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, 2020 to April 20, 2021

	YES	NO
1. Is the information above correct?	X	☐
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?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
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?	☐	X

Box 2

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

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information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	X

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

	YES	NO
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	X	☐

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

Parcel	Owner	Institutional 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.

Box 5

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 Engineering Control 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 compete.

YES	NO
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The 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
X	☐

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 (print name) at 1044 Northern Blvd, Roslyn NY 11576 (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

4/23/21
Date

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 (print name) at AMC Engineering, PLLC (print business address),

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

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

Stamp (Required for PE)

4/26/21

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, 2020 TO APRIL 20, 2021

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(April 20, 2020 to April 20, 2021)
34-11 Beach Channel Drive, Far Rockaway, New York 11691

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I. EXECUTIVE SUMMARY

AMC Engineering, PLLC (AMC) has prepared the following Periodic Review Report (PRR) for the reporting period of April 20, 2020 to April 20, 2021, for the properties located at 34-11 Beach Channel Drive in Far Rockaway, New York 11691 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 (CVOCs) 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.

An inspection was performed during the current reporting period to certify the existing 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 4/16/2021, 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, March 2018, June 2018, September 2018, and December 2018. No groundwater sample was obtained from 15MW3 in June 2017 due to on-going building construction.

In November 2018, the NYSDEC approved an amendment to the groundwater sampling, from quarterly samples to biannual samples. Wells were sampled in June 2019 and December 2019. These results can be found in the PRR for the 2019-2020 reporting period.

For the current reporting period, wells were sampled in June 2020 (2020 Q2) and December 2020 (2020 Q4). Groundwater sample results for the 2020 Q2 and 2020 Q4 sampling events can be found in this PRR.

In 15MW1, the highest concentration of CVOCs in groundwater was noted at 11,139.20 µg/L (December 2015). The elevated CVOC concentration was attributed to 1,1-dichloroethane (8.2 µg/L), cis-1,2-dichloroethene (6,000 µg/L), trans-1,2-dichloroethene (220 µg/L), trichloroethene (11 µg/L), and vinyl chloride (4,900 µg/L). The elevated CVOC concentrations decreased over the subsequent sampling events. Overall, the total CVOC concentration for 15MW1 has decreased from 11,139.20 µg/L (December 2015) to 1.45 µg/L (June 2020), then increased to 31.78 µg/L (December 2020). However, the slight increase in concentrations from June 2020 to December 2020 was negligible compared to the peak CVOC concentration of 11,139.20 µg/L. Total VOCs for the same time period followed a similar

trend, decreasing from 11,139.20 µg/L (December 2015) to 3.57 µg/L (June 2020), then increasing to 31.78 µg/L (December 2020).

In 15MW2, the highest concentration of CVOCs in groundwater was noted at 1,998.00 µg/L (December 2015). The elevated CVOC concentration was attributed to cis-1,2-dichloroethene (1,400 µg/L), trans-1,2-dichloroethene (14 µg/L), trichloroethene (14 µg/L), and vinyl chloride (570 µg/L). The elevated CVOC concentrations generally decreased over the subsequent sampling events. Overall, the total CVOC concentration for 15MW2 has decreased from 1,998.00 µg/L (December 2015) to non-detect levels (June 2020), then increased to 0.83 µg/L (December 2020). However, the slight increase in concentrations from June 2020 to December 2020 was negligible compared to the peak CVOC concentration of 1.998.00 µg/L. Total VOCs and petroleum VOCs (PVOC) followed a different trend, increasing from 0 µg/L (December 2015) to 42,660 µg/L (June 2017), then back down to almost non-detect levels in 2020. The sudden spike in PVOCs in the June 2017 sampling event was likely an error, since PVOCs were not contaminants of concern during the initial remediation, nor were they found at these levels in any other sampling event.

In 15MW3, the highest concentration of CVOCs in groundwater was noted at 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 decreased over the subsequent sampling events. Overall, the total CVOC concentration for 15MW3 has decreased from 611 µg/L (December 2015) to non-detect levels (June 2020), then increased to 2.01 µg/L (December 2020). However, the slight increase in concentrations from June 2020 to December 2020 was negligible compared to the peak CVOC concentration of 29,075 µg/L. Total VOCs for the same time period followed a similar trend, decreasing from 638.3 µg/L (December 2015) to 7.48 µg/L (June 2020), then increasing to 8.41 µg/L (December 2020).

As previously reported, little or no PVOCs were detected within all three monitoring wells with the exception of 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 quarterly sampling events or within the most recent two sampling events that comprise the current reporting period.

Overall, the total VOCs concentration decreased from the December 2015 sampling event to the December 2020 sampling event in all three monitoring wells.

The 2015-2020 groundwater sampling results indicate that an asymptotic reduction of concentration of both chlorinated and petroleum hydrocarbons have been achieved. Only Benzene (1.6 µg/L), cis-1,2-Dichloroethene (14 µg/L), and Vinyl Chloride (95 µg/L) in 15MW1, and Benzene (1.1 µg/L) in 15MW3 are present in exceedance of the GQS. Monitoring well 15MW2 achieved full reduction and no VOC compounds were present above the GQS.

Based on the asymptotic reduction of contaminants in the groundwater samples, we are requesting for the discontinuation of groundwater monitoring. In addition, we are requesting for the termination of the SSD system. If the Department allows for this request, we will submit an “Indoor Air Monitoring Plan” under separate cover, which will identify the steps to test for the indoor air and sub-slab conditions.

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 square feet (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 met 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 an In-Situ Chemical Oxidation (ISCO, aka chemical injections) plan to treat chlorinated volatile organic compounds (VOCs) in soil and groundwater along the eastern property line where chlorinated VOCs were elevated in groundwater;
- A sub-slab depressurization system to prevent the migration of vapors into the buildings from soil and/or groundwater;
- Imposition of an institutional control in the form of an 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 following 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 following the liquid injections.

Injections were completed in July 2016. No chemical oxidant injections were performed during this reporting period.

Groundwater Monitoring

Groundwater monitoring to assess the effectiveness of the remedy was completed in August 2016 and has been conducted on a quarterly basis until 2018, when the Department approved of a biannual sampling requirement (in November 2018). To assist in the evaluation of VOCs in groundwater, total VOCs concentrations, chlorinated VOCs concentrations, and petroleum VOCs concentrations are provided in **Tables 1A, 1B, and 1C**. The petroleum VOCs only include compounds associated with gasoline contamination. Copies of the groundwater purge logs are attached as **Appendix C**.

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.

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 monitoring wells.

Groundwater Sampling Results (2020 Q2 and 2020 Q4)

During the 2020 Q2 and 2020 Q4 groundwater sampling events, the highest concentrations of PVOCs were reported in 15MW3 and the highest concentrations of CVOCs were reported in 15MW1, as shown in **Tables 1A, 1B, and 1C.** However, the concentrations found during these sampling events were negligible when compared to their respective peak concentrations.

15MW1

The total VOC concentration decreased from a pre-injection concentration of 11,139.20 µg/L (December 2015) to 3.57 µg/L (June 2020), then slightly increased to 31.78 µg/L (December 2020). Over the past two biannual sampling events only benzene, cis-1,2-dichloroethene, and vinyl chloride have been reported above the GQS.

15MW2

The total VOC concentration decreased from a pre-injection concentration of 1,998 µg/L (December 2015) to 0.81 µg/L (June 2020), then slightly increased to 1.44 µg/L (December 2020). Over the past two biannual sampling events no VOCs have been reported above the GQS.

15MW3

The total VOC concentration decreased from a pre-injection concentration of 638.3 µg/L (December 2015) to 7.48 µg/L (June 2020), then slightly increased to 8.41 µg/L (December 2020). Over the two biannual sampling events only benzene has been reported above the GQS.

Site Cover and 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.

SSD System

A 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" HDPE pipe. In each zone, the horizontal pipe connects to a common 6" cast iron line that runs vertically to the roof. Virgin-mined, ¾" gravel was placed around the horizontal vent piping and in a 6" 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 reporting period, therefore no corrective measures were required.

4. IC Conclusions and Recommendations

Based on the results of the groundwater sampling and groundwater monitoring, we are requesting for the discontinuation of groundwater monitoring.

All other Institutional Controls will remain in place.

A2. EC Requirements and Compliance

The ECs for the Site consist of a cover system and sub-slab depressurization (SSD) system, 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 slab below the buildings and 4" concrete slabs below the driveways/parking areas throughout the Site.

Sub-Slab Depressurization System
The SSD system beneath the building consists of six (6) separate venting zones. Each zone provides coverage of 4,000 square feet of slab area. The horizontal vent line is constructed of perforated 4" HDPE pipe. In each zone, the horizontal pipe connects to a common 6" cast iron line that runs vertically to the roof. Virgin-mined, ¾" gravel was placed around the horizontal vent piping and in a 2" layer beneath the entire slab.

2. Status of each EC

An inspection was performed for the current reporting period on April 16, 2021. No deficiencies in the engineering controls were identified during the inspection. Copies of the Annual Checklists are attached as **Appendix A**.

Composite Cover System
No cracks or perforations were noted in the concrete cap during the reporting period.

Sub-Slab Depressurization System
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.

3. Corrective Measures

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

4. EC Conclusions and Recommendations

All controls are currently in place, functioning, and in compliance with the Site Management Plan.

We are requesting for the termination of the SSD system. If the Department allows for this request, we will submit an "Indoor Air Monitoring Plan" under separate cover, which will identify the steps to test for the indoor air and sub-slab conditions.

The composite cover system will continue to be inspected on an annual frequency, unless otherwise noted by the Department.

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 and nothing has occurred 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 complies with the environmental easement.

Ariel Czemerinski	5/6/2021	
NYS Professional Engineer #	Date	Signature

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 biannual basis (as of November 2018). 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 per the Departments approval on November 1, 2018, the frequency of groundwater sampling from monitoring wells 15MW1 to 15MW3 was reduced from quarterly to biannual. Groundwater quality was monitored and sampling was performed during this reporting period in June 2020 and December 2020.

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

Prior to sampling each monitoring well, the depth to well 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. 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 reporting period and comparisons to previous data are summarized in **Tables 1A, 1B and 1C**. Copies of the laboratory analytical reports are included in **Appendix B.** 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**, little or no PVOCs were detected within all three monitoring wells with the exception of 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 quarterly sampling events or within the most recent two sampling events that comprise the current reporting period.

Overall, the total VOCs concentration decreased from the December 2015 sampling event to the December 2020 sampling event in all three monitoring wells.

D. Monitoring Deficiencies

No monitoring deficiencies were noted during this reporting period.

E. Conclusions and Recommendations

Total VOC concentrations remained low for the reporting period as they had during 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 2020 sampling event in all three monitoring wells.

The 2015-2020 groundwater sampling results indicate that an asymptotic reduction of concentration of both chlorinated and petroleum hydrocarbons have been achieved. Only Benzene (1.6 µg/L), cis-1,2-Dichloroethene (14 µg/L), and Vinyl Chloride (95 µg/L) in 15MW1, and Benzene (1.1 µg/L) in 15MW3 are present in exceedance of the GQS. Monitoring well 15MW2 achieved full reduction and no VOC compounds were present above the GQS.

Based on the asymptotic reduction of contaminants in the groundwater samples, we are requesting for the discontinuation of groundwater monitoring. In addition, we are requesting for the termination of the SSD system. If the Department allows for this request, we will submit an “Indoor Air Monitoring Plan” under separate cover, which will identify the steps to test for the indoor air and sub-slab conditions.

VI. OPERATIONS & MAINTENANCE PLAN COMPLIANCE REPORT

A. Components of the O&M Plan

The Operation and Maintenance (O&M) 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 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 SSD 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. Any damages to SSD system elements are 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 SSD 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 April 16, 2021. No cracks or perforations were noted in the concrete cap during this reporting period.

2. Sub-Slab Depressurization System

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.

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 SSD system 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

The concrete slab and vapor barrier should be continued to be monitored during routine inspections of the Site.

In addition, we are requesting for the termination of the SSD system. If the Department allows for this request, we will submit an "Indoor Air Monitoring Plan" under separate cover, which will identify the steps to test for the indoor air and sub-slab conditions.

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 2020 and December 2020.
- 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 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, the concentration of total VOCs in on-Site groundwater from December 2015 to December 2020 appear to be decreasing.

C. Future PRR Submittals

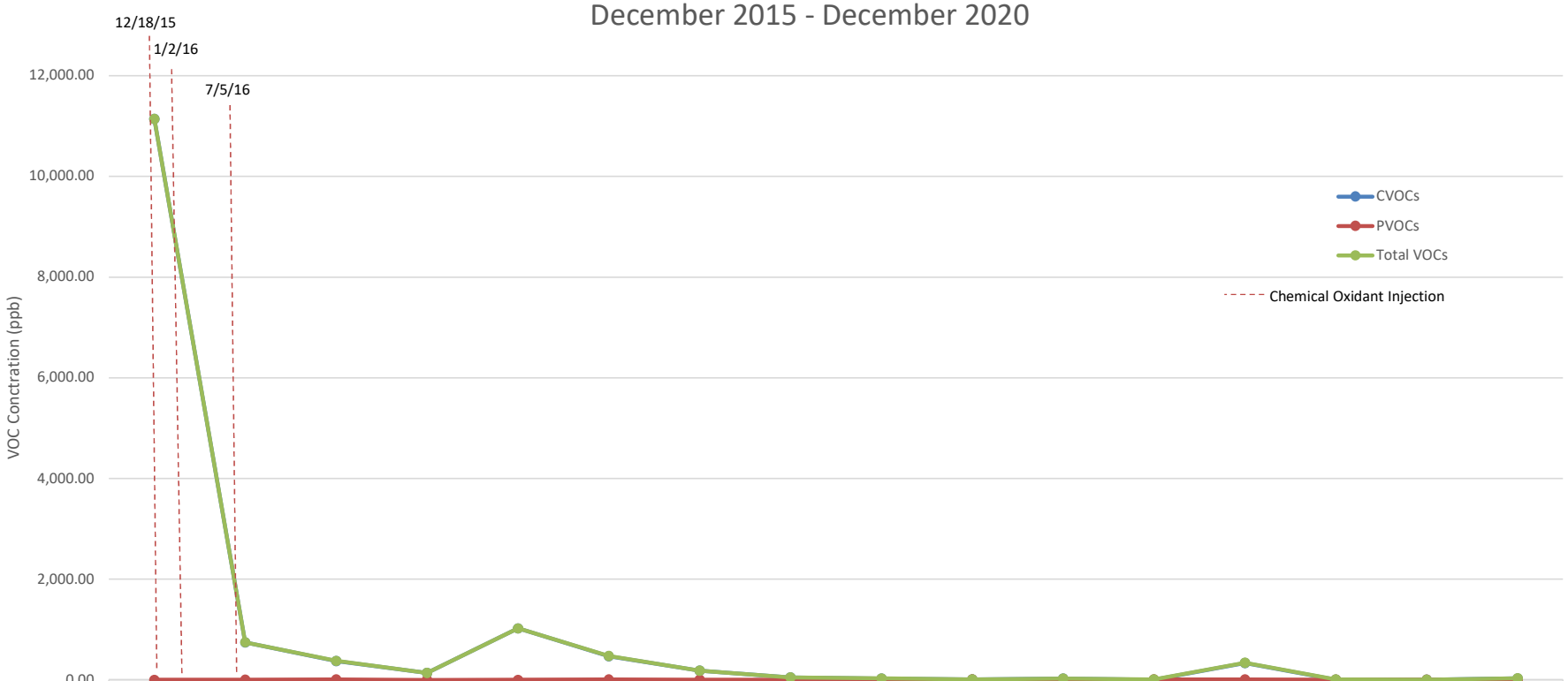
The next PRR submittal will reflect the PRR reporting period of April 21, 2021 to April 20, 2022.

Based on the asymptotic reduction of contaminants in the groundwater samples, we are requesting for the discontinuation of groundwater monitoring. In addition, we are requesting for the termination of the SSD system. If the Department allows for this request, we will submit an "Indoor Air Monitoring Plan" under separate cover, which will identify the steps to test for the indoor air and sub-slab conditions.

Other than the above-referenced requests, no changes are proposed to the frequency or inspection criteria in future PRR submittals.

TABLES / GRAPHS

Graph 1
15MW1 VOCs
34-11 Beach Channel Drive, Queens NY
December 2015 - December 2020



	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	6/28/2019	12/12/2019	6/30/2020	12/14/2020
CVOCs	11,139.20	743.10	371.52	140.07	1,022.40	467.83	179.30	48.65	24.79	5.15	21.74	2.70	333.68	2.86	1.45	29.63
PVOCs	0.0	4.6	5.1	0.3	0.0	6.3	1.8	1.8	2.1	5.1	0.84	6.43	5.25	1.89	2.12	2.15
Total VOCs	11,139.20	747.70	376.66	140.32	1,022.40	474.09	181.10	50.45	26.87	10.25	22.58	9.13	338.93	4.75	3.57	31.78

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

15MW1 (part 1 of 2)

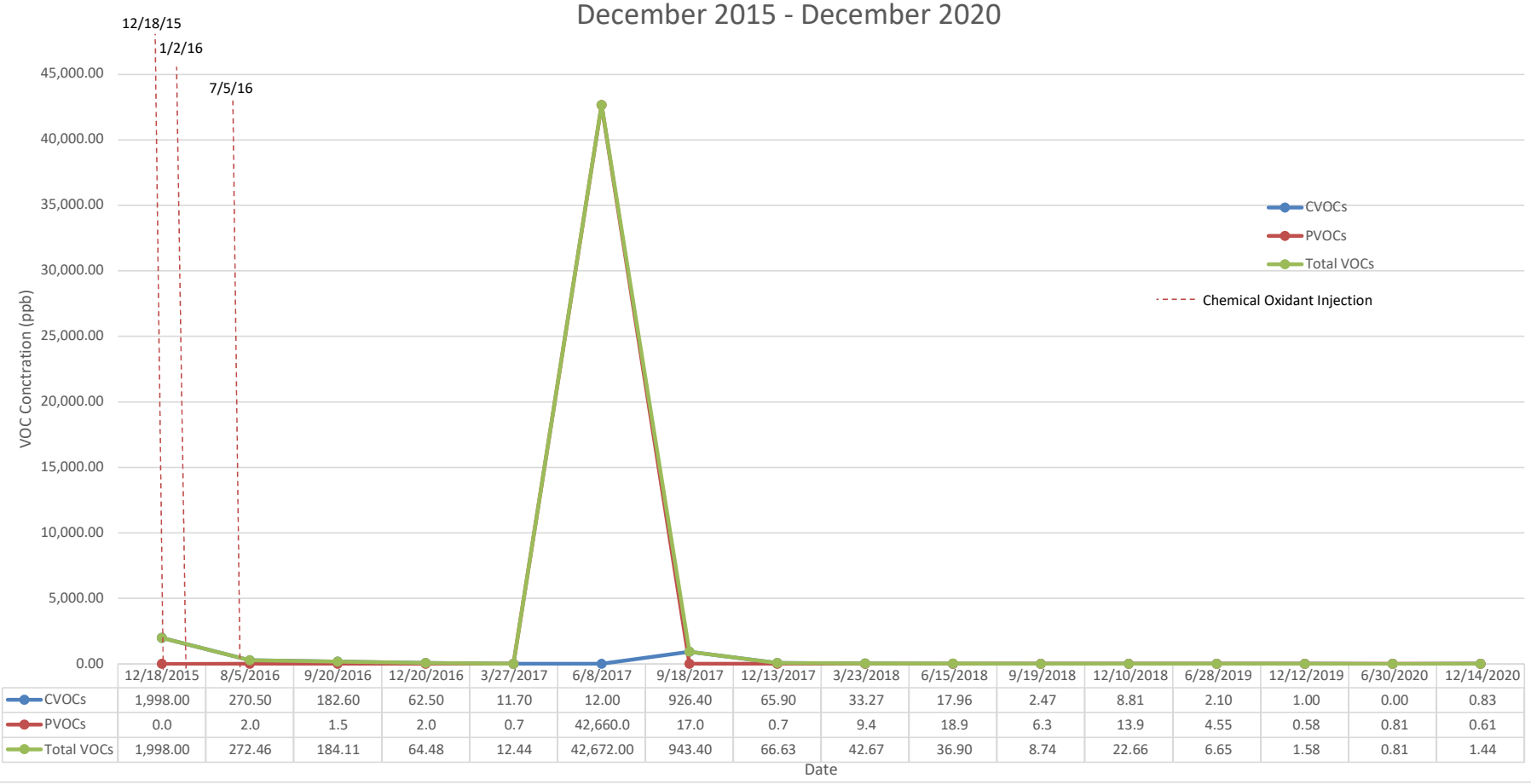
Compound	NYSDEC Groundwater Quality Standards	12/18/2015		8/5/2016		9/20/2016		12/20/2016		3/27/2017		6/8/2017		9/18/2017		12/13/2017	
		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
	µg/L	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane	5	< 5.0	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
1,1,1-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
1,1,2,2-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
1,1,2-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
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
1,1-Dichloroethene	5	**8.2**	5.0	**1.1**	1.0	**0.78**	1.0	< 1.0	1.0	**1.4**	5.0	**0.58**	1.0	< 1.0	1.0	< 1.0	1.0
1,1-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
1,2,3-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
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
1,2,4-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
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
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
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
1,2-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
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
1,2-Dichloropropane	0.94	< 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
1,3,5-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
1,3-Dichlorobenzene	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	**4**	1.0	< 3.0	3.0	< 1.0	1.0	< 1.0	1.0	**0.35**	1.0
1,3-Dichloropropane	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
1,4-Dichlorobenzene	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
1,4-dioxane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	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
2-Chlorotoluene	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
2-Hexanone (Methyl Butyl Ketone)		< 50	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 13	13	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
2-Isopropyltoluene	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
4-Chlorotoluene	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
4-Methyl-2-Pentanone		< 50	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 13	13	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Acetone		< 50	50	**3.5**	5.0	**4.3**	5.0	< 5.0	5.0	< 25	25	**5.7**	5.0	< 5.0	5.0	< 5.0	5.0
Acrolein		< 50	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 13	13	< 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	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Benzene	1	< 5.0	5.0	1.1	0.70	**0.84**	0.70	**0.25**	0.70	< 1.3	1.3	**0.56**	0.70	**1.1**	0.70	**1.8**	0.70
Bromobenzene	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
Bromochloromethane	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
Bromodichloromethane		< 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
Bromoform		< 50	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 25	25	< 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
Carbon Disulfide	60	< 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
Carbon tetrachloride	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
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
Chloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	**0.29**	5.0	< 5.0	5.0	< 5.0	5.0
Chloroform	7	< 7.0	7.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 7.0	7.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloromethane	60	< 5.0	5.0	< 5.0	5.0	**0.74**	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	**6,000**	400	**300**	20	**230**	10	**51**	5.0	**690**	13	**300**	20	**76**	10	**17**	1.0
cis-1,3-Dichloropropene		< 5.0	5.0	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 1.3	1.3	< 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	< 5.0	5.0	< 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	< 5.0	5.0	< 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	< 1.0	1.0	< 5.0	5.0	< 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	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Hexachlorobutadiene	0.5	< 5.0	5.0	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 1.0	1.0	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	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
m&p-Xylenes	5	< 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
Methyl Ethyl Ketone (2-Butanone)		< 50	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 13	13	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Methyl t-butyl ether (MTBE)	10	< 20	20	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	**0.38**	1.0	**0.5**	1.0
Methylene chloride	5	< 20	20	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 5.0	5.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0
Naphthalene	10	< 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
Tert-butyl alcohol		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	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
n-Propylbenzene	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
o-Xylene	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	**0.32**	1.0	**0.43**	1.0
p-Isopropyltoluene		< 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
sec-Butylbenzene	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
Styrene	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
tert-Butylbenzene	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
Tetrachloroethene	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
Tetrahydrofuran (THF)		< 50	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 25	25	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Toluene	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
trans-1,2-Dichloroethene	5	**220**	100	**22**	5.0	**9.7**	5.0	**4.7**	5.0	**11**	5.0	**6.7**	5.0	**3.3**	5.0	**4.3**	5.0
trans-1,3-Dichloropropene	0.4	< 5.0	5.0	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 1.3	1.3	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	5	< 50	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 13	13	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Trichloroethene	5	**11**	5.0	< 1.0	1.0	**0.3**	1.0	**0.37**	1.0	< 5.0	5.0	**0.26**	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorofluoromethane	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
Trichlorotrifluoroethane		< 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
Vinyl Chloride	2	**4,900**	400	**420**	20	**130**	10	**80**	2.5	**320**	13	**160**	20	**100**	10	**27**	1.0
CVOCs		11,139.20		743.10		371.52		140.07		1,022.40		467.83		179.30		48.65	
PVOCs		0.0		4.6		5.1		0.3		0.0		6.3		1.8		1.8	
Total VOCs		11,139.20		747.70		376.66		140.32		1,022.40		474.09		181.10		50.45	

15MW1 (part 2 of 2)

Compound	3/23/2018		6/15/2018		9/19/2018		12/10/2018		6/28/2019		12/12/2019		6/30/2020		12/14/2020	
	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
1,1,1,2-Tetrachlorothane	< 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	< 1.0	1.0
1,1,1-Trichloroethane	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	< 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	< 1.0	1.0
1,1,2-Trichloroethane	< 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-Dichloroethane	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1-Dichloroethene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**0.28**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-Dichloropropene	< 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	< 1.0	1.0
1,2,3-Trichlorobenzene	< 0.25	0.25	< 0.25	0.25	< 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-Trichloropropane	< 1.0	1.0	< 1.0	1.0	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,2,4-Trichlorobenzene	0.29	1.0	0.29	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
1,2,4-Trimethylbenzene	< 0.50	0.50	< 0.50	0.50	< 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-Dibromo-3-chloropropane	< 0.25	0.25	< 0.25	0.25	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
1,2-Dibromoethane	< 1.0	1.0	< 1.0	1.0	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,2-Dichlorobenzene	< 0.60	0.60	< 0.60	0.60	< 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-Dichloroethane	< 1.0	1.0	< 1.0	1.0	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60
1,2-Dichloropropane	< 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	< 1.0	1.0
1,3,5-Trimethylbenzene	< 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	< 1.0	1.0
1,3-Dichlorobenzene	< 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	< 1.0	1.0
1,3-Dichloropropane	< 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	< 1.0	1.0
1,4-Dichlorobenzene	< 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	< 1.0	1.0
1,4-dioxane	-	-	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100
2,2-Dichloropropane	< 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	< 1.0	1.0
2-Chlorotoluene	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 1.0	1.0	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
2-Hexanone (Methyl Butyl Ketone)	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 2.5	2.5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Isopropyltoluene	< 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	< 1.0	1.0
4-Chlorotoluene	< 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	< 1.0	1.0
4-Methyl-2-Pentanone	< 2.5	2.5	< 2.5	2.5	< 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	< 5.0	5.0	**3.2**	5.0	< 10	10	**4.6**	5.0	**3.2**	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Acrolein	< 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
Acrylonitrile	< 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
Benzene	**1.70**	0.70	**1.5**	0.70	**0.84**	0.70	**1.4**	0.70	**1.6**	0.70	**1.4**	0.70	**1.7**	0.70	**1.6**	0.70
Bromobenzene	< 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	< 1.0	1.0
Bromochloromethane	< 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	< 1.0	1.0
Bromodichloromethane	< 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	< 1.0	1.0
Bromoform	< 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
Bromomethane	< 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	< 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	< 1.0	1.0
Carbon tetrachloride	< 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	< 1.0	1.0
Chlorobenzene	< 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	< 5.0	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	< 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
Chloromethane	< 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	**5.40**	1.0	**1.8**	1.0	**13**	1.0	**1.1**	1.0	**130**	10	**1.1**	1.0	**0.38**	1.0	**14**	1.0
cis-1,3-Dichloropropene	< 0.40	0.40	< 0.40	0.40	< 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	< 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	< 1.0	1.0
Dibromomethane	< 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	< 1.0	1.0
Dichlorodifluoromethane	< 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	< 1.0	1.0
Ethylbenzene	< 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	< 1.0	1.0
Hexachlorobutadiene	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	< 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	< 1.0	1.0
m&p-Xylenes	< 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	< 1.0	1.0
Methyl Ethyl Ketone (2-Butanone)	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Methyl t-butyl ether (MTBE)	**0.38**	1.0	**0.4**	1.0	< 1.0	1.0	**0.43**	1.0	**0.45**	1.0	**0.49**	1.0	**0.42**	1.0	**0.55**	1.0
Methylene chloride	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0
Naphthalene	< 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	< 1.0	1.0
Tert-butyl alcohol	< 50	50	< 50	50	< 50	50	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Butylbenzene	< 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	< 1.0	1.0
n-Propylbenzene	< 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	< 1.0	1.0
o-Xylene	< 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	< 1.0	1.0
p-Isopropyltoluene	< 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	< 1.0	1.0
sec-Butylbenzene	< 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	< 1.0	1.0
Styrene	< 1.0	1.0	< 1.0	1.0	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50
tert-Butylbenzene	< 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	< 1.0	1.0
Tetrachloroethene	< 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	< 1.0	1.0
Tetrahydrofuran (THF)	< 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
Toluene	< 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	< 1.0	1.0
trans-1,2-Dichloroethene	**2.10**	5.0	**2.4**	5.0	**0.84**	5.0	**1.6**	5.0	**3.4**	5.0	**1.5**	5.0	**0.59**	5.0	**0.63**	5.0
trans-1,3-Dichloropropene	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Trichloroethene	< 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	< 1.0	1.0
Trichlorofluoromethane	< 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	< 1.0	1.0
Trichlorotrifluoroethane	< 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	< 1.0	1.0
Vinyl Chloride	**17**	1.0	**0.66**	1.0	**7.9**	1.0	< 1.0	1.0	**200**	10	**0.26**	1.0	**0.48**	1.0	**15**	1.0
CVOCs	24.79		5.15		21.74		2.70		333.68		2.86		1.45		29.63	
PVOCs	2.1		5.1		0.84		6.43		5.25		1.89		2.12		2.15	
Total VOCs	26.87		10.25		22.58		9.13		338.93		4.75		3.57		31.78	

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

Graph 2
15MW2 VOCs
34-11 Beach Channel Drive, Queens NY
December 2015 - December 2020



	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	6/28/2019	12/12/2019	6/30/2020	12/14/2020
CVOCs	1,998.00	270.50	182.60	62.50	11.70	12.00	926.40	65.90	33.27	17.96	2.47	8.81	2.10	1.00	0.00	0.83
PVOCs	0.0	2.0	1.5	2.0	0.7	42,660.0	17.0	0.7	9.4	18.9	6.3	13.9	4.55	0.58	0.81	0.61
Total VOCs	1,998.00	272.46	184.11	64.48	12.44	42,672.00	943.40	66.63	42.67	36.90	8.74	22.66	6.65	1.58	0.81	1.44

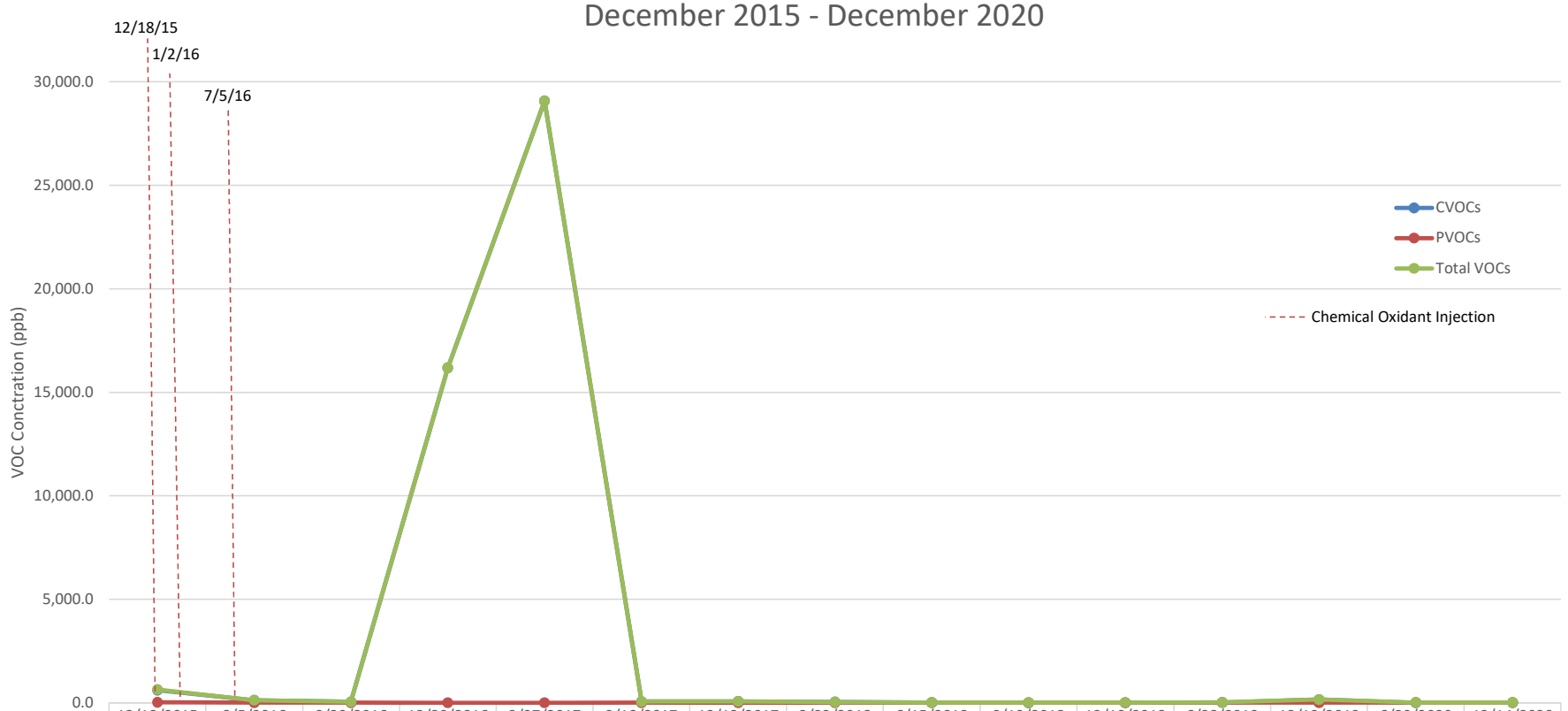
TABLE 1B
34-11 Beach Channel Drive Site
34-11 Beach Channel Drive, Far Rockaway, New York
Groundwater Analytical Results
Volatile Organic Compounds
15MW2

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	
	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
1,1,1,2-Tetrachlorothane	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
1,1,1-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
1,1,2,2-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
1,1,2-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
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
1,1-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
1,1-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
1,2,3-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
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
1,2,4-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
1,2,4-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
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
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
1,2-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
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
1,2-Dichloropropane	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
1,3,5-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
1,3-Dichlorobenzene	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	**4.40**	1.0	< 1.0	1.0	< 5.0	5.0	< 3.0	3.0	< 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
1,4-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
1,4-dioxane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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
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-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
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
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
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
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
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
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
Benzene	1	< 5.0	5.0	1.10	0.70	**0.80**	0.70	**0.77**	7.0	**0.74**	0.70	< 5.1	5.0	< 1.3	1.3	**0.38**	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
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
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
Bromoform		< 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
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
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
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
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
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
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
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
cis-1,2-Dichloroethene	5	**1400**	5.0	**25**	1.0	**18**	1.0	**10**	5.0	**5.50**	1.0	**12**	20	**440**	20	**25**	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
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
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
Dichlorodifluoromethane	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
Ethylbenzene	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**4600**	400	< 5.0	5.0	< 1.0	1.0
Hexachlorobutadiene	0.5	< 5.0	5.0	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 4.0	4.0	< 1.0	1.0	< 0.50	0.50
Isopropylbenzene	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**28**	20	< 5.0	5.0	< 1.0	1.0
m&p-Xylenes	5	< 20	20	< 1.0	1.0	< 1.0	1.0	0.26	1.0	< 1.0	1.0	**28,000**	######	< 5.0	5.0	**0.39**	1.0
Methyl Ethyl Ketone (2-Butanone)		< 50	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 50	50	< 13	13	**3**	2.5
Methyl t-butyl ether (MTBE)	10	< 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
Methylene chloride	5	< 20	20	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 20	20	< 5.0	5.0	< 3.0	3.0
Naphthalene	10	< 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
Tert-butyl alcohol		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	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
n-Propylbenzene	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
o-Xylene	5	< 5.0	5.0	**0.86**	1.0	**0.71**	1.0	**0.95**	1.0	< 1.0	1.0	**10,000**	400	< 5.0	5.0	**0.34**	1.0
p-Isopropyltoluene		< 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
sec-Butylbenzene	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
Styrene	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
tert-Butylbenzene	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
Tetrachloroethene	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
Tetrahydrofuran (THF)		< 50	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 50	50	< 25	25	< 5.0	5.0
Toluene	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**32**	20	< 5.0	5.0	< 1.0	1.0
trans-1,2-Dichloroethene	5	**14**	5.0	**5.50**	5.0	**4.60**	5.0	**5.10**	5.0	**5.10**	5.0	< 5.0	5.0	**6.40**	25	**1.9**	5.0
trans-1,3-Dichloropropene	0.4	< 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
trans-1,4-dichloro-2-butene	5	< 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
Trichloroethene	5	**14**	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
Trichlorofluoromethane	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
Trichlorotrifluoroethane		< 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
Vinyl Chloride	2	**570**	5.0	**240**	20	**160**	10	**43**	2.0	**1.10**	1.0	< 5.0	5.0	**480**	20	**39**	20
CVOCs		1,998.00		270.50		182.60		62.50		11.70		12.00		926.40		65.90	
PVOCs		0.0		2.0		1.5		2.0		0.7		42,660.0		17.0		0.7	
Total VOCs		1,998.00		272.46		184.11		64.48		12.44		42,672.00		943.40		66.63	

Compound	15MW2 3/23/2018		6/15/2018		9/19/2018		12/10/2018		6/28/2019		12/12/2019		6/30/2020		12/14/2020	
	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
1,1,1,2-Tetrachlorothane	< 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	< 1.0	1.0
1,1,1-Trichloroethane	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	< 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	< 1.0	1.0
1,1,2-Trichloroethane	< 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-Dichloroethane	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1-Dichloroethene	< 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	< 1.0	1.0
1,1-Dichloropropene	< 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	< 1.0	1.0
1,2,3-Trichlorobenzene	< 0.25	0.25	< 0.25	0.25	< 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-Trichloropropane	< 1.0	1.0	< 1.0	1.0	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,2,4-Trichlorobenzene	< 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	< 1.0	1.0
1,2,4-Trimethylbenzene	< 0.50	0.50	< 0.50	0.50	< 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-Dibromo-3-chloropropane	< 0.25	0.25	< 0.25	0.25	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
1,2-Dibromoethane	< 1.0	1.0	< 1.0	1.0	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,2-Dichlorobenzene	< 0.60	0.60	< 0.60	0.60	< 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-Dichloroethane	< 1.0	1.0	< 1.0	1.0	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60
1,2-Dichloropropane	< 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	< 1.0	1.0
1,3,5-Trimethylbenzene	< 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	< 1.0	1.0
1,3-Dichlorobenzene	< 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	< 1.0	1.0
1,3-Dichloropropane	< 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	< 1.0	1.0
1,4-Dichlorobenzene	< 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	< 100	100	< 100	100	< 100	100	< 100	100
2,2-Dichloropropane	< 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	< 1.0	1.0
2-Chlorotoluene	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 1.0	1.0	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
2-Hexanone (Methyl Butyl Ketone)	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 2.5	2.5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Isopropyltoluene	< 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	< 1.0	1.0
4-Chlorotoluene	< 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
4-Methyl-2-Pentanone	< 13	13	< 2.5	2.5	< 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	< 5.0	5.0	**15**	5.0	< 10	10	**8.9**	5.0	**3.9**	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Acrolein	< 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
Acrylonitrile	< 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
Benzene	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	**0.35**	0.70	**0.65**	0.70	**0.58**	0.70	**0.81**	0.70	**0.61**	0.70
Bromobenzene	< 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	< 1.0	1.0
Bromochloromethane	< 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	< 1.0	1.0
Bromodichloromethane	< 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	< 1.0	1.0
Bromoform	< 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
Bromomethane	< 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	< 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	< 1.0	1.0
Carbon tetrachloride	< 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	< 1.0	1.0
Chlorobenzene	< 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	< 5.0	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	< 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
Chloromethane	< 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	**5.9**	1.0	**3.7**	1.0	**0.87**	1.0	**2.5**	1.0	**0.77**	1.0	**0.64**	1.0	< 1.0	1.0	**0.49**	1.0
cis-1,3-Dichloropropene	< 0.40	0.40	< 0.40	0.40	< 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	< 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	< 1.0	1.0
Dibromomethane	< 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	< 1.0	1.0
Dichlorodifluoromethane	< 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	< 1.0	1.0
Ethylbenzene	< 1.0	1.0	**0.35**	1.0	**0.67**	1.0	**0.36**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Hexachlorobutadiene	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	< 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	< 1.0	1.0
m&p-Xylenes	**0.54**	1.0	**1.1**	1.0	**2.7**	1.0	**1.4**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methyl Ethyl Ketone (2-Butanone)	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Methyl t-butyl ether (MTBE)	< 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	< 1.0	1.0
Methylene chloride	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0
Naphthalene	**1.5**	1.0	**1.7**	1.0	**1.2**	1.0	**1.9**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tert-butyl alcohol	< 50	50	< 50	50	< 50	50	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Butylbenzene	< 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	< 1.0	1.0
n-Propylbenzene	< 1.0	1.0	< 1.0	1.0	**1.7**	1.0	**0.94**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
o-Xylene	**0.36**	1.0	**0.79**	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
p-Isopropyltoluene	< 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	< 1.0	1.0
sec-Butylbenzene	< 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	< 1.0	1.0
Styrene	< 1.0	1.0	< 1.0	1.0	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50
tert-Butylbenzene	< 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	< 1.0	1.0
Tetrachloroethene	< 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	< 1.0	1.0
Tetrahydrofuran (THF)	**7**	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
Toluene	< 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	< 1.0	1.0
trans-1,2-Dichloroethene	**0.37**	5.0	**0.26**	5.0	< 5.0	5.0	**0.31**	5.0	**0.42**	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
trans-1,3-Dichloropropene	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Trichloroethene	< 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	< 1.0	1.0
Trichlorofluoromethane	< 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	< 1.0	1.0
Trichlorotrifluoroethane	< 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	< 1.0	1.0
Vinyl Chloride	**27**	1.0	**14**	1.0	**1.6**	1.0	**6**	1.0	**0.91**	1.0	**0.36**	1.0	< 1.0	1.0	**0.34**	1.0
CVOCs	33.27		17.96		2.47		8.81		2.10		1.00		0.00		0.83	
PVOCs	9.4		18.9		6.3		13.9		4.55		0.58		0.81		0.61	
Total VOCs	42.67		36.90		8.74		22.66		6.65		1.58		0.81		1.44	

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

Graph 3
15MW3 VOCs
34-11 Beach Channel Drive, Queens NY
December 2015 - December 2020



	12/18/2015	8/5/2016	9/20/2016	12/20/2016	3/27/2017	9/18/2017	12/13/2017	3/23/2018	6/15/2018	9/19/2018	12/10/2018	6/28/2019	12/12/2019	6/30/2020	12/14/2020
CVOCs	611.0	122.3	43.0	16,177.0	29,075.0	54.30	70.0	28.04	11.24	3.84	5.90	9.52	148.00	0.00	2.01
PVOCs	27.3	0.5	3.5	0.0	0.0	5.75	0.0	0.60	3.53	2.93	3.98	10.50	2.90	7.48	6.40
Total VOCs	638.3	122.8	46.4	16,177.0	29,075.0	60.05	70.0	28.64	14.77	6.77	9.88	20.02	150.90	7.48	8.41

Date

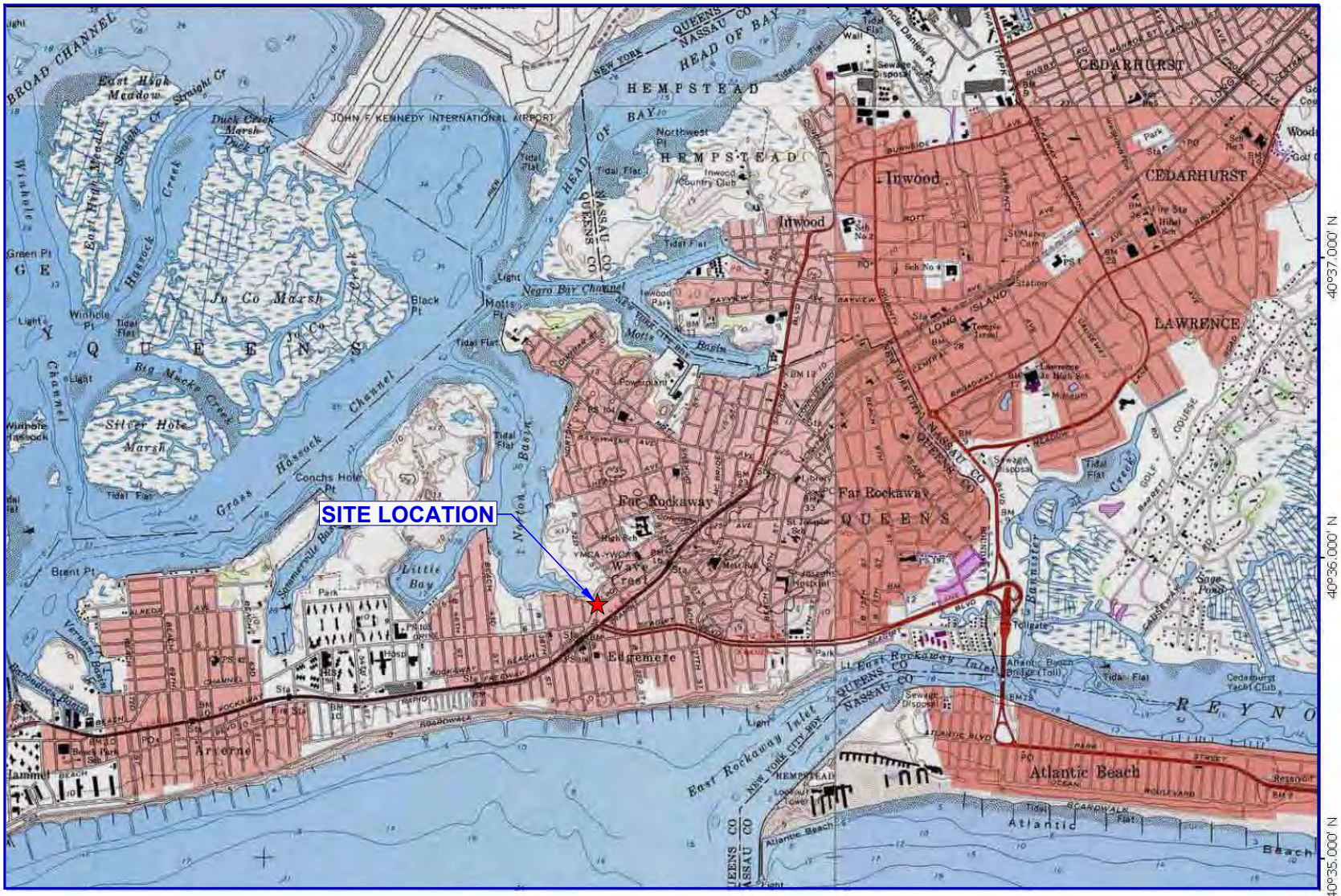
TABLE 1C

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		6/28/2019		12/12/2019		6/30/2020		12/14/2020	
		µg/L		µg/L		µg/L		µg/L		µg/L		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	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane	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	< 1.0	1.0	< 5.0	5.0	< 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	< 5.0	5.0	< 5.0	5.0	< 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	< 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	< 1.0	1.0	< 5.0	5.0	< 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	< 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	< 1.0	1.0	< 2.5	2.5	< 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	< 5.0	5.0	< 5.0	5.0	< 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	< 1.0	1.0	< 5.0	5.0	< 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	< 1.0	1.0	< 5.0	5.0	< 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	< 1.0	1.0	< 10	10	< 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	< 0.25	0.25	< 2.5	2.5	< 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	< 1.0	1.0	< 10	10	< 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	< 1.0	1.0	< 5.0	5.0	< 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	< 0.50	0.50	< 5.0	5.0	< 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	< 0.25	0.25	< 2.5	2.5	< 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	< 1.0	1.0	< 4.7	4.7	< 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	< 0.60	0.60	< 5.0	5.0	< 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	< 1.0	1.0	< 2.5	2.5	< 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	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichlorobenzene	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	< 1.0	1.0	< 3.0	3.0	< 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	< 1.0	1.0	< 5.0	5.0	< 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	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
1,4-dioxane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 100	100	< 100	100	< 100	100	< 100	100	< 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	< 1.0	1.0	< 5.0	5.0	< 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	< 2.5	2.5	< 25	25	< 2.5	2.5	< 2.5	2.5
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	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
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	< 1.0	1.0	< 5.0	5.0	< 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	< 1.0	1.0	< 5.0	5.0	< 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	< 2.5	2.5	< 25	25	< 2.5	2.5	< 2.5	2.5
Acetone		15	25	< 5.0	5.0	2.7	5.0	< 50	50	< 50	50	-	-	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	2.8	5.0	< 10	10	3.4	5.0	9.2	5.0	< 50	50	5.1	5.0	5.3	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	< 5.0	5.0	< 25	25	< 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	< 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	1.3	0.70	< 2.5	2.5	2.1	0.70	1.1	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	< 1.0	1.0	< 5.0	5.0	< 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	< 1.0	1.0	< 5.0	5.0	< 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	< 1.0	1.0	< 10	10	< 1.0	1.0	< 1.0	1.0
Bromoform		< 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	< 5.0	5.0	< 50	50	< 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	< 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	< 1.0	1.0	2.9	10	< 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	< 1.0	1.0	< 5.0	5.0	< 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	< 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	< 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	< 5.0	5.0	< 7.0	7.0	< 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	< 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	1.0	11,000	100	21,000	250	-	-	29	20	26	1.0	9	1.0	6	1.0	1.4	1.0	3.3	1.0	6.3	1.0	95	10	< 1.0	1.0	1.2	1.0
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	< 0.40	0.40	< 2.5	2.5	< 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	< 1.0	1.0	< 10	10	< 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	< 1.0	1.0	< 5.0	5.0	< 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	< 1.0	1.0	< 5.0	5.0	< 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	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
Hexachlorobutadiene	0.5	< 2.5	2.5	< 0.50	0.50	< 0.50	0.50	< 4.0	4.0	< 4.0	4.0	-	-	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 2.0	2.0	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	-	-	0.27	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	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
m&p-Xylenes	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 20	20	< 20	20	-	-	0.33	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	< 10	10	< 1.0	1.0	< 1.0	1.0
Methyl Ethyl Ketone (2-Butanone)		< 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	< 2.5	2.5	< 25	25	< 2.5	2.5	< 2.5	2.5
Methyl t-butyl ether (MTBE)	10	< 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	0.43	1.0	< 1.0	1.0	< 1.0	1.0	< 10	10	< 1.0	1.0	< 1.0	1.0
Methylene chloride	5	< 5.0	5.0	< 3.0	3.0	< 3.0	3.0	< 20	20	< 20	20	-	-	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 5.0	5.0	< 3.0	3.0	< 3.0	3.0
Naphthalene	10	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 20	20	< 20	20	-	-	1.7	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	1.1	1.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
n-Butylbenzene	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	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
n-Propylbenzene	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	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
o-Xylene	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	-	-	0.34	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	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
p-Isopropyltoluene		< 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	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
sec-Butylbenzene	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	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
Styrene	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	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
Tert-butyl alcohol		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50
tert-Butylbenzene	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	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
Tetrachloroethene	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	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
Tetrahydrofuran (THF)		< 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	< 5.0	5.0	< 50	50	< 5.0	5.0	< 5.0	5.0
Toluene	5	2.5	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	< 1.0	1.0	< 5.0	5.0	0.28	1.0	< 1.0	1.0
trans-1,2-Dichloroethene	5	11	25	1	5.0	0.96	5.0	26	5.0	65	5.0	-	-	0.89	5.0	1	5.0	0.64	5.0	0.54	5.0	2.1	5.0	0.6	5.0	0.42	5.0	< 5.0	5.0	< 5.0	5.0	0.44	5.0
trans-1,3-Dichloropropene	0.4	< 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	< 0.40	0.40	< 2.5	2.5	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	5	< 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	< 2.5	2.5	< 25	25	< 2.5	2.5	< 2.5	2.5
Trichloroethene	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	1,200	100	2,300	50	-	-	< 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	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
Trichlorofluoromethane	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	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
Trichlorotrifluoroethane		< 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	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
Vinyl Chloride	2	150	20	49	10	18	1.0	3,900	100	5,600	50	-	-	24	20	43	20	18	1.0	5	1.0	0.34	1.0	2	1.0	2.8	1.0	53	10	< 1.0	1.0	0.37	1.0
CVOCs		611.0		122.3		43.0		16,177.0		29,075.0		-		54.30		70.0		28.04		11.24		3.84		5.90		9.52		148.00		0.00		2.01	
PVOCs		27.3		0.5		3.5		0.0		0.0		-		5.75		0.0		0.60		3.53		2.93		3.98		10.50		2.90		7.48		6.40	
Total VOCs		638.3		122.8		46.4		16,177.0		29,075.0		-		60.05		70.0		28.64		14.77		6.77		9.88		20.02		150.90		7.48		8.41	

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

FIGURES



EBC
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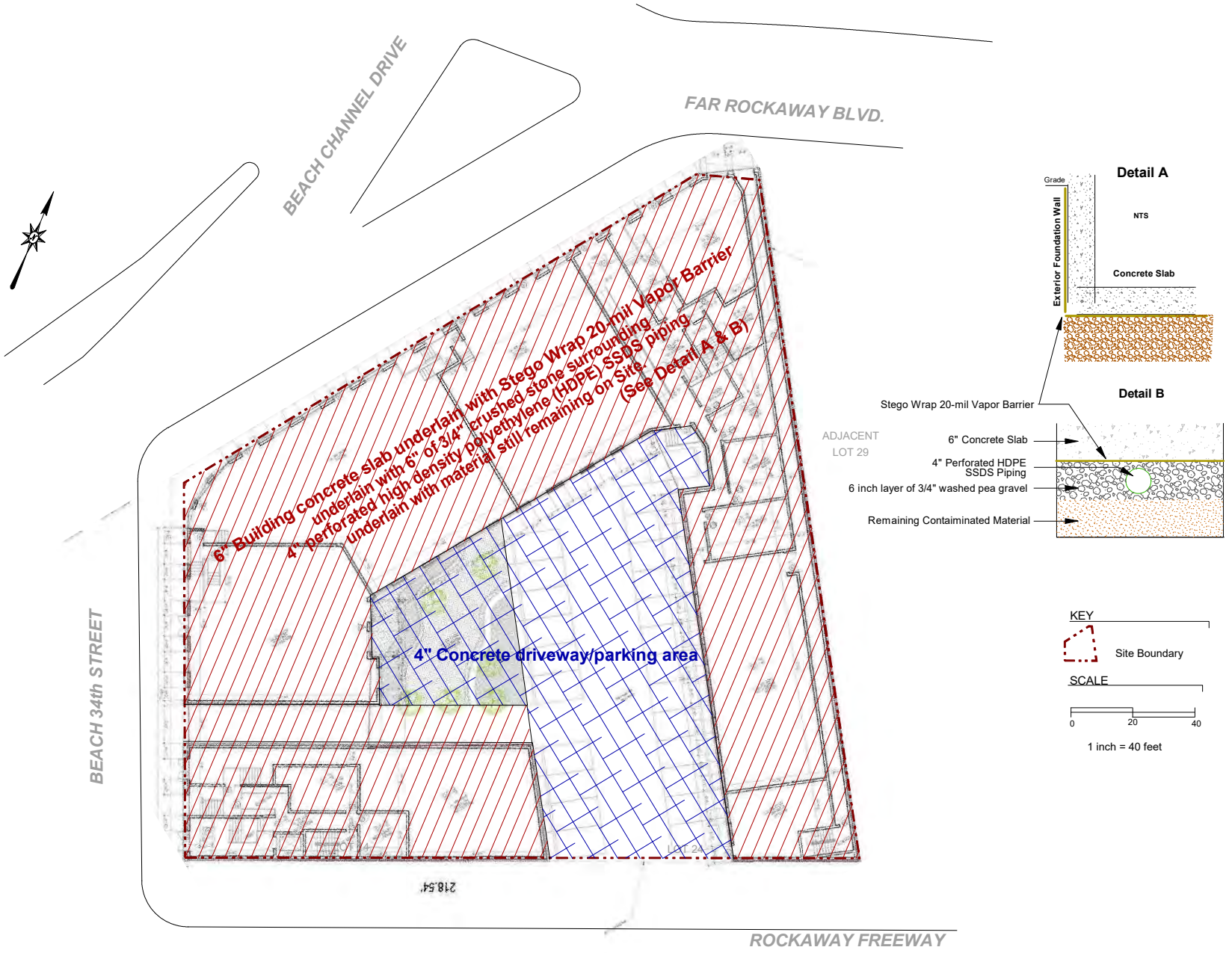
Phone 631.504.6000
Fax 631. 924 .2870

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



EBC
Environmental Business Consultants
Phone 631.504.6000
Fax 631. 924 .2870

Figure No. 2

Site Name: 34-11 Beach Channel Drive

Site Address: 34-11 Beach Channel Drive, Far Rockaway, NY

Drawing Title: Site Plan

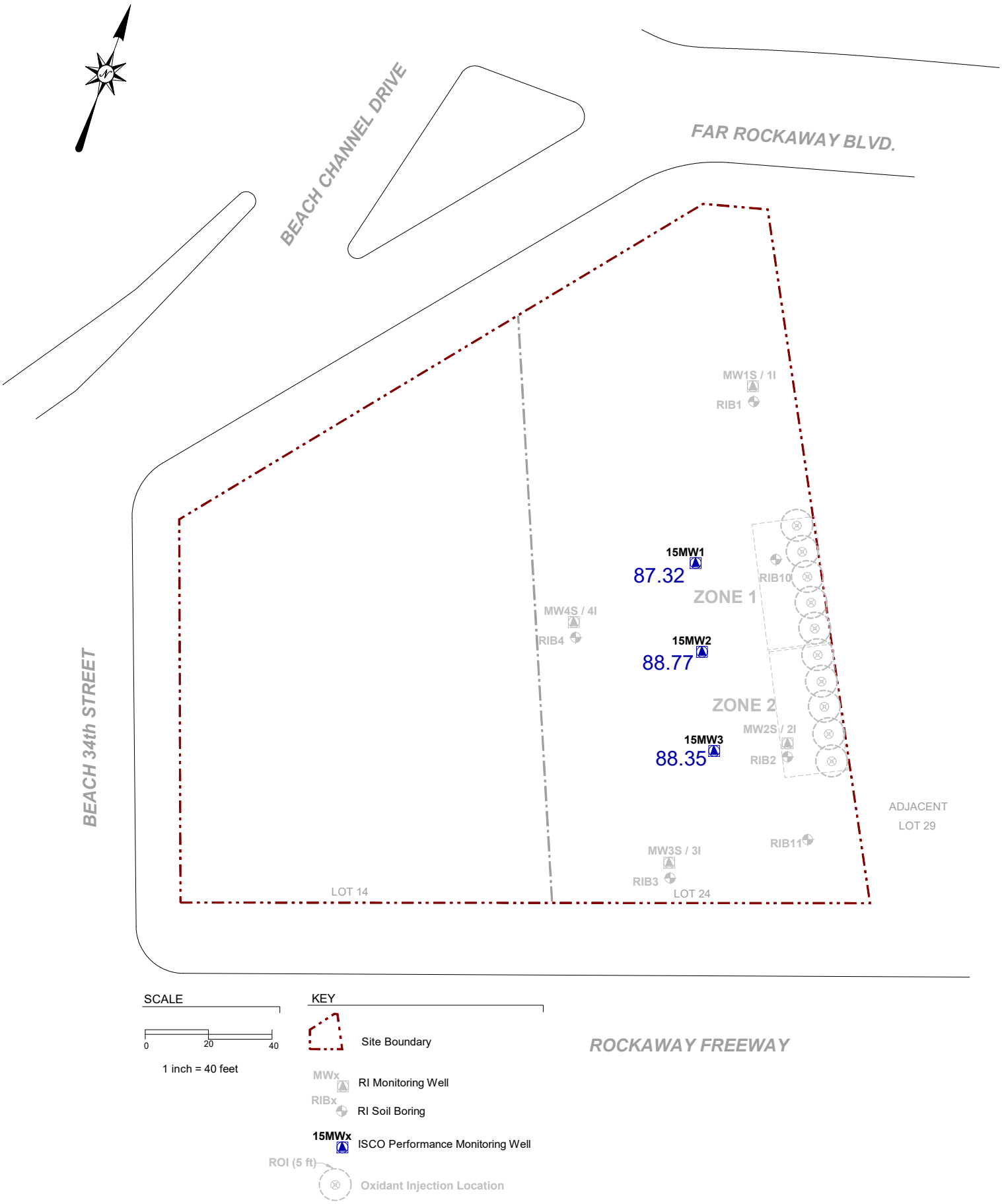


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Figure No. 3

Site Name: 34-11 Beach Channel Drive Site

Site Address: 34-11 Beach Channel Drive, Far Rockaway, NY

Drawing Title: Groundwater Elevation Map 1H2020 (Q2)

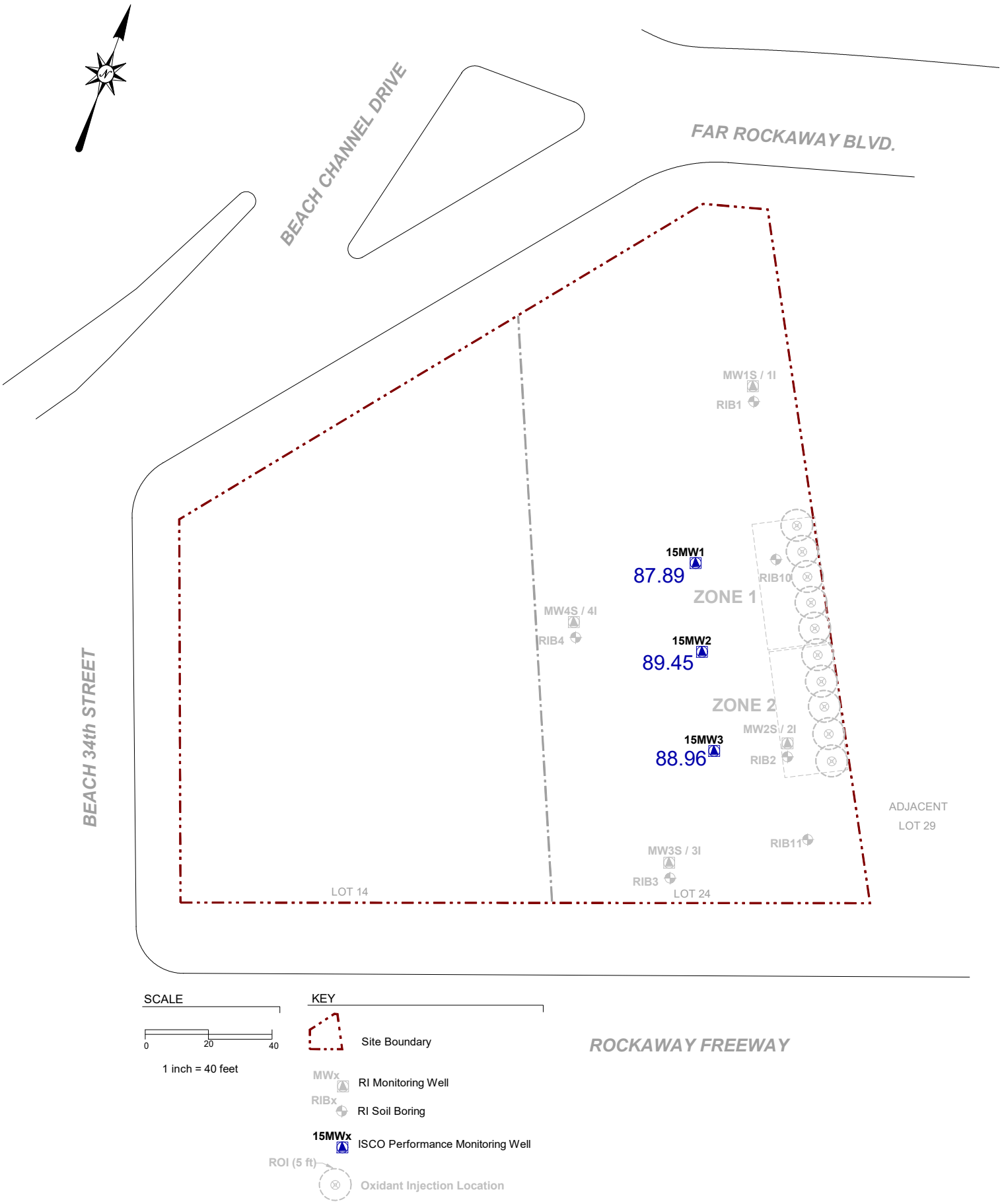

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Figure No. 4

Site Name: 34-11 Beach Channel Drive Site

Site Address: 34-11 Beach Channel Drive, Far Rockaway, NY

Drawing Title: Groundwater Elevation Map 2H2020 (Q4)

APPENDIX A
ANNUAL CHECKLISTS

SITE INSPECTION CHECKLIST

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

Date: 4/16/2021 Time: 12:45 PM

Inspector Name/Organization: Thomas Gallo / EBC

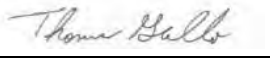
Physical Inspection of Fan- Check seal w/vent line, unusual noises and general condition of unit.

Zone 1 :	**yes**	**no**	Fan Model No. Manufacturer:
Operational?	X		RadonAway RP265
Observed Leaks at Seals?		X	
Air Flow at Exhaust Stack?	X		Other Comments / Observations
Vacuum Reading:	-0.8 "H2O		
Alarm Test:			
Alarm sound when fan off?	X		
Indicator lights when fan off?	X		

Zone 2 :	**yes**	**no**	Fan Model No. Manufacturer:
Operational?	X		RadonAway RP265
Observed Leaks at Seals?		X	
Air Flow at Exhaust Stack?	X		Other Comments / Observations
Vacuum Reading:	-2.0 "H2O		
Alarm Test:			
Alarm sound when fan off?	X		
Indicator lights when fan off?	X		

Repairs Needed and / or Maintenance at this time?

None

Signature:  Date: 4/16/2021

SITE INSPECTION CHECKLIST

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

Date: 4/16/2021 Time: 12:30 PM

Inspector Name/Organization: Thomas Gallo / EBC

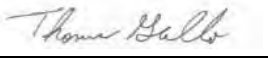
Physical Inspection of Fan- Check seal w/vent line, unusual noises and general condition of unit.

Zone 3 :	**yes**	**no**	Fan Model No. Manufacturer:
Operational?	X		RadonAway RP265
Observed Leaks at Seals?		X	
Air Flow at Exhaust Stack?	X		Other Comments / Observations
Vacuum Reading:	-2.0 "H2O		
Alarm Test:			
Alarm sound when fan off?	X		
Indicator lights when fan off?	X		

Zone 4 :	**yes**	**no**	Fan Model No. Manufacturer:
Operational?	X		RadonAway RP265
Observed Leaks at Seals?		X	
Air Flow at Exhaust Stack?	X		Other Comments / Observations
Vacuum Reading:	-2.0 "H2O		
Alarm Test:			
Alarm sound when fan off?	X		
Indicator lights when fan off?	X		

Repairs Needed and / or Maintenance at this time?

None

Signature:  Date: 4/16/2021

SITE INSPECTION CHECKLIST

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

Date: 4/16/2021 Time: 12:10 PM

Inspector Name/Organization: Thomas Gallo / EBC

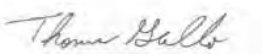
Physical Inspection of Fan- Check seal w/vent line, unusual noises and general condition of unit.

Zone 5 :	**yes**	**no**	Fan Model No. Manufacturer:
Operational?	X		RadonAway RP265
Observed Leaks at Seals?		X	
Air Flow at Exhaust Stack?	X		Other Comments / Observations
Vacuum Reading:	-2.0 "H2O		
Alarm Test:			
Alarm sound when fan off?	X		
Indicator lights when fan off?	X		

Zone 6 :	**yes**	**no**	Fan Model No. Manufacturer:
Operational?	X		RadonAway RP265
Observed Leaks at Seals?		X	
Air Flow at Exhaust Stack?	X		Other Comments / Observations
Vacuum Reading:	-2.0 "H2O		
Alarm Test:			
Alarm sound when fan off?	X		
Indicator lights when fan off?	X		

Repairs Needed and / or Maintenance at this time?

None

Signature:  Date: 4/16/2021

SITE INSPECTION CHECKLIST

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

Date: 4/16/2021 Time: 12:00 PM

Inspector Name/Organization: Thomas Gallo / EBC

Visual Inspection of Building's Concrete Slab

Building Interior Inspect concrete slab for cracks, perforations, patching

Describe General Condition of slab: Good condition

Describe and Cracks or New Penetrations: None

Describe any patching: No patching noted

Visual Inspection of Sidewalks/Paved Areas

Building Exterior Inspect concrete slab for cracks, perforations, patching

Describe General Condition of slab: Good condition

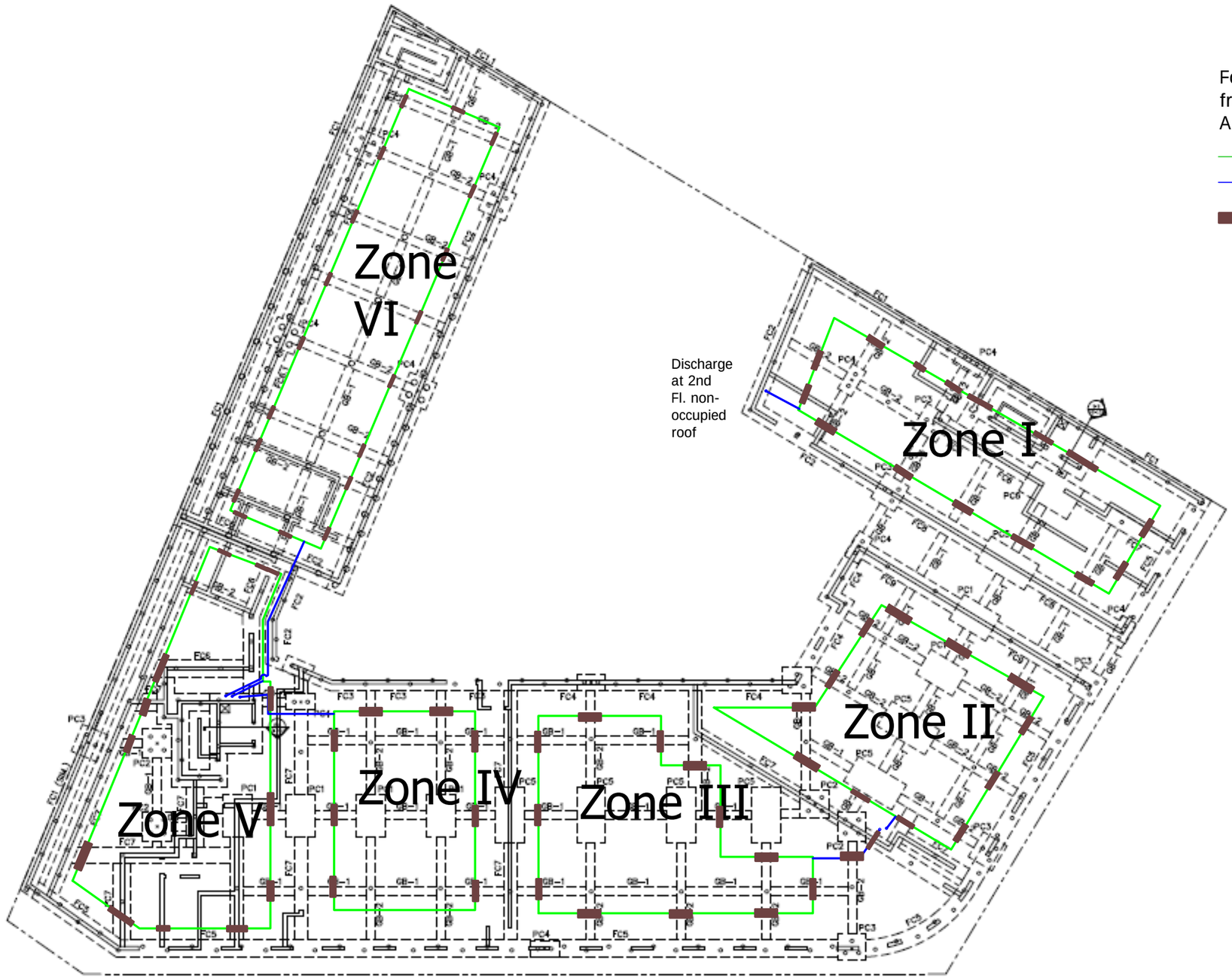
Describe and Cracks or New Penetrations: None

Describe any patching: No patching noted

Repairs Needed and / or Maintenance at this time?

None

Signature: Thomas Gallo Date: 4/16/2021



Foundation plan obtained from FO-001 from Aufgang Architect

- 4" HDPE CORRUGATED PIPE
- 4" Cast Iron (6" Riser)
- 4" PVC Sleeve cast on Gradebeam - Obtain approval from Structural engineer. Extend 6" on each side of gradebeam for proper coupling to vent pipe.

No	Revision/Issue	Date

AMC ENGINEERING PLLC
99 Jericho Tpke., Ste300J
Jericho, NY 11753
516 417-8588

PROJECT
BEACH CHANNEL
SENIOR HOUSING
34-11 Beach Channel Dr.
QUEENS, NY
B 15950 L 14-24

TITLE:
SUBSLAB DEPRESSURIZATION SYSTEM DESIGN

DATE: 8/7/15
PROJECT No:
DRAWING BY: AC
CHK BY:
DWG No:
ENV-001
CADO FILE No:

APPENDIX B
LABORATORY REPORTS

2020 Q2

PHOENIX
Environmental Laboratories, Inc.

Thursday, July 09, 2020

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
SDG ID: GCG25989
Sample ID#s: CG25989 - CG25992

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 are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: Environmental Business Consultants

Project: 34-11 BEACH CHANNEL DR

Laboratory Project: GCG25989

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

July 09, 2020 **SDG I.D.: GCG25989**

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.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

July 09, 2020 **SDG I.D.: GCG25989**

Environmental Business Consultants 34-11 BEACH CHANNEL DR

Laboratory Chronicle

The samples in this delivery group were received at 2.4°C.

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
CG25989	1,4-dioxane	06/30/20	07/02/20	07/02/20	HM	Y
CG25989	Volatiles	06/30/20	07/02/20	07/02/20	HM	Y
CG25989	Volatiles	06/30/20	07/02/20	07/02/20	HM	Y
CG25990	1,4-dioxane	06/30/20	07/02/20	07/02/20	HM	Y
CG25990	Volatiles	06/30/20	07/02/20	07/02/20	HM	Y
CG25990	Volatiles	06/30/20	07/02/20	07/02/20	HM	Y
CG25991	1,4-dioxane	06/30/20	07/02/20	07/02/20	HM	Y
CG25991	Volatiles	06/30/20	07/02/20	07/02/20	HM	Y
CG25991	Volatiles	06/30/20	07/02/20	07/02/20	HM	Y
CG25992	1,4-dioxane	06/30/20	07/02/20	07/02/20	HM	Y
CG25992	Volatiles	06/30/20	07/02/20	07/02/20	HM	Y
CG25992	Volatiles	06/30/20	07/02/20	07/02/20	HM	Y

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

NY # 11301

SDG Comments

July 09, 2020

SDG I.D.: GCG25989

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

NY # 11301

Sample Id Cross Reference

July 09, 2020

SDG I.D.: GCG25989

Project ID: 34-11 BEACH CHANNEL DR

Client Id	Lab Id	Matrix
15MW1	CG25989	GROUND WATER
15MW2	CG25990	GROUND WATER
15MW3	CG25991	GROUND WATER
TB	CG25992	GROUND WATER

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 09, 2020

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	TB	06/30/20	13:25
Location Code:	EBC	Received by:	B	07/01/20	16:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCG25989
Phoenix ID: CG25989

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

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	07/02/20	HM	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	07/02/20	HM	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	07/02/20	HM	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	07/02/20	HM	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	07/02/20	HM	SW8260C	

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

Phoenix I.D.: CG25989

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
Acetone	ND		5.0	2.5	ug/L	1	07/02/20	HM	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	07/02/20	HM	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	07/02/20	HM	SW8260C	
Benzene	1.7		0.70	0.25	ug/L	1	07/02/20	HM	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
cis-1,2-Dichloroethene	0.38	J	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	07/02/20	HM	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	07/02/20	HM	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	07/02/20	HM	SW8260C	
Methyl t-butyl ether (MTBE)	0.42	J	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	07/02/20	HM	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	07/02/20	HM	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	07/02/20	HM	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
trans-1,2-Dichloroethene	0.59	J	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	07/02/20	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	07/02/20	HM	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Vinyl chloride	0.48	J	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	105				%	1	07/02/20	HM	70 - 130 %	
% Bromofluorobenzene	94				%	1	07/02/20	HM	70 - 130 %	
% Dibromofluoromethane	100				%	1	07/02/20	HM	70 - 130 %	

Ver 2

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

Phoenix I.D.: CG25989

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
% Toluene-d8	100			%	1	07/02/20	HM	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100	50	ug/l	1	07/02/20	HM	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	105			%	1	07/02/20	HM	70 - 130 %
% Bromofluorobenzene	94			%	1	07/02/20	HM	70 - 130 %
% Dibromofluoromethane	100			%	1	07/02/20	HM	70 - 130 %
% Toluene-d8	100			%	1	07/02/20	HM	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	07/02/20	HM	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	07/02/20	HM	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 (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
July 09, 2020
Reviewed and Released by: Maryam Taylor, Project Manager

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 09, 2020

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	TB	06/30/20	14:09
Location Code:	EBC	Received by:	B	07/01/20	16:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCG25989
Phoenix ID: CG25990

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	07/02/20	HM	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	07/02/20	HM	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	07/02/20	HM	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	07/02/20	HM	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	07/02/20	HM	SW8260C	

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

Phoenix I.D.: CG25990

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
Acetone	ND	5.0	2.5	ug/L	1	07/02/20	HM	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	07/02/20	HM	SW8260C	
Acrylonitrile	ND	5.0	2.5	ug/L	1	07/02/20	HM	SW8260C	
Benzene	0.81	0.70	0.25	ug/L	1	07/02/20	HM	SW8260C	
Bromobenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Bromodichloromethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Bromoform	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Bromomethane	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Carbon Disulfide	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Chlorobenzene	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Chloroethane	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Chloroform	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Chloromethane	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/02/20	HM	SW8260C	
Dibromochloromethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	07/02/20	HM	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	07/02/20	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Methylene chloride	ND	3.0	1.0	ug/L	1	07/02/20	HM	SW8260C	
Naphthalene	ND	1.0	1.0	ug/L	1	07/02/20	HM	SW8260C	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	07/02/20	HM	SW8260C	1
Toluene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/02/20	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	07/02/20	HM	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	106			%	1	07/02/20	HM	70 - 130 %	
% Bromofluorobenzene	92			%	1	07/02/20	HM	70 - 130 %	
% Dibromofluoromethane	103			%	1	07/02/20	HM	70 - 130 %	

Ver 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
% Toluene-d8	100			%	1	07/02/20	HM	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100	50	ug/l	1	07/02/20	HM	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	106			%	1	07/02/20	HM	70 - 130 %
% Bromofluorobenzene	92			%	1	07/02/20	HM	70 - 130 %
% Dibromofluoromethane	103			%	1	07/02/20	HM	70 - 130 %
% Toluene-d8	100			%	1	07/02/20	HM	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	07/02/20	HM	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	07/02/20	HM	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 (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
July 09, 2020
Reviewed and Released by: Maryam Taylor, Project Manager

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 09, 2020

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	TB	06/30/20	15:05
Location Code:	EBC	Received by:	B	07/01/20	16:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCG25989
Phoenix ID: CG25991

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

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	07/02/20	HM	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	07/02/20	HM	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	07/02/20	HM	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	07/02/20	HM	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	07/02/20	HM	SW8260C	

Ver 2

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

Phoenix I.D.: CG25991

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
Acetone	5.1	S	5.0	2.5	ug/L	1	07/02/20	HM	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	07/02/20	HM	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	07/02/20	HM	SW8260C	
Benzene	2.1		0.70	0.25	ug/L	1	07/02/20	HM	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	07/02/20	HM	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	07/02/20	HM	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	07/02/20	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	07/02/20	HM	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	07/02/20	HM	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	07/02/20	HM	SW8260C	1
Toluene	0.28	J	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	07/02/20	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	07/02/20	HM	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	104				%	1	07/02/20	HM	70 - 130 %	
% Bromofluorobenzene	93				%	1	07/02/20	HM	70 - 130 %	
% Dibromofluoromethane	103				%	1	07/02/20	HM	70 - 130 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
% Toluene-d8	99			%	1	07/02/20	HM	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100	50	ug/l	1	07/02/20	HM	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	104			%	1	07/02/20	HM	70 - 130 %
% Bromofluorobenzene	93			%	1	07/02/20	HM	70 - 130 %
% Dibromofluoromethane	103			%	1	07/02/20	HM	70 - 130 %
% Toluene-d8	99			%	1	07/02/20	HM	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	07/02/20	HM	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	07/02/20	HM	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 (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
July 09, 2020
Reviewed and Released by: Maryam Taylor, Project Manager

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 09, 2020

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	TB	06/30/20	
Location Code:	EBC	Received by:	B	07/01/20	16:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCG25989
Phoenix ID: CG25992

Project ID: 34-11 BEACH CHANNEL DR
Client ID: TB

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	07/02/20	HM	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	07/02/20	HM	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	07/02/20	HM	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	07/02/20	HM	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	07/02/20	HM	SW8260C	

Ver 2

Project ID: 34-11 BEACH CHANNEL DR
Client ID: TB

Phoenix I.D.: CG25992

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
Acetone	ND	5.0	2.5	ug/L	1	07/02/20	HM	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	07/02/20	HM	SW8260C	
Acrylonitrile	ND	5.0	2.5	ug/L	1	07/02/20	HM	SW8260C	
Benzene	ND	0.70	0.25	ug/L	1	07/02/20	HM	SW8260C	
Bromobenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Bromodichloromethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Bromoform	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Bromomethane	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Carbon Disulfide	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Chlorobenzene	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Chloroethane	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Chloroform	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Chloromethane	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/02/20	HM	SW8260C	
Dibromochloromethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	07/02/20	HM	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	07/02/20	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Methylene chloride	ND	3.0	1.0	ug/L	1	07/02/20	HM	SW8260C	
Naphthalene	ND	1.0	1.0	ug/L	1	07/02/20	HM	SW8260C	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	07/02/20	HM	SW8260C	1
Toluene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/02/20	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	07/02/20	HM	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	104			%	1	07/02/20	HM	70 - 130 %	
% Bromofluorobenzene	93			%	1	07/02/20	HM	70 - 130 %	
% Dibromofluoromethane	104			%	1	07/02/20	HM	70 - 130 %	

Ver 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
% Toluene-d8	100			%	1	07/02/20	HM	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100	50	ug/l	1	07/02/20	HM	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	104			%	1	07/02/20	HM	70 - 130 %
% Bromofluorobenzene	93			%	1	07/02/20	HM	70 - 130 %
% Dibromofluoromethane	104			%	1	07/02/20	HM	70 - 130 %
% Toluene-d8	100			%	1	07/02/20	HM	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	07/02/20	HM	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	07/02/20	HM	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	07/02/20	HM	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	07/02/20	HM	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 (preceeded 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:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
July 09, 2020
Reviewed and Released by: Maryam Taylor, Project Manager

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

July 09, 2020

QA/QC Data

SDG I.D.: GCG25989

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 536202 (ug/L), QC Sample No: CG25990 (CG25989, CG25990, CG25991, CG25992)											
Volatiles - Ground Water											
1,1,1,2-Tetrachloroethane	ND	1.0	111	111	0.0	118	92	24.8	70 - 130	30	
1,1,1-Trichloroethane	ND	1.0	96	99	3.1	111	84	27.7	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.50	105	105	0.0	111	92	18.7	70 - 130	30	
1,1,2-Trichloroethane	ND	1.0	101	104	2.9	112	89	22.9	70 - 130	30	
1,1-Dichloroethane	ND	1.0	95	96	1.0	105	81	25.8	70 - 130	30	
1,1-Dichloroethene	ND	1.0	93	95	2.1	102	81	23.0	70 - 130	30	
1,1-Dichloropropene	ND	1.0	92	95	3.2	103	82	22.7	70 - 130	30	
1,2,3-Trichlorobenzene	ND	1.0	111	113	1.8	122	93	27.0	70 - 130	30	
1,2,3-Trichloropropane	ND	1.0	101	103	2.0	118	93	23.7	70 - 130	30	
1,2,4-Trichlorobenzene	ND	1.0	114	119	4.3	125	96	26.2	70 - 130	30	
1,2,4-Trimethylbenzene	ND	1.0	109	111	1.8	123	92	28.8	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	1.0	107	105	1.9	114	92	21.4	70 - 130	30	
1,2-Dibromoethane	ND	1.0	105	108	2.8	118	93	23.7	70 - 130	30	
1,2-Dichlorobenzene	ND	1.0	107	110	2.8	115	91	23.3	70 - 130	30	
1,2-Dichloroethane	ND	1.0	104	103	1.0	110	89	21.1	70 - 130	30	
1,2-Dichloropropane	ND	1.0	101	104	2.9	109	88	21.3	70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	113	116	2.6	124	96	25.5	70 - 130	30	
1,3-Dichlorobenzene	ND	1.0	112	115	2.6	121	95	24.1	70 - 130	30	
1,3-Dichloropropane	ND	1.0	104	107	2.8	116	90	25.2	70 - 130	30	
1,4-Dichlorobenzene	ND	1.0	105	108	2.8	116	89	26.3	70 - 130	30	
1,4-dioxane	ND	100	102	112	9.3	115	85	30.0	70 - 130	30	
2,2-Dichloropropane	ND	1.0	108	103	4.7	121	76	45.7	70 - 130	30	r
2-Chlorotoluene	ND	1.0	112	116	3.5	123	94	26.7	70 - 130	30	
2-Hexanone	ND	5.0	96	102	6.1	107	91	16.2	70 - 130	30	
2-Isopropyltoluene	ND	1.0	117	120	2.5	126	99	24.0	70 - 130	30	
4-Chlorotoluene	ND	1.0	113	114	0.9	123	93	27.8	70 - 130	30	
4-Methyl-2-pentanone	ND	5.0	97	98	1.0	103	88	15.7	70 - 130	30	
Acetone	ND	5.0	84	83	1.2	103	79	26.4	70 - 130	30	
Acrolein	ND	5.0	117	118	0.9	78	104	28.6	70 - 130	30	
Acrylonitrile	ND	5.0	91	95	4.3	102	82	21.7	70 - 130	30	
Benzene	ND	0.70	104	105	1.0	110	90	20.0	70 - 130	30	
Bromobenzene	ND	1.0	110	114	3.6	118	94	22.6	70 - 130	30	
Bromochloromethane	ND	1.0	99	102	3.0	109	85	24.7	70 - 130	30	
Bromodichloromethane	ND	0.50	106	105	0.9	111	90	20.9	70 - 130	30	
Bromoform	ND	1.0	112	117	4.4	130	99	27.1	70 - 130	30	
Bromomethane	ND	1.0	73	78	6.6	49	42	15.4	70 - 130	30	m
Carbon Disulfide	ND	1.0	95	98	3.1	100	82	19.8	70 - 130	30	
Carbon tetrachloride	ND	1.0	93	96	3.2	103	80	25.1	70 - 130	30	
Chlorobenzene	ND	1.0	105	109	3.7	114	92	21.4	70 - 130	30	
Chloroethane	ND	1.0	77	81	5.1	79	64	21.0	70 - 130	30	m
Chloroform	ND	1.0	99	99	0.0	106	84	23.2	70 - 130	30	

QA/QC Data

SDG I.D.: GCG25989

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Chloromethane	ND	1.0	82	85	3.6	85	70	19.4	70 - 130	30	
cis-1,2-Dichloroethene	ND	1.0	96	95	1.0	109	82	28.3	70 - 130	30	
cis-1,3-Dichloropropene	ND	0.40	106	106	0.0	112	87	25.1	70 - 130	30	
Dibromochloromethane	ND	0.50	112	117	4.4	121	95	24.1	70 - 130	30	
Dibromomethane	ND	1.0	102	105	2.9	111	89	22.0	70 - 130	30	
Dichlorodifluoromethane	ND	1.0	98	99	1.0	85	84	1.2	70 - 130	30	
Ethylbenzene	ND	1.0	106	108	1.9	115	92	22.2	70 - 130	30	
Hexachlorobutadiene	ND	0.40	114	118	3.4	130	98	28.1	70 - 130	30	
Isopropylbenzene	ND	1.0	115	117	1.7	128	100	24.6	70 - 130	30	
m&p-Xylene	ND	1.0	108	112	3.6	119	94	23.5	70 - 130	30	
Methyl ethyl ketone	ND	5.0	91	92	1.1	96	81	16.9	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	86	88	2.3	105	75	33.3	70 - 130	30	r
Methylene chloride	ND	1.0	86	86	0.0	92	74	21.7	70 - 130	30	
Naphthalene	ND	1.0	110	113	2.7	123	99	21.6	70 - 130	30	
n-Butylbenzene	ND	1.0	114	117	2.6	127	97	26.8	70 - 130	30	
n-Propylbenzene	ND	1.0	109	111	1.8	121	91	28.3	70 - 130	30	
o-Xylene	ND	1.0	111	116	4.4	120	95	23.3	70 - 130	30	
p-Isopropyltoluene	ND	1.0	121	123	1.6	132	101	26.6	70 - 130	30	m
sec-Butylbenzene	ND	1.0	121	126	4.0	128	104	20.7	70 - 130	30	
Styrene	ND	1.0	117	122	4.2	127	100	23.8	70 - 130	30	
tert-butyl alcohol	ND	10	74	79	6.5	81	62	26.6	70 - 130	30	m
tert-Butylbenzene	ND	1.0	116	119	2.6	128	99	25.6	70 - 130	30	
Tetrachloroethene	ND	1.0	109	109	0.0	121	92	27.2	70 - 130	30	
Tetrahydrofuran (THF)	ND	2.5	91	93	2.2	103	82	22.7	70 - 130	30	
Toluene	ND	1.0	99	102	3.0	106	87	19.7	70 - 130	30	
trans-1,2-Dichloroethene	ND	1.0	95	97	2.1	99	82	18.8	70 - 130	30	
trans-1,3-Dichloropropene	ND	0.40	107	108	0.9	119	89	28.8	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	118	120	1.7	114	93	20.3	70 - 130	30	
Trichloroethene	ND	1.0	104	105	1.0	114	90	23.5	70 - 130	30	
Trichlorofluoromethane	ND	1.0	86	88	2.3	96	73	27.2	70 - 130	30	
Trichlorotrifluoroethane	ND	1.0	91	93	2.2	110	80	31.6	70 - 130	30	r
Vinyl chloride	ND	1.0	86	88	2.3	85	74	13.8	70 - 130	30	
% 1,2-dichlorobenzene-d4	103	%	100	100	0.0	100	99	1.0	70 - 130	30	
% Bromofluorobenzene	93	%	98	101	3.0	97	100	3.0	70 - 130	30	
% Dibromofluoromethane	100	%	96	97	1.0	99	100	1.0	70 - 130	30	
% Toluene-d8	99	%	97	96	1.0	96	98	2.1	70 - 130	30	

Comment:

A blank MS/MSD was analyzed with this batch.

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
July 09, 2020

Thursday, July 09, 2020

Criteria: NY: 375GWP, GW

State: NY

Sample Criteria Exceedances Report

GCG25989 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CG25989	$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	1.7	0.70	0.7	0.7	ug/L
CG25989	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CG25989	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CG25989	$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	1.7	0.70	1	1	ug/L
CG25989	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CG25990	$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	0.81	0.70	0.7	0.7	ug/L
CG25990	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CG25990	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CG25990	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CG25991	$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	2.1	0.70	0.7	0.7	ug/L
CG25991	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CG25991	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CG25991	$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	2.1	0.70	1	1	ug/L
CG25991	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CG25992	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CG25992	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CG25992	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

July 09, 2020

SDG I.D.: GCG25989

The samples in this delivery group were received at 2.4°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes ☑ No ☐
Coolant: IPK ☑ ICE ☐ No ☐

NY/NJ CHAIN OF CUSTODY RECORD

Temp 2.4°C Pg 1 of 1

PHOENIX *Environmental Laboratories, Inc.*

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
☐ Fax:
☐ Phone: 631-504-6000
☑ Email: File

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

Project: 34-11 Beach Channel Dr.
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: TONY BALADO Date: 7-1-20

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

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [x] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
25989	15MW1	GW	6/30	1:25	X				5						
25990	15MW2	"	6/30	2:09	X				5						
25991	15MW3	"	6/30	3:05	X				5						
25992	TB	"	—	—	X				2						

Relinquished by:	Accepted by:	Date:	Time:
		7-1-20	11:45
		7-1-20	16:30

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☑ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

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

Data Format
☐ Phoenix Std Report
☒ Excel
☒ PDF
☐ GIS/Key
☑ EQuIS
☐ NJ Hazsite EDD
☒ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☒ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

PEL 164 REV. 5/2020

2020 Q4

PHOENIX
Environmental Laboratories, Inc.

Tuesday, December 22, 2020

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**
SDG ID: **GCH31728**
Sample ID#s: CH31728 - CH31731

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 are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

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 # 11301

SDG Comments

December 22, 2020

SDG I.D.: GCH31728

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.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Sample Id Cross Reference

December 22, 2020

SDG I.D.: GCH31728

Project ID: 34-11 BEACH CHANNEL DR., QUEENS

Client Id	Lab Id	Matrix
15MW1	CH31728	GROUND WATER
15MW2	CH31729	GROUND WATER
15MW3	CH31730	GROUND WATER
TRIP BLANK	CH31731	GROUND WATER

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 22, 2020

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	AB	12/14/20	11:06
Location Code:	EBC	Received by:	LB	12/15/20	14:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCH31728
Phoenix ID: CH31728

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

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	12/19/20	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	12/19/20	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/19/20	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	12/19/20	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/19/20	MH	SW8260C	

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

Phoenix I.D.: CH31728

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	12/19/20	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	12/19/20	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	12/19/20	MH	SW8260C	
Benzene	1.6		0.70	0.25	ug/L	1	12/19/20	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
cis-1,2-Dichloroethene	14		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/19/20	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	12/19/20	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	12/19/20	MH	SW8260C	
Methyl t-butyl ether (MTBE)	0.55	J	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	12/19/20	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	12/19/20	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	12/19/20	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
trans-1,2-Dichloroethene	0.63	J	5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/19/20	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	12/19/20	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Vinyl chloride	15		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	103				%	1	12/19/20	MH	70 - 130 %	
% Bromofluorobenzene	96				%	1	12/19/20	MH	70 - 130 %	
% Dibromofluoromethane	103				%	1	12/19/20	MH	70 - 130 %	

Ver 1

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

Phoenix I.D.: CH31728

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98			%	1	12/19/20	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100	50	ug/l	1	12/19/20	MH	SW8260C
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	12/19/20	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	12/19/20	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	12/19/20	MH	SW8260C

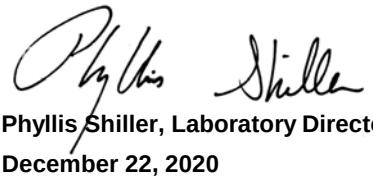
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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 (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
December 22, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 22, 2020

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	AB	12/14/20	11:06
Location Code:	EBC	Received by:	LB	12/15/20	14:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCH31728
Phoenix ID: CH31729

Project ID: 34-11 BEACH CHANNEL DR., QUEENS
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	12/19/20	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	12/19/20	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/19/20	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	12/19/20	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/19/20	MH	SW8260C	

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

Phoenix I.D.: CH31729

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	12/19/20	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	12/19/20	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	12/19/20	MH	SW8260C	
Benzene	0.61	J	0.70	0.25	ug/L	1	12/19/20	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
cis-1,2-Dichloroethene	0.49	J	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/19/20	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	12/19/20	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	12/19/20	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	12/19/20	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	12/19/20	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	12/19/20	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/19/20	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	12/19/20	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Vinyl chloride	0.34	J	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	102				%	1	12/19/20	MH	70 - 130 %	
% Bromofluorobenzene	98				%	1	12/19/20	MH	70 - 130 %	
% Dibromofluoromethane	104				%	1	12/19/20	MH	70 - 130 %	

Ver 1

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

Phoenix I.D.: CH31729

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99			%	1	12/19/20	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100	50	ug/l	1	12/19/20	MH	SW8260C
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	12/19/20	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	12/19/20	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	12/19/20	MH	SW8260C

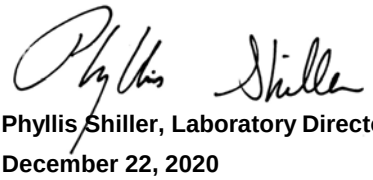
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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 (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
December 22, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 22, 2020

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	AB	12/14/20	11:06
Location Code:	EBC	Received by:	LB	12/15/20	14:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCH31728
Phoenix ID: CH31730

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

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	12/19/20	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	12/19/20	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/19/20	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	12/19/20	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/19/20	MH	SW8260C	

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

Phoenix I.D.: CH31730

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	5.3	S	5.0	2.5	ug/L	1	12/19/20	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	12/19/20	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	12/19/20	MH	SW8260C	
Benzene	1.1		0.70	0.25	ug/L	1	12/19/20	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
cis-1,2-Dichloroethene	1.2		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/19/20	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	12/19/20	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	12/19/20	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	12/19/20	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	12/19/20	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	12/19/20	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
trans-1,2-Dichloroethene	0.44	J	5.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/19/20	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	12/19/20	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
Vinyl chloride	0.37	J	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	104				%	1	12/19/20	MH	70 - 130 %	
% Bromofluorobenzene	95				%	1	12/19/20	MH	70 - 130 %	
% Dibromofluoromethane	101				%	1	12/19/20	MH	70 - 130 %	

Ver 1

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

Phoenix I.D.: CH31730

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98			%	1	12/19/20	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100	50	ug/l	1	12/19/20	MH	SW8260C
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/19/20	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	12/19/20	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	12/19/20	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	12/19/20	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 (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

S - Laboratory solvent, contamination is possible.

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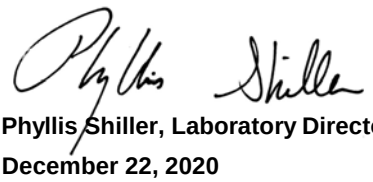


Phyllis Shiller, Laboratory Director
December 22, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 22, 2020

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	AB	12/14/20	11:06
Location Code:	EBC	Received by:	LB	12/15/20	14:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCH31728
Phoenix ID: CH31731

Project ID: 34-11 BEACH CHANNEL DR., QUEENS
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	12/16/20	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	12/16/20	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	12/16/20	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	12/16/20	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/16/20	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	12/16/20	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/16/20	MH	SW8260C	

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

Phoenix I.D.: CH31731

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	5.0	2.5	ug/L	1	12/16/20	MH	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	12/16/20	MH	SW8260C	
Acrylonitrile	ND	5.0	2.5	ug/L	1	12/16/20	MH	SW8260C	
Benzene	ND	0.70	0.25	ug/L	1	12/16/20	MH	SW8260C	
Bromobenzene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
Bromodichloromethane	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
Bromoform	ND	5.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
Bromomethane	ND	5.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
Carbon Disulfide	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
Chlorobenzene	ND	5.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
Chloroethane	ND	5.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
Chloroform	ND	5.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
Chloromethane	ND	5.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/16/20	MH	SW8260C	
Dibromochloromethane	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	12/16/20	MH	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	12/16/20	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
Methylene chloride	ND	3.0	1.0	ug/L	1	12/16/20	MH	SW8260C	
Naphthalene	ND	1.0	1.0	ug/L	1	12/16/20	MH	SW8260C	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	12/16/20	MH	SW8260C	1
Toluene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/16/20	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	12/16/20	MH	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	106			%	1	12/16/20	MH	70 - 130 %	
% Bromofluorobenzene	98			%	1	12/16/20	MH	70 - 130 %	
% Dibromofluoromethane	102			%	1	12/16/20	MH	70 - 130 %	

Ver 1

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

Phoenix I.D.: CH31731

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98			%	1	12/16/20	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100	50	ug/l	1	12/16/20	MH	SW8260C
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/16/20	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	12/16/20	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	12/16/20	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	12/16/20	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.

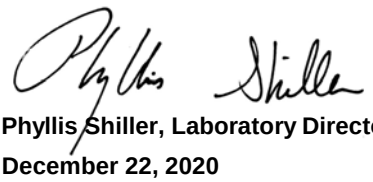
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
December 22, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Tuesday, December 22, 2020

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GCH31728 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CH31728	$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	1.6	0.70	0.7	0.7	ug/L
CH31728	$8260DP25R	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	15	1.0	2	2	ug/L
CH31728	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CH31728	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CH31728	$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	1.6	0.70	1	1	ug/L
CH31728	$8260DP25R	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	14	1.0	5	5	ug/L
CH31728	$8260DP25R	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	15	1.0	2	2	ug/L
CH31728	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CH31729	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CH31729	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CH31729	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CH31730	$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	1.1	0.70	0.7	0.7	ug/L
CH31730	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CH31730	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CH31730	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CH31730	$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	1.1	0.70	1	1	ug/L
CH31731	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CH31731	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CH31731	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

December 22, 2020

SDG I.D.: GCH31728

The samples in this delivery group were received at 2.0°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]
Temp 2.0°C Pg 1 of 1

PHOENIX
Environmental Laboratories, Inc.

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

Contact Options:
[ ] Fax:
[ ] Phone: 631-504-6000
[X] Email: F/L

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

Project: 34-11 BEACH CHANNEL Dr. Queens
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: Anthony BALDO Date: 12/14/20

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

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
31728	15MW1	GW	12/14	11:06	X				3						
31729	15MW2	GW	12/14	11:49	X				3						
31730	15MW3	GW	12/14	12:29	X				3						
31731	TRIP BLANKS	GW	—	—	X				2						

Relinquished by:	Accepted by:	Date:	Time:
		12.15.20	11.03
		12/15/20	1406

Comments, Special Requirements or Regulations:

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] 5 Days
[ ] 10 Days
[ ] Other
* SURCHARGE APPLIES

NJ
[ ] Res. Criteria
[ ] Non-Res. Criteria
[ ] Impact to GW Soil Cleanup Criteria
[ ] GW Criteria

NY
[X] NY 375 GWP
[ ] NY375 Unrestricted Use Soil
[ ] NY375 Residential Soil
[ ] Restricted/Residential
[ ] Commercial
[ ] Industrial

Data Format
[ ] Phoenix Std Report
[X] Excel
[X] PDF
[ ] GIS/Key
[X] EQuIS
[ ] NJ Hazsite EDD
[X] NY EZ EDD (ASP)
[ ] Other

Data Package
[ ] NJ Reduced Deliv. *
[X] NY Enhanced (ASP B) *
[ ] Other

State where samples were collected: NY

PEL 164 REV. 5/2020

APPENDIX C
GROUNDWATER PURGE LOGS

2020 Q2

GROUNDWATER PURGE / SAMPLE LOGS

34-11 Beach Channel Drive, Queens

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 15MW1

Date: 6/30/2020

Well Depth (from TOC): 29.4

Equipment: Peristaltic pump, horiba

Static Water Level (from TOC): 6.42

Height of Water in Well: 22.98

Gallons of Water per Well Volume: 0.77

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
12:55:00 PM	400ml/min	0	7.31	1.03	19.51	0.8	-54	700		Turbid, Brown
1:00:00 PM	400ml/min	0.5	7.21	1.02	19.55	0	-55	241		Turbid, Brown
1:05:00 PM	400ml/min	1	7.21	1.02	19.58	0	-87	190		Clear
1:10:00 PM	400ml/min	1.5	7.17	1.02	19.61	0	-88	125		Clear
1:15:00 PM	400ml/min	2	7.16	1.02	19.60	0	-90	50		Clear
1:20:00 PM	400ml/min	2.5	7.17	1.02	19.60	0	-91	38		collected sample

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS

34-11 Beach Channel Drive, Queens

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 15MW2

Date: 6/30/2020

Well Depth (from TOC): 28.6

Equipment: Peristaltic pump, horiba

Static Water Level (from TOC): 5.83

Height of Water in Well: 22.77

Gallons of Water per Well Volume: 0.76

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
1:35:00 PM	400ml/min	0	7.39	1.14	19.58	0.79	-51	514		Turbid, Brown
1:40:00 PM	400ml/min	0.5	7.30	1.14	19.67	0	-85	190		Clear
1:45:00 PM	400ml/min	1	7.28	1.15	19.88	0	-101	111		Clear
1:50:00 PM	400ml/min	1.5	7.21	1.16	19.90	0	-111	64		Clear
1:55:00 PM	400ml/min	2	7.2	1.15	19.91	0	-111	28		Clear
2:00:00 PM	400ml/min	2.5	7.2	1.15	19.91	0	-112	21		collected sample

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS

34-11 Beach Channel Drive, Queens

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 15MW3

Date: 6/30/2020

Well Depth (from TOC): 28.55

Equipment: Peristaltic pump, horiba

Static Water Level (from TOC): 5.75

Height of Water in Well: 22.8

Gallons of Water per Well Volume: 0.76

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
2:25:00 PM	400ml/min	0	7.77	1.62	19.55	0.39	-94	450		Turbid, Brown
2:30:00 PM	400ml/min	0.5	7.56	1.42	19.60	0	-99	212		Clear
2:35:00 PM	400ml/min	1	7.55	1.39	19.61	0	-104	101		Clear
2:40:00 PM	400ml/min	1.5	7.43	1.33	19.61	0	-106	62		Clear
2:45:00 PM	400ml/min	2	7.41	1.33	19.62	0	-106	43		Clear
2:50:00 PM	400ml/min	2.5	7.41	1.33	19.61	0	-105	22		collected sample

Note 400 ml = 0.11 gallons

2020 Q4

GROUNDWATER PURGE / SAMPLE LOGS

34-11 Beach Channel Drive, Queens

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 15mw1

Date: 12/14/2020

Well Depth (from TOC): 29.00'

Equipment: Peristaltic Pump, Horiba

Static Water Level (from TOC): 5.85

Height of Water in Well: 23.15

Gallons of Water per Well Volume: 2.94

Flow Rate: Manual

Time	Pump Rate	Gal. Removed	pH	Cond. (uS/cm)	Temp. (deg. F)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
10:25	390	0.0	7.16	3.67	15.28	4.33	-65	150		clear odorless
10:30		0.5	7.20	4.85	15.67	2.19	-89	43.1		clear Odorless
10:40		1.5	7.10	5.67	16.03	0.77	-96	14.1		clear odorless
10:50		2.5	7.09	5.65	16.07	0.59	-103	11.4		clear odorless
11:00		3.5	7.07	5.62	16.08	0.48	-108	8.6		clear odorless
11:05		4.0	7.07	5.66	16.04	0.39	-110	7.5		clear odorless

Comments:

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS

34-11 Beach Channel Drive, Queens

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 15mw3

Date: 12/14/2020

Well Depth (from TOC): ~~29.47~~ 28.70

Equipment: Peristaltic Pump, Horiba

Static Water Level (from TOC): ~~5.44~~ 5.15

Height of Water in Well: ~~24.19~~ 23.55

Gallons of Water per Well Volume: ~~2.99~~ 0.96

Flow Rate: Manual

Time	Pump Rate	Gal. Removed	pH	Cond. (uS/cm)	Temp. (deg. F)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
11:13	390 ml	0.0	7.57	1.47	15.42	2.64	-62	43.7		clear, odorless
11:23		1.0	7.59	1.68	16.68	0.51	-108	4.9		clear, odorless
11:33		2.0	7.58	1.71	16.77	0.58	-125	3.4		clear, odorless
11:43		3.0	7.58	1.71	16.76	0.26	-135	3.1		clear, odorless
11:48		3.5	7.59	1.71	16.80	0.24	-137	3.5		clear, odorless

Comments:

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS

34-11 Beach Channel Drive, Queens

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: 15mw3

Date: 12/14/2020

Well Depth (from TOC): 29.43

Equipment: Peristaltic Pump, Horiba

Static Water Level (from TOC): 5.14

Height of Water in Well: 24.19

Gallons of Water per Well Volume: 0.99

Flow Rate: Manual

Time	Pump Rate	Gal. Removed	pH	Cond. (uS/cm)	Temp. (deg. F)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
11:53	390	0.0	7.13	4.16	15.56	2.55	-61	145		clear, no odor
12:03		1.0	7.10	5.35	16.24	0.27	-107	16.7		-11-
12:13		2.0	7.09	5.02	15.96	0.21	-130	34.5		-11-
12:23		3.0	7.10	4.87	15.85	0.16	-148	9.6		-11-
12:28		3.5	7.10	4.82	15.85	0.15	-154	8.3		-11-

Comments:

Note 400 ml = 0.11 gallons