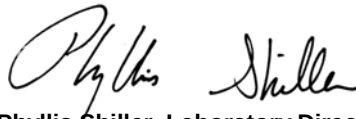
Comments:**Volatile Comment:**

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

January 03, 2018

Reviewed and Released by: Jon Carlson, Project Manager



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 03, 2018

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

12/13/17

Time

15:56

Laboratory Data

SDG ID: GBZ61082
Phoenix ID: BZ61084

Project ID: 34-11 BEACH CHANNEL DRIVE
Client ID: 15MW3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C B
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	12/18/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C B
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	12/18/17	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	12/18/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/18/17	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	12/18/17	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C 1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/18/17	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	12/18/17	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	12/18/17	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	12/18/17	MH	SW8260C
Benzene	1.1	0.70	0.25	ug/L	1	12/18/17	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
cis-1,2-Dichloroethene	26	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/18/17	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	12/18/17	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	12/18/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	12/18/17	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	12/18/17	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	12/18/17	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
trans-1,2-Dichloroethene	1.0	J 5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/18/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	12/18/17	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Vinyl chloride	43	D 20	5.0	ug/L	20	12/16/17	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	1	12/18/17	MH	70 - 130 %
% Bromofluorobenzene	97			%	1	12/18/17	MH	70 - 130 %
% Dibromofluoromethane	103			%	1	12/18/17	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	97			%	1	12/18/17	MH	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.
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 L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:**Volatile Comment:**

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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Phyllis Shiller, Laboratory Director

January 03, 2018

Reviewed and Released by: Jon Carlson, Project Manager



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 03, 2018

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

12/13/17

Time

15:56

Laboratory Data

SDG ID: GBZ61082
Phoenix ID: BZ61085

Project ID: 34-11 BEACH CHANNEL DRIVE
Client ID: GW DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C B
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	12/18/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C B
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	12/18/17	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	12/18/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/18/17	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,3-Dichlorobenzene	0.38	J 1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	12/18/17	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C 1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/18/17	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	12/18/17	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	12/18/17	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	12/18/17	MH	SW8260C
Benzene	1.8	0.70	0.25	ug/L	1	12/18/17	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
cis-1,2-Dichloroethene	17	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/18/17	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	12/18/17	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	12/18/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	0.51	J 1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	12/18/17	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	12/18/17	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
o-Xylene	0.43	J 1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	12/18/17	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
trans-1,2-Dichloroethene	4.4	J 5.0	0.25	ug/L	1	12/18/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/18/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	12/18/17	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
Vinyl chloride	28	1.0	0.25	ug/L	1	12/18/17	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	1	12/18/17	MH	70 - 130 %
% Bromofluorobenzene	99			%	1	12/18/17	MH	70 - 130 %
% Dibromofluoromethane	103			%	1	12/18/17	MH	70 - 130 %

1

Client ID: GW DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98			%	1	12/18/17	MH	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.

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 L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:**Volatile Comment:**

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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Phyllis Shiller, Laboratory Director

January 03, 2018

Reviewed and Released by: Jon Carlson, Project Manager



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 03, 2018

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

Sample Information

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

Custody Information

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

Date

12/13/17

Time

15:56

Laboratory Data

SDG ID: GBZ61082
Phoenix ID: BZ61086

Project ID: 34-11 BEACH CHANNEL DRIVE
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/16/17	HM	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/16/17	HM	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	12/16/17	HM	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	12/16/17	HM	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	12/16/17	HM	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/16/17	HM	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	12/16/17	HM	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/16/17	HM	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	12/16/17	HM	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	12/16/17	HM	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	12/16/17	HM	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	12/16/17	HM	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	12/16/17	HM	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	12/16/17	HM	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	12/16/17	HM	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	12/16/17	HM	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	12/16/17	HM	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	12/16/17	HM	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/16/17	HM	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	12/16/17	HM	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	12/16/17	HM	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	12/16/17	HM	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	12/16/17	HM	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	12/16/17	HM	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	12/16/17	HM	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/16/17	HM	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	12/16/17	HM	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	12/16/17	HM	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	96			%	1	12/16/17	HM	70 - 130 %
% Bromofluorobenzene	89			%	1	12/16/17	HM	70 - 130 %
% Dibromofluoromethane	98			%	1	12/16/17	HM	70 - 130 %

1

Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99			%	1	12/16/17	HM	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.

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 L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

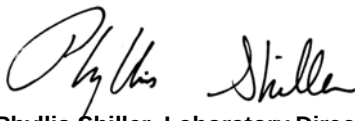
TRIP BLANK INCLUDED.

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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



Phyllis Shiller, Laboratory Director

January 03, 2018

Reviewed and Released by: Jon Carlson, Project Manager



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 03, 2018

QA/QC Data

SDG I.D.: GBZ61082

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 413449 (ug/L), QC Sample No: BZ61087 (BZ61083 (20X) , BZ61084 (20X) , BZ61086)										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	1.0	84	90	6.9				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	82	87	5.9				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	85	95	11.1				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	78	86	9.8				70 - 130	30
1,1-Dichloroethane	ND	1.0	84	93	10.2				70 - 130	30
1,1-Dichloroethene	ND	1.0	85	92	7.9				70 - 130	30
1,1-Dichloropropene	ND	1.0	83	89	7.0				70 - 130	30
1,2,3-Trichlorobenzene	0.31 JB	1.0	77	86	11.0				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	78	86	9.8				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	79	87	9.6				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	83	88	5.8				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	86	92	6.7				70 - 130	30
1,2-Dibromoethane	ND	1.0	80	88	9.5				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	79	84	6.1				70 - 130	30
1,2-Dichloroethane	ND	1.0	81	89	9.4				70 - 130	30
1,2-Dichloropropane	ND	1.0	82	90	9.3				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	86	89	3.4				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	81	85	4.8				70 - 130	30
1,3-Dichloropropane	ND	1.0	79	88	10.8				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	79	85	7.3				70 - 130	30
2,2-Dichloropropane	ND	1.0	89	96	7.6				70 - 130	30
2-Chlorotoluene	ND	1.0	83	87	4.7				70 - 130	30
2-Hexanone	ND	5.0	80	89	10.7				70 - 130	30
2-Isopropyltoluene	ND	1.0	94	99	5.2				70 - 130	30
4-Chlorotoluene	ND	1.0	82	87	5.9				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	83	94	12.4				70 - 130	30
Acetone	ND	5.0	84	97	14.4				70 - 130	30
Acrolein	ND	5.0	97	108	10.7				70 - 130	30
Acrylonitrile	ND	5.0	93	108	14.9				70 - 130	30
Benzene	ND	0.70	82	90	9.3				70 - 130	30
Bromobenzene	ND	1.0	84	88	4.7				70 - 130	30
Bromochloromethane	ND	1.0	79	89	11.9				70 - 130	30
Bromodichloromethane	ND	0.50	81	88	8.3				70 - 130	30
Bromoform	ND	1.0	82	89	8.2				70 - 130	30
Bromomethane	ND	1.0	100	107	6.8				70 - 130	30
Carbon Disulfide	ND	1.0	99	108	8.7				70 - 130	30
Carbon tetrachloride	ND	1.0	81	86	6.0				70 - 130	30
Chlorobenzene	ND	1.0	80	85	6.1				70 - 130	30
Chloroethane	ND	1.0	101	108	6.7				70 - 130	30
Chloroform	ND	1.0	80	87	8.4				70 - 130	30
Chloromethane	ND	1.0	94	105	11.1				70 - 130	30

QA/QC Data

SDG I.D.: GBZ61082

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,2-Dichloroethene	ND	1.0	82	90	9.3				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	80	89	10.7				70 - 130	30
Dibromochloromethane	ND	0.50	86	93	7.8				70 - 130	30
Dibromomethane	ND	1.0	78	86	9.8				70 - 130	30
Dichlorodifluoromethane	ND	1.0	95	102	7.1				70 - 130	30
Ethylbenzene	ND	1.0	83	88	5.8				70 - 130	30
Hexachlorobutadiene	ND	0.40	88	87	1.1				70 - 130	30
Isopropylbenzene	ND	1.0	85	86	1.2				70 - 130	30
m&p-Xylene	ND	1.0	82	86	4.8				70 - 130	30
Methyl ethyl ketone	ND	5.0	92	105	13.2				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	98	109	10.6				70 - 130	30
Methylene chloride	ND	1.0	82	90	9.3				70 - 130	30
Naphthalene	ND	1.0	77	89	14.5				70 - 130	30
n-Butylbenzene	ND	1.0	85	90	5.7				70 - 130	30
n-Propylbenzene	ND	1.0	85	88	3.5				70 - 130	30
o-Xylene	ND	1.0	82	88	7.1				70 - 130	30
p-Isopropyltoluene	ND	1.0	85	88	3.5				70 - 130	30
sec-Butylbenzene	ND	1.0	86	91	5.6				70 - 130	30
Styrene	ND	1.0	81	88	8.3				70 - 130	30
tert-Butylbenzene	ND	1.0	83	87	4.7				70 - 130	30
Tetrachloroethene	ND	1.0	79	84	6.1				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	85	100	16.2				70 - 130	30
Toluene	ND	1.0	82	88	7.1				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	82	91	10.4				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	79	88	10.8				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	99	113	13.2				70 - 130	30
Trichloroethene	ND	1.0	81	86	6.0				70 - 130	30
Trichlorofluoromethane	ND	1.0	96	102	6.1				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	94	96	2.1				70 - 130	30
Vinyl chloride	ND	1.0	98	105	6.9				70 - 130	30
% 1,2-dichlorobenzene-d4	98	%	100	99	1.0				70 - 130	30
% Bromofluorobenzene	95	%	99	102	3.0				70 - 130	30
% Dibromofluoromethane	96	%	95	99	4.1				70 - 130	30
% Toluene-d8	97	%	100	101	1.0				70 - 130	30

Comment:

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

QA/QC Batch 413656 (ug/L), QC Sample No: BZ61092 (BZ61083, BZ61084, BZ61085)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	103	106	2.9	109	113	3.6	70 - 130	30
1,1,1-Trichloroethane	ND	1.0	100	105	4.9	113	116	2.6	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	104	109	4.7	110	113	2.7	70 - 130	30
1,1,2-Trichloroethane	ND	1.0	102	106	3.8	108	110	1.8	70 - 130	30
1,1-Dichloroethane	ND	1.0	103	106	2.9	114	117	2.6	70 - 130	30
1,1-Dichloroethene	ND	1.0	104	108	3.8	119	120	0.8	70 - 130	30
1,1-Dichloropropene	ND	1.0	101	105	3.9	115	117	1.7	70 - 130	30
1,2,3-Trichlorobenzene	0.43 J	1.0	103	109	5.7	96	101	5.1	70 - 130	30
1,2,3-Trichloropropane	ND	1.0	99	106	6.8	104	108	3.8	70 - 130	30
1,2,4-Trichlorobenzene	0.25 J	1.0	101	107	5.8	101	106	4.8	70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	99	103	4.0	109	111	1.8	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	106	112	5.5	103	105	1.9	70 - 130	30
1,2-Dibromoethane	ND	1.0	104	107	2.8	110	113	2.7	70 - 130	30
1,2-Dichlorobenzene	ND	1.0	97	103	6.0	107	109	1.9	70 - 130	30

QA/QC Data

SDG I.D.: GBZ61082

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2-Dichloroethane	ND	1.0	100	103	3.0	109	111	1.8	70 - 130	30
1,2-Dichloropropane	ND	1.0	100	105	4.9	111	114	2.7	70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	100	105	4.9	112	114	1.8	70 - 130	30
1,3-Dichlorobenzene	ND	1.0	100	104	3.9	109	111	1.8	70 - 130	30
1,3-Dichloropropane	ND	1.0	101	104	2.9	109	110	0.9	70 - 130	30
1,4-Dichlorobenzene	ND	1.0	100	104	3.9	108	109	0.9	70 - 130	30
2,2-Dichloropropane	ND	1.0	105	109	3.7	100	103	3.0	70 - 130	30
2-Chlorotoluene	ND	1.0	99	104	4.9	109	112	2.7	70 - 130	30
2-Hexanone	ND	5.0	91	92	1.1	93	97	4.2	70 - 130	30
2-Isopropyltoluene	ND	1.0	98	103	5.0	110	112	1.8	70 - 130	30
4-Chlorotoluene	ND	1.0	99	103	4.0	109	110	0.9	70 - 130	30
4-Methyl-2-pentanone	ND	5.0	94	95	1.1	92	97	5.3	70 - 130	30
Acetone	ND	5.0	92	91	1.1	101	101	0.0	70 - 130	30
Acrolein	ND	5.0	106	104	1.9	100	101	1.0	70 - 130	30
Acrylonitrile	ND	5.0	105	108	2.8	105	111	5.6	70 - 130	30
Benzene	ND	0.70	101	105	3.9	113	115	1.8	70 - 130	30
Bromobenzene	ND	1.0	102	106	3.8	111	113	1.8	70 - 130	30
Bromochloromethane	ND	1.0	104	109	4.7	111	114	2.7	70 - 130	30
Bromodichloromethane	ND	0.50	100	105	4.9	108	111	2.7	70 - 130	30
Bromoform	ND	1.0	105	105	0.0	101	104	2.9	70 - 130	30
Bromomethane	ND	1.0	117	125	6.6	75	115	42.1	70 - 130	30
Carbon Disulfide	ND	1.0	104	108	3.8	116	119	2.6	70 - 130	30
Carbon tetrachloride	ND	1.0	101	105	3.9	106	109	2.8	70 - 130	30
Chlorobenzene	ND	1.0	100	104	3.9	110	113	2.7	70 - 130	30
Chloroethane	ND	1.0	98	104	5.9	108	112	3.6	70 - 130	30
Chloroform	ND	1.0	101	105	3.9	113	116	2.6	70 - 130	30
Chloromethane	ND	1.0	96	102	6.1	102	109	6.6	70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	100	103	3.0	NC	NC	NC	70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	105	108	2.8	108	110	1.8	70 - 130	30
Dibromochloromethane	ND	0.50	106	107	0.9	107	111	3.7	70 - 130	30
Dibromomethane	ND	1.0	99	102	3.0	104	107	2.8	70 - 130	30
Dichlorodifluoromethane	ND	1.0	95	98	3.1	97	94	3.1	70 - 130	30
Ethylbenzene	ND	1.0	101	105	3.9	113	116	2.6	70 - 130	30
Hexachlorobutadiene	ND	0.40	104	110	5.6	106	110	3.7	70 - 130	30
Isopropylbenzene	ND	1.0	98	102	4.0	110	112	1.8	70 - 130	30
m&p-Xylene	ND	1.0	101	104	2.9	111	115	3.5	70 - 130	30
Methyl ethyl ketone	ND	5.0	95	94	1.1	96	101	5.1	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	105	108	2.8	110	112	1.8	70 - 130	30
Methylene chloride	ND	1.0	94	98	4.2	105	106	0.9	70 - 130	30
Naphthalene	ND	1.0	106	114	7.3	92	111	18.7	70 - 130	30
n-Butylbenzene	ND	1.0	101	106	4.8	114	115	0.9	70 - 130	30
n-Propylbenzene	ND	1.0	98	103	5.0	109	112	2.7	70 - 130	30
o-Xylene	ND	1.0	102	106	3.8	112	117	4.4	70 - 130	30
p-Isopropyltoluene	ND	1.0	101	105	3.9	113	114	0.9	70 - 130	30
sec-Butylbenzene	ND	1.0	102	106	3.8	116	118	1.7	70 - 130	30
Styrene	ND	1.0	104	107	2.8	112	117	4.4	70 - 130	30
tert-Butylbenzene	ND	1.0	98	102	4.0	111	113	1.8	70 - 130	30
Tetrachloroethene	ND	1.0	102	106	3.8	NC	NC	NC	70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	99	99	0.0	99	102	3.0	70 - 130	30
Toluene	ND	1.0	101	105	3.9	112	115	2.6	70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	101	104	2.9	114	115	0.9	70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	101	103	2.0	102	105	2.9	70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	102	107	4.8	80	83	3.7	70 - 130	30

QA/QC Data

SDG I.D.: GBZ61082

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Trichloroethene	ND	1.0	101	106	4.8	<10	<10	NC	70 - 130	30	m
Trichlorofluoromethane	ND	1.0	94	99	5.2	104	105	1.0	70 - 130	30	
Trichlorotrifluoroethane	ND	1.0	104	105	1.0	103	102	1.0	70 - 130	30	
Vinyl chloride	ND	1.0	99	102	3.0	107	112	4.6	70 - 130	30	
% 1,2-dichlorobenzene-d4	98	%	97	99	2.0	100	100	0.0	70 - 130	30	
% Bromofluorobenzene	96	%	101	101	0.0	101	103	2.0	70 - 130	30	
% Dibromofluoromethane	104	%	101	101	0.0	98	101	3.0	70 - 130	30	
% Toluene-d8	98	%	99	100	1.0	100	100	0.0	70 - 130	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
January 03, 2018

Wednesday, January 03, 2018

Criteria: NY: 375GWP, GW

State: NY

Sample Criteria Exceedances Report

GBZ61082 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BZ61082	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	1.8	0.70	0.7	0.7	ug/L
BZ61082	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	27	1.0	2	2	ug/L
BZ61082	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
BZ61082	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BZ61082	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	1.8	0.70	1	1	ug/L
BZ61082	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	17	1.0	5	5	ug/L
BZ61082	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	27	1.0	2	2	ug/L
BZ61082	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BZ61083	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	39	20	2	2	ug/L
BZ61083	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	39	20	2	2	ug/L
BZ61083	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	25	1.0	5	5	ug/L
BZ61083	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BZ61083	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BZ61083	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
BZ61084	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	43	20	2	2	ug/L
BZ61084	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	43	20	2	2	ug/L
BZ61084	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	26	1.0	5	5	ug/L
BZ61084	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	1.1	0.70	0.7	0.7	ug/L
BZ61084	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	1.1	0.70	1	1	ug/L
BZ61084	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BZ61084	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BZ61084	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
BZ61085	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	1.8	0.70	0.7	0.7	ug/L
BZ61085	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	28	1.0	2	2	ug/L
BZ61085	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BZ61085	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
BZ61085	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BZ61085	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	1.8	0.70	1	1	ug/L
BZ61085	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	17	1.0	5	5	ug/L
BZ61085	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	28	1.0	2	2	ug/L
BZ61086	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BZ61086	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BZ61086	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	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 exceedances. 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 03, 2018

SDG I.D.: GBZ61082

The samples in this delivery group were received at 3.1°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



PHOENIX
Environmental Laboratory

Customer: Environmental Business Consultants
Address: 1808 Middle Country Road
Ridge, NY 11961

Project:	34-11 Beach Channel Drive
Report to:	Environmental Business Consultants
Invoice to:	Environmental Business Consultants

Project P.O.:

This section *MUST* be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's
Signature Thomas Gallo

Matrix Code:
 DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
 RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
 OIL=Oil B=Bulk L=Liquid

PHOENIX USE ONLY	SAMPLE F #	CUSTOMER SAMPLE IDENTIFICATION	SAMPLE MATRIX	DATE SAMPLED	TIME SAMPLED

61082	15MW1	GW	12-13-17
61083	15MW2	GW	12-13-17
61084	15MW3	GW	12-13-17
61085	GW Duplicate	GW	12-13-17
61086	Triplanks		

Analysis Request

Doc 2760

✗	✗	✗	✗	✗
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Relinquished by:	Accepted by:
------------------	--------------

Ph. Hall	Kelly	12-15-17	9:30
Ph. Hall	Kelly	12-15-17	15:50

Comments, Special Requirements or Regulations:

*Vial labeled 15m-w1

Turnaround:

☐	1 Day*	☐	Res. Criteria
☐	2 Days*	☐	Non-Res. Criteria
☐	3 Days*	☐	Impact to GW Soil
☒	5 Days	☐	Cleanup Criteria
☐	10 Days	☐	GW Criteria

* SURCHARGE
APPLIES

NY

☒ NY 375 GWP
☐ NY375 Unrestricted
 Use Soil
☐ NY375 Residue
 Soil
☐ Restricted/Residue
☐ Commercial
☐ Industrial

State where samples were collected:

Data Format

☐ Phoenix Std Report
☒ Excel
☒ PDF
☐ GIS/Key
☒ EquiS
☐ NJ Hazsite EDD
☒ NY EZ EDD (ASP)
☐ Other

Data Package

☐ NJ Reduced Deliv. *



Monday, April 09, 2018

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

Project ID: 34-11 BEACH CHANNEL DR
Sample ID#s: CA08682 - CA08686

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. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. 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 #M-CT007
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
UT Lab Registration #CT00007
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



**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: Environmental Business Consultants
Project: 34-11 BEACH CHANNEL DR
Laboratory Project: GCA08682



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

April 09, 2018

SDG I.D.: GCA08682

Environmental Business Consultants 34-11 BEACH CHANNEL DR

Methodology Summary

Volatile Organic Compounds:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III, Method 8260C and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 624) as printed in 40CFR part 136.

Sample Id Cross Reference

Client Id	Lab Id	Matrix
15 MW 1	CA08682	GROUND WATER
15 MW 2	CA08683	GROUND WATER
15 MW 3	CA08684	GROUND WATER
GW DUPLICATE	CA08685	GROUND WATER
TRIP BLANK	CA08686	GROUND WATER



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

April 09, 2018

SDG I.D.: GCA08682

Environmental Business Consultants 34-11 BEACH CHANNEL DR

Laboratory Chronicle

The samples in this delivery group were received at 3.5°C.

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
CA08682	1,4-dioxane	03/23/18	03/27/18	03/27/18	MH	Y
CA08682	Volatiles	03/23/18	03/27/18	03/27/18	MH	Y
CA08682	Volatiles	03/23/18	03/27/18	03/27/18	MH	Y
CA08683	1,4-dioxane	03/23/18	03/27/18	03/27/18	MH	Y
CA08683	Volatiles	03/23/18	03/27/18	03/27/18	MH	Y
CA08683	Volatiles	03/23/18	03/27/18	03/27/18	MH	Y
CA08684	1,4-dioxane	03/23/18	03/27/18	03/27/18	MH	Y
CA08684	Volatiles	03/23/18	03/27/18	03/27/18	MH	Y
CA08684	Volatiles	03/23/18	03/27/18	03/27/18	MH	Y
CA08685	1,4-dioxane	03/23/18	03/27/18	03/27/18	MH	Y
CA08685	Volatiles	03/23/18	03/27/18	03/27/18	MH	Y
CA08685	Volatiles	03/23/18	03/27/18	03/27/18	MH	Y
CA08686	1,4-dioxane	03/23/18	03/26/18	03/26/18	MH	Y
CA08686	Volatiles	03/23/18	03/26/18	03/26/18	MH	Y
CA08686	Volatiles	03/23/18	03/26/18	03/26/18	MH	Y



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



SDG Comments

April 09, 2018

SDG I.D.: GCA08682

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/ECD method 504 or 8011 to achieve this criteria.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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



Analysis Report

April 09, 2018

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

Date

03/23/18

Time

16:10

Laboratory Data

SDG ID: GCA08682
Phoenix ID: CA08682

Project ID: 34-11 BEACH CHANNEL DR
Client ID: 15 MW 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2,4-Trimethylbenzene	0.29	J 1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	03/27/18	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	03/27/18	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	03/27/18	MH	SW8260C
2-Isopropyltoluene	0.27	J 1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	03/27/18	MH	SW8260C

Client ID: 15 MW 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	03/27/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	03/27/18	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	03/27/18	MH	SW8260C
Benzene	1.7	0.70	0.25	ug/L	1	03/27/18	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
cis-1,2-Dichloroethene	5.4	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/27/18	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	03/27/18	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	03/27/18	MH	SW8260C
Methyl t-butyl ether (MTBE)	0.38	J 1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	03/27/18	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	03/27/18	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	03/27/18	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
trans-1,2-Dichloroethene	2.1	J 5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/27/18	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	03/27/18	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Vinyl chloride	17	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	102			%	1	03/27/18	MH	70 - 130 %
% Bromofluorobenzene	89			%	1	03/27/18	MH	70 - 130 %
% Dibromofluoromethane	111			%	1	03/27/18	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	92			%	1	03/27/18	MH	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	100	50	ug/l	1	03/27/18	MH	SW8260C
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	03/27/18	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	03/27/18	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	03/27/18	MH	SW8260C

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 L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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



Phyllis Shiller, Laboratory Director

April 09, 2018

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

April 09, 2018

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

Date

03/23/18

Time

16:10

Laboratory Data

SDG ID: GCA08682
Phoenix ID: CA08683

Project ID: 34-11 BEACH CHANNEL DR
Client ID: 15 MW 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	03/27/18	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	03/27/18	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	03/27/18	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	03/27/18	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	03/27/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	03/27/18	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	03/27/18	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	03/27/18	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
cis-1,2-Dichloroethene	5.9	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/27/18	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	03/27/18	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
m&p-Xylene	0.54	J 1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	03/27/18	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	03/27/18	MH	SW8260C
Naphthalene	1.5	1.0	1.0	ug/L	1	03/27/18	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
o-Xylene	0.36	J 1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Tetrahydrofuran (THF)	7.0	5.0	2.5	ug/L	1	03/27/18	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
trans-1,2-Dichloroethene	0.37	J 5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/27/18	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	03/27/18	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Vinyl chloride	27	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	1	03/27/18	MH	70 - 130 %
% Bromofluorobenzene	87			%	1	03/27/18	MH	70 - 130 %
% Dibromofluoromethane	113			%	1	03/27/18	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	91			%	1	03/27/18	MH	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	100	50	ug/l	1	03/27/18	MH	SW8260C
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	03/27/18	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	03/27/18	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	03/27/18	MH	SW8260C

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 L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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Phyllis Shiller, Laboratory Director

April 09, 2018

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

April 09, 2018

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

Date

03/23/18

Time

16:10

Laboratory Data

SDG ID: GCA08682
Phoenix ID: CA08684

Project ID: 34-11 BEACH CHANNEL DR
Client ID: 15 MW 3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	03/27/18	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	03/27/18	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	03/27/18	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	03/27/18	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	03/27/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	03/27/18	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	03/27/18	MH	SW8260C
Benzene	0.60	J 0.70	0.25	ug/L	1	03/27/18	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
cis-1,2-Dichloroethene	9.4	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/27/18	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	03/27/18	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	03/27/18	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	03/27/18	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	03/27/18	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	03/27/18	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
trans-1,2-Dichloroethene	0.64	J 5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/27/18	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	03/27/18	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Vinyl chloride	18	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	1	03/27/18	MH	70 - 130 %
% Bromofluorobenzene	86			%	1	03/27/18	MH	70 - 130 %
% Dibromofluoromethane	106			%	1	03/27/18	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	92			%	1	03/27/18	MH	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100	50	ug/l	1	03/27/18	MH	SW8260C
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Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	03/27/18	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	03/27/18	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	03/27/18	MH	SW8260C

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 L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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Phyllis Shiller, Laboratory Director

April 09, 2018

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

April 09, 2018

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

Date

03/23/18

Time

16:10

Laboratory Data

SDG ID: GCA08682
Phoenix ID: CA08685

Project ID: 34-11 BEACH CHANNEL DR
Client ID: GW DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	03/27/18	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	03/27/18	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	03/27/18	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	03/27/18	MH	SW8260C

Client ID: GW DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	03/27/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	03/27/18	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	03/27/18	MH	SW8260C
Benzene	1.6	0.70	0.25	ug/L	1	03/27/18	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Carbon Disulfide	0.31	J 1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
cis-1,2-Dichloroethene	5.5	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/27/18	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	03/27/18	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	03/27/18	MH	SW8260C
Methyl t-butyl ether (MTBE)	0.39	J 1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	03/27/18	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	03/27/18	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	03/27/18	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
trans-1,2-Dichloroethene	2.0	J 5.0	0.25	ug/L	1	03/27/18	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/27/18	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	03/27/18	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Vinyl chloride	18	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	102			%	1	03/27/18	MH	70 - 130 %
% Bromofluorobenzene	87			%	1	03/27/18	MH	70 - 130 %
% Dibromofluoromethane	112			%	1	03/27/18	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	92			%	1	03/27/18	MH	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100	50	ug/l	1	03/27/18	MH	SW8260C
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Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/27/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	03/27/18	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	03/27/18	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	03/27/18	MH	SW8260C

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 L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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Phyllis Shiller, Laboratory Director

April 09, 2018

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

April 09, 2018

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

Date

03/23/18

Time

16:10

Laboratory Data

SDG ID: GCA08682
Phoenix ID: CA08686

Project ID: 34-11 BEACH CHANNEL DR
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	03/26/18	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	03/26/18	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	03/26/18	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	03/26/18	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	03/26/18	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	03/26/18	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	03/26/18	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	03/26/18	MH	SW8260C

Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	03/26/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	03/26/18	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	03/26/18	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	03/26/18	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	03/26/18	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	03/26/18	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	03/26/18	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	03/26/18	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	03/26/18	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	03/26/18	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/26/18	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	03/26/18	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	03/26/18	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	03/26/18	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	03/26/18	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	03/26/18	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	03/26/18	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/26/18	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	03/26/18	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	102			%	1	03/26/18	MH	70 - 130 %
% Bromofluorobenzene	89			%	1	03/26/18	MH	70 - 130 %
% Dibromofluoromethane	114			%	1	03/26/18	MH	70 - 130 %

1

Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	93			%	1	03/26/18	MH	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	100	50	ug/l	1	03/26/18	MH	SW8260C
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/26/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	03/26/18	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	03/26/18	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	03/26/18	MH	SW8260C

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 L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

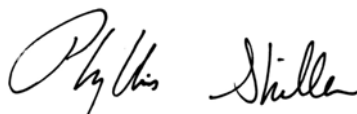
TRIP BLANK INCLUDED.

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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Phyllis Shiller, Laboratory Director

April 09, 2018

Reviewed and Released by: Jon Carlson, Project Manager



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QA/QC Report

April 09, 2018

QA/QC Data

SDG I.D.: GCA08682

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 424238 (ug/L), QC Sample No: CA08679 (CA08682, CA08683, CA08684, CA08685)										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	1.0	87	91	4.5				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	82	82	0.0				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	88	93	5.5				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	80	86	7.2				70 - 130	30
1,1-Dichloroethane	ND	1.0	81	82	1.2				70 - 130	30
1,1-Dichloroethene	ND	1.0	82	81	1.2				70 - 130	30
1,1-Dichloropropene	ND	1.0	83	83	0.0				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	80	95	17.1				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	80	83	3.7				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	87	95	8.8				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	88	85	3.5				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	90	89	1.1				70 - 130	30
1,2-Dibromoethane	ND	1.0	86	91	5.6				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	90	92	2.2				70 - 130	30
1,2-Dichloroethane	ND	1.0	83	87	4.7				70 - 130	30
1,2-Dichloropropane	ND	1.0	79	83	4.9				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	86	83	3.6				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	86	86	0.0				70 - 130	30
1,3-Dichloropropane	ND	1.0	84	91	8.0				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	89	89	0.0				70 - 130	30
1,4-dioxane	ND	100	97	104	7.0				70 - 130	30
2,2-Dichloropropane	ND	1.0	90	90	0.0				70 - 130	30
2-Chlorotoluene	ND	1.0	85	83	2.4				70 - 130	30
2-Hexanone	ND	5.0	80	90	11.8				70 - 130	30
2-Isopropyltoluene	ND	1.0	94	90	4.3				70 - 130	30
4-Chlorotoluene	ND	1.0	87	84	3.5				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	79	88	10.8				70 - 130	30
Acetone	ND	5.0	71	80	11.9				70 - 130	30
Acrolein	ND	5.0	85	98	14.2				70 - 130	30
Acrylonitrile	ND	5.0	88	98	10.8				70 - 130	30
Benzene	ND	0.70	82	82	0.0				70 - 130	30
Bromobenzene	ND	1.0	87	86	1.2				70 - 130	30
Bromochloromethane	ND	1.0	74	81	9.0				70 - 130	30
Bromodichloromethane	ND	0.50	83	87	4.7				70 - 130	30
Bromoform	ND	1.0	87	92	5.6				70 - 130	30
Bromomethane	ND	1.0	97	92	5.3				70 - 130	30
Carbon Disulfide	ND	1.0	88	86	2.3				70 - 130	30
Carbon tetrachloride	ND	1.0	82	82	0.0				70 - 130	30
Chlorobenzene	ND	1.0	88	88	0.0				70 - 130	30
Chloroethane	ND	1.0	89	89	0.0				70 - 130	30
Chloroform	ND	1.0	80	85	6.1				70 - 130	30

QA/QC Data

SDG I.D.: GCA08682

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Chloromethane	ND	1.0	85	83	2.4				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	81	82	1.2				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	83	88	5.8				70 - 130	30
Dibromochloromethane	ND	0.50	89	95	6.5				70 - 130	30
Dibromomethane	ND	1.0	80	85	6.1				70 - 130	30
Dichlorodifluoromethane	ND	1.0	95	96	1.0				70 - 130	30
Ethylbenzene	ND	1.0	88	86	2.3				70 - 130	30
Hexachlorobutadiene	ND	0.40	96	89	7.6				70 - 130	30
Isopropylbenzene	ND	1.0	87	84	3.5				70 - 130	30
m&p-Xylene	ND	1.0	81	79	2.5				70 - 130	30
Methyl ethyl ketone	ND	5.0	73	84	14.0				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	87	94	7.7				70 - 130	30
Methylene chloride	ND	1.0	79	83	4.9				70 - 130	30
Naphthalene	ND	1.0	90	100	10.5				70 - 130	30
n-Butylbenzene	ND	1.0	90	86	4.5				70 - 130	30
n-Propylbenzene	ND	1.0	88	83	5.8				70 - 130	30
o-Xylene	ND	1.0	85	85	0.0				70 - 130	30
p-Isopropyltoluene	ND	1.0	89	84	5.8				70 - 130	30
sec-Butylbenzene	ND	1.0	90	85	5.7				70 - 130	30
Styrene	ND	1.0	86	87	1.2				70 - 130	30
tert-butyl alcohol	ND	10	102	104	1.9				70 - 130	30
tert-Butylbenzene	ND	1.0	86	83	3.6				70 - 130	30
Tetrachloroethene	ND	1.0	82	82	0.0				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	77	89	14.5				70 - 130	30
Toluene	ND	1.0	83	83	0.0				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	83	83	0.0				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	82	87	5.9				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	103	109	5.7				70 - 130	30
Trichloroethene	ND	1.0	83	83	0.0				70 - 130	30
Trichlorofluoromethane	ND	1.0	87	87	0.0				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	100	98	2.0				70 - 130	30
Vinyl chloride	ND	1.0	85	84	1.2				70 - 130	30
% 1,2-dichlorobenzene-d4	99	%	101	100	1.0				70 - 130	30
% Bromofluorobenzene	86	%	96	97	1.0				70 - 130	30
% Dibromofluoromethane	106	%	93	100	7.3				70 - 130	30
% Toluene-d8	92	%	99	99	0.0				70 - 130	30

Comment:

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

QA/QC Batch 424103 (ug/L), QC Sample No: CA08681 (CA08686)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	91	95	4.3				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	91	95	4.3				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	92	96	4.3				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	84	84	0.0				70 - 130	30
1,1-Dichloroethane	ND	1.0	87	89	2.3				70 - 130	30
1,1-Dichloroethene	ND	1.0	92	93	1.1				70 - 130	30
1,1-Dichloropropene	ND	1.0	93	94	1.1				70 - 130	30
1,2,3-Trichlorobenzene	0.26 J	1.0	87	89	2.3				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	82	86	4.8				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	92	98	6.3				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	92	93	1.1				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	93	101	8.2				70 - 130	30

QA/QC Data

SDG I.D.: GCA08682

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2-Dibromoethane	ND	1.0	91	93	2.2				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	91	94	3.2				70 - 130	30
1,2-Dichloroethane	ND	1.0	89	92	3.3				70 - 130	30
1,2-Dichloropropane	ND	1.0	86	87	1.2				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	90	92	2.2				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	89	90	1.1				70 - 130	30
1,3-Dichloropropane	ND	1.0	87	92	5.6				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	90	92	2.2				70 - 130	30
1,4-dioxane	ND	100	100	110	9.5				70 - 130	30
2,2-Dichloropropane	ND	1.0	95	97	2.1				70 - 130	30
2-Chlorotoluene	ND	1.0	89	88	1.1				70 - 130	30
2-Hexanone	ND	5.0	85	93	9.0				70 - 130	30
2-Isopropyltoluene	ND	1.0	100	100	0.0				70 - 130	30
4-Chlorotoluene	ND	1.0	90	91	1.1				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	85	89	4.6				70 - 130	30
Acetone	ND	5.0	81	84	3.6				70 - 130	30
Acrolein	ND	5.0	90	102	12.5				70 - 130	30
Acrylonitrile	ND	5.0	96	102	6.1				70 - 130	30
Benzene	ND	0.70	87	88	1.1				70 - 130	30
Bromobenzene	ND	1.0	90	92	2.2				70 - 130	30
Bromochloromethane	ND	1.0	79	79	0.0				70 - 130	30
Bromodichloromethane	ND	0.50	90	91	1.1				70 - 130	30
Bromoform	ND	1.0	90	91	1.1				70 - 130	30
Bromomethane	ND	1.0	115	115	0.0				70 - 130	30
Carbon Disulfide	ND	1.0	98	100	2.0				70 - 130	30
Carbon tetrachloride	ND	1.0	93	96	3.2				70 - 130	30
Chlorobenzene	ND	1.0	89	91	2.2				70 - 130	30
Chloroethane	ND	1.0	98	102	4.0				70 - 130	30
Chloroform	ND	1.0	89	87	2.3				70 - 130	30
Chloromethane	ND	1.0	98	100	2.0				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	85	86	1.2				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	88	89	1.1				70 - 130	30
Dibromochloromethane	ND	0.50	94	100	6.2				70 - 130	30
Dibromomethane	ND	1.0	85	87	2.3				70 - 130	30
Dichlorodifluoromethane	ND	1.0	119	123	3.3				70 - 130	30
Ethylbenzene	ND	1.0	89	92	3.3				70 - 130	30
Hexachlorobutadiene	ND	0.40	100	99	1.0				70 - 130	30
Isopropylbenzene	ND	1.0	91	91	0.0				70 - 130	30
m&p-Xylene	ND	1.0	84	86	2.4				70 - 130	30
Methyl ethyl ketone	ND	5.0	83	81	2.4				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	92	98	6.3				70 - 130	30
Methylene chloride	ND	1.0	82	87	5.9				70 - 130	30
Naphthalene	ND	1.0	96	99	3.1				70 - 130	30
n-Butylbenzene	ND	1.0	95	95	0.0				70 - 130	30
n-Propylbenzene	ND	1.0	92	92	0.0				70 - 130	30
o-Xylene	ND	1.0	88	90	2.2				70 - 130	30
p-Isopropyltoluene	ND	1.0	93	93	0.0				70 - 130	30
sec-Butylbenzene	ND	1.0	97	97	0.0				70 - 130	30
Styrene	ND	1.0	88	91	3.4				70 - 130	30
tert-butyl alcohol	ND	10	102	111	8.5				70 - 130	30
tert-Butylbenzene	ND	1.0	91	93	2.2				70 - 130	30
Tetrachloroethene	ND	1.0	87	88	1.1				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	81	86	6.0				70 - 130	30

QA/QC Data

SDG I.D.: GCA08682

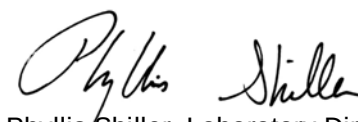
Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Toluene	ND	1.0	87	87	0.0				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	87	90	3.4				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	87	89	2.3				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	103	106	2.9				70 - 130	30
Trichloroethene	ND	1.0	86	87	1.2				70 - 130	30
Trichlorofluoromethane	ND	1.0	103	106	2.9				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	113	115	1.8				70 - 130	30
Vinyl chloride	ND	1.0	99	102	3.0				70 - 130	30
% 1,2-dichlorobenzene-d4	102	%	99	100	1.0				70 - 130	30
% Bromofluorobenzene	90	%	99	101	2.0				70 - 130	30
% Dibromofluoromethane	113	%	95	92	3.2				70 - 130	30
% Toluene-d8	93	%	100	99	1.0				70 - 130	30

Comment:

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

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
 April 09, 2018

Monday, April 09, 2018

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GCA08682 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CA08682	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	1.7	0.70	0.7	0.7	ug/L
CA08682	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	17	1.0	2	2	ug/L
CA08682	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	5.4	1.0	5	5	ug/L
CA08682	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CA08682	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CA08682	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CA08682	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	17	1.0	2	2	ug/L
CA08682	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	1.7	0.70	1	1	ug/L
CA08682	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria (SPLP)	17	1.0	2	2	ug/L
CA08682	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	1.7	0.70	1	1	ug/L
CA08682	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.0006	0.0006	ug/L
CA08682	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.50	0.04	0.04	ug/L
CA08682	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.04	0.04	ug/L
CA08682	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria (SPLP)	5.4	1.0	5	5	ug/L
CA08683	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	27	1.0	2	2	ug/L
CA08683	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	5.9	1.0	5	5	ug/L
CA08683	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CA08683	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	27	1.0	2	2	ug/L
CA08683	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CA08683	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CA08683	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.0006	0.0006	ug/L
CA08683	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.50	0.04	0.04	ug/L
CA08683	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria (SPLP)	5.9	1.0	5	5	ug/L
CA08683	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria (SPLP)	27	1.0	2	2	ug/L
CA08683	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.04	0.04	ug/L
CA08684	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	18	1.0	2	2	ug/L
CA08684	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	18	1.0	2	2	ug/L
CA08684	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	9.4	1.0	5	5	ug/L
CA08684	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CA08684	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CA08684	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CA08684	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.0006	0.0006	ug/L
CA08684	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria (SPLP)	9.4	1.0	5	5	ug/L
CA08684	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria (SPLP)	18	1.0	2	2	ug/L
CA08684	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.04	0.04	ug/L
CA08684	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.50	0.04	0.04	ug/L
CA08685	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	1.6	0.70	0.7	0.7	ug/L
CA08685	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	18	1.0	2	2	ug/L
CA08685	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	18	1.0	2	2	ug/L
CA08685	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	5.5	1.0	5	5	ug/L

Monday, April 09, 2018

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GCA08682 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CA08685	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	1.6	0.70	1	1	ug/L
CA08685	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CA08685	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CA08685	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CA08685	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.0006	0.0006	ug/L
CA08685	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.50	0.04	0.04	ug/L
CA08685	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.04	0.04	ug/L
CA08685	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria (SPLP)	5.5	1.0	5	5	ug/L
CA08685	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria (SPLP)	18	1.0	2	2	ug/L
CA08685	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	1.6	0.70	1	1	ug/L
CA08686	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CA08686	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CA08686	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CA08686	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.0006	0.0006	ug/L
CA08686	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.04	0.04	ug/L
CA08686	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.50	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 exceedances. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedance 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

April 09, 2018

SDG I.D.: GCA08682

The samples in this delivery group were received at 3.5°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



Thursday, June 21, 2018

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

Project ID: 34-11 BEACH CHANNEL DRIVE
Sample ID#s: CA72509 - CA72512

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. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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 #M-CT007
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
UT Lab Registration #CT00007
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

June 21, 2018

SDG I.D.: GCA72509

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

June 21, 2018

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

06/15/18

Time

13:27

Laboratory Data

SDG ID: GCA72509
Phoenix ID: CA72509

Project ID: 34-11 BEACH CHANNEL DRIVE
Client ID: 15MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	06/19/18	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	06/19/18	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	06/19/18	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	06/19/18	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	3.2	JS 5.0	2.5	ug/L	1	06/19/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	06/19/18	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	06/19/18	MH	SW8260C
Benzene	1.5	0.70	0.25	ug/L	1	06/19/18	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
cis-1,2-Dichloroethene	1.8	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/19/18	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	06/19/18	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	06/19/18	MH	SW8260C
Methyl t-butyl ether (MTBE)	0.40	J 1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	06/19/18	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	06/19/18	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	06/19/18	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
trans-1,2-Dichloroethene	2.4	J 5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/19/18	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	06/19/18	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Vinyl chloride	0.66	J 1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	1	06/19/18	MH	70 - 130 %
% Bromofluorobenzene	100			%	1	06/19/18	MH	70 - 130 %
% Dibromofluoromethane	102			%	1	06/19/18	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	101			%	1	06/19/18	MH	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	100		ug/l	1	06/19/18	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	98			%	1	06/19/18	MH	70 - 130 %
% Bromofluorobenzene	100			%	1	06/19/18	MH	70 - 130 %
% Toluene-d8	101			%	1	06/19/18	MH	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	06/19/18	MH	SW8260C
Acrolein	ND	5.0		ug/L	1	06/19/18	MH	SW8260C
Acrylonitrile	ND	5.0		ug/L	1	06/19/18	MH	SW8260C
Tert-butyl alcohol	ND	50		ug/L	1	06/19/18	MH	SW8260C

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 at RL/PQL
BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

June 21, 2018

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

June 21, 2018

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

06/15/18

Time

13:27

Laboratory Data

SDG ID: GCA72509
Phoenix ID: CA72510

Project ID: 34-11 BEACH CHANNEL DRIVE
Client ID: 15MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	06/19/18	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	06/19/18	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	06/19/18	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	06/19/18	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	15	S 5.0	2.5	ug/L	1	06/19/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	06/19/18	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	06/19/18	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	06/19/18	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
cis-1,2-Dichloroethene	3.7	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/19/18	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Ethylbenzene	0.35	J 1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	06/19/18	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
m&p-Xylene	1.1	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	06/19/18	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	06/19/18	MH	SW8260C
Naphthalene	1.7	1.0	1.0	ug/L	1	06/19/18	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
o-Xylene	0.79	J 1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	06/19/18	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
trans-1,2-Dichloroethene	0.26	J 5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/19/18	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	06/19/18	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Vinyl chloride	14	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	1	06/19/18	MH	70 - 130 %
% Bromofluorobenzene	99			%	1	06/19/18	MH	70 - 130 %
% Dibromofluoromethane	104			%	1	06/19/18	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	100			%	1	06/19/18	MH	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	100		ug/l	1	06/19/18	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	98			%	1	06/19/18	MH	70 - 130 %
% Bromofluorobenzene	99			%	1	06/19/18	MH	70 - 130 %
% Toluene-d8	100			%	1	06/19/18	MH	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	06/19/18	MH	SW8260C
Acrolein	ND	5.0		ug/L	1	06/19/18	MH	SW8260C
Acrylonitrile	ND	5.0		ug/L	1	06/19/18	MH	SW8260C
Tert-butyl alcohol	ND	50		ug/L	1	06/19/18	MH	SW8260C

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 at RL/PQL
BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

June 21, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

June 21, 2018

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

06/15/18

Time

13:27

Laboratory Data

SDG ID: GCA72509
Phoenix ID: CA72511

Project ID: 34-11 BEACH CHANNEL DRIVE
Client ID: 15MW3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	06/19/18	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	06/19/18	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	06/19/18	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	06/19/18	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	2.8	JS 5.0	2.5	ug/L	1	06/19/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	06/19/18	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	06/19/18	MH	SW8260C
Benzene	0.73	0.70	0.25	ug/L	1	06/19/18	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
cis-1,2-Dichloroethene	6.0	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/19/18	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	06/19/18	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	06/19/18	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	06/19/18	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	06/19/18	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	06/19/18	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
trans-1,2-Dichloroethene	0.54	J 5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/19/18	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	06/19/18	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Vinyl chloride	4.7	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	1	06/19/18	MH	70 - 130 %
% Bromofluorobenzene	100			%	1	06/19/18	MH	70 - 130 %
% Dibromofluoromethane	103			%	1	06/19/18	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	101			%	1	06/19/18	MH	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	100		ug/l	1	06/19/18	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	98			%	1	06/19/18	MH	70 - 130 %
% Bromofluorobenzene	100			%	1	06/19/18	MH	70 - 130 %
% Toluene-d8	101			%	1	06/19/18	MH	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	06/19/18	MH	SW8260C
Acrolein	ND	5.0		ug/L	1	06/19/18	MH	SW8260C
Acrylonitrile	ND	5.0		ug/L	1	06/19/18	MH	SW8260C
Tert-butyl alcohol	ND	50		ug/L	1	06/19/18	MH	SW8260C

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 at RL/PQL
BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

June 21, 2018

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

June 21, 2018

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

06/15/18

Time

06/18/18 13:27

Laboratory Data

SDG ID: GCA72509
Phoenix ID: CA72512

Project ID: 34-11 BEACH CHANNEL DRIVE
Client ID: DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	06/19/18	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	06/19/18	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	06/19/18	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	06/19/18	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	3.2	JS 5.0	2.5	ug/L	1	06/19/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	06/19/18	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	06/19/18	MH	SW8260C
Benzene	1.5	0.70	0.25	ug/L	1	06/19/18	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
cis-1,2-Dichloroethene	1.9	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/19/18	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	06/19/18	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	06/19/18	MH	SW8260C
Methyl t-butyl ether (MTBE)	0.46	J 1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	06/19/18	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	06/19/18	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	06/19/18	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
trans-1,2-Dichloroethene	2.5	J 5.0	0.25	ug/L	1	06/19/18	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/19/18	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	06/19/18	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
Vinyl chloride	0.68	J 1.0	0.25	ug/L	1	06/19/18	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	06/19/18	MH	70 - 130 %
% Bromofluorobenzene	100			%	1	06/19/18	MH	70 - 130 %
% Dibromofluoromethane	104			%	1	06/19/18	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	101			%	1	06/19/18	MH	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	100		ug/l	1	06/19/18	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	06/19/18	MH	70 - 130 %
% Bromofluorobenzene	100			%	1	06/19/18	MH	70 - 130 %
% Toluene-d8	101			%	1	06/19/18	MH	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	06/19/18	MH	SW8260C
Acrolein	ND	5.0		ug/L	1	06/19/18	MH	SW8260C
Acrylonitrile	ND	5.0		ug/L	1	06/19/18	MH	SW8260C
Tert-butyl alcohol	ND	50		ug/L	1	06/19/18	MH	SW8260C

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 at RL/PQL
BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

June 21, 2018

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

June 21, 2018

QA/QC Data

SDG I.D.: GCA72509

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 435401 (ug/L), QC Sample No: CA71870 (CA72509, CA72510, CA72511, CA72512)										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	1.0	99	92	7.3				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	92	85	7.9				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	85	78	8.6				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	83	76	8.8				70 - 130	30
1,1-Dichloroethane	ND	1.0	83	76	8.8				70 - 130	30
1,1-Dichloroethene	ND	1.0	81	75	7.7				70 - 130	30
1,1-Dichloropropene	ND	1.0	86	81	6.0				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	92	83	10.3				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	87	79	9.6				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	90	82	9.3				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	89	83	7.0				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	95	89	6.5				70 - 130	30
1,2-Dibromoethane	ND	1.0	89	80	10.7				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	86	82	4.8				70 - 130	30
1,2-Dichloroethane	ND	1.0	99	91	8.4				70 - 130	30
1,2-Dichloropropane	ND	1.0	81	75	7.7				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	89	83	7.0				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	87	81	7.1				70 - 130	30
1,3-Dichloropropane	ND	1.0	86	79	8.5				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	87	81	7.1				70 - 130	30
1,4-dioxane	ND	100	109	91	18.0				70 - 130	30
2,2-Dichloropropane	ND	1.0	93	89	4.4				70 - 130	30
2-Chlorotoluene	ND	1.0	85	79	7.3				70 - 130	30
2-Hexanone	ND	5.0	83	75	10.1				70 - 130	30
2-Isopropyltoluene	ND	1.0	95	89	6.5				70 - 130	30
4-Chlorotoluene	ND	1.0	84	78	7.4				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	87	78	10.9				70 - 130	30
Acetone	ND	5.0	85	79	7.3				70 - 130	30
Acrolein	ND	5.0	96	88	8.7				70 - 130	30
Acrylonitrile	ND	5.0	86	81	6.0				70 - 130	30
Benzene	ND	0.70	80	75	6.5				70 - 130	30
Bromobenzene	ND	1.0	89	82	8.2				70 - 130	30
Bromochloromethane	ND	1.0	83	77	7.5				70 - 130	30
Bromodichloromethane	ND	0.50	94	88	6.6				70 - 130	30
Bromoform	ND	1.0	100	92	8.3				70 - 130	30
Bromomethane	ND	1.0	100	96	4.1				70 - 130	30
Carbon Disulfide	ND	1.0	84	81	3.6				70 - 130	30
Carbon tetrachloride	ND	1.0	95	88	7.7				70 - 130	30
Chlorobenzene	ND	1.0	87	81	7.1				70 - 130	30
Chloroethane	ND	1.0	92	86	6.7				70 - 130	30
Chloroform	ND	1.0	89	82	8.2				70 - 130	30

QA/QC Data

SDG I.D.: GCA72509

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Chloromethane	ND	1.0	83	80	3.7				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	80	75	6.5				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	85	81	4.8				70 - 130	30
Dibromochloromethane	ND	0.50	102	93	9.2				70 - 130	30
Dibromomethane	ND	1.0	86	79	8.5				70 - 130	30
Dichlorodifluoromethane	ND	1.0	96	89	7.6				70 - 130	30
Ethylbenzene	ND	1.0	87	82	5.9				70 - 130	30
Hexachlorobutadiene	ND	0.40	96	93	3.2				70 - 130	30
Isopropylbenzene	ND	1.0	83	78	6.2				70 - 130	30
m&p-Xylene	ND	1.0	87	81	7.1				70 - 130	30
Methyl ethyl ketone	ND	5.0	92	78	16.5				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	92	86	6.7				70 - 130	30
Methylene chloride	ND	1.0	74	69	7.0				70 - 130	30
Naphthalene	ND	1.0	91	82	10.4				70 - 130	30
n-Butylbenzene	ND	1.0	87	82	5.9				70 - 130	30
n-Propylbenzene	ND	1.0	84	79	6.1				70 - 130	30
o-Xylene	ND	1.0	86	80	7.2				70 - 130	30
p-Isopropyltoluene	ND	1.0	89	83	7.0				70 - 130	30
sec-Butylbenzene	ND	1.0	88	82	7.1				70 - 130	30
Styrene	ND	1.0	87	81	7.1				70 - 130	30
tert-butyl alcohol	ND	10	117	99	16.7				70 - 130	30
tert-Butylbenzene	ND	1.0	88	82	7.1				70 - 130	30
Tetrachloroethene	ND	1.0	86	81	6.0				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	87	82	5.9				70 - 130	30
Toluene	ND	1.0	82	76	7.6				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	79	73	7.9				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	88	82	7.1				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	94	87	7.7				70 - 130	30
Trichloroethene	ND	1.0	86	80	7.2				70 - 130	30
Trichlorofluoromethane	ND	1.0	104	98	5.9				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	97	91	6.4				70 - 130	30
Vinyl chloride	ND	1.0	88	83	5.8				70 - 130	30
% 1,2-dichlorobenzene-d4	97	%	98	96	2.1				70 - 130	30
% Bromofluorobenzene	98	%	104	103	1.0				70 - 130	30
% Dibromofluoromethane	101	%	106	102	3.8				70 - 130	30
% Toluene-d8	100	%	101	101	0.0				70 - 130	30

Comment:

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

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

I = This parameter is outside laboratory LCS/LCSD 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

June 21, 2018

Thursday, June 21, 2018

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GCA72509 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CA72509	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	1.5	0.70	0.7	0.7	ug/L
CA72509	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	1.5	0.70	1	1	ug/L
CA72509	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CA72509	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CA72509	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CA72509	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	1.5	0.70	1	1	ug/L
CA72509	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.0006	0.0006	ug/L
CA72509	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.50	0.04	0.04	ug/L
CA72509	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.04	0.04	ug/L
CA72510	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	14	1.0	2	2	ug/L
CA72510	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CA72510	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CA72510	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	14	1.0	2	2	ug/L
CA72510	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CA72510	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.0006	0.0006	ug/L
CA72510	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria (SPLP)	14	1.0	2	2	ug/L
CA72510	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.50	0.04	0.04	ug/L
CA72510	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.04	0.04	ug/L
CA72511	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	0.73	0.70	0.7	0.7	ug/L
CA72511	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	4.7	1.0	2	2	ug/L
CA72511	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CA72511	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CA72511	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	6.0	1.0	5	5	ug/L
CA72511	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	4.7	1.0	2	2	ug/L
CA72511	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CA72511	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria (SPLP)	4.7	1.0	2	2	ug/L
CA72511	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.50	0.04	0.04	ug/L
CA72511	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.0006	0.0006	ug/L
CA72511	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria (SPLP)	6.0	1.0	5	5	ug/L
CA72511	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.04	0.04	ug/L
CA72512	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	1.5	0.70	0.7	0.7	ug/L
CA72512	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	1.5	0.70	1	1	ug/L
CA72512	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CA72512	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CA72512	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CA72512	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.50	0.04	0.04	ug/L
CA72512	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.0006	0.0006	ug/L
CA72512	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria (SPLP)	1.5	0.70	1	1	ug/L
CA72512	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.04	0.04	ug/L

Thursday, June 21, 2018

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GCA72509 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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Phoenix Laboratories does not assume responsibility for the data contained in this exceedance 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



Analysis Comments

June 21, 2018

SDG I.D.: GCA72509

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

VOA Narration

CHEM02 06/19/18-1: CA72509, CA72510, CA72511, CA72512

The following Initial Calibration compounds did not meet RSD% criteria: 1,2-Dibromo-3-chloropropane 21% (20%), Bromomethane 25% (20%)

The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Initial Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.033 (0.05), Acetone 0.054 (0.1), Acrolein 0.029 (0.05), Bromoform 0.086 (0.1), Methyl ethyl ketone 0.085 (0.1)

The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.035 (0.05), Acrolein 0.028 (0.05)

The following Continuing Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.



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NY Temperature Narration

June 21, 2018

SDG I.D.: GCA72509

The samples in this delivery group were received at 2.2°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



Monday, October 01, 2018

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

Project ID: 34-11 BEACH CHANNEL DR, QUEENS NY
Sample ID#s: CB35613 - CB35617

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. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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 #M-CT007
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
UT Lab Registration #CT00007
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

October 01, 2018

SDG I.D.: GCB35613

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

October 01, 2018

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: CP
Analyzed by: see "By" below

Date

09/19/18
09/20/18

Time

8:15
15:50

Laboratory Data

SDG ID: GCB35613
Phoenix ID: CB35613

Project ID: 34-11 BEACH CHANNEL DR, QUEENS NY
Client ID: 15MW3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	09/23/18	PS	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	09/23/18	PS	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	09/23/18	PS	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	09/23/18	PS	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	10	10	ug/L	1	09/23/18	PS	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	09/23/18	PS	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	09/23/18	PS	SW8260C
Benzene	0.84	0.70	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
cis-1,2-Dichloroethene	13	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/23/18	PS	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	09/23/18	PS	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	09/23/18	PS	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	09/23/18	PS	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	09/23/18	PS	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	09/23/18	PS	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
trans-1,2-Dichloroethene	0.84	J 5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/23/18	PS	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	09/23/18	PS	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Vinyl chloride	7.9	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	09/23/18	PS	70 - 130 %
% Bromofluorobenzene	97			%	1	09/23/18	PS	70 - 130 %
% Dibromofluoromethane	95			%	1	09/23/18	PS	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98			%	1	09/23/18	PS	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100		ug/l	1	09/23/18	MH	SW8260C
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Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	09/23/18	MH	SW8260C
Acrolein	ND	5.0		ug/L	1	09/23/18	MH	SW8260C
Acrylonitrile	ND	5.0		ug/L	1	09/23/18	MH	SW8260C
Tert-butyl alcohol	ND	50		ug/L	1	09/23/18	MH	SW8260C

1 = This parameter is not certified by the primary accrediting authority (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 at RL/PQL
BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

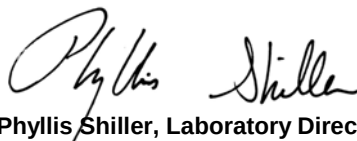
Comments:

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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



Phyllis Shiller, Laboratory Director

October 01, 2018

Reviewed and Released by: Phyllis Shiller, Laboratory 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

October 01, 2018

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: CP
Analyzed by: see "By" below

Date

09/19/18
09/20/18

Time

9:23
15:50

Laboratory Data

SDG ID: GCB35613
Phoenix ID: CB35614

Project ID: 34-11 BEACH CHANNEL DR, QUEENS NY
Client ID: 15MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	09/23/18	PS	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	09/23/18	PS	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	09/23/18	PS	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	09/23/18	PS	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	10	10	ug/L	1	09/23/18	PS	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	09/23/18	PS	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	09/23/18	PS	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
cis-1,2-Dichloroethene	0.87	J 1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/23/18	PS	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Ethylbenzene	0.67	J 1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	09/23/18	PS	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
m&p-Xylene	2.7	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	09/23/18	PS	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	09/23/18	PS	SW8260C
Naphthalene	1.2	1.0	1.0	ug/L	1	09/23/18	PS	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
o-Xylene	1.7	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	09/23/18	PS	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/23/18	PS	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	09/23/18	PS	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Vinyl chloride	1.6	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	09/23/18	PS	70 - 130 %
% Bromofluorobenzene	95			%	1	09/23/18	PS	70 - 130 %
% Dibromofluoromethane	86			%	1	09/23/18	PS	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98			%	1	09/23/18	PS	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100		ug/l	1	09/23/18	MH	SW8260C
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Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	09/23/18	MH	SW8260C
Acrolein	ND	5.0		ug/L	1	09/23/18	MH	SW8260C
Acrylonitrile	ND	5.0		ug/L	1	09/23/18	MH	SW8260C
Tert-butyl alcohol	ND	50		ug/L	1	09/23/18	MH	SW8260C

1 = This parameter is not certified by the primary accrediting authority (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 at RL/PQL
BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

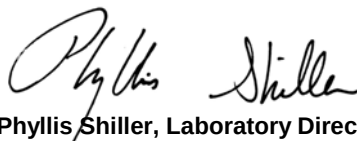
Comments:

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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Phyllis Shiller, Laboratory Director

October 01, 2018

Reviewed and Released by: Phyllis Shiller, Laboratory 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

October 01, 2018

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: CP
Analyzed by: see "By" below

Date

09/19/18 10:30
09/20/18 15:50

Time

Laboratory Data

SDG ID: GCB35613
Phoenix ID: CB35615

Project ID: 34-11 BEACH CHANNEL DR, QUEENS NY
Client ID: 15MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	09/23/18	PS	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	09/23/18	PS	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	09/23/18	PS	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	09/23/18	PS	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	10	10	ug/L	1	09/23/18	PS	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	09/23/18	PS	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	09/23/18	PS	SW8260C
Benzene	1.4	0.70	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Chloromethane	ND	5.0	1.0	ug/L	1	09/23/18	PS	SW8260C
cis-1,2-Dichloroethene	1.4	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/23/18	PS	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	09/23/18	PS	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	09/23/18	PS	SW8260C
Methyl t-butyl ether (MTBE)	0.43	J 1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	09/23/18	PS	SW8260C
Naphthalene	1.1	1.0	1.0	ug/L	1	09/23/18	PS	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	09/23/18	PS	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
trans-1,2-Dichloroethene	2.1	J 5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/23/18	PS	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	09/23/18	PS	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Vinyl chloride	0.34	J 1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96			%	1	09/23/18	PS	70 - 130 %
% Bromofluorobenzene	97			%	1	09/23/18	PS	70 - 130 %
% Dibromofluoromethane	93			%	1	09/23/18	PS	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98			%	1	09/23/18	PS	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100		ug/l	1	09/23/18	MH	SW8260C
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Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	09/23/18	MH	SW8260C
Acrolein	ND	5.0		ug/L	1	09/23/18	MH	SW8260C
Acrylonitrile	ND	5.0		ug/L	1	09/23/18	MH	SW8260C
Tert-butyl alcohol	ND	50		ug/L	1	09/23/18	MH	SW8260C

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

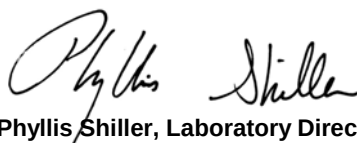
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:**Volatile Comment:**

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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Phyllis Shiller, Laboratory Director

October 01, 2018

Reviewed and Released by: Phyllis Shiller, Laboratory 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

October 01, 2018

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: CP
Analyzed by: see "By" below

Date

09/19/18

Time

15:50

Laboratory Data

SDG ID: GCB35613
Phoenix ID: CB35616

Project ID: 34-11 BEACH CHANNEL DR, QUEENS NY
Client ID: DUPLICATES

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	09/23/18	PS	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	09/23/18	PS	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	09/23/18	PS	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	09/23/18	PS	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	10	10	ug/L	1	09/23/18	PS	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	09/23/18	PS	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	09/23/18	PS	SW8260C
Benzene	0.90	0.70	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
cis-1,2-Dichloroethene	6.1	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/23/18	PS	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	09/23/18	PS	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	09/23/18	PS	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	09/23/18	PS	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	09/23/18	PS	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	09/23/18	PS	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
trans-1,2-Dichloroethene	0.76	J 5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/23/18	PS	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	09/23/18	PS	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Vinyl chloride	6.6	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	92			%	1	09/23/18	PS	70 - 130 %
% Bromofluorobenzene	91			%	1	09/23/18	PS	70 - 130 %
% Dibromofluoromethane	75			%	1	09/23/18	PS	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	96			%	1	09/23/18	PS	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100		ug/l	1	09/23/18	MH	SW8260C
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Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	09/23/18	MH	SW8260C
Acrolein	ND	5.0		ug/L	1	09/23/18	MH	SW8260C
Acrylonitrile	ND	5.0		ug/L	1	09/23/18	MH	SW8260C
Tert-butyl alcohol	ND	50		ug/L	1	09/23/18	MH	SW8260C

1 = This parameter is not certified by the primary accrediting authority (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 at RL/PQL
BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

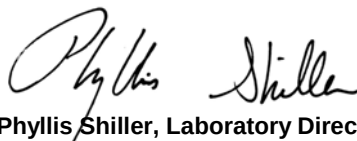
Comments:

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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Phyllis Shiller, Laboratory Director

October 01, 2018

Reviewed and Released by: Phyllis Shiller, Laboratory 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

October 01, 2018

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: CP
Analyzed by: see "By" below

Date

09/19/18

Time

15:50

Laboratory Data

SDG ID: GCB35613
Phoenix ID: CB35617

Project ID: 34-11 BEACH CHANNEL DR, QUEENS NY
Client ID: TRIP BLANKS

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/L	1	09/23/18	PS	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	09/23/18	PS	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	09/23/18	PS	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	09/23/18	PS	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	09/23/18	PS	SW8260C

Client ID: TRIP BLANKS

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	10	10	ug/L	1	09/23/18	PS	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	09/23/18	PS	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	09/23/18	PS	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/23/18	PS	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	09/23/18	PS	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	09/23/18	PS	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	09/23/18	PS	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	09/23/18	PS	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	09/23/18	PS	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	09/23/18	PS	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/23/18	PS	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	09/23/18	PS	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	09/23/18	PS	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	09/23/18	PS	70 - 130 %
% Bromofluorobenzene	99			%	1	09/23/18	PS	70 - 130 %
% Dibromofluoromethane	96			%	1	09/23/18	PS	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99			%	1	09/23/18	PS	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100		ug/l	1	09/23/18	MH	SW8260C
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Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	09/23/18	MH	SW8260C
Acrolein	ND	5.0		ug/L	1	09/23/18	MH	SW8260C
Acrylonitrile	ND	5.0		ug/L	1	09/23/18	MH	SW8260C
Tert-butyl alcohol	ND	50		ug/L	1	09/23/18	MH	SW8260C

1 = This parameter is not certified by the primary accrediting authority (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 at RL/PQL
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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Phyllis Shiller, Laboratory Director

October 01, 2018

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

October 01, 2018

QA/QC Data

SDG I.D.: GCB35613

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 448861 (ug/L), QC Sample No: CB35617 (CB35613, CB35614, CB35615, CB35616, CB35617)										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	1.0	104	103	1.0				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	102	96	6.1				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	104	103	1.0				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	97	98	1.0				70 - 130	30
1,1-Dichloroethane	ND	1.0	101	96	5.1				70 - 130	30
1,1-Dichloroethene	ND	1.0	101	94	7.2				70 - 130	30
1,1-Dichloropropene	ND	1.0	102	96	6.1				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	102	120	16.2				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	101	101	0.0				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	101	110	8.5				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	101	96	5.1				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	105	121	14.2				70 - 130	30
1,2-Dibromoethane	ND	1.0	100	99	1.0				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	99	98	1.0				70 - 130	30
1,2-Dichloroethane	ND	1.0	101	99	2.0				70 - 130	30
1,2-Dichloropropane	ND	1.0	99	97	2.0				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	100	95	5.1				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	101	97	4.0				70 - 130	30
1,3-Dichloropropane	ND	1.0	98	97	1.0				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	100	98	2.0				70 - 130	30
1,4-dioxane	ND	100	89	100	11.6				70 - 130	30
2,2-Dichloropropane	ND	1.0	100	91	9.4				70 - 130	30
2-Chlorotoluene	ND	1.0	101	95	6.1				70 - 130	30
2-Hexanone	ND	5.0	94	101	7.2				70 - 130	30
2-Isopropyltoluene	ND	1.0	105	99	5.9				70 - 130	30
4-Chlorotoluene	ND	1.0	101	95	6.1				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	97	99	2.0				70 - 130	30
Acetone	ND	5.0	91	109	18.0				70 - 130	30
Acrolein	ND	5.0	88	88	0.0				70 - 130	30
Acrylonitrile	ND	5.0	101	105	3.9				70 - 130	30
Benzene	ND	0.70	100	97	3.0				70 - 130	30
Bromobenzene	ND	1.0	101	97	4.0				70 - 130	30
Bromochloromethane	ND	1.0	100	99	1.0				70 - 130	30
Bromodichloromethane	ND	0.50	99	99	0.0				70 - 130	30
Bromoform	ND	1.0	110	111	0.9				70 - 130	30
Bromomethane	ND	1.0	113	106	6.4				70 - 130	30
Carbon Disulfide	ND	1.0	104	97	7.0				70 - 130	30
Carbon tetrachloride	ND	1.0	103	97	6.0				70 - 130	30
Chlorobenzene	ND	1.0	100	97	3.0				70 - 130	30
Chloroethane	ND	1.0	104	97	7.0				70 - 130	30
Chloroform	ND	1.0	99	95	4.1				70 - 130	30

QA/QC Data

SDG I.D.: GCB35613

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Chloromethane	ND	1.0	96	91	5.3				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	103	98	5.0				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	98	96	2.1				70 - 130	30
Dibromochloromethane	ND	0.50	109	110	0.9				70 - 130	30
Dibromomethane	ND	1.0	102	101	1.0				70 - 130	30
Dichlorodifluoromethane	ND	1.0	102	95	7.1				70 - 130	30
Ethylbenzene	ND	1.0	103	96	7.0				70 - 130	30
Hexachlorobutadiene	ND	0.40	103	102	1.0				70 - 130	30
Isopropylbenzene	ND	1.0	102	95	7.1				70 - 130	30
m&p-Xylene	ND	1.0	102	96	6.1				70 - 130	30
Methyl ethyl ketone	ND	5.0	90	96	6.5				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	105	105	0.0				70 - 130	30
Methylene chloride	ND	1.0	98	97	1.0				70 - 130	30
Naphthalene	ND	1.0	102	122	17.9				70 - 130	30
n-Butylbenzene	ND	1.0	102	96	6.1				70 - 130	30
n-Propylbenzene	ND	1.0	103	96	7.0				70 - 130	30
o-Xylene	ND	1.0	102	99	3.0				70 - 130	30
p-Isopropyltoluene	ND	1.0	102	96	6.1				70 - 130	30
sec-Butylbenzene	ND	1.0	108	99	8.7				70 - 130	30
Styrene	ND	1.0	102	98	4.0				70 - 130	30
tert-butyl alcohol	ND	10	100	100	0.0				70 - 130	30
tert-Butylbenzene	ND	1.0	103	96	7.0				70 - 130	30
Tetrachloroethene	ND	1.0	103	97	6.0				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	98	97	1.0				70 - 130	30
Toluene	ND	1.0	100	96	4.1				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	104	95	9.0				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	96	97	1.0				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	102	103	1.0				70 - 130	30
Trichloroethene	ND	1.0	101	95	6.1				70 - 130	30
Trichlorofluoromethane	ND	1.0	104	97	7.0				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	102	96	6.1				70 - 130	30
Vinyl chloride	ND	1.0	108	100	7.7				70 - 130	30
% 1,2-dichlorobenzene-d4	99	%	99	99	0.0				70 - 130	30
% Bromofluorobenzene	100	%	101	100	1.0				70 - 130	30
% Dibromofluoromethane	102	%	98	101	3.0				70 - 130	30
% Toluene-d8	98	%	100	100	0.0				70 - 130	30

Comment:

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

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

October 01, 2018

Monday, October 01, 2018

Criteria: NY: 375GWP, GW

State: NY

Sample Criteria Exceedances Report

GCB35613 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CB35613	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	0.84	0.70	0.7	0.7	ug/L
CB35613	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	7.9	1.0	2	2	ug/L
CB35613	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CB35613	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CB35613	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	13	1.0	5	5	ug/L
CB35613	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	7.9	1.0	2	2	ug/L
CB35613	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CB35614	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CB35614	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CB35614	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CB35615	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	1.4	0.70	0.7	0.7	ug/L
CB35615	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CB35615	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CB35615	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	1.4	0.70	1	1	ug/L
CB35615	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CB35616	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	0.90	0.70	0.7	0.7	ug/L
CB35616	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	6.6	1.0	2	2	ug/L
CB35616	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CB35616	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CB35616	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CB35616	\$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	6.1	1.0	5	5	ug/L
CB35616	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	6.6	1.0	2	2	ug/L
CB35617	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CB35617	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CB35617	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance 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



Analysis Comments

October 01, 2018

SDG I.D.: GCB35613

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

VOA Narration

CHEM02 09/23/18-1: CB35613, CB35614, CB35615, CB35616, CB35617

The following Initial Calibration compounds did not meet RSD% criteria: 1,2-Dibromo-3-chloropropane 23% (20%)

The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Initial Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.025 (0.05), 2-Hexanone 0.052 (0.1), 4-Methyl-2-pentanone 0.061 (0.1), Acetone 0.029 (0.1), Acrolein 0.019 (0.05), Acrylonitrile 0.038 (0.05), Bromoform 0.069 (0.1), Methyl ethyl ketone 0.041 (0.1), Tetrahydrofuran (THF) 0.027 (0.05)

The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet recommended response factors: 1,1,2,2-Tetrachloroethane 0.262 (0.3), 1,2-Dibromo-3-chloropropane 0.025 (0.05), Acrolein 0.016 (0.05), Acrylonitrile 0.037 (0.05), Bromoform 0.069 (0.1), Tetrahydrofuran (THF) 0.025 (0.05)

The following Continuing Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.



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NY Temperature Narration

October 01, 2018

SDG I.D.: GCB35613

The samples in this delivery group were received at 1.6°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



Monday, January 21, 2019

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

Project ID: 34-11 BEACH CHANNEL DRIVE, QUEENS
SDG ID: GCC12366
Sample ID#s: CC12366 - CC12369

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. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. 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 #M-CT007
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
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
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**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: Environmental Business Consultants
Project: 34-11 BEACH CHANNEL DRIVE, QUEENS
Laboratory Project: GCC12366



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

January 21, 2019

SDG I.D.: GCC12366

Environmental Business Consultants 34-11 BEACH CHANNEL DRIVE, QUEENS

Methodology Summary

Volatile Organic Compounds:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed.Update III, Method 8260C and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 624) as printed in 40CFR part 136.

Sample Id Cross Reference

Client Id	Lab Id	Matrix
15MW1	CC12366	GROUND WATER
15MW2	CC12367	GROUND WATER
15MW3	CC12368	GROUND WATER
TRIP BLANKS	CC12369	GROUND WATER



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

January 21, 2019

SDG I.D.: GCC12366

Environmental Business Consultants 34-11 BEACH CHANNEL DRIVE, QUEENS

Laboratory Chronicle

The samples in this delivery group were received at 3.8°C.

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
CC12366	1,4-dioxane	12/10/18	12/13/18	12/13/18	MH	Y
CC12366	Volatiles	12/10/18	12/13/18	12/13/18	MH	Y
CC12366	Volatiles	12/10/18	12/13/18	12/13/18	MH	Y
CC12367	1,4-dioxane	12/10/18	12/13/18	12/13/18	MH	Y
CC12367	Volatiles	12/10/18	12/13/18	12/13/18	MH	Y
CC12367	Volatiles	12/10/18	12/13/18	12/13/18	MH	Y
CC12368	1,4-dioxane	12/10/18	12/13/18	12/13/18	MH	Y
CC12368	Volatiles	12/10/18	12/13/18	12/13/18	MH	Y
CC12368	Volatiles	12/10/18	12/13/18	12/13/18	MH	Y
CC12369	1,4-dioxane	12/10/18	12/11/18	12/11/18	MH	Y
CC12369	Volatiles	12/10/18	12/11/18	12/11/18	MH	Y
CC12369	Volatiles	12/10/18	12/11/18	12/11/18	MH	Y



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



Sample Id Cross Reference

January 21, 2019

SDG I.D.: GCC12366

Project ID: 34-11 BEACH CHANNEL DRIVE, QUEENS

Client Id	Lab Id	Matrix
15MW1	CC12366	GROUND WATER
15MW2	CC12367	GROUND WATER
15MW3	CC12368	GROUND WATER
TRIP BLANKS	CC12369	GROUND WATER



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 21, 2019

SDG I.D.: GCC12366

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.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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 21, 2019

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: TC
Received by: CP
Analyzed by: see "By" below

Date

12/10/18

Time

12/11/18 16:40

Laboratory Data

SDG ID: GCC12366
Phoenix ID: CC12366

Project ID: 34-11 BEACH CHANNEL DRIVE, QUEENS
Client ID: 15MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	12/13/18	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	12/13/18	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	12/13/18	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/13/18	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	12/13/18	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/13/18	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	4.6	JS 5.0	2.5	ug/L	1	12/13/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	12/13/18	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	12/13/18	MH	SW8260C
Benzene	1.4	0.70	0.25	ug/L	1	12/13/18	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
cis-1,2-Dichloroethene	1.1	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/13/18	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	12/13/18	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	12/13/18	MH	SW8260C
Methyl t-butyl ether (MTBE)	0.43	J 1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	12/13/18	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	12/13/18	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	12/13/18	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
trans-1,2-Dichloroethene	1.6	J 5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/13/18	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	12/13/18	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	12/13/18	MH	70 - 130 %
% Bromofluorobenzene	97			%	1	12/13/18	MH	70 - 130 %
% Dibromofluoromethane	99			%	1	12/13/18	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99			%	1	12/13/18	MH	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	100	50	ug/l	1	12/13/18	MH	SW8260C
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	12/13/18	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	12/13/18	MH	SW8260C

1 = This parameter is not certified by the primary accrediting authority (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 L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

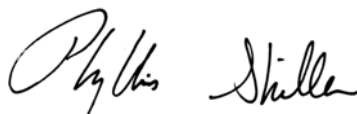
Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

S - Laboratory solvent, contamination is possible.

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

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



Phyllis Shiller, Laboratory Director

January 21, 2019

Reviewed and Released by: Phyllis Shiller, Laboratory 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 21, 2019

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: TC
Received by: CP
Analyzed by: see "By" below

Date

12/10/18

Time

12/11/18 16:40

Laboratory Data

SDG ID: GCC12366
Phoenix ID: CC12367

Project ID: 34-11 BEACH CHANNEL DRIVE, QUEENS
Client ID: 15MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	12/13/18	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	12/13/18	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	12/13/18	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/13/18	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	12/13/18	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/13/18	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	8.9	S 5.0	2.5	ug/L	1	12/13/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	12/13/18	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	12/13/18	MH	SW8260C
Benzene	0.35	J 0.70	0.25	ug/L	1	12/13/18	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
cis-1,2-Dichloroethene	2.5	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/13/18	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Ethylbenzene	0.36	J 1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	12/13/18	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
m&p-Xylene	1.4	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	12/13/18	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	12/13/18	MH	SW8260C
Naphthalene	1.9	1.0	1.0	ug/L	1	12/13/18	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
o-Xylene	0.94	J 1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	12/13/18	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
trans-1,2-Dichloroethene	0.31	J 5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/13/18	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	12/13/18	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Vinyl chloride	6.0	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	12/13/18	MH	70 - 130 %
% Bromofluorobenzene	97			%	1	12/13/18	MH	70 - 130 %
% Dibromofluoromethane	99			%	1	12/13/18	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98			%	1	12/13/18	MH	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100	50	ug/l	1	12/13/18	MH	SW8260C
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Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	12/13/18	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	12/13/18	MH	SW8260C

1 = This parameter is not certified by the primary accrediting authority (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 L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

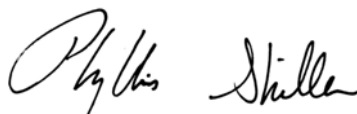
Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

January 21, 2019

Reviewed and Released by: Phyllis Shiller, Laboratory 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 21, 2019

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: TC
Received by: CP
Analyzed by: see "By" below

Date

12/10/18

Time

12/11/18 16:40

Laboratory Data

SDG ID: GCC12366
Phoenix ID: CC12368

Project ID: 34-11 BEACH CHANNEL DRIVE, QUEENS
Client ID: 15MW3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	12/13/18	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	12/13/18	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	12/13/18	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/13/18	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	12/13/18	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/13/18	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	3.4	JS 5.0	2.5	ug/L	1	12/13/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	12/13/18	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	12/13/18	MH	SW8260C
Benzene	0.58	J 0.70	0.25	ug/L	1	12/13/18	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
cis-1,2-Dichloroethene	3.3	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/13/18	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	12/13/18	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	12/13/18	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	12/13/18	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	12/13/18	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	12/13/18	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
trans-1,2-Dichloroethene	0.60	J 5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/13/18	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	12/13/18	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Vinyl chloride	2.0	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	12/13/18	MH	70 - 130 %
% Bromofluorobenzene	95			%	1	12/13/18	MH	70 - 130 %
% Dibromofluoromethane	97			%	1	12/13/18	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99			%	1	12/13/18	MH	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100	50	ug/l	1	12/13/18	MH	SW8260C
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Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	12/13/18	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	12/13/18	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	12/13/18	MH	SW8260C

1 = This parameter is not certified by the primary accrediting authority (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 L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

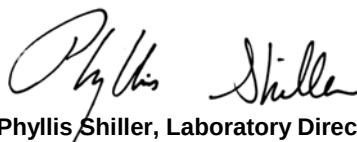
Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

January 21, 2019

Reviewed and Released by: Phyllis Shiller, Laboratory 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 21, 2019

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: TC
Received by: CP
Analyzed by: see "By" below

Date

12/10/18

Time

12/11/18 16:40

Laboratory Data

SDG ID: GCC12366
Phoenix ID: CC12369

Project ID: 34-11 BEACH CHANNEL DRIVE, QUEENS
Client ID: TRIP BLANKS

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/11/18	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/11/18	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	12/11/18	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	12/11/18	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	12/11/18	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/11/18	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	12/11/18	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/11/18	MH	SW8260C

Client ID: TRIP BLANKS

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	12/11/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	12/11/18	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	12/11/18	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	12/11/18	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	12/11/18	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	12/11/18	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	12/11/18	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	12/11/18	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	12/11/18	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	12/11/18	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/11/18	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	12/11/18	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	12/11/18	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	12/11/18	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	12/11/18	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	12/11/18	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	12/11/18	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/11/18	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	12/11/18	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	12/11/18	MH	70 - 130 %
% Bromofluorobenzene	93			%	1	12/11/18	MH	70 - 130 %
% Dibromofluoromethane	102			%	1	12/11/18	MH	70 - 130 %

1

Client ID: TRIP BLANKS

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	102			%	1	12/11/18	MH	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	100	50	ug/l	1	12/11/18	MH	SW8260C
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/11/18	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	12/11/18	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	12/11/18	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	12/11/18	MH	SW8260C

1 = This parameter is not certified by the primary accrediting authority (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 L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

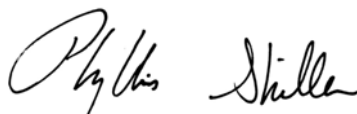
TRIP BLANK INCLUDED.

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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



Phyllis Shiller, Laboratory Director

January 21, 2019

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

January 21, 2019

QA/QC Data

SDG I.D.: GCC12366

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 459565 (ug/L), QC Sample No: CC11793 (CC12369)										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	1.0	83	91	9.2				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	83	90	8.1				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	90	104	14.4				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	81	92	12.7				70 - 130	30
1,1-Dichloroethane	ND	1.0	83	91	9.2				70 - 130	30
1,1-Dichloroethene	ND	1.0	88	96	8.7				70 - 130	30
1,1-Dichloropropene	ND	1.0	85	92	7.9				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	93	106	13.1				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	90	101	11.5				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	90	99	9.5				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	88	95	7.7				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	84	102	19.4				70 - 130	30
1,2-Dibromoethane	ND	1.0	86	98	13.0				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	91	100	9.4				70 - 130	30
1,2-Dichloroethane	ND	1.0	80	91	12.9				70 - 130	30
1,2-Dichloropropane	ND	1.0	79	90	13.0				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	90	95	5.4				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	92	98	6.3				70 - 130	30
1,3-Dichloropropane	ND	1.0	87	97	10.9				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	90	98	8.5				70 - 130	30
1,4-dioxane	ND	100	98	104	5.9				70 - 130	30
2,2-Dichloropropane	ND	1.0	76	84	10.0				70 - 130	30
2-Chlorotoluene	ND	1.0	92	99	7.3				70 - 130	30
2-Hexanone	ND	5.0	64	74	14.5				70 - 130	30
2-Isopropyltoluene	ND	1.0	93	99	6.3				70 - 130	30
4-Chlorotoluene	ND	1.0	92	97	5.3				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	75	87	14.8				70 - 130	30
Acetone	ND	5.0	75	89	17.1				70 - 130	30
Acrolein	ND	5.0	92	105	13.2				70 - 130	30
Acrylonitrile	ND	5.0	75	85	12.5				70 - 130	30
Benzene	ND	0.70	82	91	10.4				70 - 130	30
Bromobenzene	ND	1.0	93	100	7.3				70 - 130	30
Bromochloromethane	ND	1.0	87	100	13.9				70 - 130	30
Bromodichloromethane	ND	0.50	76	85	11.2				70 - 130	30
Bromoform	ND	1.0	74	85	13.8				70 - 130	30
Bromomethane	ND	1.0	75	80	6.5				70 - 130	30
Carbon Disulfide	ND	1.0	85	93	9.0				70 - 130	30
Carbon tetrachloride	ND	1.0	80	86	7.2				70 - 130	30
Chlorobenzene	ND	1.0	89	97	8.6				70 - 130	30
Chloroethane	ND	1.0	84	91	8.0				70 - 130	30
Chloroform	ND	1.0	81	88	8.3				70 - 130	30

QA/QC Data

SDG I.D.: GCC12366

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Chloromethane	ND	1.0	76	85	11.2				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	84	96	13.3				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	79	87	9.6				70 - 130	30
Dibromochloromethane	ND	0.50	83	92	10.3				70 - 130	30
Dibromomethane	ND	1.0	81	93	13.8				70 - 130	30
Dichlorodifluoromethane	ND	1.0	96	105	9.0				70 - 130	30
Ethylbenzene	ND	1.0	89	96	7.6				70 - 130	30
Hexachlorobutadiene	ND	0.40	88	90	2.2				70 - 130	30
Isopropylbenzene	ND	1.0	95	98	3.1				70 - 130	30
m&p-Xylene	ND	1.0	89	96	7.6				70 - 130	30
Methyl ethyl ketone	ND	5.0	82	95	14.7				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	82	95	14.7				70 - 130	30
Methylene chloride	ND	1.0	81	93	13.8				70 - 130	30
Naphthalene	ND	1.0	100	114	13.1				70 - 130	30
n-Butylbenzene	ND	1.0	89	92	3.3				70 - 130	30
n-Propylbenzene	ND	1.0	94	99	5.2				70 - 130	30
o-Xylene	ND	1.0	90	97	7.5				70 - 130	30
p-Isopropyltoluene	ND	1.0	90	95	5.4				70 - 130	30
sec-Butylbenzene	ND	1.0	97	101	4.0				70 - 130	30
Styrene	ND	1.0	87	95	8.8				70 - 130	30
tert-butyl alcohol	ND	10	94	101	7.2				70 - 130	30
tert-Butylbenzene	ND	1.0	92	97	5.3				70 - 130	30
Tetrachloroethene	ND	1.0	84	91	8.0				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	86	95	9.9				70 - 130	30
Toluene	ND	1.0	82	91	10.4				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	86	97	12.0				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	74	83	11.5				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	81	91	11.6				70 - 130	30
Trichloroethene	ND	1.0	85	95	11.1				70 - 130	30
Trichlorofluoromethane	ND	1.0	87	94	7.7				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	89	94	5.5				70 - 130	30
Vinyl chloride	ND	1.0	89	96	7.6				70 - 130	30
% 1,2-dichlorobenzene-d4	99	%	100	102	2.0				70 - 130	30
% Bromofluorobenzene	94	%	97	97	0.0				70 - 130	30
% Dibromofluoromethane	101	%	104	105	1.0				70 - 130	30
% Toluene-d8	102	%	103	102	1.0				70 - 130	30

Comment:

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

QA/QC Batch 459984 (ug/L), QC Sample No: CC12930 (CC12366, CC12367, CC12368)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	97	103	6.0				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	91	96	5.3				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	96	107	10.8				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	94	101	7.2				70 - 130	30
1,1-Dichloroethane	ND	1.0	92	98	6.3				70 - 130	30
1,1-Dichloroethene	ND	1.0	94	102	8.2				70 - 130	30
1,1-Dichloropropene	ND	1.0	92	100	8.3				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	97	107	9.8				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	91	99	8.4				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	94	102	8.2				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	91	97	6.4				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	98	110	11.5				70 - 130	30

QA/QC Data

SDG I.D.: GCC12366

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2-Dibromoethane	ND	1.0	95	102	7.1				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	94	100	6.2				70 - 130	30
1,2-Dichloroethane	ND	1.0	93	101	8.2				70 - 130	30
1,2-Dichloropropane	ND	1.0	92	99	7.3				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	91	97	6.4				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	93	98	5.2				70 - 130	30
1,3-Dichloropropane	ND	1.0	96	103	7.0				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	91	98	7.4				70 - 130	30
1,4-dioxane	ND	100	100	103	3.0				70 - 130	30
2,2-Dichloropropane	ND	1.0	94	104	10.1				70 - 130	30
2-Chlorotoluene	ND	1.0	91	98	7.4				70 - 130	30
2-Hexanone	ND	5.0	78	88	12.0				70 - 130	30
2-Isopropyltoluene	ND	1.0	94	99	5.2				70 - 130	30
4-Chlorotoluene	ND	1.0	90	95	5.4				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	82	90	9.3				70 - 130	30
Acetone	ND	5.0	74	78	5.3				70 - 130	30
Acrolein	ND	5.0	100	111	10.4				70 - 130	30
Acrylonitrile	ND	5.0	97	109	11.7				70 - 130	30
Benzene	ND	0.70	90	96	6.5				70 - 130	30
Bromobenzene	ND	1.0	92	99	7.3				70 - 130	30
Bromochloromethane	ND	1.0	93	98	5.2				70 - 130	30
Bromodichloromethane	ND	0.50	92	102	10.3				70 - 130	30
Bromoform	ND	1.0	100	106	5.8				70 - 130	30
Bromomethane	ND	1.0	108	113	4.5				70 - 130	30
Carbon Disulfide	ND	1.0	97	103	6.0				70 - 130	30
Carbon tetrachloride	ND	1.0	93	100	7.3				70 - 130	30
Chlorobenzene	ND	1.0	92	98	6.3				70 - 130	30
Chloroethane	ND	1.0	102	106	3.8				70 - 130	30
Chloroform	ND	1.0	87	93	6.7				70 - 130	30
Chloromethane	ND	1.0	91	99	8.4				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	91	98	7.4				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	95	101	6.1				70 - 130	30
Dibromochloromethane	ND	0.50	101	110	8.5				70 - 130	30
Dibromomethane	ND	1.0	90	101	11.5				70 - 130	30
Dichlorodifluoromethane	ND	1.0	120	128	6.5				70 - 130	30
Ethylbenzene	ND	1.0	93	98	5.2				70 - 130	30
Hexachlorobutadiene	ND	0.40	98	101	3.0				70 - 130	30
Isopropylbenzene	ND	1.0	92	98	6.3				70 - 130	30
m&p-Xylene	ND	1.0	92	98	6.3				70 - 130	30
Methyl ethyl ketone	ND	5.0	75	87	14.8				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	96	103	7.0				70 - 130	30
Methylene chloride	ND	1.0	91	99	8.4				70 - 130	30
Naphthalene	ND	1.0	100	108	7.7				70 - 130	30
n-Butylbenzene	ND	1.0	96	99	3.1				70 - 130	30
n-Propylbenzene	ND	1.0	93	98	5.2				70 - 130	30
o-Xylene	ND	1.0	93	99	6.3				70 - 130	30
p-Isopropyltoluene	ND	1.0	93	98	5.2				70 - 130	30
sec-Butylbenzene	ND	1.0	96	101	5.1				70 - 130	30
Styrene	ND	1.0	93	100	7.3				70 - 130	30
tert-butyl alcohol	ND	10	98	105	6.9				70 - 130	30
tert-Butylbenzene	ND	1.0	91	96	5.3				70 - 130	30
Tetrachloroethene	ND	1.0	90	100	10.5				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	89	100	11.6				70 - 130	30

QA/QC Data

SDG I.D.: GCC12366

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Toluene	ND	1.0	91	98	7.4				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	93	101	8.2				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	93	99	6.3				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	104	115	10.0				70 - 130	30
Trichloroethene	ND	1.0	91	100	9.4				70 - 130	30
Trichlorofluoromethane	ND	1.0	99	106	6.8				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	98	103	5.0				70 - 130	30
Vinyl chloride	ND	1.0	105	112	6.5				70 - 130	30
% 1,2-dichlorobenzene-d4	98	%	99	100	1.0				70 - 130	30
% Bromofluorobenzene	95	%	102	101	1.0				70 - 130	30
% Dibromofluoromethane	97	%	98	100	2.0				70 - 130	30
% Toluene-d8	99	%	100	100	0.0				70 - 130	30

Comment:

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

I = This parameter is outside laboratory LCS/LCSD 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 21, 2019

Monday, January 21, 2019

Criteria: NY: 375GWP, GW

State: NY

Sample Criteria Exceedances Report

GCC12366 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CC12366	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	1.4	0.70	0.7	0.7	ug/L
CC12366	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CC12366	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CC12366	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	1.4	0.70	1	1	ug/L
CC12366	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CC12367	\$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	6.0	1.0	2	2	ug/L
CC12367	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CC12367	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CC12367	\$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	6.0	1.0	2	2	ug/L
CC12367	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CC12368	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CC12368	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CC12368	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CC12369	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CC12369	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CC12369	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance 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.



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NY Temperature Narration

January 21, 2019

SDG I.D.: GCC12366

The samples in this delivery group were received at 3.8°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

APPENDIX D **GROUNDWATER PURGE LOGS**



34-11 Beach Channel Drive

GROUNDWATER PURGE / SAMPLE LOGS



ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 15MW1

Well Depth (from TOC): 30

Static Water Level (from TOC): 5.05

Height of Water in Well: 24.95

Gallons of Water per Well Volume: $\times 3 = 2.5$

Flow Rate: 400ml/min.

Date: 8-5-16

Equipment: Peristaltic Pump, Horiba

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
11:25	400 ml/min	0	6.45	8.15	18.07	9.65	-25	291	5.16	clear
11:28		0.4	6.21	8.27	17.54	3.68	-33	70.5	5.22	clear
11:33		1	6.13	8.35	17.20	2.50	-40	25.7	5.27	clear
11:38		1.6	6.01	8.38	17.09	1.73	-46	8.2	5.30	clear
11:43		2.2	6.00	8.43	16.79	1.73	-49	0.4	5.31	clear
11:48		2.8	5.99	8.41	16.83	1.66	-51	0.0	5.30	clear
11:53	↓	3.4	5.99	8.40	16.82	1.65	-51	0.0	5.29	clear
										sample collected

Note 400 ml = 0.11 gallons

34-11 Beach Channel Drive

GROUNDWATER PURGE / SAMPLE LOGS



ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 15MW2

Date: 8-5-16

Well Depth (from TOC): 30

Equipment: Peristaltic Pump, Hsibe

Static Water Level (from TOC): 5.90

Height of Water in Well: 24.10

Gallons of Water per Well Volume: 2.41

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
10:40	400ml/min	0	6.53	5.53	22.72	5.20	-59	329	3.97	very light brown
10:43		0.4	6.34	8.35	17.21	3.26	-67	128	5.33	clear
10:48		1	6.21	9.08	16.93	1.92	-68	81.2	5.74	clear
10:53		1.6	6.17	9.30	17.02	1.72	-71	73.2	5.86	clear
10:58		2.2	6.17	9.33	17.02	1.65	-72	59.7	5.88	clear
11:03		2.8	6.17	9.34	17.03	1.61	-74	23.2	5.88	clear
										sample collected

Note 400 ml = 0.11 gallons

34-11 Beach Channel Drive

GROUNDWATER PURGE / SAMPLE LOGS



ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 15MW3

Well Depth (from TOC):

30

Static Water Level (from TOC):

5.79

Height of Water in Well:

24.21

Gallons of Water per Well Volume: $\times 3 =$ 2.42

Flow Rate: 400ml/min.

Date: 8-5-16

Equipment: Peristaltic Pump, Horiba

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
9:41	400ml/min	0	1.54	4.92	20.28	6.19	20	9.4	3.18	clear
9:44		0.4	1.47	5.09	18.73	3.64	-25	8.3	3.21	clear
9:49		1	1.39	5.16	18.10	3.49	-51	7.8	3.25	clear
9:54		1.6	1.33	5.17	18.00	1.95	-64	10.0	3.26	clear
9:59		2.2	1.31	5.16	18.02	1.83	-70	0.0	3.25	clear
10:04		2.8	1.30	5.14	18.01	1.71	-75	9.2	3.24	clear
										sample collected

Note 400 ml = 0.11 gallons



ENVIRONMENTAL BUSINESS CONSULTANTS

GROUNDWATER PURGE / SAMPLE LOGS

34-11 Beach Channel Drive, NY

Well I.D.: 15MW I

Date: 3/27/2017

Well Depth (from TOC): 30

Equipment: Horiba, Peristaltic Pump

Static Water Level (from TOC): 4.94

Height of Water in Well: 25.06

Gallons of Water per Well Volume: * 3 : 2.5

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
0.00	400ml/min	0	6.82	1.72	10.60	10.66	-90	62.5	1.13	clear
3.00		0.4	6.72	1.94	12.00	8.58	-107	61.4	1.25	clear
8.00		1	6.67	2.01	12.43	6.98	-116	56.5	1.29	clear
13.00		1.6	6.66	2.01	12.25	6.59	-117	43.0	1.29	clear
18.00		2.2	6.66	2.02	12.16	6.52	-117	38.5	1.28	clear
23.00		2.8	6.66	2.03	12.14	6.50	-117	27.3	1.28	clear
28.00		3.4	6.66	2.02	12.12	6.48	-117	26.2	1.28	collected sample
33.00		4	12.10	6.66						

Note 400 ml = 0.11 gallons



ENVIRONMENTAL BUSINESS CONSULTANTS

GROUNDWATER PURGE / SAMPLE LOGS

34-11 Beach Channel Drive, NY

Well I.D.: 15MW 2

Date: 3/27/2017

Well Depth (from TOC): 30

Equipment: Horiba, Peristaltic Pump

Static Water Level (from TOC): 5.14

Height of Water in Well: 24.86

Gallons of Water per Well Volume: 2.45

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
0.00	400ml/min	0	6.71	10.6	11.67	8.69	-94	183	6.70	clear
3.00		0.4	6.69	12.7	13.00	7.11	-112	114	8.07	clear
8.00		1	6.63	15.5	12.76	6.40	-125	67.0	9.66	clear
13.00		1.6	6.63	15.9	13.89	5.88	-129	54.3	9.71	clear
18.00		2.2	6.63	16.1	14.37	5.36	-133	49.8	9.97	clear
23.00		2.8	6.62	16.2	14.67	5.28	-137	44.1	9.99	clear
28.00		3.4	6.62	16.3	14.70	5.20	-140	38.3	10.1	clear
33.00	↓	4	6.62	16.3	14.71	5.18	-142	36.0	10.1	collected sample

Note 400 ml = 0.11 gallons



ENVIRONMENTAL BUSINESS CONSULTANTS

GROUNDWATER PURGE / SAMPLE LOGS

34-11 Beach Channel Drive, NY

Well I.D.: 15MW3

Date: 3/27/2017

Well Depth (from TOC): 30

Equipment: Horiba, Peristaltic Pump

Static Water Level (from TOC): 4.95

Height of Water in Well: 25.05

Gallons of Water per Well Volume: 2.5

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
0.00	400 ml/min	0	6.81	5.73	11.07	7.35	-79	999	3.62	Turbid
3.00		0.4	6.56	6.40	12.34	5.62	-84	381	4.00	Turbid
8.00		1	6.55	6.59	13.19	5.36	-86	118	4.18	Turbid
13.00		1.6	6.55	6.76	13.38	5.22	-90	87.1	4.25	light turbidity
18.00		2.2	6.55	6.79	13.65	5.19	-95	59.8	4.27	clear
23.00		2.8	6.54	6.77	13.77	5.16	-102	52.3	4.26	clear
28.00		3.4	6.54	6.77	13.82	5.14	-103	47.4	4.26	clear
33.00		4	6.54	6.76	13.85	5.13	-103	42.8	4.26	sample collected

Note 400 ml = 0.11 gallons



GROUNDWATER PURGE / SAMPLE LOGS

34-11 Beach Channel Drive

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 154 w1

Date: 9/18/17

Well Depth (from TOC): 30.0

Equipment: Peristaltic Pump Horiba

Static Water Level (from TOC): 7.0

Height of Water in Well: 23

Gallons of Water per Well Volume: 3.02

Flow Rate: 400ml/min

Time	Pump Rate	Gal. Removed	pH	Cond. (uS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments	
12:24	400ml/min	0.0	7.39	7.18	21.21	1.14	-197	67.1	4.46	Black	odor (Peto)
12:27	↓	0.4	7.33	7.33	19.70	0.23	-210	0.0	4.74	Black	odor
12:31		1.0	7.09	8.38	18.36	0.0	-191	1000	5.24	Grey	odor
12:36		1.6	6.97	8.54	18.10	0.0	-174	401	5.42	Grey	odor
12:41		2.2	6.92	8.72	18.12	0.0	-164	165	5.51	clear	Peto odor sample collected

Note 400 ml = 0.11 gallons



GROUNDWATER PURGE / SAMPLE LOGS

34-11 Beach Channel Drive

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 15 MW2

Date:

9/18/17

Well Depth (from TOC):

28.47

Equipment:

Peristaltic Pump/Horiba.

Static Water Level (from TOC):

5.9

Height of Water in Well:

22.57

Gallons of Water per Well Volume:

2.25

Flow Rate:

400ml/min

Time	Pump Rate	Gal. Removed	pH	Cond. (uS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments	
11:10	400ml/min	0.0	7.53	0.002	22.73	11.93	11	400	0.002	petrol odor	grey
11:13		0.4	7.30	0.002	20.17	12.38	-73	399	0.001	odor	grey
11:18		1.0	6.93	0.002	20.06	11.61	-62	324	0.001	odor	clear
11:23		1.6	6.80	0.002	20.04	10.88	-56	346	0.001	odor	clear
11:28	✓	2.2	6.68	0.002	20.02	10.42	-52	348	0.001	odor	clear
11:33	400ml/min	2.8	6.66	0.002	20.01	10.43	-51	344	0.001	odor	clear

Note 400 ml = 0.11 gallons



GROUNDWATER PURGE / SAMPLE LOGS

34-11 Beach Channel Drive

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 15MW3

Date: 9/18/17

Well Depth (from TOC): 26.58

Equipment: Peristaltic Pump / Horiba

Static Water Level (from TOC): 6.12

Height of Water in Well: 20.38

Gallons of Water per Well Volume: 2.0

Flow Rate: 400ml/min

Time	Pump Rate	Gal. Removed	pH	Cond. (uS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments	
2:04	400ml/min	0.0	7.05	10.0	21.40	0	-144	1000	6.24	Black	odor (Petrol)
2:07		0.4	7.07	7.37	19.10	0	-157	1000	4.43	Black	odor
2:12		1.0	7.02	6.38	18.71	0	-157	0.0	4.02	Black	odor
2:17		1.6	6.99	6.22	18.40	0	-157	0.0	3.90	Grey	odor
2:22		2.2	6.98	6.06	18.53	0	-157	0.0	3.78	Grey	odor
2:27		2.8	6.96	5.79	18.57	0	-156	1000	3.70	Clear	odor
2:32	✓	3.4	6.95	5.78	18.19	0	-155	712	3.61	Clear	odor

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS



Well I.D.: 15MW3

Date: 12-13-17

Well Depth (from TOC): 30

Equipment: Horiba Peristaltic Pump

Static Water Level (from TOC): 6.57

Height of Water in Well: 23.43

Gallons of Water per Well Volume: 83, 2.3

Flow Rate: 400ml/min

[illegible]

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GROUNDWATER PURGE / SAMPLE LOGS



Well I.D.: 15MW2

Date: 12-13-17

Well Depth (from TOC): 30

Equipment: Horiba Peristaltic Pump

Static Water Level (from TOC): 5.56

Height of Water in Well: 24.44

Gallons of Water per Well Volume: 43×2.4

Flow Rate: 400ml/min

[illegible]

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34-11 Beach Channel Drive



GROUNDWATER PURGE / SAMPLE LOGS

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 15MW1

Date: 12-13-17

Well Depth (from TOC): 30

Equipment: Peristaltic Pump,
Horiba

Static Water Level (from TOC): 6.92

Height of Water in Well: 23.08

Gallons of Water per Well Volume: x 33 2.3

Flow Rate: 400ml/min

Time	Pump Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
		0								
		0.4								
		1								
		1.6	6.85	9.03	16.05	2.6	-78			
		2.2	6.82	9.01	16.08	0.0	-79			clear
		2.8	6.81	8.93	16.10	0.0	-81			clear
		3.4	6.80	8.89	16.10	0.0	-83			collected sample

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS

34-11 Beach Channel Drive,



ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 15" ID

Date: 2/23/18

Well Depth (from TOC):

29.52'

Equipment: Hori ba, Peristaltic Pump

Static Water Level (from TOC):

5.98

Height of Water in Well:

23.54

Gallons of Water per Well Volume:

2.35

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	Temp. (deg. C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS	Comments
12:58	400 ml/min	0.0	4.4	7.05	186	5.53	0.0	2.37	3.83	Black
01:00		0.33	13.95	6.9	4	6.30	0.0	0.0	3.96	Brown/ Grey
1:05		0.8	14.57	6.94	-8	6.14	0.0	0.0	3.88	Grey, odor
1:10		1.3	14.81	6.98	-6	6.27	4.99	0.0	3.95	grey to clear
1:15		1.9	15.27	6.96	-6	6.23	4.03	0.0	3.92	clear
1:20	✓	2.4	15,	6.96	-8	6.14	2.79	0.0	3.90	clear
										samples taken

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS

34-11 Beach Channel Drive,



ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 15mm

Date: 3/23/18

Well Depth (from TOC):

29.59

Equipment: Horiba, peristaltic pump

Static Water Level (from TOC):

4.95

Height of Water in Well:

18.59'

Gallons of Water per Well Volume:

1.85

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	Temp. (deg. C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS	Comments
12:32	400 ml/min	0.0	16.59	7.14	-1	0.004	42.9	10.25	0.03	Black
12:35		0.4	17.11	7.04	32	0.003	36.9	9.29	0.002	Black
12:40		0.8	16.50	7.68	-20	0.605	0.0	0.0	0.380	Black
12:45		1.3	15.56	7.68	-31	0.982	0.0	0.0	0.369	Black
12:50	400 ml/min	1.9	14.55	7.47	-32	0.543	16.2	0.0	0.348	Black
										samples taken

Note 400 ml = 0.11 gallons

34-11 Beach Channel Drive

GROUNDWATER PURGE / SAMPLE LOGS



ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 15 mm

Date: 6/15/18

Well Depth (from TOC): 30'

Equipment:

Static Water Level (from TOC): 6.28'

Horiba, Peristaltic pump

Height of Water in Well: 23.72'

Gallons of Water per Well Volume: 2.37

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	Temp. (deg. C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS	Comments
8:23	400 ml/min	0	16.25	8.12	-106	6.40	773	7.39		Very turbid
8:26	↓	.33	15.77	8.16	-109	6.52	261	6.39		Very turbid
8:31	↓	.88	15.72	8.12	-114	6.72	204	5.72		turbid
8:36	↓	1.43	15.72	8.08	-118	6.75	69.0	5.44		clear
8:41		1.98	15.74	8.07	-120	6.78	19.3	5.21		clear
8:46		2.53	15.77	8.06	-123	6.78	9.6	5.08		clear
8:51		3.08	15.78	8.06	-124	6.78	8.7	5.01		clear

Note 400 ml = 0.11 gallons

34-11 Beach channel drive

GROUNDWATER PURGE / SAMPLE LOGS



ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 15 mw 2

Date: 6/15/18

Well Depth (from TOC): 30'

Equipment:

Static Water Level (from TOC): 5.33

Horiba, Peristaltic pump

Height of Water in Well: 24.67

Gallons of Water per Well Volume: 2.46

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	Temp. (deg. C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS	Comments
9:36	400ml/min	0	16.79	7.77	-85	.772	911	6.86		Very turbid
9:39		.33	15.57	7.62	-109	.445	349	6.62		Very turbid
9:44		.88	15.09	7.63	-129	.493	275	6.23		turbid
9:49		1.43	15.00	7.60	-148	.466	155	6.17		turbid
9:54		1.98	15.00	7.62	-157	.481	69.8	6.04		clear
9:59		2.53	15.01	7.63	-161	.481	47.0	6.12		clear
10:04		3.08	14.97	7.62	-163	.509	40.1 40.1	5.75		clear

Note 400 ml = 0.11 gallons

34-11 Beach Channel Drive



ENVIRONMENTAL BUSINESS CONSULTANTS

GROUNDWATER PURGE / SAMPLE LOGS

Well I.D.: 15 mw3

Date: 6/15/18

Well Depth (from TOC): 30'

Equipment:

Static Water Level (from TOC): 23.84 6.16'

Horiba, peristaltic pump

Height of Water in Well: 23.84

Gallons of Water per Well Volume: 2.38

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	Temp. (deg. C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS	Comments
10:29	400 ml/min	0	16.69	8.05	-56	5.13	947	7.00		
10:32		.33	16.37	8.00	-81	5.36	604	5.06		Very turbid
10:37		.88	16.40	7.99	-98	5.16	380	4.63		Very turbid
10:42		1.43	16.42	7.98	-106	4.91	288	4.54		turbid
10:47		1.98	16.47	7.97	-111	4.74	160	4.44		turbid
10:52		2.53	16.49	7.95	-115	4.61	150	4.30		turbid
10:57		3.08	16.54	7.95	-117	4.56	73.3	4.34		turbid
11:02		3.63	16.52	7.94	-120	3.98	51.3	3.97		Clear
										Clear

Note 400 ml = 0.11 gallons



34-11 Beach Channel Drive, Queens, NY

Flow Rate: 400ml/min.

Equipment: Peristaltic Pump, U-52 Horiba

[illegible]

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GROUNDWATER PURGE / SAMPLE LOGS

34-11 Beach Channel Drive, Queens, NY

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 5NW2

Date: 9/19/2018

Well Depth (from TOC): 30'

Equipment: Peristaltic Pump, U-52 Horiba

Static Water Level (from TOC): 5.4'

Height of Water in Well: 24.6'

Gallons of Water per Well Volume: ~~0.246~~ 2.46

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
9:02	400 ml/min	0	8.17	.824	20.97	5.03	-136	19.9		Clear
9:05		.33	8.21	.801	20.60	1.42	-174	2.8		Clear
9:10		.88	8.02	.799	19.76	2.66	-219	0		Clear
9:15		1.43	8.08	.802	19.44	.83	-241	0		Clear
9:20		1.98	8.12	.801	19.28	.80	-252	0		Clear
9:25	↓	2.53	8.12	.802	19.17	.87	-257	0		Clear

Note 400 ml = 0.11 gallons



GROUNDWATER PURGE / SAMPLE LOGS

34-11 Beach Channel Drive, Queens, NY

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 15 MW3

Date: 9/19/2018

Well Depth (from TOC): 30'

Equipment: Peristaltic Pump, U-52 Horiba

Static Water Level (from TOC): 5.9'

Height of Water in Well: 24.1'

Gallons of Water per Well Volume: ~~0.241~~ 2.41

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
8:07	400 ml/min	0	7.24	6.44	20.26	2.52	-89	16.2		Clear
8:10		.33	7.17	6.35	19.68	.76	-97	16.0		Clear
8:15		.88	7.11	6.14	18.84	.02	-104	6.14		Clear
8:20		1.43	7.09	5.92	18.66	0	-110	0		Clear
8:25		1.98	7.09	5.75	18.40	0	-115	0		Clear
8:30	✓	2.53	7.08	5.66	18.21	0	-118	0		Clear

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS



ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 15 MW1

Date: 12-10-18

Well Depth (from TOC): 29.5 ft

Equipment: _____

Static Water Level (from TOC): 5.82 ft

Geo Pump, Horiba

Height of Water in Well: 23.68 ft

Gallons of Water per Well Volume: 0

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	(NTU) Turbidity	Comments
12:30pm		0.0	6.96	6.57	13.57	3.24	326	Turbid, light brown.
12:33pm		0.4	6.84	7.17	14.37	2.07	153	Turbid, light brown.
12:38pm		1.1	6.82	7.23	14.58	1.21	136	Turbid, light brown.
12:43pm		2.0	6.57	7.06	14.55	0.80	33.9	Clear
12:48pm		3.0	6.81	6.94	14.58	0.55	67.1	Clear
12:53pm		3.8	6.80	6.85	14.55	0.66	49.3	Clear
12:58pm		4.5	6.80	6.87	14.53	0.67	42.3	Clear / Sample 1

GROUNDWATER PURGE / SAMPLE LOGS



ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 15 MW2

Date: 12-10-18

Well Depth (from TOC): 28.6 ft

Equipment: _____

Static Water Level (from TOC): 4.75 ft

GeoPump, Honda

Height of Water in Well: 23.85 ft

Gallons of Water per Well Volume: 0

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	NTU Turbidity	Comments
01.18 pm		0.0	7.39	1.81	14.19	1.37	43.3	Turbid, light brown
01.21 pm		0.5	7.45	1.59	15.03	0.17	33.7	Turbid, light brown
01.26 pm		1.1	7.51	1.69	14.99	0.33	32.1	Clear
01.31 pm		2.4	7.49	1.62	14.98	0.30	17.7	Clear
01.36 pm		3.8	7.50	1.65	14.96	0.27	6.0	Clear
01.41 pm		4.5	7.50	1.62	14.97	0.28	5.9	Clear
01.46 pm		5.6	7.51	1.62	14.95	0.25	6.1	Clear / samples



GROUNDWATER PURGE / SAMPLE LOGS

34-11 Beach Channel Drive

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 15 MW3

Date: 12-10-18

Well Depth (from TOC): 28.4 ft

Equipment:

Static Water Level (from TOC): 6.7 ft

GeoPump, Harbor

Height of Water in Well: 21.7 ft 0

Gallons of Water per Well Volume: 0

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	NTU Turbidity	Comments
02:10 pm		0.0	6.90	5.98	13.08	1.50	191	Turbid, Brown
02:13 pm		0.5	6.84	5.77	14.09	0.0	172	Turbid, light brown
02:18 pm		1.1	6.83	5.41	14.42	0.0	163	Turbid, light brown
02:23 pm		2.0	6.84	5.21	14.40	0.0	155	Clear
02:28 pm		3.1	6.84	5.23	14.39	0.0	88.1	Clear
02:33 pm		3.9	6.84	5.21	14.27	0.0	65.5	Clear
02:38 pm		4.8	6.85	5.10	14.26	0.0	42.0	Clear
02:43 pm		5.6	6.84	5.12	14.27	0.0	45.2	Clear / sampled

APPENDIX E

BUILDING DEPARTMENT PERMITS




[CLICK HERE TO SIGN UP FOR BUILDINGS NEWS](#)

NYC Department of Buildings

Work Permit Data

Premises: 34-11 BEACH CHANNEL DRIVE QUEENS

Filed At: 34-11 BEACH CHANNEL DRIVE QUEENS

BIN: [4615090](#) Block: 15950 Lot: 7501

Job Type: A2 - ALTERATION TYPE 2

CONCRETE WORK NOT AUTHORIZED - CONCRETE PLACEMENT, FORMWORK, STEEL REINFORCING NOT PERMITTED

DOB NOW: *Inspections*

Job No:	440480686	Fee:	STANDARD
Permit No:	440480686-01-EW-OT	Issued:	06/21/2018
Seq. No.:	01	Filing Date:	06/21/2018 INITIAL
Work:		Status:	ISSUED
		Proposed Job Start:	06/21/2018
		Work Approved:	06/19/2018

ALTERATION TYPE 2 - SOLAR TAX

INSTALLATION OF A SOLAR ELECTRIC SYSTEM AT ROOF. NO CHANGE IN USE, EGRESS OR
OCCUPANCY UNDER THIS APPLICATION.

Use: R-2 - RESIDENTIAL: APARTMENT HOUSES

Landmark: NO

Stories: 7

Site Fill: NOT APPLICABLE

Review is requested under Building Code: 2014

Total Number of Dwelling Units at Location: 154

Number of Dwelling Units Occupied During Construction: 154

Adding more than three stories: No

Removing one or more stories: No

Performing work in 50% or more of the area of the building: No

Demolishing 50% or more of the area of the building: No

Performing a vertical or horizontal enlargement adding more than 25% of the area of the building: No

Mechanical equipment other than handheld devices to be used for demolition or removal of debris to be used: No

Altering 10% or more of the existing floor surface area of the building: No

Approved work includes concrete: No

Concrete work has been completed: No

Requesting concrete exclusion now: No

Work includes 2,000 cubic yards or more of concrete: No

Issued to: RICHARD L KLEIN

GENERAL
CONTRACTOR - [GC 605278](#)
REGISTERED:

Business: QUIXOTIC SYSTEMS INC

90 BEDFORD ST STE A NEW YORK NY 10014

Phone: 212-367-9161

If you have any questions please review these [Frequently Asked Questions](#), the [Glossary](#), or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.