AMC Engineering, PLLC
18-36 42nd St
Astoria, NY 11105
Phone: (718) 545-0474

July 20, 2022

Richard Mustico
Assistant Engineer
Division of Environmental Remediation
Remedial Bureau B, Section B
625 Broadway, 12th Floor
Albany NY 12233-7016
richard.mustico1@dec.ny.gov

RE: Corrective Measures Work Plan – V2
C224217 – Tomat Service Station
1815 Ocean Avenue
Brooklyn, New York

Dear Mr. Mustico:

This Corrective Measures Work Plan (CMWP) has been prepared to address a non-conformance to the IC/EC during the periodic inspection at the subject site.

During the inspection of the ECs it was revealed that the Leg 2 of the Air Sparge system is not registering any pressure in any of the air sparging (AS) points, likely indicating the there is a leak in the underground pipe leading to the AS points.

Corrective Measures Work Plan

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

- Diagnose the Air Sparge System to determine the cause of the loss of air pressure in Leg 2.
  - This likely will be done by snaking a camera through the AS pipe to try to identify the leak; which would not be penetrating the site cover.
- Repair the Air Sparge System and ensure the Air Sparge System is back in operation
  - If repair of the pipe is needed, then the excavation workplan as detailed in Appendix L of the SMP (Copy of which is attached herein) will be implemented.
  - Repair of the pipe will require exposing the pipe from the parking lot and possibly the cellar.
- Diagnose and repair valve on AS7; EBC was unable to access the stem of the globe valve, as it was sticking beyond the plane of the floor, and was cut to allow for the manhole to be put in place. We will reassess the location of the stem and replace the valve if needed. None of this work will require the removal of any soil or any excavation.
- Conduct a new sitewide inspection
- Prepare PRR and submit to NYSDEC
- A review of the pre- and post-carbon air sampling data indicates concentrations are generally the same. If the VOCs content of exhausted air exceeds the NYSDEC HAP threshold for VOCs, the carbon drums must be replaced, and the used drums should be properly disposed of[1].

1 1Q22 VOC emission was measured at 72.76 ug/m^3 (see Table 2 of 1Q22 sampling report). The report indicated the suction of the EN-707 blower was 17.5" WC vacuum. From the Blower performance curve, page 244 in attachment I of the SMP, at that vacuum the blower discharges ~270 SCFM. From the above, we calculate that the total VOCs emitted by the system is 1.09 grams/year, which is substantially less than the VOC emissions threshold for HAPs.

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Astoria, NY 11105
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Engineering Control / Institutional Control Inspection/Certification

Upon approval of this CMWP by NYSDEC, the Air Sparge System will be repaired immediately. An IC/EC Certification will be completed and forwarded to the Department along with a brief report summarizing satisfaction of the IC/EC deficiency.

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

Sincerely,

Ariel Czemerinski, PE
AMC Engineering, PLLC

Attachments

1. Letter from NYSDEC
2. Excavation Workplan
3. Previously Submitted CMWP

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau B
625 Broadway, 12th Floor, Albany, NY 12233-7016
P: (518) 402-9767 I F: (518) 402-9773
www.dec.ny.gov

Sent via E-mail

June 24, 2022

Joseph Banda
Ocean Units LLC
1274 49th Street, Suite 443
Brooklyn, NY 11219
jb@rancocap.com

Re: Corrective Measures Work Plan
Tomat Service Station, BCP Site ID No. C224217
Borough of Brooklyn, City of New York

Dear Joseph Banda,

The New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) have reviewed the Corrective Measures Work Plan (CMWP) for the Tomat Service Station site dated May 25, 2022. Based on this review, the Department requests the following modifications to the CMWP.

Modification 1, Excavation Work Plan: The CMWP must specify whether repair activities will penetrate the site cover. If repair activities penetrate the site cover, implementation of the Excavation Work Plan will be required.

Modification 2, Carbon Status: A review of the pre- and post-carbon air sampling data indicates concentrations are generally the same, please evaluate if a carbon change out is necessary given this data.

Modification 3, AS-7: Clarification is requested as to why AS-7 is no longer accessible, and the subsequent steps planned to address this situation. Monitoring of AS-7 is required under the Site Management Plan (SMP) for the site.

Please modify the CMWP to address these modifications and submit a revised CMWP by July 22, 2022. Please contact me by e-mail at richard.mustico1@dec.ny.gov to discuss any questions or concerns regarding these comments.

Sincerely,

Richard P. Mustico, E.I.T.
Engineering Assistant
Remedial Section B

ec:
Gerard Burke, gerard.burke@dec.ny.gov
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ATTACHMENT L
Excavation Work Plan

EXCAVATION WORK PLAN (EWP)

1 NOTIFICATION

At least 15 days prior to the start of any activity that is anticipated to encounter remaining contamination, the site owner or their representative will notify the NYSDEC. Table B-1 includes contact information for the above notification. The information on this table will be updated as necessary to provide accurate contact information. A full listing of site-related contact information is provided in **Attachment A**.

Table 1: Notifications*

Name	Contact Information
Jeffrey Dyber	518-402-9621, jeffrey.dyber@dec.ny.gov
Jane O'Connell	718-482-4599, Jane.Oconnell@dec.ny.gov
Kelly Lewandowski	518-402-9553; kelly.lewandowski@dec.ny.gov

* Note: Notifications are subject to change and will be updated as necessary.

This notification will include:

- A detailed description of the work to be performed, including the location and areal extent of excavation, plans/drawings for site re-grading, intrusive elements or utilities to be installed below the cover, estimated volumes of contaminated soil to be excavated and any work that may impact an engineering control;
- A summary of environmental conditions anticipated to be encountered in the work areas, including the nature and concentration levels of contaminants of concern, potential presence of grossly contaminated media, and plans for any pre-construction sampling;
- A schedule for the work, detailing the start and completion of all intrusive work;
- A summary of the applicable components of this EWP;
- A statement that the work will be performed in compliance with this EWP and 29 CFR 1910.120;

- A copy of the contractor's health and safety plan (HASP), in electronic format, if it differs from the HASP provided in **Attachment G** of this SMP;
- Identification of disposal facilities for potential waste streams; and
- Identification of sources of any anticipated backfill, along with all required chemical testing results.

2 SOIL SCREENING METHODS

Visual, olfactory and instrument-based (e.g. photoionization detector) soil screening will be performed by a qualified environmental professional during all excavations into known or potentially contaminated material (remaining contamination). Soil screening will be performed when invasive work is done and will include all excavation and invasive work performed during development, such as excavations for foundations and utility work, after issuance of the COC.

Soils will be segregated based on previous environmental data and screening results into material that requires off-site disposal and material that requires testing to determine if the material can be reused on-site as soil beneath a cover or if the material can be used as cover soil. Further discussion of off-site disposal of materials and on-site reuse is provided in Section B-5 of this Attachment.

3 SOIL STAGING METHODS

Soil stockpiles will be continuously encircled with a berm and/or silt fence. Hay bales will be used as needed near catch basins, surface waters and other discharge points.

Stockpiles will be kept covered at all times with appropriately anchored tarps. Stockpiles will be routinely inspected and damaged tarp covers will be promptly replaced.

Stockpiles will be inspected at a minimum once each week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by the NYSDEC.

4 MATERIALS EXCAVATION AND LOAD-OUT

A qualified environmental professional or person under their supervision will oversee all invasive work and the excavation and load-out of all excavated material.

The owner of the property and remedial party (if applicable) and its contractors are responsible for safe execution of all invasive and other work performed under this Plan.

The presence of utilities and easements on the site will be investigated by the qualified environmental professional. It will be determined whether a risk or impediment to the planned work under this SMP is posed by utilities or easements on the site.

Loaded vehicles leaving the site will be appropriately lined, tarped, securely covered, manifested, and placarded in accordance with appropriate Federal, State, local, and NYSDOT requirements (and all other applicable transportation requirements).

A truck wash will be operated on-site, as appropriate. The qualified environmental professional will be responsible for ensuring that all outbound trucks will be washed at the truck wash before leaving the site until the activities performed under this section are complete Truck wash waters will be collected and disposed of off-site in an appropriate manner.

Locations where vehicles enter or exit the site shall be inspected daily for evidence of off-site soil tracking.

The qualified environmental professional will be responsible for ensuring that all egress points for truck and equipment transport from the site are clean of dirt and other materials derived from the Site during intrusive excavation activities. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to site-derived materials.

5 MATERIALS TRANSPORT OFF-SITE

All transport of materials will be performed by licensed haulers in accordance with appropriate local, State, and Federal regulations, including 6 NYCRR Part 364. Haulers will be appropriately licensed and trucks properly placarded.

Material transported by trucks exiting the site will be secured with tight-fitting covers. If loads contain wet material capable of producing free liquid, truck liners will be used.

Truck transport routes are as follows:

> ENTERING SITE - from the Brooklyn Queens Expressway take the 65th street. Make a left on to Avenue P and then a right on to Ocean Avenue. The Site entrance will be on the right.
>
> EXITING SITE – Head south on Ocean Avenue. Make the first right onto Avenue P. Turn right onto 65th Street and head toward Brooklyn Queens Expressway. Follow the signs for the Brooklyn Queens Expressway on-ramp.

All trucks loaded with site materials will exit the vicinity of the Site using only these approved truck routes. This is the most appropriate route and takes into account: (a) limiting transport through residential areas and past sensitive sites; (b) use of city mapped truck routes; (c) prohibiting off-site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport.

Trucks will be prohibited from stopping and idling in the neighborhood outside the project site.

Egress points for truck and equipment transport from the site will be kept clean of dirt and other materials during site remediation and development.

Queuing of trucks will be performed on-site in order to minimize off-site disturbance. Off-site queuing will be prohibited. A truck route is included as **Figure 10 of the SMP**.

6 MATERIALS DISPOSAL OFF-SITE

All material excavated and removed from the Site will be treated as contaminated and regulated material and will be transported and disposed in accordance with all local, State (including 6NYCRR Part 360) and Federal regulations. If disposal of material from this Site is proposed for unregulated off-site disposal (i.e. clean soil removed for development purposes), a formal request with an associated plan will be made to the NYSDEC. Unregulated off-site management of materials from this site will not occur without formal NYSDEC approval.

Off-site disposal locations for excavated soils will be identified in the pre-excavation notification. This will include estimated quantities and a breakdown by class of disposal facility

if appropriate, i.e. hazardous waste disposal facility, solid waste landfill, petroleum treatment facility, C/D recycling facility, etc. Actual disposal quantities and associated documentation will be reported to the NYSDEC in the Periodic Review Report. This documentation will include: waste profiles, test results, facility acceptance letters, manifests, bills of lading and facility receipts.

Non-hazardous historic fill and contaminated soils taken off-site will be handled, at minimum, as a Municipal Solid Waste per 6NYCRR Part 360-1.2. Material that does not meet Unrestricted SCOs is prohibited from being taken to a New York State recycling facility (6NYCRR Part 360-16 Registration Facility).

7 MATERIALS REUSE ON-SITE

The qualified environmental professional will ensure that procedures defined for materials reuse in this SMP are followed and that unacceptable material does not remain on-site. Contaminated on-site material, including historic fill and contaminated soil, that is acceptable for reuse on-site will be placed below the demarcation layer or impervious surface, and will not be reused within a cover soil layer, within landscaping berms, or as backfill for subsurface utility lines. This soil will undergo a testing program to confirm that it meets unrestricted SCOs prior to unregulated disposal or reuse on-site. Confirmation testing of clean soils will be in accordance with DER-10 as follows:

Contaminant	**VOCs**	**SVOCs, Inorganics & PCBs/Pesticides**	
Soil Quantity (cubic yards)	**Discrete Samples**	**Composite**	**Discrete Samples/Composite**
0-50	1	1	Each composite sample for analysis is created from 3-5 discrete samples from representative locations in the fill.
50-100	2	1	
100-200	3	1	
200-300	4	1	
300-400	4	2	
400-500	5	2	
500-800	6	2	
800-1000	7	2	
1000	Add an additional 2 VOC and 1 composite for each additional 1000 Cubic yards or consult with DER		

8 FLUIDS MANAGEMENT

All liquids to be removed from the Site, including but not limited to, excavation dewatering, decontamination waters and groundwater monitoring well purge and development waters, will be handled, transported and disposed in accordance with applicable local, State, and Federal regulations. Dewatering, purge and development fluids will not be recharged back to the land surface or subsurface of the site, and will be managed off-site, unless prior approval is obtained from NYSDEC.

Discharge of water generated during large-scale construction activities to surface waters (i.e. a local pond, stream or river) will be performed under a SPDES permit.

9 COVER SYSTEM RESTORATION

After the completion of soil removal and any other invasive activities the short term (during remediation) cover system will be restored in a manner that complies with the decision document. The existing cover system is comprised of a minimum of the 6 inch thick concrete building slab in the cellar. If the type of cover system changes from that which exists prior to the excavation, this will constitute a modification of the cover element of the remedy and the upper surface of the remaining contamination. A figure showing the modified surface will be included in the subsequent Periodic Review Report and in an updated SMP.

10 BACKFILL FROM OFF-SITE SOURCES

All materials proposed for import onto the Site will be approved by the qualified environmental professional and will be in compliance with provisions in this SMP prior to receipt at the site. A Request to Import/Reuse Fill or Soil form, which can be found at http://www.dec.ny.gov/regulations/67386.html will be prepared and submitted to the NYSDEC project manager allowing a minimum of 5 business days for review.

Material from industrial sites, spill sites, or other environmental remediation sites or potentially contaminated sites will not be imported to the Site.

All imported soils will meet the backfill and cover soil quality standards established in 6NYCRR 375-6.7(d). Based on an evaluation of the land use, protection of groundwater and protection of ecological resources criteria, the resulting soil quality standards are listed in Table 1. Soils that

meet ‘exempt’ fill requirements under 6 NYCRR Part 360, but do not meet backfill or cover soil objectives for this site, will not be imported onto the site without prior approval by NYSDEC. Solid waste will not be imported onto the site.

Trucks entering the Site with imported soils will be securely covered with tight fitting covers. Imported soils will be stockpiled separately from excavated materials and covered to prevent dust releases.

11 STORMWATER POLLUTION PREVENTION

Barriers and hay bale checks will be installed and inspected once a week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by the NYSDEC. All necessary repairs shall be made immediately.

Accumulated sediments will be removed as required to keep the barrier and hay bale check functional. All undercutting or erosion of the silt fence toe anchor shall be repaired immediately with appropriate backfill materials. Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

Erosion and sediment control measures identified in the SMP shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Silt fencing or hay bales will be installed around the entire perimeter of the construction area.

12 EXCAVATION CONTINGENCY PLAN

If underground tanks or other previously unidentified contaminant sources are found during post-remedial subsurface excavations or development related construction, excavation activities will be suspended until sufficient equipment is mobilized to address the condition.

Sampling will be performed on product, sediment and surrounding soils, etc. as necessary to determine the nature of the material and proper disposal method. Chemical analysis will be performed for a full list of analytes (TAL metals; TCL volatiles and semi-volatiles, TCL pesticides and PCBs), unless the site history and previous sampling results provide a sufficient

justification to limit the list of analytes. In this case, a reduced list of analytes will be proposed to the NYSDEC for approval prior to sampling.

Identification of unknown or unexpected contaminated media identified by screening during invasive site work will be promptly communicated by phone to NYSDEC's Project Manager. Reportable quantities of petroleum product will also be reported to the NYSDEC spills hotline. These findings will be also included in the Periodic Review Report.

13 COMMUNITY AIR MONITORING PLAN

The CAMP provides measures for protection for the downwind community (i.e., off-site receptors including residences, businesses, and on-site workers not directly involved in the remedial work) from potential airborne contaminant releases resulting from remedial activities at construction sites.

The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that the remedial work did not spread contamination off-site through the air. The primary concerns for this site are nuisance odors and dust particulates.

A figure showing the location of air sampling stations based on generally prevailing wind conditions will be provided. These locations will be adjusted on a daily or more frequent basis based on actual wind directions to provide an upwind and at least two downwind monitoring stations.

Exceedances of action levels listed in the CAMP will be reported to NYSDEC and NYSDOH Project Managers.

14 ODOR CONTROL PLAN

This odor control plan is capable of controlling emissions of nuisance odors off-site and on-site, if. If nuisance odors are identified at the site boundary, or if odor complaints are received, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. NYSDEC and NYSDOH will be notified of all odor events and of any other complaints about the project. Implementation of all odor controls,

including the halt of work, is the responsibility of the remedial party's Remediation Engineer, and any measures that are implemented will be discussed in the Periodic Review Report.

All necessary means will be employed to prevent on- and off-site nuisances. At a minimum, these measures will include: (a) limiting the area of open excavations and size of soil stockpiles; (b) shrouding open excavations with tarps and other covers; and (c) using foams to cover exposed odorous soils. If odors develop and cannot be otherwise controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-site disposal; (e) use of chemical odorants in spray or misting systems; and, (f) use of staff to monitor odors in surrounding neighborhoods.

If nuisance odors develop during intrusive work that cannot be corrected, or where the control of nuisance odors cannot otherwise be achieved due to on-site conditions or close proximity to sensitive receptors, odor control will be achieved by sheltering the excavation and handling areas in a temporary containment structure equipped with appropriate air venting/filtering systems.

15 DUST CONTROL PLAN

A dust suppression plan that addresses dust management during invasive on-site work will include, at a minimum, the items listed below:

- Dust suppression will be achieved though the use of a dedicated on-site water truck for road wetting. The truck will be equipped with a water cannon capable of spraying water directly onto off-road areas including excavations and stockpiles.
- Clearing and grubbing of larger sites will be done in stages to limit the area of exposed, unvegetated soils vulnerable to dust production.
- Gravel will be used on roadways to provide a clean and dust-free road surface.

On-site roads will be limited in total area to minimize the area required for water truck sprinkling.

16 OTHER NUISANCES

A plan for rodent control will be developed and utilized by the contractor prior to and during site clearing and site grubbing, and during all remedial work.

A plan will be developed and utilized by the contractor for all remedial work to ensure compliance with local noise control ordinances.

AMC Engineering, PLLC
18-36 42nd St
Astoria, NY 11105
Phone: (718) 545-0474

May 25, 2022

Richard Mustico
Assistant Engineer
Division of Environmental Remediation
Remedial Bureau B, Section B
625 Broadway, 12th Floor
Albany NY 12233-7016
richard.mustico1@dec.ny.gov

RE: Corrective Measures Work Plan
C224217 – Tomat Service Station
1815 Ocean Avenue
Brooklyn, New York

Dear Mr. Mustico:

This Corrective Measures Work Plan (CMWP) has been prepared to address a non-conformance to the IC/EC during the periodic inspection at the subject site.

During the inspection of the ECs it was revealed that the Leg 2 of the Air Sparge system is not registering any pressure in any of the air sparging (AS) points, likely indicating the there is a leak in the underground pipe leading to the AS points.

Corrective Measures Work Plan

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

- Diagnose the Air Sparge System to determine the cause of the loss of air pressure in Leg 2.
  - This likely will be done by snaking a camera through the AS pipe to try to identify the leak.
- Repair the Air Sparge System and ensure the Air Sparge System is back in operation
  - Repair of the pipe will require exposing the pipe from the parking lot.
- Conduct a new sitewide inspection
- Prepare PRR and submit to NYSDEC

Engineering Control / Institutional Control Inspection/Certification

Upon approval of this CMWP by NYSDEC, the Air Sparge System will be repaired immediately. An IC/EC Certification will be completed and forwarded to the Department along with a brief report summarizing satisfaction of the IC/EC deficiency.

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

Sincerely,

Ariel Czemerinski, PE
AMC Engineering, PLLC

Attachments

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. **C224217**

Site Name Tomat Service Station

Site Address: 1815-1825 Ocean Avenue Zip Code: 11230
City/Town: Brooklyn
County: Kings
Site Acreage: 0.379

Reporting Period: April 26, 2021 to April 26, 2022

	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: 5/25/22

Box 2A

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

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

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

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

SITE NO. C224217 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
7656-58	Ocean Units, LLC	Monitoring Plan O&M Plan IC/EC Plan Ground Water Use Restriction Landuse Restriction Site Management Plan

The site is subject to an environmental easement, which:
• requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
• allows the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
• restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH; and
• require compliance with the Department approved Site Management Plan.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
7656-58	Air Sparging/Soil Vapor Extraction Monitoring Wells

An air sparge/soil vapor extraction system has been installed to clean up the deep soil and groundwater contamination.

ISCO injections will be conducted at 17GW2 and 17GW6 in the event that VOC concentrations increase at these locations as per approved SMP.

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

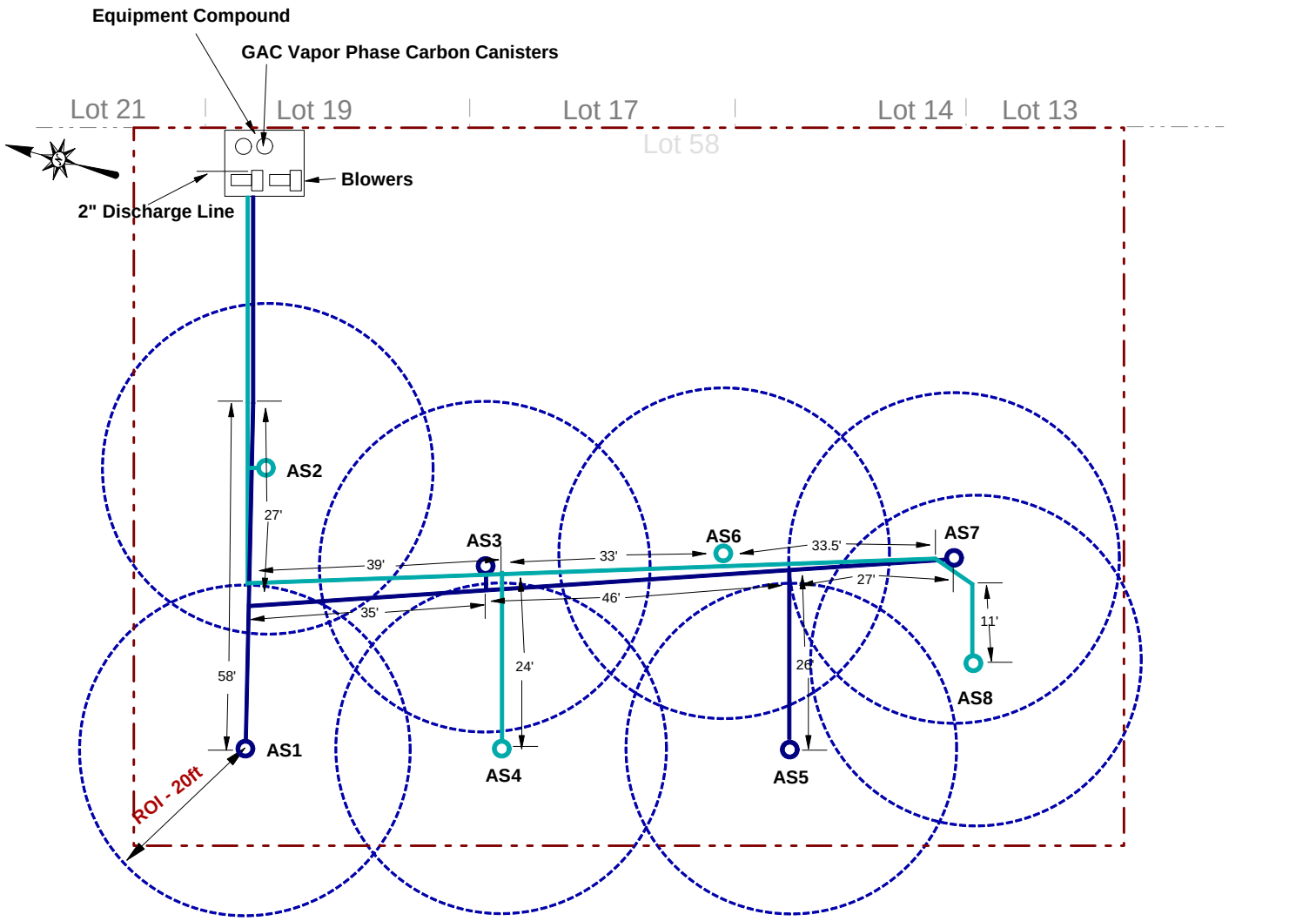
IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

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

Signature of Owner, Remedial Party or Designated Representative

5/25/22
Date

STATE OF NEW YORK
ARIEL CZEMERINSKI
076508
LICENSED PROFESSIONAL ENGINEER



KEY:

Property Boundary

ASx Air Sparging Point (Leg 1)

ASx Air Sparging Point (Leg 2)

SCALE:

0 5 10 25

Scale: 1 inch = 25 feet

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

Figure No. **1**

Site Name: FORMER TOMAT SERVICE STATION

Site Address: 1815-1825 Ocean Avenue, Brooklyn, NY

Drawing Title: Air Sparge System Layout

Tomat Service Station
1815-1825 Ocean Avenue, Brooklyn NY

SOIL VAPOR EXTRACTION SYSTEM INSPECTION FORM

Date: 3/28/22

Time: 13:00

Weather: Sunny / 25deg

Inspector: TG

Extraction Point	Vacuum (iwc)	PID Reading(ppm)
SVE-1	9.3	2.0
SVE-2	8.9	1.7
Blower inlet	-17.5"wc	1.3
Carbon inlet	NA	1.3
Between carbon	NA	1.0

Inspection:	Yes / No	Comments
Blower Operating?	Yes	
Spare Carbon Drums?	No	
System Integrity?	Good	

Comments:

Tomat Service Station
1815-1825 Ocean Avenue, Brooklyn NY

AIR SPARGING SYSTEM INSPECTION FORM

Injection Point	Pressure
AS-1	Low Pressure
AS-2	5.3
AS-3	Low Pressure
AS-4	5.4
AS-5	Low Pressure
AS-6	5.1
AS-7	No Valve
AS-8	5.2

Inspection:	Yes / No	Comments
Blower Operating?	Yes	
Timer, 3-way actuated valve operating?	Yes	
System Integrity?	Leg 1 operating	Leg 2 has reduced PSI

Comments:

Leg 1 operating at 5.6 PSI

Leg 2 operating at 1 PSI

Tomat Service Station
1815-1825 Ocean Avenue, Brooklyn NY

CARBON MONITORING

Carbon filter installation date:_____

Date/Time	**Location**	**PID reading**	**PID units(ppm or ppb)**
3/28/22 11:00	**Pre-Carbon**	1.3	PPM
3/28/22 11:05	**Between Carbon**	1.0	PPM
3/28/22 11:10	**Post -Carbon**	0.8	PPM

Comments:

EQUIPMENT SHED

Inspection:	Yes / No	Comments
Vent Operating?	yes	

AS Blower Lubrication and Oil Change

Location	Frequency	Comments
AS Blower Lubrication checks	Every Visit	
AS Blower Oil Change	Every 166 Days	

April 21, 2022

Mr. Richard Mustico
New York State Department of Environmental
Conservation Division of Environmental Remediation
Region 2
625 Broadway, Albany, New York 12233

Re: Quarterly Inspection Report (Q1; 2022)
Tomat Service Station
1815-1825 Ocean Avenue, Brooklyn, New York
NYSDEC BCP Number: C224217

Dear Mr. Mustico:

Please find the enclosed Quarterly Inspection Report for the above referenced project for the 1st quarter of 2022; in accordance with the Site Management Plan (SMP).

If you have any questions or comments regarding the attached report, please do not hesitate to contact me.

Very truly yours,

Chawinie Reilly
Senior Project Manager

Cc: J. Grathwol
J. O'Connell
R. Ockerby, NYSDOH
A. Czemerinski, AMC

TOMAT SERVICE STATION
NYSDEC BCP Number C224217
Quarterly Status Report 2022

Reporting Summary

Report Date: April 21, 2022

Reporting Period: 1st Quarter of 2022

Site Status: The building is currently occupied.

Work Performed this Quarter:

March 29, 2022– VOC sampling for groundwater. Quarterly groundwater samples were collected from 17GW1, 17GW2, 17GW3, 17GW4, 17GW5 and 17GW6 for laboratory analysis.

March 29, 2022– PFA samplings for groundwater. Quarterly groundwater samples were collected from 17GW2, 17GW3, 17GW4, 17GW5 and 17GW6 for laboratory analysis.

March 29, 2022 - Inspection of the Air Sparge and Soil Vapor Extraction system. Vacuum readings for AS wells were conducted. PID readings at the pre-carbon, between carbon, and post-carbon locations were collected.

Monitoring Program Summary:

No. of Sampling Points: Six on-site groundwater monitoring wells (17GW1, 17GW2, 17GW3, 17GW4, 17GW5, 17GW6), two SVE wells (SVE-1 and SVE-2), eight AS wells (AS1, AS2, AS3, AS4, AS5, AS6, AS7 and AS8) Pre-carbon, Post-carbon sample locations.

Gauging Frequency: Quarterly laboratory analysis for 6 on-site monitoring wells (17GW1, 17GW2, 17GW3, 17GW4, 17GW5, 17GW6), pre and post carbon sampling locations. Quarterly for PID and vacuum measurements for SVE wells (SVE-1 and SVE-2), vacuum readings for AS wells

	(AS1, AS2, AS3, AS4, AS5, AS6, AS7 and AS8), pre-carbon, between carbon and post- carbon locations.
Sampling Frequency:	Quarterly laboratory analysis for 6 on-site monitoring wells (17GW1, 17GW2, 17GW3, 17GW4, 17GW5, 17GW6), pre and post carbon sampling locations. Quarterly for PID and vacuum measurements for SVE wells (SVE-1 and SVE-2), vacuum readings for AS wells (AS1, AS2, AS3, AS4, AS5, AS6, AS7 and AS8), pre-carbon, between carbon and post- carbon locations.
Reporting Frequency:	Quarterly Inspection Report (Quarterly), Periodic Review Report (Annually).
Groundwater Depth:	21 feet below sidewalk grade
Monitoring Results:	No product was detected within any of the monitoring wells.
Sampling Results:	Based on the sampling results, which noted a slight increase in 17GW1 from 75.18 µg/L (Q3 2021) to 136.65 µg/L (Q1 2022), 17GW2 from 39.97 µg/L (Q4 2021) to 102.39 µg/L (Q1 2022), 17GW5 from 51.62 µg/L (Q4 2021) to 87.41 µg/L (Q1 2022) and a decrease in the 17GW3, 17GW4 and 17GW6 wells, EBC notes that asymptomatic reduction for the site has been achieved, the Air Sparge and SVE system can be shut down and the associated wells should decommissioned accordingly.

DEVIATIONS FOR THE QUATER

It should be noted that EBC was not able to collect a PFA sample at 17GW1 due to the well running dry.

LIQUID LEVEL MONITORING

Depth to water readings were taken from 17GW1, 17GW2, 17GW3, 17GW4, 17GW5 and 17GW6 on a quarterly basis with an electronic interface meter prior to purging the wells for sampling. As previously noted, no Liquid Phase Hydrocarbons (LPH) was detected in any of the monitoring wells during this quarter.

GROUNDWATER SAMPLING

The Q1 2022 groundwater sampling events were performed on March 28, 2022. The groundwater samples were collected from 17GW2, 17GW3, 17GW4 and 17GW6 in accordance with the low-flow groundwater sampling procedures and PFA sampling procedures outlined within the SMP. All locations were sampled for VOCs and it should be noted that EBC was not able collect a PFA sample at the 17GW1 location due to the well

running dry. See **Figure 1,** for the location of 17GW1, 17GW2, 17GW3, 17GW4, 17GW5 and 17GW6. A copy of each of the Well Purging-Field Water Quality Measurements Form is attached as **Appendix A**.

The groundwater samples for VOCs were picked up at EBC's office by laboratory dispatched courier and delivered 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). The groundwater samples were submitted for laboratory analysis of volatile organic compounds (VOCs) via EPA Method 8260.

The groundwater samples for PFAs were picked up at EBC's office by laboratory dispatched courier and delivered to Alpha Analytical (Alpha) of 320 Forbes Boulevard in Mansfield, MA 02048, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11627). The groundwater samples were submitted for laboratory analysis of PFAs (VOCs) via EPA Method 537.

Copies of the laboratory reports are attached as **Appendix B**. The laboratory results for the 1st 2022 quarter sampling event are summarized and compared to their respectively Groundwater Quality Standards (GQSs) in **Table 1.**

AIR SAMPLING

The air samples collected from the pre-carbon and post carbon locations were collected in 6 Liter summa canisters fitted with 30-min laboratory calibrated regulators. These locations were sampled on March 28, 2022.

The sample identification, date, start time, start vacuum, end time and end vacuum were recorded on tags attached to each canister and on the chain of custody.

During the sampling event; the SVE sampling ports, pre carbon, between carbon and post carbon locations were field screened with a photo-ionization detector (PID) and vacuum readings were collected at these locations. Summa canisters were picked up at EBC's office by laboratory dispatched courier and delivered 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). The air samples were submitted for laboratory analysis of VOCs via Method TO-15.

Copies of the laboratory reports are attached in **Appendix C**. Routine System Inspection Forms are attached in **Appendix D**. The laboratory results for pre and post carbon air samples was compared to the appropriate standards/criteria in **Table 2**.

QUATERLY GROUNDWATER SAMPLING RESULTS

17GW1– March 28, 2022– The VOCs such as 1,2,4-trimethylbenzene (27 µg/L), 1,3,5-Trimethylbenzene (5.4 µg/L), acetone (55 µg/L) and Naphthalene (9.2 µg/L) were reported above NYSDEC Groundwater Quality Standards. A total VOC concentration of 136.65 µg/L was reported during the 1st quarter 2022 sampling event.

17GW2– March 28, 2022 - The VOCs such as 1,2,4-trimethylbenzene (36 µg/L), Ethylbenzene (7.7 µg/L) and Naphthalene (14 µg/L) were reported above NYSDEC Groundwater Quality Standards. A total VOC concentration of 102.39 µg/L was reported during the 1st quarter 2022 sampling event.

17GW3– March 28, 2022 - No VOCs were detected or reported above NYSDEC Groundwater Quality Standards. A total VOC concentration of 0.0 µg/L was reported during the 1st quarter 2022 sampling event.

17GW4– March 28, 2022 - No VOCs were reported above NYSDEC Groundwater Quality Standards. A total VOC concentration of 1.99 µg/L was reported during the 1st quarter 2022 sampling event.

17GW5– March 28, 2022 – The VOCs such as 1,2,4-trimethylbenzene (13 µg/L) was reported above NYSDEC Groundwater Quality Standards. A total VOC concentration of 87.41.39 µg/L was reported during the 1st quarter 2022 sampling event.

17GW6– March 28, 2022 – No VOCs were reported above NYSDEC Groundwater Quality Standards. A total VOC concentration of 6.69 µg/L was reported during the 1st quarter 2022 sampling event.

QUATERLY AIR SAMPLE RESULTS

PRE-CARBON – The March 28, 2022 BTEX concentration was reported at 0.0 µg/m^3. The total VOC concentrations during this period was reported at 53.86 µg/m^3. PID reading for this port was 1.3 ppm.

POST-CARBON – The March 28, 2022 BTEX concentration was reported at 1.51 µg/m^3. The total VOC concentrations during this period was reported at 72.76 µg/m^3. PID reading for this port was 0.8 ppm.

QUATERLY PID AND VACUUM MEASUREMENTS

March 28, 2022:

S*VE-1* – PID reading for this port was 2.0 ppm with a vacuum of -9.3 IWC.

S*VE-2* – PID reading for this port was 1.7 ppm with a vacuum of -8.9 IWC.

PRE-CARBON – PID reading for this port was 1.3 ppm.

BETWEEN-CARBON –PID reading for this port was 1.0 ppm.

POST-CARBON –PID reading for this port was 0.8 ppm.

AS-1 – No pressure reading; reduced pressure at this location.

AS-2 – Pressure reading of -5.3 iwc..

AS-3 – No pressure reading; reduced pressure at this location.

AS-4 – Pressure reading of -5.4 iwc.

AS-5 – No pressure reading; reduced pressure at this location.

AS-6 – Pressure reading of -5.1 iwc.

AS-7 – No reading; this location is no longer accessible

AS-8 – Pressure reading of -5.2 iwc.

QUATERLY PFAs

Groundwater samples were collected on March 28, 2022. Total groundwater PFAs were detected in a range between 7.62 to 268.36 ng/L. The highest total PFA compound concentration was observed in 17GW5 at 268.36 ng/L. It should be noted that a PFA sample was not collected for 17GW1 due to a lack of water. The laboratory results for the PFA samples are included in **Table 3**. Copies of the laboratory reports are attached in **Appendix E**.

FUTURE PLANS / RECOMMENDATIONS

Based on the sampling results, which noted a slight increase in 17GW1 from 75.18 µg/L (Q3 2021) to 136.65 µg/L (Q1 2022), 17GW2 from 39.97 µg/L (Q4 2021) to 102.39 µg/L (Q1 2022), 17GW5 from 51.62 µg/L (Q4 2021) to 87.41 µg/L (Q1 2022) and a decrease in the 17GW3, 17GW4 and 17GW6 wells, EBC notes that asymptomatic reduction for the site has been achieved, the Air Sparge and SVE system can be shut down and the associated wells should decommissioned accordingly.

TABLES

1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631.924.2870

Table 1
1828-1850 Ocean Avenue
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	Quarterly Groundwater Sampling (17GW1)															
		17GW1 (Baseline)		17GW1		17GW1		17GW1		17GW1		17GW1		17GW1		17GW1	
		11/13/2017		12/18/2017		3/15/2018		6/14/2018		8/27/2018		12/14/2018		1/30/2019		4/3/2019	
		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
	µg/L	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	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	<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	< 5.0	5.0	< 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	< 2.5	2.5	< 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	< 5.0	5.0
1,1-Dichloroethene	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	< 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	< 1.0	1.0	< 5.0	5.0	<1.0	1.0	< 1.0	1.0
1,2,3-Trichlorobenzene		< 20	20	< 1.0	1.0	< 1.0	1.0	< 10	10	< 1.0	1.0	< 10	10	<1.0	1.0	< 1.0	1.0
1,2,3-Trichloropropane	0.04	< 5.0	5.0	< 0.25	0.25	< 0.25	0.25	< 2.5	2.5	< 0.25	0.25	< 2.5	2.5	<0.25	0.25	< 0.25	0.25
1,2,4-Trichlorobenzene		< 20	20	< 1.0	1.0	< 1.0	1.0	< 10	10	< 1.0	1.0	< 10	10	<1.0	1.0	< 1.0	1.0
1,2,4-Trimethylbenzene	5	**560**	40	**220**	20	**120**	10	**110**	5.0	**81**	5.0	**210**	10	**150**	10	**260**	20
1,2-Dibromo-3-chloropropane	0.04	< 10	10	< 0.50	0.50	< 0.50	0.50	< 5.0	5.0	< 0.50	0.50	< 5.0	5.0	<0.50	0.50	< 0.50	0.50
1,2-Dibromoethane		< 5.0	5.0	< 0.25	0.25	< 0.25	0.25	< 2.5	2.5	< 0.25	0.25	< 2.5	2.5	<0.25	0.25	< 0.25	0.25
1,2-Dichlorobenzene	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 4.7	4.7	< 1.0	1.0	< 4.7	4.7	<1.0	1.0	< 1.0	1.0
1,2-Dichloroethane	0.6	< 10	10	< 0.60	0.60	< 0.60	0.60	< 5.0	5.0	< 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	< 2.5	2.5	< 1.0	1.0	< 2.5	2.5	<1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	**69**	20	**19**	1.0	**16**	1.0	**9.2**	5.0	**5.1**	1.0	**18**	10	**16**	1.0	**16**	1.0
1,3-Dichlorobenzene		< 5.0	5.0	**0.34**	1.0	< 1.0	1.0	< 3.0	3.0	< 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	< 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	< 1.0	1.0	< 5.0	5.0	<1.0	1.0	< 1.0	1.0
2,2-Dichloropropane	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	< 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	< 1.0	1.0	< 5.0	5.0	<1.0	1.0	< 1.0	1.0
2-Hexanone (Methyl Butyl Ketone)		< 50	50	< 2.5	2.5	< 2.5	2.5	< 25	25	< 2.5	2.5	< 25	25	<2.5	2.5	< 2.5	2.5
2-Isopropyltoluene	5	< 5.0	5.0	**1.4**	1.0	**1.5**	1.0	< 5.0	5.0	**0.31**	1.0	< 5.0	5.0	**1.2**	1.0	**0.92**	1.0
4-Chlorotoluene	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	<1.0	1.0	< 1.0	1.0
4-Methyl-2-Pentanone		< 50	50	< 2.5	2.5	< 2.5	2.5	< 25	25	< 2.5	2.5	< 25	25	<2.5	2.5	< 2.5	2.5
Acetone	50	< 50	50	< 5.0	5.0	< 5.0	5.0	< 50	50	**7.4**	5.0	< 50	50	**8.4**	5.0	**4.5**	5.0
Acrolein		< 50	50	< 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	< 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
Benzene	1	< 5.0	5.0	< 0.70	0.70	< 0.70	0.70	< 2.5	2.5	< 0.70	0.70	< 2.5	2.5	<0.70	0.70	< 0.70	0.70
Bromobenzene	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	< 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	< 1.0	1.0	< 5.0	5.0	<1.0	1.0	< 1.0	1.0
Bromodichloromethane		< 20	20	< 1.0	1.0	< 1.0	1.0	< 10	10	< 1.0	1.0	< 10	10	<1.0	1.0	< 1.0	1.0
Bromoform		< 50	50	< 5.0	5.0	< 5.0	5.0	< 50	50	< 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	< 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	< 10	10	< 1.0	1.0	< 10	10	**0.74**	1.0	**0.41**	1.0
Carbon tetrachloride	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	< 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
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	< 7.0	7.0	< 5.0	5.0	< 5.0	5.0	< 7.0	7.0	< 5.0	5.0	< 7.0	7.0	<5.0	5.0	< 5.0	5.0
Chloromethane	60	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	<1.0	1.0	< 1.0	1.0
cis-1,3-Dichloropropene		< 5.0	5.0	< 0.40	0.40	< 0.40	0.40	< 2.5	2.5	< 0.40	0.40	< 2.5	2.5	<0.40	0.40	< 0.40	0.40
Dibromochloromethane		< 20	20	< 1.0	1.0	< 1.0	1.0	< 10	10	< 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	< 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	< 1.0	1.0	< 5.0	5.0	<1.0	1.0	< 1.0	1.0
Ethylbenzene	5	**320**	20	**110**	5.0	**76**	10	**80**	5.0	**65**	5.0	**130**	10	**120**	10	**140**	20
Hexachlorobutadiene	0.5	< 4.0	4.0	< 0.50	0.50	< 0.50	0.50	< 2.0	2.0	< 0.50	0.50	< 2.0	2.0	<0.50	0.50	< 0.50	0.50
Isopropylbenzene	5	**39**	20	**19**	1.0	**22**	1.0	**12**	5.0	**5.8**	1.0	**13**	10	**22**	1.0	**14**	1.0
m&p-Xylenes		**290**	20	**100**	5.0	**64**	10	**54**	10	**29**	1.0	**63**	10	**40**	1.0	**26**	1.0
Methyl Ethyl Ketone (2-Butanone)	50	< 50	50	< 2.5	2.5	< 2.5	2.5	< 25	25	< 2.5	2.5	< 25	25	<2.5	2.5	< 2.5	2.5
Methyl t-butyl ether (MTBE)	10	< 20	20	< 1.0	1.0	< 1.0	1.0	< 10	10	< 1.0	1.0	< 10	10	<1.0	1.0	< 1.0	1.0
Methylene chloride	5	< 20	20	< 3.0	3.0	< 3.0	3.0	< 5.0	5.0	< 3.0	3.0	< 5.0	5.0	<3.0	3.0	< 3.0	3.0
Naphthalene	10	**190**	20	**94**	5.0	**53**	10	**42**	10	**24**	10	**58**	10	**41**	10	**51**	20
n-Butylbenzene	5	**9.4**	20	**4.3**	1.0	**3.7**	1.0	**2.6**	5.0	**0.7**	1.0	< 5.0	5.0	**3**	1.0	**3.5**	1.0
n-Propylbenzene	5	**81**	20	**43**	5.0	**27**	10	**25**	5.0	**11**	1.0	**28**	10	**44**	10	**34**	20
o-Xylene	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	<1.0	1.0	< 1.0	1.0
p-Isopropyltoluene		< 5.0	5.0	**2**	1.0	**1.7**	1.0	< 5.0	5.0	**0.5**	1.0	< 5.0	5.0	**1.8**	1.0	**1.9**	1.0
sec-Butylbenzene	5	**5.4**	20	**2.8**	1.0	**2.9**	1.0	< 5.0	5.0	**0.68**	1.0	< 5.0	5.0	**2.7**	1.0	**2.4**	1.0
Styrene	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	**0.34**	1.0	< 1.0	1.0
tert- Butylalcohol		-	-	-	-	-	-	< 50	50	< 50	50	< 500	500	<50	50	< 50	50
tert-Butylbenzene	5	< 5.0	5.0	**0.48**	1.0	**0.6**	1.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	**0.38**	1.0	**0.31**	1.0
Tetrachloroethene	5	< 5.0	5.0	**0.37**	1.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	<1.0	1.0	< 1.0	1.0
Tetrahydrofuran (THF)		< 50	50	< 5.0	5.0	< 5.0	5.0	< 50	50	< 5.0	5.0	< 50	50	<5.0	5.0	< 5.0	5.0
Toluene	5	< 5.0	5.0	< 1.0	1.0	**0.26**	1.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	**0.56**	1.0	< 1.0	1.0
trans-1,2-Dichloroethene	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
trans-1,3-Dichloropropene	0.4	< 5.0	5.0	< 0.40	0.40	< 0.40	0.40	< 2.5	2.5	< 0.40	0.40	< 2.5	2.5	<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	< 25	25	< 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	< 5.0	5.0	< 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	< 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	< 1.0	1.0	< 5.0	5.0	<1.0	1.0	< 1.0	1.0
Vinyl Chloride	2	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 2.5	2.5	<1.0	1.0	< 1.0	1.0
1,4 - dioxane		-	-	-	-	-	-	< 0.20	0.20	< 100	100	< 1000	1,000	<100	100	< 100	100
Total VOCs		**1563.8**		**616.69**		**388.66**		**334.8**		**230.49**		**520.00**		**433.00**		**554.94**	

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

Table 1
1828-1850 Ocean Avenue
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	Quarterly Groundwater Sampling (17GW1)															
		17GW1		17GW1		17GW1		17GW1		176W1		17GW1		17GW1		17GW1	
		8/21/2019		9/10/2019		11/27/2019		3/26/2020		6/29/2020		9/29/2020		12/11/2020		3/29/2021	
		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
	µg/L	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachlorothane	5	< 1.0	1.0	< 63	63	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	5	< 5.0	5.0	< 63	63	< 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	< 1.0	1.0	< 63	63	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	1	< 1.0	1.0	< 63	63	< 1.0	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	5	< 5.0	5.0	< 63	63	< 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	< 1.0	1.0	< 63	63	< 1.0	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	< 63	63	< 1.0	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		< 1.0	1.0	< 250	250	< 1.0	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	0.04	< 0.25	0.25	< 63	63	< 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	< 250	250	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,4-Trimethylbenzene	5	**44**	20	**100**	63	**29**	1.0	**16**	1.0	**8.9**	1.0	**1.9**	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dibromo-3-chloropropane	0.04	< 0.50	0.50	< 130	130	< 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		< 0.25	0.25	< 63	63	< 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	5	< 1.0	1.0	< 63	63	< 1.0	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	0.6	< 0.60	0.60	< 130	130	< 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	0.94	< 1.0	1.0	< 63	63	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	**3.5**	1.0	< 63	63	**2.1**	1.0	**1.8**	1.0	**1.4**	1.0	**0.29**	1.0	< 1.0	1.0	**0.25**	1.0
1,3-Dichlorobenzene		< 1.0	1.0	< 63	63	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichloropropane	5	< 1.0	1.0	< 63	63	< 1.0	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	< 1.0	1.0	< 63	63	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,2-Dichloropropane	5	< 1.0	1.0	< 63	63	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	5	< 1.0	1.0	< 63	63	< 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-Hexanone (Methyl Butyl Ketone)		< 2.5	2.5	< 130	130	< 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-Isopropyltoluene	5	< 1.0	1.0	< 63	63	< 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	< 1.0	1.0	< 63	63	< 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	< 130	130	< 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	50	**17**	5.0	< 500	500	**12**	5.0	**10**	5.0	**5.9**	5.0	**7.5**	5.0	**11**	5.0	**11**	5.0
Acrolein		< 5.0	5.0	< 630	630	< 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	< 5.0	5.0	< 130	130	< 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	< 0.70	0.70	< 63	63	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	**0.33**	0.70	< 0.70	0.70	< 0.70	0.70
Bromobenzene	5	< 1.0	1.0	< 63	63	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	5	< 1.0	1.0	< 63	63	< 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	< 63	63	< 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	< 63	63	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Bromomethane	5	< 5.0	5.0	< 63	63	**0.64**	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	< 1.0	1.0	< 63	63	< 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	5	< 1.0	1.0	< 63	63	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	5	< 5.0	5.0	< 63	63	< 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	< 63	63	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	**0.39**	5.0
Chloroform	7	**0.57**	5.0	< 63	63	< 5.0	5.0	< 5.0	5.0	**0.27**	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloromethane	60	< 5.0	5.0	< 63	63	< 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	< 1.0	1.0	< 63	63	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
cis-1,3-Dichloropropene		< 0.40	0.40	< 63	63	< 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	< 63	63	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dibromomethane	5	< 1.0	1.0	< 63	63	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	5	< 1.0	1.0	< 63	63	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	5	**17**	1.0	< 63	63	**11**	1.0	**6.4**	1.0	**1.6**	1.0	**0.65**	1.0	**1.3**	1.0	**1.2**	1.0
Hexachlorobutadiene	0.5	< 0.50	0.50	< 50	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	5	**4.2**	1.0	< 63	63	**1.8**	1.0	**1.2**	1.0	**0.51**	1.0	< 1.0	1.0	**0.32**	1.0	**0.38**	1.0
m&p-Xylenes		**7**	1.0	< 250	250	**5.3**	1.0	**3.8**	1.0	**1.7**	1.0	**0.48**	1.0	< 1.0	1.0	**0.5**	1.0
Methyl Ethyl Ketone (2-Butanone)	50	**6**	2.5	< 500	500	**6.5**	2.5	**5.7**	2.5	**2.8**	2.5	**3.4**	2.5	**4.4**	2.5	**5.5**	2.5
Methyl t-butyl ether (MTBE)	10	< 1.0	1.0	< 250	250	< 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	5	< 3.0	3.0	< 130	130	< 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	10	**10**	1.0	< 130	130	**9.9**	1.0	**7.1**	1.0	**3**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Butylbenzene	5	**0.66**	1.0	< 63	63	**0.32**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Propylbenzene	5	**8.4**	1.0	< 63	63	**3.6**	1.0	**2.2**	1.0	**1.4**	1.0	**0.36**	1.0	**0.79**	1.0	**0.8**	1.0
o-Xylene	5	< 1.0	1.0	< 63	63	< 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		**0.49**	1.0	< 63	63	< 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	5	< 1.0	1.0	< 63	63	**0.28**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Styrene	5	< 1.0	1.0	< 63	63	< 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- Butylalcohol		< 50	50	< 13000	13,000	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50
tert-Butylbenzene	5	< 1.0	1.0	< 63	63	< 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	5	< 1.0	1.0	< 63	63	< 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	< 310	310	< 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	5	< 1.0	1.0	< 63	63	< 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	5	< 5.0	5.0	< 63	63	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
trans-1,3-Dichloropropene	0.4	< 0.40	0.40	< 63	63	< 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	5	< 2.5	2.5	< 630	630	< 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	5	< 1.0	1.0	< 63	63	< 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	5	< 1.0	1.0	< 63	63	< 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	< 63	63	< 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	2	< 1.0	1.0	< 63	63	< 1.0	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	< 25000	25,000	< 100	100	< 0.20	0.20	< 100	100	< 100	100	< 0.20	0.20	< 0.20	0.20
Total VOCs		**118.82**		**100.00**		**82.44**		**54.20**		**27.48**		**14.91**		**17.81**		**20.02**	

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

Table 1
1828-1850 Ocean Avenue
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	Quarterly Groundwater Sampling (17GW1)					
		17GW1		17GW1		17GW1	
		6/28/2021		9/30/2021		3/28/2022	
		µg/L		µg/L		µg/L	
	µg/L	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachlorothane	5	< 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
1,1,2,2-Tetrachloroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	1	< 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
1,1-Dichloroethene	5	< 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
1,2,3-Trichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichloropropane	0.04	< 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
1,2,4-Trimethylbenzene	5	< 1.0	1.0	**24**	1.0	**27**	1.0
1,2-Dibromo-3-chloropropane	0.04	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
1,2-Dibromoethane		< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,2-Dichlorobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dichloroethane	0.6	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60
1,2-Dichloropropane	0.94	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	< 1.0	1.0	**5.1**	1.0	**5.4**	1.0
1,3-Dichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-Dichlorobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,2-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Hexanone (Methyl Butyl Ketone)		< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
2-Isopropyltoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Chlorotoluene	5	< 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
Acetone	50	**26**	5.0	**16**	5.0	**55**	25
Acrolein		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Acrylonitrile	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Benzene	1	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70
Bromobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	5	< 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
Bromoform		< 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
Carbon Disulfide	60	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Carbon tetrachloride	5	< 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
Chloroethane	5	**0.68**	5.0	**0.28**	5.0	**0.35**	5.0
Chloroform	7	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloromethane	60	**0.34**	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
cis-1,3-Dichloropropene		< 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
Dibromomethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	5	**2**	1.0	**3.3**	1.0	**2.9**	1.0
Hexachlorobutadiene	0.5	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	5	**0.8**	1.0	**1.6**	1.0	**1.7**	1.0
m&p-Xylenes		< 1.0	1.0	**2.6**	1.0	**2.2**	1.0
Methyl Ethyl Ketone (2-Butanone)	50	**14**	2.5	**7.8**	2.5	**26**	2.5
Methyl t-butyl ether (MTBE)	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methylene chloride	5	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0
Naphthalene	10	< 1.0	1.0	**8.3**	1.0	**9.2**	1.0
n-Butylbenzene	5	< 1.0	1.0	**0.91**	1.0	**1.4**	1.0
n-Propylbenzene	5	**1.7**	1.0	**4.3**	1.0	**4.3**	1.0
o-Xylene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
p-Isopropyltoluene		< 1.0	1.0	**0.52**	1.0	**0.66**	1.0
sec-Butylbenzene	5	< 1.0	1.0	**0.47**	1.0	**0.54**	1.0
Styrene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
tert- Butylalcohol		< 50	50	< 50	50	< 50	50
tert-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tetrachloroethene	5	< 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
Toluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
trans-1,2-Dichloroethene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
trans-1,3-Dichloropropene	0.4	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Trichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorofluoromethane	5	< 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
Vinyl Chloride	2	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4 - dioxane		< 0.20	0.20	< 0.20	0.20	< 100	100
Total VOCs		**45.52**		**75.18**		**136.65**	

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

Table 1
1828-1850 Ocean Avenue
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	Quarterly Groundwater Sampling (17GW2)															
		17GW2 (Baseline)		17GW2		17GW2		17GW2		17GW2		17GW2		17GW2		17GW2	
		11/13/2017		12/18/2017		3/15/2018		6/14/2018		8/27/2018		12/14/2018		1/30/2019		4/3/2019	
		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
	µg/L	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachlorothane	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
1,1,1-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	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	1	< 5.0	5.0	< 1.0	1.0	< 2.5	2.5	< 1.0	1.0	< 1.0	1.0	< 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	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
1,1-Dichloropropene		< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
1,2,3-Trichlorobenzene		< 20	20	< 1.0	1.0	< 10	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
1,2,3-Trichloropropane	0.04	< 5.0	5.0	< 0.25	0.25	< 2.5	2.5	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	<0.25	0.25	< 0.25	0.25
1,2,4-Trichlorobenzene		< 20	20	< 1.0	1.0	< 10	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
1,2,4-Trimethylbenzene	5	**2,100**	100	**380**	20	**640**	50	**2.1**	1.0	**0.46**	1.0	**0.62**	1.0	<1.0	1.0	< 1.0	1.0
1,2-Dibromo-3-chloropropane	0.04	< 10	10	< 0.50	0.50	< 5.0	5.0	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	<0.50	0.50	< 0.50	0.50
1,2-Dibromoethane		< 5.0	5.0	< 0.25	0.25	< 2.5	2.5	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	<0.25	0.25	< 0.25	0.25
1,2-Dichlorobenzene	5	< 5.0	5.0	< 1.0	1.0	< 4.7	4.7	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
1,2-Dichloroethane	0.6	< 10	10	< 0.60	0.60	< 5.0	5.0	< 0.60	0.60	< 0.60	0.60	< 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	< 2.5	2.5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	**480**	20	**64**	20	**110**	10	**0.54**	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
1,3-Dichlorobenzene		< 5.0	5.0	**0.32**	1.0	< 3.0	3.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
1,3-Dichloropropane	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
1,4-Dichlorobenzene	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
2,2-Dichloropropane	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
2-Chlorotoluene	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
2-Hexanone (Methyl Butyl Ketone)		< 50	50	< 2.5	2.5	< 25	25	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	<0.25	0.25	< 2.5	2.5
2-Isopropyltoluene	5	< 5.0	5.0	**2.4**	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
4-Chlorotoluene	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
4-Methyl-2-Pentanone		< 50	50	< 2.5	2.5	< 25	25	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	<0.25	0.25	< 2.5	2.5
Acetone	50	< 50	50	< 5.0	5.0	< 50	50	< 5.0	5.0	**3.8**	5.0	**2.5**	5.0	**4.8**	5.0	< 5.0	5.0
Acrolein		< 50	50	< 5.0	5.0	< 25	25	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
Acrylonitrile	5	< 50	50	< 5.0	5.0	< 25	25	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
Benzene	1	**6.9**	14	< 0.70	0.70	< 2.5	2.5	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	<0.70	0.70	< 0.70	0.70
Bromobenzene	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Bromochloromethane	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Bromodichloromethane		< 20	20	< 1.0	1.0	< 10	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Bromoform		< 50	50	< 5.0	5.0	< 50	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
Bromomethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
Carbon Disulfide	60	< 20	20	< 1.0	1.0	< 10	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Carbon tetrachloride	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Chlorobenzene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
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	< 7.0	7.0	< 5.0	5.0	< 7.0	7.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
Chloromethane	60	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
cis-1,3-Dichloropropene		< 5.0	5.0	< 0.40	0.40	< 2.5	2.5	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	<0.40	0.40	< 0.40	0.40
Dibromochloromethane		< 20	20	< 1.0	1.0	< 10	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Dibromomethane	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Ethylbenzene	5	**1,400**	100	**250**	20	**470**	50	**0.69**	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Hexachlorobutadiene	0.5	< 4.0	4.0	< 0.50	0.50	< 2.0	2.0	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	<0.50	0.50	< 0.50	0.50
Isopropylbenzene	5	**81**	20	**25**	20	**34**	10	**0.29**	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
m&p-Xylenes		**1,300**	100	**380**	20	**570**	10	**0.53**	1.0	< 1.0	1.0	**0.65**	1.0	<1.0	1.0	< 1.0	1.0
Methyl Ethyl Ketone (2-Butanone)	50	< 50	50	< 2.5	2.5	< 25	25	< 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)	10	< 20	20	< 1.0	1.0	< 10	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Methylene chloride	5	< 20	20	< 3.0	3.0	< 10	10	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	<3.0	3.0	< 3.0	3.0
Naphthalene	10	**450**	100	**140**	20	**160**	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
n-Butylbenzene	5	**13**	20	**9.5**	1.0	**8.9**	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
n-Propylbenzene	5	**210**	20	**49**	20	**72**	10	**0.67**	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
o-Xylene	5	**740**	100	**23**	20	**45**	10	< 1.0	1.0	< 1.0	1.0	**0.27**	1.0	<1.0	1.0	< 1.0	1.0
p-Isopropyltoluene		**7.7**	20	**4.4**	1.0	**3.9**	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
sec-Butylbenzene	5	**12**	20	**5.7**	1.0	**6.4**	10	< 1.0	1.0	< 1.0	1.0	**0.44**	1.0	<1.0	1.0	< 1.0	1.0
Styrene	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
tert- Butylalcohol		-	-	-	-	-	-	< 50	50	< 50	50	< 50	50	<50	50	< 50	50
tert-Butylbenzene	5	< 5.0	5.0	**0.65**	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Tetrachloroethene	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Tetrahydrofuran (THF)		< 50	50	< 5.0	5.0	< 50	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
Toluene	5	**40**	20	**3.5**	1.0	**2.6**	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
trans-1,2-Dichloroethene	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
trans-1,3-Dichloropropene	0.4	< 5.0	5.0	< 0.40	0.40	< 2.5	2.5	< 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	5	< 50	50	< 2.5	2.5	< 25	25	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	<2.5	2.5	< 2.5	2.5
Trichloroethene	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Trichlorofluoromethane	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Trichlorotrifluoroethane		< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Vinyl Chloride	2	< 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	< 1.0	1.0
1,4 - dioxane		-	-	-	-	-	-	-	-	< 100	100	< 100	100	<100	100	< 100	100
Total VOCs		**6840.6**		**1337.5**		**2122.8**		**4.82**		**4.26**		**4.48**		**4.80**		**0.00**	

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

Table 1
1828-1850 Ocean Avenue
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	Quarterly Groundwater Sampling (17GW2)															
		17GW2		17GW2		17GW2		17GW2		176W2		17GW2		17GW2		17GW2	
		8/21/2019		9/10/2019		11/27/2019		3/26/2020		6/29/2020		9/29/2020		12/11/2020		3/29/2021	
		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
	µg/L	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachlorothane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	1	< 1.0	1.0	< 1.0	1.0	< 1.0	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	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	< 1.0	1.0	< 1.0	1.0	< 1.0	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		< 1.0	1.0	< 1.0	1.0	< 1.0	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	0.04	< 0.25	0.25	< 0.25	0.25	< 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	5	< 1.0	1.0	**0.28**	1.0	< 1.0	1.0	**0.26**	1.0	**1.3**	1.0	**1.9**	1.0	**9.9**	1.0	**8.1**	1.0
1,2-Dibromo-3-chloropropane	0.04	< 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
1,2-Dibromoethane		< 0.25	0.25	< 0.25	0.25	< 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	5	< 1.0	1.0	< 1.0	1.0	< 1.0	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	0.6	< 0.60	0.60	< 0.60	0.60	< 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	0.94	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**0.85**	1.0	**1.7**	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	5	< 1.0	1.0	< 1.0	1.0	< 1.0	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	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,2-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 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-Hexanone (Methyl Butyl Ketone)		< 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
2-Isopropyltoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**0.75**	1.0
4-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 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	50	< 5.0	5.0	< 5.0	5.0	**3.6**	5.0	< 5.0	5.0	< 5.0	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	< 5.0	5.0	< 5.0	5.0	< 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	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	**0.28**	0.70	< 0.70	0.70
Bromobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	5	< 1.0	1.0	< 1.0	1.0	< 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	< 5.0	5.0	< 5.0	5.0	**0.66**	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	< 1.0	1.0	< 1.0	1.0	< 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	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
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	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloromethane	60	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	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	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	5	< 1.0	1.0	**0.61**	1.0	< 1.0	1.0	**0.41**	1.0	**0.55**	1.0	**1.2**	1.0	**7.1**	1.0	**4.2**	1.0
Hexachlorobutadiene	0.5	< 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	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**4.8**	1.0	**10**	1.0
m&p-Xylenes		< 1.0	1.0	**0.31**	1.0	< 1.0	1.0	< 1.0	1.0	**0.68**	1.0	**1.3**	1.0	**6.4**	1.0	**6.5**	1.0
Methyl Ethyl Ketone (2-Butanone)	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	< 2.5	2.5
Methyl t-butyl ether (MTBE)	10	< 1.0	1.0	< 1.0	1.0	< 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	5	< 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	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**6.4**	1.0	**2.8**	1.0
n-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**2.3**	1.0
n-Propylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**3.4**	1.0	**11**	1.0
o-Xylene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**0.35**	1.0	**0.63**	1.0	**2.1**	1.0	**1.3**	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	**0.27**	1.0
sec-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**0.31**	1.0	**2.4**	1.0
Styrene	5	< 1.0	1.0	< 1.0	1.0	< 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- Butylalcohol		< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50
tert-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 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	5	< 1.0	1.0	< 1.0	1.0	< 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	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**0.35**	1.0	**0.29**	1.0
trans-1,2-Dichloroethene	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
trans-1,3-Dichloropropene	0.4	< 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	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	2.5
Trichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 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	5	< 1.0	1.0	< 1.0	1.0	< 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	2	< 1.0	1.0	< 1.0	1.0	< 1.0	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	< 0.20	0.20	< 100	100	< 100	100	< 0.20	0.20	< 0.20	0.20
Total VOCs		**0.00**		**1.20**		**4.26**		**0.67**		**2.88**		**5.03**		**41.89**		**51.61**	

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

Table 1
1828-1850 Ocean Avenue
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	Quarterly Groundwater Sampling (17GW2)							
		17GW2		17GW2		17GW2		17GW2	
		6/28/2021		9/30/2021		1/12/2022		3/28/2022	
		µg/L		µg/L		µg/L		µg/L	
	µg/L	Results	RL	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachlorothane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	1	< 1.0	1.0	< 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
1,1-Dichloroethene	5	< 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
1,2,3-Trichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichloropropane	0.04	< 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
1,2,4-Trimethylbenzene	5	**5.2**	1.0	**33**	5.0	**14**	1.0	**36**	5.0
1,2-Dibromo-3-chloropropane	0.04	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
1,2-Dibromoethane		< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,2-Dichlorobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dichloroethane	0.6	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60
1,2-Dichloropropane	0.94	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	< 1.0	1.0	**4.7**	1.0	**1**	1.0	**3.3**	1.0
1,3-Dichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-Dichlorobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,2-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Hexanone (Methyl Butyl Ketone)		< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
2-Isopropyltoluene	5	< 1.0	1.0	< 1.0	1.0	**0.27**	1.0	< 1.0	1.0
4-Chlorotoluene	5	< 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
Acetone	50	< 5.0	5.0	**3.5**	5.0	**2.5**	5.0	< 5.0	5.0
Acrolein		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Acrylonitrile	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Benzene	1	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	**0.34**	0.70
Bromobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	5	< 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
Bromoform		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Bromomethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide	60	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Carbon tetrachloride	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroethane	5	< 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
Chloromethane	60	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
cis-1,3-Dichloropropene		< 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
Dibromomethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	5	**2.2**	1.0	**19**	1.0	**2.6**	1.0	**7.7**	1.0
Hexachlorobutadiene	0.5	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	5	**0.52**	1.0	**4.1**	1.0	**3.5**	1.0	**4**	1.0
m&p-Xylenes		**1.8**	1.0	**29**	1.0	**2.9**	1.0	**26**	1.0
Methyl Ethyl Ketone (2-Butanone)	50	**4.6**	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Methyl t-butyl ether (MTBE)	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methylene chloride	5	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0
Naphthalene	10	**1.1**	1.0	**15**	1.0	**7.2**	1.0	**14**	1.0
n-Butylbenzene	5	< 1.0	1.0	**0.32**	1.0	**0.27**	1.0	**0.42**	1.0
n-Propylbenzene	5	**0.66**	1.0	**5.6**	1.0	**2.8**	1.0	**4.6**	1.0
o-Xylene	5	**0.56**	1.0	**6.2**	1.0	**1.8**	1.0	**4.5**	1.0
p-Isopropyltoluene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
sec-Butylbenzene	5	**0.42**	1.0	**0.94**	1.0	**0.75**	1.0	**0.86**	1.0
Styrene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
tert- Butylalcohol		< 50	50	< 50	50	< 50	50	< 50	50
tert-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tetrachloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tetrahydrofuran (THF)		**6.1**	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Toluene	5	< 1.0	1.0	**1.2**	1.0	**0.38**	1.0	**0.67**	1.0
trans-1,2-Dichloroethene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
trans-1,3-Dichloropropene	0.4	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Trichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorofluoromethane	5	< 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
Vinyl Chloride	2	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4 - dioxane		< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
Total VOCs		**23.16**		**122.56**		**39.97**		**102.39**	

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

Table 1
1828-1850 Ocean Avenue
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	Quarterly Groundwater Sampling (17GW3)															
		17GW3 (Baseline)		17GW3		17GW3		17GW3		17GW3		17GW3		17GW3		17GW3	
		11/13/2017		12/18/2017		3/15/2018		6/14/2018		8/27/2018		12/14/2018		1/30/2019		4/3/2019	
		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
	µg/L	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachlorothane	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 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	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 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	< 2.5	2.5	< 1.0	1.0	< 1.0	1.0	< 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	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
1,1-Dichloropropene		< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
1,2,3-Trichlorobenzene		< 20	20	< 1.0	1.0	< 10	10	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
1,2,3-Trichloropropane	0.04	< 5.0	5.0	< 0.25	0.25	< 2.5	2.5	< 0.25	0.25	< 0.50	0.50	< 0.25	0.25	<0.25	0.25	< 0.25	0.25
1,2,4-Trichlorobenzene		< 20	20	< 1.0	1.0	< 10	10	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
1,2,4-Trimethylbenzene	5	**1,600**	200	**290**	10	**140**	10	**420**	13	**150**	5.0	**55**	5.0	**38**	5.0	**35**	2.0
1,2-Dibromo-3-chloropropane	0.04	< 10	10	< 0.50	0.50	< 5.0	5.0	< 0.50	0.50	< 1.0	1.0	< 0.50	0.50	<0.50	0.50	< 0.50	0.50
1,2-Dibromoethane		< 5.0	5.0	< 0.25	0.25	< 2.5	2.5	< 0.25	0.25	< 0.50	0.50	< 0.25	0.25	<0.25	0.25	< 0.25	0.25
1,2-Dichlorobenzene	5	< 5.0	5.0	< 1.0	1.0	< 4.7	4.7	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
1,2-Dichloroethane	0.6	< 10	10	< 0.60	0.60	< 5.0	5.0	< 0.60	0.60	< 1.0	1.0	< 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	< 2.5	2.5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	**190**	20	**21**	1.0	**17**	10	**66**	5.0	**16**	2.0	**5.1**	1.0	**3**	1.0	**2.8**	1.0
1,3-Dichlorobenzene		< 5.0	5.0	**0.3**	1.0	< 3.0	3.0	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
1,3-Dichloropropane	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
1,4-Dichlorobenzene	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
2,2-Dichloropropane	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
2-Chlorotoluene	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
2-Hexanone (Methyl Butyl Ketone)		< 50	50	< 2.5	2.5	< 25	25	< 2.5	2.5	< 5.0	5.0	< 2.5	2.5	<2.5	2.5	< 2.5	2.5
2-Isopropyltoluene	5	< 5.0	5.0	**5.2**	1.0	**5.2**	10	**1.2**	1.0	< 2.0	2.0	**0.43**	1.0	<1.0	1.0	< 1.0	1.0
4-Chlorotoluene	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
4-Methyl-2-Pentanone		< 50	50	< 2.5	2.5	< 25	25	< 2.5	2.5	< 5.0	5.0	< 2.5	2.5	<2.5	2.5	< 2.5	2.5
Acetone	50	< 50	50	< 50	50	< 50	50	< 5.0	5.0	**12**	10	< 5.0	5.0	**6.5**	5.0	< 5.0	5.0
Acrolein		< 50	50	< 5.0	5.0	< 25	25	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
Acrylonitrile	5	< 50	50	< 5.0	5.0	< 25	25	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
Benzene	1	**12**	14	< 0.70	0.70	< 2.5	2.5	**2.3**	0.70	< 0.70	0.70	< 0.70	0.70	<0.70	0.70	< 0.70	0.70
Bromobenzene	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Bromochloromethane	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Bromodichloromethane		< 20	20	< 1.0	1.0	< 10	10	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Bromoform		< 50	50	< 5.0	5.0	< 50	50	< 5.0	5.0	< 10	10	< 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	< 10	10	**0.38**	1.0	**0.65**	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Carbon tetrachloride	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 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	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
Chloroform	7	< 7.0	7.0	< 5.0	5.0	< 7.0	7.0	< 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	< 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	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
cis-1,3-Dichloropropene		< 5.0	5.0	< 0.40	0.40	< 2.5	2.5	< 0.40	0.40	< 0.50	0.50	< 0.40	0.40	<0.40	0.40	< 0.40	0.40
Dibromochloromethane		< 20	20	< 1.0	1.0	< 10	10	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Dibromomethane	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Ethylbenzene	5	**470**	20	**56**	10	**37**	10	**200**	5.0	**55**	2.0	**9.8**	1.0	**8.6**	1.0	**18**	1.0
Hexachlorobutadiene	0.5	< 4.0	4.0	< 0.50	0.50	< 2.0	2.0	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	<0.50	0.50	< 0.50	0.50
Isopropylbenzene	5	**71**	20	**60**	10	**53**	10	**24**	1.0	**6.7**	2.0	**2.1**	1.0	**1.5**	1.0	**2.1**	1.0
m&p-Xylenes		**450**	20	**21**	1.0	**17**	10	**34**	1.0	**25**	2.0	**4.5**	1.0	**1.8**	1.0	**6.9**	1.0
Methyl Ethyl Ketone (2-Butanone)	50	< 50	50	< 2.5	2.5	< 25	25	< 2.5	2.5	< 5.0	5.0	< 2.5	2.5	<2.5	2.5	< 2.5	2.5
Methyl t-butyl ether (MTBE)	10	< 20	20	< 1.0	1.0	< 10	10	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Methylene chloride	5	< 20	20	< 3.0	3.0	< 10	10	< 3.0	3.0	< 5.0	5.0	< 3.0	3.0	<3.0	3.0	< 3.0	3.0
Naphthalene	10	**210**	20	**110**	10	**150**	10	**100**	10	**24**	2.0	**4.5**	1.0	**3.1**	1.0	**5.4**	1.0
n-Butylbenzene	5	**10**	20	**17**	1.0	**16**	10	**4.8**	1.0	**1.9**	2.0	**0.73**	1.0	**0.68**	1.0	**0.68**	1.0
n-Propylbenzene	5	**160**	20	**150**	10	**120**	10	**59**	5.0	**15**	2.0	**5.1**	1.0	**3.4**	1.0	**4.3**	1.0
o-Xylene	5	**180**	20	**1.1**	1.0	< 5.0	5.0	**6.2**	1.0	**1**	2.0	**0.48**	1.0	**0.35**	1.0	**0.46**	1.0
p-Isopropyltoluene		**5.5**	20	**9.1**	1.0	**8.8**	10	**2.8**	1.0	**1**	2.0	**0.64**	1.0	**0.36**	1.0	**0.35**	1.0
sec-Butylbenzene	5	**9.5**	20	**11**	1.0	**10**	10	**3.5**	1.0	< 2.0	2.0	**0.59**	1.0	**0.37**	1.0	**0.49**	1.0
Styrene	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<50	50	< 1.0	1.0
tert- Butylalcohol		-	-	-	-	-	-	< 50	50	< 100	100	< 50	50	<1.0	1.0	< 50	50
tert-Butylbenzene	5	< 5.0	5.0	**1.3**	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Tetrachloroethene	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Tetrahydrofuran (THF)		< 50	50	< 5.0	5.0	< 50	50	< 5.0	5.0	< 10	10	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
Toluene	5	**25**	20	**0.64**	1.0	< 5.0	5.0	**2.7**	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
trans-1,2-Dichloroethene	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
trans-1,3-Dichloropropene	0.4	< 5.0	5.0	< 0.40	0.40	< 2.5	2.5	< 0.40	0.40	< 0.50	0.50	< 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	< 25	25	< 2.5	2.5	< 5.0	5.0	< 2.5	2.5	<2.5	2.5	< 2.5	2.5
Trichloroethene	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Trichlorofluoromethane	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Trichlorotrifluoroethane		< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Vinyl Chloride	2	< 5.0	5.0	< 1.0	1.0	< 2.5	2.5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
1,4 - dioxane		-	-	-	-	-	-	< 100	100	< 200	200	< 100	100	<100	100	< 100	100
Total VOCs		**3393**		**754**		**574**		**926.88**		**308.25**		**88.97**		**61.16**		**76.48**	

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

Table 1
1828-1850 Ocean Avenue
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	Quarterly Groundwater Sampling (17GW3)											
		17GW3		17GW3		17GW3		17GW3		17GW3		17GW3	
		8/21/2019		9/10/2019		11/27/2019		10/14/2021		1/12/2022		3/28/2022	
		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
	µg/L	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachlorothane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	1	< 1.0	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	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
1,1-Dichloroethene	5	< 1.0	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
1,2,3-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
1,2,3-Trichloropropane	0.04	< 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
1,2,4-Trimethylbenzene	5	**27**	1.0	**6.2**	1.0	**79**	20	**5.2**	1.0	**1.8**	1.0	< 1.0	1.0
1,2-Dibromo-3-chloropropane	0.04	< 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		< 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	5	< 1.0	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	0.6	< 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	0.94	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	**1.1**	1.0	< 1.0	1.0	**1.2**	1.0	**0.41**	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
1,3-Dichloropropane	5	< 1.0	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	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,2-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	5	< 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-Hexanone (Methyl Butyl Ketone)		< 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-Isopropyltoluene	5	< 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	< 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
Acetone	50	**4.4**	5.0	< 5.0	5.0	**3.9**	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Acrolein		**4.4**	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Acrylonitrile	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
Benzene	1	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70
Bromobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	5	< 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
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
Bromomethane	5	< 5.0	5.0	< 5.0	5.0	**0.66**	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide	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
Carbon tetrachloride	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroethane	5	**0.39**	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	< 5.0	5.0
Chloromethane	60	**0.36**	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	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	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
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
Dibromomethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	5	**15**	1.0	**3.3**	1.0	**19**	1.0	**3.2**	1.0	**1.5**	1.0	< 1.0	1.0
Hexachlorobutadiene	0.5	< 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	5	**1.8**	1.0	**0.48**	1.0	**6.4**	1.0	**0.73**	1.0	**0.76**	1.0	< 1.0	1.0
m&p-Xylenes		**5.1**	1.0	< 1.0	1.0	**6.8**	1.0	**1.1**	1.0	< 1.0	1.0	< 1.0	1.0
Methyl Ethyl Ketone (2-Butanone)	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
Methyl t-butyl ether (MTBE)	10	< 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	5	< 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	10	**4.8**	1.0	< 1.0	1.0	**9.1**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Butylbenzene	5	**0.39**	1.0	< 1.0	1.0	**0.35**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Propylbenzene	5	**3.5**	1.0	**1.1**	1.0	**13**	1.0	**1.5**	1.0	**1.6**	1.0	< 1.0	1.0
o-Xylene	5	**0.45**	1.0	< 1.0	1.0	**1.5**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
p-Isopropyltoluene		< 1.0	1.0	< 1.0	1.0	**0.29**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
sec-Butylbenzene	5	**0.27**	1.0	< 1.0	1.0	**0.43**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Styrene	5	< 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- Butylalcohol		< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50
tert-Butylbenzene	5	< 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	5	< 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
Toluene	5	< 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	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
trans-1,3-Dichloropropene	0.4	< 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	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	5	< 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	5	< 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
Vinyl Chloride	2	< 1.0	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	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
Total VOCs		**68.96**		**11.08**		**141.63**		**12.14**		**5.66**		**N/A**	

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

Table 1
1828-1850 Ocean Avenue
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	Quarterly Groundwater Sampling (17GW4)															
		17GW4 (Baseline)		17GW4		17GW4		17GW4		17GW4		17GW4		17GW4		17GW4	
		11/16/2017		12/18/2017		3/15/2018		6/14/2018		8/27/2018		12/14/2018		1/30/2019		4/3/2019	
		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
	µg/L	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachlorothane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	1	< 1.0	1.0	< 1.0	1.0	< 1.0	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	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	< 1.0	1.0	< 1.0	1.0	< 1.0	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		< 1.0	1.0	< 1.0	1.0	< 1.0	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	0.04	< 0.25	0.25	< 0.25	0.25	< 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	5	**230**	10	**220**	10	**64**	5.0	**5.1**	1.0	**2.7**	1.0	**16**	1.0	**0.82**	1.0	**4.6**	1.0
1,2-Dibromo-3-chloropropane	0.04	< 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
1,2-Dibromoethane		< 0.25	0.25	< 0.25	0.25	< 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	5	< 1.0	1.0	< 1.0	1.0	< 1.0	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	0.6	< 0.60	0.60	< 0.60	0.60	< 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	0.94	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	**0.3**	1.0	**0.72**	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
1,3-Dichlorobenzene		< 1.0	1.0	**0.32**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
1,3-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	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	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
2,2-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
2-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 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-Hexanone (Methyl Butyl Ketone)		< 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
2-Isopropyltoluene	5	**4.2**	1.0	**3.9**	1.0	**4.6**	1.0	**2.6**	1.0	**1.2**	1.0	**3.8**	1.0	**0.59**	1.0	**1**	1.0
4-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 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	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	**3.8**	5.0	**3**	5.0	**4.3**	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	< 5.0	5.0	< 5.0	5.0	< 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	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	<0.70	0.70	< 0.70	0.70
Bromobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Bromochloromethane	5	< 1.0	1.0	< 1.0	1.0	< 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	< 5.0	5.0	< 5.0	5.0	< 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	< 1.0	1.0	< 1.0	1.0	< 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	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Chlorobenzene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
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	**1.4**	5.0	**0.9**	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
Chloromethane	60	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	**0.31**	5.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	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	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
Ethylbenzene	5	**1.9**	1.0	**2**	1.0	**1.9**	1.0	**0.98**	1.0	**0.45**	1.0	**1.9**	1.0	<1.0	1.0	< 1.0	1.0
Hexachlorobutadiene	0.5	< 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	5	**12**	1.0	**16**	1.0	**15**	1.0	**8.7**	1.0	**3.9**	1.0	**13**	1.0	**1**	1.0	**1.6**	1.0
m&p-Xylenes		**2.2**	1.0	**3**	1.0	**0.39**	1.0	< 1.0	1.0	< 1.0	1.0	**0.79**	1.0	<1.0	1.0	< 1.0	1.0
Methyl Ethyl Ketone (2-Butanone)	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	< 2.5	2.5
Methyl t-butyl ether (MTBE)	10	< 1.0	1.0	< 1.0	1.0	< 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	5	**1.3**	3.0	**1.2**	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	10	< 1.0	1.0	< 3.0	3.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 1.0	1.0
n-Butylbenzene	5	**4.3**	1.0	**4.2**	1.0	**9.2**	1.0	**14**	1.0	**4.5**	1.0	**8.7**	1.0	**0.74**	1.0	**1**	1.0
n-Propylbenzene	5	**25**	10	**38**	10	**52**	5.0	**30**	1.0	**13**	1.0	**34**	2.0	**2.9**	1.0	**3.2**	1.0
o-Xylene	5	**1.2**	1.0	**1.6**	1.0	**0.46**	1.0	< 1.0	1.0	< 1.0	1.0	**0.47**	1.0	<1.0	1.0	< 1.0	1.0
p-Isopropyltoluene		**4.1**	1.0	**5**	1.0	**5.2**	1.0	**2.1**	1.0	**0.66**	1.0	**1.4**	1.0	**0.3**	1.0	< 1.0	1.0
sec-Butylbenzene	5	**3.4**	1.0	**3.4**	1.0	**5.7**	1.0	**6.5**	1.0	**2.9**	1.0	**6.1**	1.0	**0.62**	1.0	**1.1**	1.0
Styrene	5	< 1.0	1.0	< 1.0	1.0	< 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- Butylalcohol		-	-	-	-	-	-	< 50	50	< 50	50	< 50	50	<50	50	< 50	50
tert-Butylbenzene	5	**0.97**	1.0	**1.2**	1.0	**1.5**	1.0	**0.92**	1.0	**0.39**	1.0	**1.2**	1.0	<1.0	1.0	**0.3**	1.0
Tetrachloroethene	5	**0.27**	1.0	**0.26**	1.0	< 1.0	1.0	< 1.0	1.0	**0.5**	1.0	**0.64**	1.0	**3.5**	1.0	**2.4**	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	5	**0.37**	1.0	**0.61**	1.0	**0.5**	1.0	< 1.0	1.0	< 1.0	1.0	**0.54**	1.0	<1.0	1.0	< 1.0	1.0
trans-1,2-Dichloroethene	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
trans-1,3-Dichloropropene	0.4	< 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	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	2.5
Trichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 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	5	< 1.0	1.0	< 1.0	1.0	< 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	2	< 1.0	1.0	< 1.0	1.0	< 1.0	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		-	-	-	-	-	-	< 0.20	0.20	< 100	100	< 100	100	<100	100	< 100	100
Total VOCs		**292.91**		**302.31**		**160.45**		**70.9**		**34.31**		**92.64**		**14.77**		**15.20**	

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

Table 1
1828-1850 Ocean Avenue
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	Quarterly Groundwater Sampling (17GW4)															
		17GW4		17GW4		17GW4		17GW4		176W4		17GW4		17GW4		17GW4	
		8/21/2019		9/10/2019		11/27/2019		3/26/2020		6/29/2020		9/29/2020		12/11/2020		3/29/2021	
		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
	µg/L	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachlorothane	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	1	< 1.0	1.0	< 1.0	1.0	< 1.0	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	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	< 1.0	1.0	< 2.0	2.0	< 1.0	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	< 2.0	2.0	< 1.0	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		< 1.0	1.0	< 2.0	2.0	< 1.0	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	0.04	< 0.25	0.25	< 0.50	0.50	< 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	< 2.0	2.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,4-Trimethylbenzene	5	**70**	20	**63**	20	**24**	20	**0.33**	1.0	**19**	1.0	**7.9**	1.0	< 1.0	1.0	**2.1**	1.0
1,2-Dibromo-3-chloropropane	0.04	< 0.50	0.50	< 1.0	1.0	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
1,2-Dibromoethane		< 0.25	0.25	< 0.50	0.50	< 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	5	< 1.0	1.0	< 2.0	2.0	< 1.0	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	0.6	< 0.60	0.60	< 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	0.94	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	**1.7**	1.0	**0.66**	2.0	**1.9**	1.0	< 1.0	1.0	< 1.0	1.0	**0.35**	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichlorobenzene		< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichloropropane	5	< 1.0	1.0	< 2.0	2.0	< 1.0	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	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,2-Dichloropropane	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	5	< 1.0	1.0	< 2.0	2.0	< 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-Hexanone (Methyl Butyl Ketone)		< 2.5	2.5	< 5.0	5.0	< 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-Isopropyltoluene	5	**3**	1.0	**3.6**	2.0	**2.8**	1.0	**2.4**	1.0	**1.3**	1.0	**2.3**	1.0	**1.3**	1.0	**6.1**	1.0
4-Chlorotoluene	5	< 1.0	1.0	< 2.0	2.0	< 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	< 5.0	5.0	< 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	50	< 5.0	5.0	< 10	10	**2.9**	5.0	< 5.0	5.0	< 5.0	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	< 5.0	5.0	< 5.0	5.0	< 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	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70
Bromobenzene	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	5	< 1.0	1.0	< 2.0	2.0	< 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	< 2.0	2.0	< 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	< 10	10	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Bromomethane	5	< 5.0	5.0	< 5.0	5.0	**0.64**	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	< 1.0	1.0	< 2.0	2.0	< 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	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
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	< 7.0	7.0	< 5.0	5.0	< 5.0	5.0	**0.67**	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloromethane	60	< 5.0	5.0	< 5.0	5.0	**0.26**	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	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**0.38**	1.0	**0.77**	1.0	**0.48**	1.0
cis-1,3-Dichloropropene		< 0.40	0.40	< 0.50	0.50	< 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	< 2.0	2.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dibromomethane	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	5	**9.7**	1.0	**4.4**	2.0	**1**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**2.1**	1.0
Hexachlorobutadiene	0.5	< 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	5	**21**	1.0	**24**	2.0	**21**	20	**22**	1.0	**1.3**	1.0	**6**	1.0	**3.1**	1.0	**17**	1.0
m&p-Xylenes		**4.6**	1.0	**2.1**	2.0	**0.45**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**1.1**	1.0
Methyl Ethyl Ketone (2-Butanone)	50	< 2.5	2.5	< 5.0	5.0	< 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)	10	< 1.0	1.0	< 2.0	2.0	< 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	5	< 3.0	3.0	< 5.0	5.0	< 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	10	**6.9**	1.0	**7.1**	2.0	**8.1**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**1**	1.0	**4.6**	1.0
n-Butylbenzene	5	**8.6**	1.0	**9.3**	2.0	**8.2**	1.0	**4**	1.0	**1.2**	1.0	**4.2**	1.0	**1.4**	1.0	**15**	1.0
n-Propylbenzene	5	**42**	20	**52**	2.0	**45**	20	**38**	2.0	**3.5**	1.0	**18**	1.0	**5.4**	1.0	**37**	10
o-Xylene	5	**2**	1.0	**1.4**	2.0	**0.39**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**0.28**	1.0
p-Isopropyltoluene		**1**	1.0	**1.3**	2.0	**0.4**	1.0	**0.28**	1.0	**0.83**	1.0	**0.46**	1.0	< 1.0	1.0	**0.46**	1.0
sec-Butylbenzene	5	**7.6**	1.0	**7.8**	2.0	**6.5**	1.0	**4.3**	1.0	**1.4**	1.0	**4.6**	1.0	**2.7**	1.0	**14**	1.0
Styrene	5	< 1.0	1.0	< 2.0	2.0	< 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- Butylalcohol		< 50	50	< 100	100	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50
tert-Butylbenzene	5	**1.1**	1.0	**1.2**	2.0	**1.1**	1.0	**0.88**	1.0	**0.31**	1.0	**0.74**	1.0	**0.48**	1.0	**2.1**	1.0
Tetrachloroethene	5	**1.8**	1.0	**1.3**	2.0	**1.4**	1.0	**0.98**	1.0	**3.1**	1.0	**1.6**	1.0	**1.5**	1.0	< 1.0	1.0
Tetrahydrofuran (THF)		< 5.0	5.0	< 10	10	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	**4.2**	5.0	< 5.0	5.0
Toluene	5	**0.81**	1.0	**0.91**	2.0	**1.1**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**0.34**	1.0
trans-1,2-Dichloroethene	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
trans-1,3-Dichloropropene	0.4	< 0.40	0.40	< 0.50	0.50	< 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	5	< 2.5	2.5	< 5.0	5.0	< 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	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	**0.28**	1.0	< 1.0	1.0	**0.67**	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorofluoromethane	5	< 1.0	1.0	< 2.0	2.0	< 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	< 2.0	2.0	< 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	2	< 1.0	1.0	< 2.0	2.0	< 1.0	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	< 200	200	< 100	100	< 0.20	0.20	< 100	100	< 100	100	< 0.20	0.20	< 0.20	0.20
Total VOCs		**181.81**		**180.07**		**127.14**		**73.45**		**32.61**		**47.20**		**21.85**		**102.66**	

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

Table 1
1828-1850 Ocean Avenue
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	Quarterly Groundwater Sampling (17GW4)							
		17GW4		17GW4		17GW4		17GW4	
		6/28/2021		9/30/2021		1/12/2022		3/28/2022	
		µg/L		µg/L		µg/L		µg/L	
	µg/L	Results	RL	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachlorothane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	1	< 1.0	1.0	< 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
1,1-Dichloroethene	5	< 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
1,2,3-Trichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichloropropane	0.04	< 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
1,2,4-Trimethylbenzene	5	**13**	1.0	**28**	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dibromo-3-chloropropane	0.04	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
1,2-Dibromoethane		< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,2-Dichlorobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dichloroethane	0.6	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60
1,2-Dichloropropane	0.94	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	**4.2**	1.0	**1.1**	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
1,3-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-Dichlorobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,2-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Hexanone (Methyl Butyl Ketone)		< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
2-Isopropyltoluene	5	**1.2**	1.0	**4.3**	1.0	**1.4**	1.0	**0.27**	1.0
4-Chlorotoluene	5	< 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
Acetone	50	< 5.0	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
Acrylonitrile	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Benzene	1	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70
Bromobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	5	< 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
Bromoform		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Bromomethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide	60	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Carbon tetrachloride	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroethane	5	< 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
Chloromethane	60	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	5	**0.43**	1.0	**0.67**	1.0	< 1.0	1.0	< 1.0	1.0
cis-1,3-Dichloropropene		< 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
Dibromomethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	5	**0.64**	1.0	**2.3**	1.0	< 1.0	1.0	< 1.0	1.0
Hexachlorobutadiene	0.5	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	5	**5.1**	1.0	**18**	1.0	**1.3**	1.0	< 1.0	1.0
m&p-Xylenes		< 1.0	1.0	**0.58**	1.0	< 1.0	1.0	< 1.0	1.0
Methyl Ethyl Ketone (2-Butanone)	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Methyl t-butyl ether (MTBE)	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methylene chloride	5	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0
Naphthalene	10	**1.3**	1.0	**3.6**	1.0	< 1.0	1.0	< 1.0	1.0
n-Butylbenzene	5	**3**	1.0	**10**	1.0	**0.34**	1.0	< 1.0	1.0
n-Propylbenzene	5	**12**	1.0	**43**	5.0	**0.93**	1.0	< 1.0	1.0
o-Xylene	5	< 1.0	1.0	**0.26**	1.0	< 1.0	1.0	< 1.0	1.0
p-Isopropyltoluene		**0.65**	1.0	**0.34**	1.0	< 1.0	1.0	< 1.0	1.0
sec-Butylbenzene	5	**2.5**	1.0	**8.1**	1.0	**2.1**	1.0	**0.42**	1.0
Styrene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
tert- Butylalcohol		< 50	50	< 50	50	< 50	50	< 50	50
tert-Butylbenzene	5	**0.37**	1.0	**1.4**	1.0	**0.49**	1.0	< 1.0	1.0
Tetrachloroethene	5	**1.2**	1.0	**0.94**	1.0	**1.6**	1.0	**1.3**	1.0
Tetrahydrofuran (THF)		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Toluene	5	< 1.0	1.0	**0.33**	1.0	< 1.0	1.0	< 1.0	1.0
trans-1,2-Dichloroethene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
trans-1,3-Dichloropropene	0.4	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Trichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorofluoromethane	5	< 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
Vinyl Chloride	2	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4 - dioxane		**0.24**	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
Total VOCs		**45.83**		**122.92**		**8.16**		**1.99**	

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

Table 1
1828-1850 Ocean Avenue
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	Quarterly Groundwater Sampling (17GW5)															
		17GW5 (Baseline)		17GW5		17GW5		17GW5		17GW5		17GW5		17GW5		17GW5	
		11/13/2017		12/18/2017		3/15/2018		6/14/2018		8/27/2018		12/14/2018		1/30/2019		4/3/2019	
		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
	µg/L	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachlorothane	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
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	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
1,1,2-Trichloroethane	1	< 2.5	2.5	< 1.0	1.0	< 2.5	2.5	< 1.0	1.0	< 1.0	1.0	< 1.3	1.3	<1.3	1.3	< 5.0	5.0
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	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
1,1-Dichloropropene		< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
1,2,3-Trichlorobenzene		< 10	10	< 1.0	1.0	< 10	10	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 20	20
1,2,3-Trichloropropane	0.04	< 2.5	2.5	< 0.25	0.25	< 2.5	2.5	< 0.25	0.25	< 0.25	0.25	< 1.3	1.3	<1.3	1.3	< 5.0	5.0
1,2,4-Trichlorobenzene		< 10	10	< 1.0	1.0	< 10	10	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 20	20
1,2,4-Trimethylbenzene	5	**390**	20	**1,500**	100	**570**	50	**160**	5.0	**140**	5.0	**110**	5.0	**120**	5.0	**190**	20
1,2-Dibromo-3-chloropropane	0.04	< 5.0	5.0	< 0.50	0.50	< 5.0	5.0	< 0.50	0.50	< 0.50	0.50	< 2.5	2.5	<2.5	2.5	< 10	10
1,2-Dibromoethane		< 2.5	2.5	< 0.25	0.25	< 2.5	2.5	< 0.25	0.25	< 0.25	0.25	< 1.3	1.3	<1.3	1.3	< 5.0	5.0
1,2-Dichlorobenzene	5	< 4.7	4.7	< 1.0	1.0	< 4.7	4.7	< 1.0	1.0	< 1.0	1.0	< 4.7	4.7	<4.7	4.7	< 5.0	5.0
1,2-Dichloroethane	0.6	< 5.0	5.0	< 0.60	0.60	< 5.0	5.0	< 0.60	0.60	< 0.60	0.60	< 2.5	2.5	<2.5	2.5	< 10	10
1,2-Dichloropropane	0.94	< 2.5	2.5	< 1.0	1.0	< 2.5	2.5	< 1.0	1.0	< 1.0	1.0	< 1.3	1.3	<1.3	1.3	< 5.0	5.0
1,3,5-Trimethylbenzene	5	**27**	10	**85**	20	**110**	10	**12**	1.0	**12**	1.0	**8.5**	5.0	**15**	5.0	**17**	5.0
1,3-Dichlorobenzene		< 3.0	3.0	**0.29**	1.0	< 3.0	3.0	< 1.0	1.0	< 1.0	1.0	< 3.0	3.0	<3.0	3.0	< 5.0	5.0
1,3-Dichloropropane	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
1,4-Dichlorobenzene	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
2,2-Dichloropropane	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
2-Chlorotoluene	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
2-Hexanone (Methyl Butyl Ketone)		< 25	25	< 2.5	2.5	< 25	25	< 2.5	2.5	< 2.5	2.5	< 13	13	<13	13	< 50	50
2-Isopropyltoluene	5	**4.3**	10	**3.2**	1.0	< 5.0	5.0	**5.4**	1.0	**4.9**	1.0	**4.8**	5.0	**3**	5.0	< 5.0	5.0
4-Chlorotoluene	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
4-Methyl-2-Pentanone		< 25	25	< 2.5	2.5	< 25	25	< 2.5	2.5	< 2.5	2.5	< 13	13	<13	13	< 50	50
Acetone	50	< 50	50	< 5.0	5.0	< 50	50	< 5.0	5.0	**2.6**	5.0	< 25	25	<25	25	< 50	50
Acrolein		< 25	25	< 5.0	5.0	< 25	25	< 5.0	5.0	< 5.0	5.0	< 13	13	<13	13	< 50	50
Acrylonitrile	5	< 25	25	< 5.0	5.0	< 25	25	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
Benzene	1	< 2.5	2.5	**16**	0.70	**3.6**	7.0	< 0.70	0.70	< 0.70	0.70	< 1.3	1.3	<1.3	1.3	< 5.0	5.0
Bromobenzene	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
Bromochloromethane	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
Bromodichloromethane		< 10	10	< 1.0	1.0	< 10	10	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 20	20
Bromoform		< 50	50	< 5.0	5.0	< 50	50	< 5.0	5.0	< 5.0	5.0	< 25	25	<25	25	< 50	50
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	< 10	10	< 1.0	1.0	< 10	10	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 20	20
Carbon tetrachloride	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
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	< 7.0	7.0	< 5.0	5.0	< 7.0	7.0	< 5.0	5.0	< 5.0	5.0	< 7.0	7.0	<7.0	7.0	< 7.0	7.0
Chloromethane	60	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	**1.5**	5.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
cis-1,3-Dichloropropene		< 2.5	2.5	< 0.40	0.40	< 2.5	2.5	< 0.40	0.40	< 0.40	0.40	< 1.3	1.3	<1.3	1.3	< 5.0	5.0
Dibromochloromethane		< 10	10	< 1.0	1.0	< 10	10	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 20	20
Dibromomethane	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
Dichlorodifluoromethane	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
Ethylbenzene	5	**46**	10	**500**	20	**270**	10	**25**	1.0	**25**	1.0	**21**	5.0	**37**	5.0	**35**	20
Hexachlorobutadiene	0.5	< 2.0	2.0	< 0.50	0.50	< 2.0	2.0	< 0.50	0.50	< 0.50	0.50	< 1.0	1.0	<1.0	1.0	< 4.0	4.0
Isopropylbenzene	5	**50**	10	**69**	20	**42**	10	**55**	5.0	**49**	5.0	**43**	5.0	**32**	5.0	**48**	20
m&p-Xylenes		**17**	10	**110**	20	**250**	10	**13**	1.0	**13**	1.0	**7.6**	5.0	**12**	5.0	**14**	20
Methyl Ethyl Ketone (2-Butanone)	50	< 25	25	< 2.5	2.5	< 25	25	< 2.5	2.5	< 2.5	2.5	< 13	13	<13	13	< 50	50
Methyl t-butyl ether (MTBE)	10	< 10	10	< 1.0	1.0	< 10	10	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 20	20
Methylene chloride	5	< 10	10	< 3.0	3.0	< 10	10	< 3.0	3.0	< 3.0	3.0	< 5.0	5.0	<5.0	5.0	< 10	10
Naphthalene	10	**150**	10	**230**	20	**140**	10	**120**	10	**92**	20	**63**	5.0	**49**	5.0	**64**	20
n-Butylbenzene	5	**15**	10	**12**	1.0	**6.8**	10	**15**	1.0	**16**	1.0	**14**	5.0	**11**	5.0	**19**	5.0
n-Propylbenzene	5	**140**	10	**160**	20	**84**	10	**130**	5.0	**130**	5.0	**130**	5.0	**110**	5.0	**140**	20
o-Xylene	5	< 5.0	5.0	**50**	20	**4.4**	10	**0.58**	1.0	**0.54**	1.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
p-Isopropyltoluene		**8.4**	10	**7.4**	1.0	**4.3**	10	**6.3**	1.0	**6.4**	1.0	**5.3**	5.0	**4.4**	5.0	**6.9**	5.0
sec-Butylbenzene	5	**9.8**	10	**7.4**	1.0	**5.2**	10	**11**	1.0	**11**	1.0	**9.2**	5.0	**7.1**	5.0	**9.5**	5.0
Styrene	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
tert- Butylalcohol		-	-	-	-	-	-	< 50	50	< 50	50	< 250	250	<250	250	< 1000	1,000
tert-Butylbenzene	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	**1.3**	1.0	**1.2**	1.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
Tetrachloroethene	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
Tetrahydrofuran (THF)		< 50	50	< 5.0	5.0	< 50	50	< 5.0	5.0	< 5.0	5.0	< 25	25	<25	25	< 50	50
Toluene	5	< 5.0	5.0	**15**	1.0	**2.8**	10	**0.72**	1.0	**0.53**	1.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
trans-1,2-Dichloroethene	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
trans-1,3-Dichloropropene	0.4	< 2.5	2.5	< 0.40	0.40	< 2.5	2.5	< 0.40	0.40	< 0.40	0.40	< 1.3	1.3	<1.3	1.3	< 5.0	5.0
trans-1,4-dichloro-2-butene	5	< 25	25	< 2.5	2.5	< 25	25	< 2.5	2.5	< 2.5	2.5	< 13	13	<13	13	< 50	50
Trichloroethene	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
Trichlorofluoromethane	5	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
Trichlorotrifluoroethane		< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
Vinyl Chloride	2	< 2.5	2.5	< 1.0	1.0	< 2.5	2.5	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0	<2.0	2.0	< 5.0	5.0
1,4 - dioxane		-	-	-	-	-	-	< 0.20	0.20	< 100	100	< 500	500	<500	500	< 1000	1,000
Total VOCs		**857.50**		**2765.29**		**1493.1**		**555.3**		**505.67**		**416.40**		**400.50**		**543.40**	

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

Table 1
1828-1850 Ocean Avenue
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	Quarterly Groundwater Sampling (17GW5)									
		17GW5		17GW5		17GW5		17GW5		17GW5	
		8/21/2019		9/10/2019		11/27/2019		10/14/2021		3/28/2022	
		µg/L		µg/L		µg/L		µg/L		µg/L	
	µg/L	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachlorothane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
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
1,1,2,2-Tetrachloroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
1,1,2-Trichloroethane	1	< 1.0	1.0	< 1.0	1.0	< 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
1,1-Dichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
1,1-Dichloropropene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
1,2,3-Trichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
1,2,3-Trichloropropane	0.04	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.50	0.50
1,2,4-Trichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
1,2,4-Trimethylbenzene	5	**13**	1.0	**16**	1.0	**22**	1.0	**2.5**	1.0	**13**	2.0
1,2-Dibromo-3-chloropropane	0.04	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 1.0	1.0
1,2-Dibromoethane		< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.50	0.50
1,2-Dichlorobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
1,2-Dichloroethane	0.6	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 1.0	1.0
1,2-Dichloropropane	0.94	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	**0.7**	1.0	**1.6**	1.0	**1.5**	1.0	**0.74**	1.0	**3**	2.0
1,3-Dichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
1,3-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
1,4-Dichlorobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
2,2-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
2-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
2-Hexanone (Methyl Butyl Ketone)		**5.5**	2.5	**4.5**	2.5	**4.7**	2.5	< 2.5	2.5	< 5.0	5.0
2-Isopropyltoluene	5	**0.47**	1.0	**0.49**	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
4-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
4-Methyl-2-Pentanone		**3.3**	2.5	**3**	2.5	**2.8**	2.5	< 2.5	2.5	< 5.0	5.0
Acetone	50	**140**	50	**110**	25	**78**	50	**25**	25	**44**	10
Acrolein		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Acrylonitrile	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Benzene	1	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70
Bromobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
Bromochloromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
Bromodichloromethane		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
Bromoform		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 10	10
Bromomethane	5	< 5.0	5.0	< 5.0	5.0	**0.67**	5.0	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide	60	**0.88**	1.0	**0.4**	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
Carbon tetrachloride	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
Chlorobenzene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroethane	5	**0.69**	5.0	**0.79**	5.0	**0.26**	5.0	**0.26**	5.0	< 5.0	5.0
Chloroform	7	**0.75**	5.0	**0.28**	5.0	< 5.0	5.0	**0.52**	5.0	< 7.0	7.0
Chloromethane	60	**0.64**	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
cis-1,3-Dichloropropene		< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.50	0.50
Dibromochloromethane		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
Dibromomethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
Dichlorodifluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
Ethylbenzene	5	**1.9**	1.0	**2.9**	1.0	**2.1**	1.0	< 1.0	1.0	< 2.0	2.0
Hexachlorobutadiene	0.5	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	5	**1.9**	1.0	**2.3**	1.0	**1.2**	1.0	**0.52**	1.0	< 2.0	2.0
m&p-Xylenes		**1.4**	1.0	**2.2**	1.0	**1.7**	1.0	**0.39**	1.0	**0.6**	2.0
Methyl Ethyl Ketone (2-Butanone)	50	< 50	50	**40**	13	**35**	25	**19**	2.5	**26**	5.0
Methyl t-butyl ether (MTBE)	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
Methylene chloride	5	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 5.0	5.0
Naphthalene	10	**10**	1.0	**7.8**	1.0	**12**	1.0	**1.5**	1.0	< 2.0	2.0
n-Butylbenzene	5	**0.92**	1.0	**1.1**	1.0	**0.46**	1.0	**0.25**	1.0	< 2.0	2.0
n-Propylbenzene	5	**5.7**	1.0	**6.4**	1.0	**3.2**	1.0	**0.94**	1.0	**0.81**	2.0
o-Xylene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
p-Isopropyltoluene		**0.32**	1.0	**0.45**	1.0	**0.25**	1.0	< 1.0	1.0	< 2.0	2.0
sec-Butylbenzene	5	**0.7**	1.0	**0.96**	1.0	**0.31**	1.0	< 1.0	1.0	< 2.0	2.0
Styrene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
tert- Butylalcohol		< 50	50	< 50	50	< 50	50	< 50	50	< 100	100
tert-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
Tetrachloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
Tetrahydrofuran (THF)		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 10	10
Toluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
trans-1,2-Dichloroethene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
trans-1,3-Dichloropropene	0.4	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.50	0.50
trans-1,4-dichloro-2-butene	5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 5.0	5.0
Trichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
Trichlorofluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
Trichlorotrifluoroethane		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
Vinyl Chloride	2	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
1,4 - dioxane		< 100	100	< 100	100	< 100	100	< 0.20	0.20	< 200	200
Total VOCs		**188.77**		**201.17**		**166.15**		**51.62**		**87.41**	

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

Table 1
1828-1850 Ocean Avenue
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	Quarterly Groundwater Sampling (17GW6)															
		17GW6 (Baseline)		17GW6		17GW6		17GW6		17GW6		17GW6		17GW6		17GW6	
		11/13/2017		12/18/2017		3/15/2018		6/14/2018		8/27/2018		12/14/2018		1/30/2019		4/3/2019	
		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
	µg/L	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachlorothane	5	< 5.0	5.0	< 1.0	1.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 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	< 13	13	< 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	< 13	13	< 5.0	5.0	< 5.0	5.0	< 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	< 13	13	< 5.0	5.0	< 1.3	1.3	< 1.3	1.3	<1.3	1.3	< 1.0	1.0
1,1-Dichloroethane	5	< 5.0	5.0	< 5.0	5.0	< 13	13	< 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	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
1,1-Dichloropropene		< 5.0	5.0	< 1.0	1.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
1,2,3-Trichlorobenzene		< 20	20	< 1.0	1.0	< 50	50	< 20	20	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
1,2,3-Trichloropropane	0.04	< 5.0	5.0	< 0.25	0.25	< 13	13	< 5.0	5.0	< 1.3	1.3	< 1.3	1.3	<1.3	1.3	< 0.25	0.25
1,2,4-Trichlorobenzene		< 20	20	< 1.0	1.0	< 50	50	< 20	20	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
1,2,4-Trimethylbenzene	5	**2,300**	200	**1,200**	100	**1,800**	100	**1,700**	25	**260**	5.0	**190**	20	**150**	20	**3.1**	1.0
1,2-Dibromo-3-chloropropane	0.04	< 10	10	< 0.50	0.50	< 25	25	< 10	10	< 2.5	2.5	< 2.5	2.5	<2.5	2.5	< 0.50	0.50
1,2-Dibromoethane		< 5.0	5.0	< 0.25	0.25	< 13	13	< 5.0	5.0	< 1.3	1.3	< 1.3	1.3	<1.3	1.3	< 0.25	0.25
1,2-Dichlorobenzene	5	< 5.0	5.0	< 1.0	1.0	< 13	13	< 5.0	5.0	< 4.7	4.7	< 4.7	4.7	<4.7	4.7	< 1.0	1.0
1,2-Dichloroethane	0.6	< 10	10	< 0.60	0.60	< 25	25	< 10	10	< 2.5	2.5	< 2.5	2.5	<2.5	2.5	< 0.60	0.60
1,2-Dichloropropane	0.94	< 5.0	5.0	< 1.0	1.0	< 13	13	< 5.0	5.0	< 1.3	1.3	< 1.3	1.3	<1.3	1.3	< 1.0	1.0
1,3,5-Trimethylbenzene	5	**420**	20	**260**	20	**480**	50	**240**	5.0	**59**	5.0	**36**	5.0	**33**	5.0	**0.55**	1.0
1,3-Dichlorobenzene		< 5.0	5.0	**0.32**	1.0	< 13	13	< 5.0	5.0	< 3.0	3.0	< 3.0	3.0	<3.0	3.0	< 1.0	1.0
1,3-Dichloropropane	5	< 5.0	5.0	< 1.0	1.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
1,4-Dichlorobenzene	5	< 5.0	5.0	< 1.0	1.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
2,2-Dichloropropane	5	< 5.0	5.0	< 1.0	1.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
2-Chlorotoluene	5	< 5.0	5.0	< 1.0	1.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
2-Hexanone (Methyl Butyl Ketone)		< 50	50	< 2.5	2.5	< 130	130	< 50	50	< 13	13	< 13	13	<13	13	< 2.5	2.5
2-Isopropyltoluene	5	< 5.0	5.0	**3.8**	1.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
4-Chlorotoluene	5	< 5.0	5.0	< 1.0	1.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
4-Methyl-2-Pentanone		< 50	50	< 2.5	2.5	< 130	130	< 50	50	< 13	13	< 13	13	<13	13	< 2.5	2.5
Acetone	50	< 50	50	< 5.0	5.0	< 130	130	< 50	50	< 25	25	< 25	25	<25	25	< 5.0	5.0
Acrolein		< 50	50	< 5.0	5.0	< 130	130	< 5.0	5.0	< 13	13	< 13	13	<13	13	< 5.0	5.0
Acrylonitrile	5	< 50	50	< 5.0	5.0	< 130	130	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
Benzene	1	< 5.0	5.0	**6.9**	0.70	< 13	13	< 5.0	5.0	< 1.3	1.3	< 1.3	1.3	<1.3	1.3	< 0.70	0.70
Bromobenzene	5	< 5.0	5.0	< 1.0	1.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
Bromochloromethane	5	< 5.0	5.0	< 1.0	1.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
Bromodichloromethane		< 20	20	< 1.0	1.0	< 50	50	< 20	20	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
Bromoform		< 50	50	< 5.0	5.0	< 50	50	< 50	50	< 25	25	< 25	25	<25	25	< 5.0	5.0
Bromomethane	5	< 5.0	5.0	< 5.0	5.0	< 13	13	< 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	< 50	50	< 20	20	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
Carbon tetrachloride	5	< 5.0	5.0	< 1.0	1.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
Chlorobenzene	5	< 5.0	5.0	< 5.0	5.0	< 13	13	< 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	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
Chloroform	7	< 7.0	7.0	< 5.0	5.0	< 13	13	< 7.0	7.0	< 7.0	7.0	< 7.0	7.0	<7.0	7.0	< 5.0	5.0
Chloromethane	60	< 5.0	5.0	< 5.0	5.0	< 13	13	< 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	< 5.0	5.0	< 1.0	1.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
cis-1,3-Dichloropropene		< 5.0	5.0	< 0.40	0.40	< 13	13	< 5.0	5.0	< 1.3	1.3	< 1.3	1.3	<1.3	1.3	< 0.40	0.40
Dibromochloromethane		< 20	20	< 1.0	1.0	< 50	50	< 20	20	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
Dibromomethane	5	< 5.0	5.0	< 1.0	1.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
Dichlorodifluoromethane	5	< 5.0	5.0	< 1.0	1.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
Ethylbenzene	5	**1,200**	200	**990**	100	**1,100**	50	**970**	13	**150**	5.0	**84**	5.0	**150**	5.0	**3.3**	1.0
Hexachlorobutadiene	0.5	< 4.0	4.0	< 0.50	0.50	< 10	10	< 4.0	4.0	< 1.0	1.0	< 1.0	1.0	<1.0	1.0	< 0.50	0.50
Isopropylbenzene	5	**72**	20	**77**	20	**76**	50	**89**	5.0	**9.9**	5.0	**7**	5.0	**6.9**	5.0	< 1.0	1.0
m&p-Xylenes		**2,800**	200	**730**	20	**3,500**	100	**1,600**	50	**260**	20	**130**	5.0	**140**	5.0	**1**	1.0
Methyl Ethyl Ketone (2-Butanone)	50	< 50	50	< 2.5	2.5	< 130	130	< 50	50	< 13	13	< 13	13	<13	13	< 2.5	2.5
Methyl t-butyl ether (MTBE)	10	< 20	20	< 1.0	1.0	< 50	50	< 20	20	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
Methylene chloride	5	< 20	20	< 3.0	3.0	< 50	50	< 10	10	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 3.0	3.0
Naphthalene	10	**410**	20	**370**	20	**460**	50	**470**	20	**56**	5.0	**36**	5.0	**39**	5.0	< 1.0	1.0
n-Butylbenzene	5	**23**	20	**12**	1.0	**15**	50	**16**	5.0	**3.2**	5.0	**2.6**	5.0	**1.9**	5.0	< 1.0	1.0
n-Propylbenzene	5	**180**	20	**170**	20	**200**	50	**160**	5.0	**24**	5.0	**18**	5.0	**17**	5.0	< 1.0	1.0
o-Xylene	5	**140**	20	**370**	20	**550**	50	**75**	5.0	**15**	5.0	**9.9**	5.0	**17**	5.0	**0.48**	1.0
p-Isopropyltoluene		**9.2**	20	**7.4**	1.0	< 13	13	**10**	5.0	**1.6**	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
sec-Butylbenzene	5	**14**	20	**9.8**	1.0	< 13	13	**11**	5.0	**1.9**	5.0	**1.6**	5.0	**1.3**	5.0	< 1.0	1.0
Styrene	5	< 5.0	5.0	< 1.0	1.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
tert- Butylalcohol		-	-	-	-	-	-	< 1000	1,000	< 250	250	< 250	250	<250	250	< 50	50
tert-Butylbenzene	5	< 5.0	5.0	< 1.0	1.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
Tetrachloroethene	5	< 5.0	5.0	< 1.0	1.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
Tetrahydrofuran (THF)		< 50	50	< 5.0	5.0	< 130	130	< 50	50	< 25	25	< 25	25	<25	25	< 5.0	5.0
Toluene	5	**5.1**	20	**28**	20	**79**	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
trans-1,2-Dichloroethene	5	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
trans-1,3-Dichloropropene	0.4	< 5.0	5.0	< 0.40	0.40	< 13	13	< 5.0	5.0	< 1.3	1.3	< 1.3	1.3	<1.3	1.3	< 0.40	0.40
trans-1,4-dichloro-2-butene	5	< 50	50	< 2.5	2.5	< 130	130	< 50	50	< 13	13	< 13	13	<13	13	< 2.5	2.5
Trichloroethene	5	< 5.0	5.0	< 1.0	1.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
Trichlorofluoromethane	5	< 5.0	5.0	< 1.0	1.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
Trichlorotrifluoroethane		< 5.0	5.0	< 1.0	1.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 1.0	1.0
Vinyl Chloride	2	< 5.0	5.0	< 1.0	1.0	< 13	13	< 4.0	4.0	< 2.0	2.0	< 2.0	2.0	<2.0	2.0	< 1.0	1.0
1,4 - dioxane		-	-	-	-	-	-	< 2000	2,000	< 500	500	< 500	500	<500	500	< 50	50
Total VOCs		**7573.30**		**4235.22**		**8260**		**5341**		**840.6**		**515.1**		**539.1**		**8.4**	

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

Table 1
1828-1850 Ocean Avenue
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	Quarterly Groundwater Sampling (17GW6)															
		17GW6		17GW6		17GW6		17GW6		176W6		176W6		176W6		176W6	
		8/21/2019		9/10/2019		11/27/2019		3/26/2020		6/29/2020		9/29/2020		12/11/2020		3/29/2021	
		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
	µg/L	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachlorothane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	1	< 1.0	1.0	< 1.0	1.0	< 1.0	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	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	< 1.0	1.0	< 1.0	1.0	< 1.0	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		< 1.0	1.0	< 1.0	1.0	< 1.0	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	0.04	< 0.25	0.25	< 0.25	0.25	< 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	5	**120**	20	**62**	5.0	**4.6**	1.0	**3.4**	1.0	**0.92**	1.0	**63**	1.0	< 1.0	1.0	**15**	1.0
1,2-Dibromo-3-chloropropane	0.04	< 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
1,2-Dibromoethane		< 0.25	0.25	< 0.25	0.25	< 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	5	< 1.0	1.0	< 1.0	1.0	< 1.0	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	0.6	< 0.60	0.60	< 0.60	0.60	< 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	0.94	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	**10**	1.0	**4.7**	1.0	< 1.0	1.0	**0.32**	1.0	< 1.0	1.0	**9.6**	1.0	< 1.0	1.0	**1.3**	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	5	< 1.0	1.0	< 1.0	1.0	< 1.0	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	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,2-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 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-Hexanone (Methyl Butyl Ketone)		< 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
2-Isopropyltoluene	5	< 1.0	1.0	< 1.0	1.0	< 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	< 1.0	1.0	< 1.0	1.0	< 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	50	**3.3**	5.0	**2.6**	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	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	< 5.0	5.0	< 5.0	5.0	< 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	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70
Bromobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	5	< 1.0	1.0	< 1.0	1.0	< 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	< 5.0	5.0	< 5.0	5.0	**0.66**	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	< 1.0	1.0	< 1.0	1.0	< 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	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
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	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloromethane	60	< 5.0	5.0	< 5.0	5.0	**0.29**	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	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	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	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	5	**89**	20	**51**	5.0	**4.1**	1.0	**2**	1.0	< 1.0	1.0	**36**	1.0	< 1.0	1.0	**9.1**	1.0
Hexachlorobutadiene	0.5	< 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	5	**5.3**	1.0	**3.7**	1.0	**0.29**	1.0	< 1.0	1.0	< 1.0	1.0	**3.1**	1.0	< 1.0	1.0	**1.1**	1.0
m&p-Xylenes		**57**	1.0	**53**	5.0	**2.8**	1.0	**2.6**	1.0	**0.3**	1.0	**56**	1.0	< 1.0	1.0	**11**	1.0
Methyl Ethyl Ketone (2-Butanone)	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	< 2.5	2.5
Methyl t-butyl ether (MTBE)	10	< 1.0	1.0	< 1.0	1.0	< 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	5	< 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	10	**24**	1.0	**18**	1.0	**1.8**	1.0	< 1.0	1.0	< 1.0	1.0	**15**	1.0	< 1.0	1.0	**3.3**	1.0
n-Butylbenzene	5	**0.53**	1.0	**0.39**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**0.58**	1.0	< 1.0	1.0	**0.27**	1.0
n-Propylbenzene	5	**10**	1.0	**6.6**	1.0	**0.48**	1.0	**0.25**	1.0	< 1.0	1.0	**6.8**	1.0	< 1.0	1.0	**1.8**	1.0
o-Xylene	5	**4.8**	1.0	**3.3**	1.0	< 1.0	1.0	**0.53**	1.0	< 1.0	1.0	**2**	1.0	< 1.0	1.0	**0.8**	1.0
p-Isopropyltoluene		**0.44**	1.0	**0.28**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**0.32**	1.0	< 1.0	1.0	< 1.0	1.0
sec-Butylbenzene	5	**0.53**	1.0	**0.48**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**0.51**	1.0	< 1.0	1.0	< 1.0	1.0
Styrene	5	< 1.0	1.0	< 1.0	1.0	< 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- Butylalcohol		< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50
tert-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 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	5	< 1.0	1.0	< 1.0	1.0	< 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	5	< 1.0	1.0	< 1.0	1.0	< 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	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
trans-1,3-Dichloropropene	0.4	< 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	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	2.5
Trichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 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	5	< 1.0	1.0	< 1.0	1.0	< 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	2	< 1.0	1.0	< 1.0	1.0	< 1.0	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	< 0.20	0.20	< 100	100	< 100	100	< 0.20	0.20	< 0.20	0.20
Total VOCs		**324.9**		**206.1**		**15.02**		**9.10**		**1.22**		**192.91**		**0.00**		**43.67**	

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

Table 1
1828-1850 Ocean Avenue
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	Quarterly Groundwater Sampling (17GW6)							
		176W6		176W6		176W6		176W6	
		6/28/2021		9/30/2021		1/12/2022		3/28/2022	
		µg/L		µg/L		µg/L		µg/L	
	µg/L	Results	RL	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachlorothane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	1	< 1.0	1.0	< 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
1,1-Dichloroethene	5	< 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
1,2,3-Trichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichloropropane	0.04	< 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
1,2,4-Trimethylbenzene	5	**12**	1.0	**1.9**	1.0	**17**	1.0	**2.4**	1.0
1,2-Dibromo-3-chloropropane	0.04	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
1,2-Dibromoethane		< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,2-Dichlorobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dichloroethane	0.6	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60
1,2-Dichloropropane	0.94	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	**1.6**	1.0	< 1.0	1.0	**2.3**	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
1,3-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-Dichlorobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,2-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Hexanone (Methyl Butyl Ketone)		< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
2-Isopropyltoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Chlorotoluene	5	< 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
Acetone	50	< 5.0	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
Acrylonitrile	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Benzene	1	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70
Bromobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	5	< 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
Bromoform		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Bromomethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide	60	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Carbon tetrachloride	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroethane	5	< 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
Chloromethane	60	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
cis-1,3-Dichloropropene		< 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
Dibromomethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	5	**11**	1.0	**0.74**	1.0	**14**	1.0	**1.7**	1.0
Hexachlorobutadiene	0.5	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	5	**1.1**	1.0	< 1.0	1.0	**1.2**	1.0	< 1.0	1.0
m&p-Xylenes		**12**	1.0	**1.5**	1.0	**18**	1.0	**2.3**	1.0
Methyl Ethyl Ketone (2-Butanone)	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Methyl t-butyl ether (MTBE)	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methylene chloride	5	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0
Naphthalene	10	**4.4**	1.0	< 1.0	1.0	**4.3**	1.0	< 1.0	1.0
n-Butylbenzene	5	**0.31**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Propylbenzene	5	**1.8**	1.0	**0.25**	1.0	**2**	1.0	**0.29**	1.0
o-Xylene	5	**1.1**	1.0	< 1.0	1.0	**1.3**	1.0	< 1.0	1.0
p-Isopropyltoluene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
sec-Butylbenzene	5	**0.35**	1.0	< 1.0	1.0	**0.29**	1.0	< 1.0	1.0
Styrene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
tert- Butylalcohol		< 50	50	< 50	50	< 50	50	< 50	50
tert-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tetrachloroethene	5	< 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
Toluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
trans-1,2-Dichloroethene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
trans-1,3-Dichloropropene	0.4	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Trichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorofluoromethane	5	< 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
Vinyl Chloride	2	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4 - dioxane		**0.22**	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
Total VOCs		**45.88**		**4.39**		**60.39**		**6.69**	

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

Table 1
1828-1850 Ocean Avenue
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	Quarterly Groundwater Sampling (Duplicates)															
		Duplicate ()		Duplicate (17GW6)		Duplicate (17GW6)		Duplicate (17GW6)		Duplicate (17GW6)		Duplicate (17GW6)		Duplicate (17GW6)		Duplicate (17GW4)	
		12/18/2017		12/19/2019		3/26/2020		6/29/2020		9/29/2020		12/11/2020		3/29/2021		6/28/2021	
		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
	µg/L	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachlorothane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	1	< 1.0	1.0	< 1.0	1.0	< 1.0	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	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	< 1.0	1.0	< 1.0	1.0	< 1.0	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		< 1.0	1.0	< 1.0	1.0	< 1.0	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	0.04	< 0.25	0.25	< 0.25	0.25	< 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	5	**190**	10	**0.31**	1.0	**3.3**	1.0	**0.92**	1.0	**61**	1.0	< 1.0	1.0	**16**	1.0	**14**	1.0
1,2-Dibromo-3-chloropropane	0.04	< 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
1,2-Dibromoethane		< 0.25	0.25	< 0.25	0.25	< 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	5	< 1.0	1.0	< 1.0	1.0	< 1.0	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	0.6	< 0.60	0.60	< 0.60	0.60	< 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	0.94	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	**21**	1.0	< 1.0	1.0	**0.31**	1.0	< 1.0	1.0	**9.1**	1.0	< 1.0	1.0	**1.4**	1.0	**4.6**	1.0
1,3-Dichlorobenzene		**0.41**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	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	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,2-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 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-Hexanone (Methyl Butyl Ketone)		< 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
2-Isopropyltoluene	5	**1.6**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**1.2**	1.0
4-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 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	50	< 5.0	5.0	**2.8**	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	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	< 5.0	5.0	< 5.0	5.0	< 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	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70
Bromobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	5	< 1.0	1.0	< 1.0	1.0	< 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	< 5.0	5.0	**0.66**	5.0	< 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	< 1.0	1.0	< 1.0	1.0	< 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	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
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	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloromethane	60	< 5.0	5.0	< 5.0	5.0	**1.5**	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	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**0.42**	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	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	5	**110**	10	< 1.0	1.0	**1.9**	1.0	**0.3**	1.0	**35**	1.0	< 1.0	1.0	**9.1**	1.0	**0.7**	1.0
Hexachlorobutadiene	0.5	< 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	5	**18**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**2.9**	1.0	< 1.0	1.0	**1**	1.0	**5.3**	1.0
m&p-Xylenes		**95**	10	< 1.0	1.0	**2.5**	1.0	**0.36**	1.0	**54**	1.0	< 1.0	1.0	**11**	1.0	**0.25**	1.0
Methyl Ethyl Ketone (2-Butanone)	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	< 2.5	2.5
Methyl t-butyl ether (MTBE)	10	< 1.0	1.0	< 1.0	1.0	< 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	5	< 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	10	**73**	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**14**	1.0	< 1.0	1.0	**3.2**	1.0	**2.1**	1.0
n-Butylbenzene	5	**5.4**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**0.39**	1.0	< 1.0	1.0	< 1.0	1.0	**3.1**	1.0
n-Propylbenzene	5	**43**	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**6.1**	1.0	< 1.0	1.0	**1.7**	1.0	**12**	1.0
o-Xylene	5	**0.33**	1.0	< 1.0	1.0	**0.51**	1.0	< 1.0	1.0	**1.9**	1.0	< 1.0	1.0	**0.78**	1.0	< 1.0	1.0
p-Isopropyltoluene		**2.4**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**0.3**	1.0	< 1.0	1.0	< 1.0	1.0	**0.7**	1.0
sec-Butylbenzene	5	**3**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**0.48**	1.0	< 1.0	1.0	< 1.0	1.0	**2.5**	1.0
Styrene	5	< 1.0	1.0	< 1.0	1.0	< 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- Butylalcohol		-	-	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50
tert-Butylbenzene	5	**0.48**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**0.38**	1.0
Tetrachloroethene	5	**0.38**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**1.1**	1.0
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	5	< 1.0	1.0	< 1.0	1.0	< 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	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
trans-1,3-Dichloropropene	0.4	< 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	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	2.5
Trichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 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	5	< 1.0	1.0	< 1.0	1.0	< 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	2	< 1.0	1.0	< 1.0	1.0	< 1.0	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	< 0.20	0.20	< 100	100	< 100	100	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
Total VOCs		**564.00**		**3.77**		**10.02**		**1.58**		**185.17**		**0.00**		**44.18**		**48.35**	

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

Table 1
1828-1850 Ocean Avenue
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	Quarterly Groundwater Sampling (Duplicates)							
		Duplicate (17GW4)		GW Duplicate		GW Duplicate		GW Duplicate	
		9/30/2021		10/14/2021		1/12/2022		3/28/2022	
		µg/L		µg/L		µg/L		µg/L	
	µg/L	Results	RL	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachlorothane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	1	< 1.0	1.0	< 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
1,1-Dichloroethene	5	< 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
1,2,3-Trichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichloropropane	0.04	< 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
1,2,4-Trimethylbenzene	5	**29**	1.0	**2.6**	1.0	**20**	1.0	**40**	5.0
1,2-Dibromo-3-chloropropane	0.04	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
1,2-Dibromoethane		< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,2-Dichlorobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dichloroethane	0.6	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60
1,2-Dichloropropane	0.94	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	**1.1**	1.0	< 1.0	1.0	**2.7**	1.0	**3.5**	1.0
1,3-Dichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-Dichlorobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,2-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Hexanone (Methyl Butyl Ketone)		< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
2-Isopropyltoluene	5	**3.6**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Chlorotoluene	5	< 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
Acetone	50	< 5.0	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
Acrylonitrile	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Benzene	1	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	**0.33**	0.70
Bromobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	5	< 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
Bromoform		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Bromomethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide	60	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Carbon tetrachloride	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroethane	5	< 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
Chloromethane	60	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	5	**0.65**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
cis-1,3-Dichloropropene		< 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
Dibromomethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	5	**2.3**	1.0	**2.1**	1.0	**17**	1.0	**8**	1.0
Hexachlorobutadiene	0.5	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	5	**18**	1.0	**0.47**	1.0	**1.4**	1.0	**4.1**	1.0
m&p-Xylenes		**0.56**	1.0	**0.64**	1.0	**22**	1.0	**27**	1.0
Methyl Ethyl Ketone (2-Butanone)	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Methyl t-butyl ether (MTBE)	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methylene chloride	5	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0
Naphthalene	10	< 1.0	1.0	< 1.0	1.0	**5.5**	1.0	**14**	1.0
n-Butylbenzene	5	**10**	1.0	< 1.0	1.0	**0.27**	1.0	**0.46**	1.0
n-Propylbenzene	5	**42**	5.0	**0.94**	1.0	**2.3**	1.0	**4.9**	1.0
o-Xylene	5	**0.25**	1.0	< 1.0	1.0	**1.6**	1.0	**4.8**	1.0
p-Isopropyltoluene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
sec-Butylbenzene	5	**8**	1.0	< 1.0	1.0	**0.31**	1.0	**0.88**	1.0
Styrene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
tert- Butylalcohol		< 50	50	< 50	50	< 50	50	< 50	50
tert-Butylbenzene	5	**1.4**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tetrachloroethene	5	**0.85**	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
Toluene	5	**0.31**	1.0	< 1.0	1.0	< 1.0	1.0	**0.7**	1.0
trans-1,2-Dichloroethene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
trans-1,3-Dichloropropene	0.4	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Trichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorofluoromethane	5	< 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
Vinyl Chloride	2	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4 - dioxane		< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.40	0.40
Total VOCs		**118.02**		**6.75**		**73.08**		**108.67**	

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

Table 2
1815-1825 Ocean Avenue
Brooklyn, New York
Pre and Post Carbon

COMPOUNDS	NYSDOH Maximum Sub-Slab Value ($\mu g/m^3$) [a]	NYSDOH Soil Outdoor Background Levels ($\mu g/m^3$) [b]	PVE System Pre Carbon																	
			Pre Carbon																	
			12/18/2017		1/30/2018		2/28/2018		3/15/2018		6/14/2018		8/23/2018		12/17/2018		1/30/2019		4/3/2019	
			($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,1-Trichloroethane	100	<2.0 - 2.8	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,2,2-Tetrachloroethane		<1.5	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,2-Trichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethene		<1.0	< 1.00	1.00	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 3.00	3.00	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
1,2,4-Trichlorobenzene		NA	-	-	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2,4-Trimethylbenzene		<1.0	< 1.00	1.00	**4.87**	1.00	< 1.00	1.00	**1.78**	1.00	**414**	15.0	**870**	15.0	**76.2**	1.00	**4.09**	1.00	**14**	1.00
1,2-Dibromoethane		<1.5	**5.21**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorobenzene		<2.0	-	-	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloropropane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**2.06**	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorotetrafluoroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3,5-Trimethylbenzene		<1.0	**1.66**	1.00	**1.58**	1.00	< 1.00	1.00	< 1.00	1.00	**349**	15.0	**570**	15.0	**95.8**	1.00	**7.91**	1.00	**47**	1.00
1,3-Butadiene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3-Dichlorobenzene		<2.0	-	-	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dichlorobenzene		NA	-	-	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	**2.82**	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dioxane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
2-Hexanone			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
4-Ethyltoluene		NA	**1.18**	1.00	**4.79**	1.00	< 1.00	1.00	< 1.00	1.00	**757**	15.0	**747**	15.0	**112**	1.00	**3.21**	1.00	**30.3**	1.00
4-Isopropyltoluene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**24.8**	15.0	**33.2**	1.00	**12.1**	1.00	< 1.00	1.00	**7.68**	1.00
4-Methyl-2-pentanone			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Acetone		NA	**264**	15.0	**25.4**	1.00	**7.76**	1.00	**41.3**	1.00	**175**	15.0	**193**	15.0	**13.4**	1.00	**10.7**	1.00	**7.69**	1.00
Acrylonitrile			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Benzene		<1.6 - 4.7	**4.12**	1.00	**1.47**	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	**1.62**	1.00	< 1.00	1.00	< 1.00	1.00
Benzyl Chloride		NA	-	-	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromodichloromethane		<5.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromoform		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromomethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Disulfide		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**15.5**	15.0	**3.64**	1.00	**5.76**	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Tetrachloride	5	<3.1	**0.32**	0.25	**0.75**	0.20	**0.74**	0.20	**0.74**	0.20	< 3.00	3.00	**0.57**	0.20	**0.56**	0.20	**0.51**	0.20	**0.45**	0.20
Chlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroethane		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroform		<2.4	**4.28**	1.00	**5.95**	1.00	**4.19**	1.00	**11.9**	1.00	< 15.0	15.0	**18.3**	1.00	< 1.00	1.00	**19.7**	1.00	**15**	1.00
Chloromethane		<1.0 - 1.4	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
cis-1,2-Dichloroethene		<1.0	< 1.00	1.00	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 3.00	3.00	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
cis-1,3-Dichloropropene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Cyclohexane		NA	**1.35**	1.00	**2.21**	1.00	**1.42**	1.00	< 1.00	1.00	**1,110**	15.0	**117**	15.0	**230**	10.0	**15.4**	1.00	**24**	1.00
Dibromochloromethane		<5.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Dichlorodifluromethane		NA	**5.88**	1.00	**3.69**	1.00	**2.87**	1.00	**4.03**	1.00	< 15.0	15.0	**2.76**	1.00	**4.36**	1.00	**2.93**	1.00	**2.54**	1.00
Ethanol			**10.3**	1.00	**19.6**	1.00	**1.75**	1.00	**11.9**	1.00	**22.8**	15.0	**15.6**	1.00	**21.8**	1.00	**1.4**	1.00	**5.2**	1.00
Ethyl Acetate		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Ethylbenzene		<4.3	**4.21**	1.00	**3.11**	1.00	< 1.00	1.00	**2.1**	1.00	**798**	15.0	**116**	1.00	**49.9**	1.00	< 1.00	1.00	**2.47**	1.00
Heptane		NA	**4.22**	1.00	**3.2**	1.00	< 1.00	1.00	< 1.00	1.00	**3,030**	150	**310**	15.0	**573**	9.99	**12.5**	1.00	**30.9**	1.00
Hexachlorobutadiene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Hexane		<1.5	**5.53**	1.00	**2.61**	1.00	**1.29**	1.00	< 1.00	1.00	**1,390**	15.0	**110**	15.0	**213**	10.0	**6.2**	1.00	**12.4**	1.00
Isopropylalcohol		NA	**2.18**	1.00	**17.3**	1.00	**5.55**	1.00	**2.51**	1.00	< 15.0	15.0	**2.51**	1.00	< 1.00	1.00	< 1.00	1.00	**1.14**	1.00
Isopropylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**84.5**	15.0	< 1.00	1.00	**9.73**	1.00	< 1.00	1.00	< 1.00	1.00
Xylene (m&p)		<4.3	**16.1**	1.00	**11.1**	1.00	**3.1**	1.00	**7.81**	1.00	**3,220**	15.0	**911**	15.0	**318**	1.00	< 1.00	1.00	**25.5**	1.00
Methyl Ethyl Ketone			**200**	15.0	**8.96**	1.00	**2.4**	1.00	**4.13**	1.00	< 15.0	15.0	**3.01**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
MTBE		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Methylene Chloride		<3.4	**2.18**	1.00	< 3.00	3.00	< 3.00	3.00	**7.71**	3.00	< 45.1	45.1	< 3.00	3.00	< 3.00	3.00	< 3.00	3.00	< 3.00	3.00
n-Butylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**23**	15.0	**95.5**	1.00	**9.33**	1.00	< 1.00	1.00	< 1.00	1.00
Xylene (o)		<4.3	**4.95**	1.00	**4.29**	1.00	**1.4**	1.00	**2.94**	1.00	**733**	15.0	**132**	1.00	**94.2**	1.00	**1.14**	1.00	**10.5**	1.00
Propylene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
sec-Butylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	**15.4**	1.00	**4.92**	1.00	< 1.00	1.00	< 1.00	1.00
Styrene		<1.0	**19.7**	0.25	**1.6**	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	**1.47**	1.00	< 1.00	1.00	< 1.00	1.00
Tetrachloroethene	30		**1,420**	15.0	**42.5**	0.25	**25.8**	0.25	**36.2**	0.25	**25.1**	3.75	**57**	0.25	**33.4**	0.25	**36.1**	0.25	**29.7**	0.25
Tetrahydrofuran		NA	**8.55**	1.00	**29**	1.00	**4.57**	1.00	**8.96**	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Toluene		1.0 - 6.1	< 1.00	1.00	**32.1**	1.00	**4.37**	1.00	**4.33**	1.00	**94.5**	15.0	< 1.00	1.00	**13.5**	1.00	**2.2**	1.00	**1.46**	1.00
trans-1,2-Dichloroethene		NA	-	-	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	**1.05**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
trans-1,3-Dichloropropene		NA	-	-	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Trichloroethene	2	<1.7	< 0.25	0.25	**0.27**	0.20	< 0.20	0.20	< 0.20	0.20	< 3.00	3.00	**0.33**	0.20	**0.35**	0.20	**0.73**	0.20	**0.22**	0.20
Trichlorofluoromethane		NA	**1.25**	1.00	**1.24**	1.00	**1.3**	1.00	**1.75**	1.00	< 15.0	15.0	**1.36**	1.00	**1.94**	1.00	**1.47**	1.00	< 1.00	1.00
Trichlorotrifluoroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Vinyl Chloride		<1.0	< 0.25	0.25	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 2.99	2.99	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
BTEX			**29.38**		**52.07**		**9**		**17.18**		**4,845.5**		**1,159**		**477**		**3**		**40**	
Total VOCs			**1,987.17**		**227.59**		**68.51**		**152.15**		**12,266.2**		**4,326.23**		**1,899.16**		**126.19**		**268.15**	

Notes:
NA No guidance value or standard available
Vapor Intrusion in the State of New

(b) NYSDOH Guidance for Evaluating

Table 2
1815-1825 Ocean Avenue
Brooklyn, New York
Pre and Post Carbon

COMPOUNDS	NYSDOH Maximum Sub-Slab Value ($\mu g/m^3$) [a]	NYSDOH Soil Outdoor Background Levels ($\mu g/m^3$) [b]	PVE System Pre Carbon																					
			Pre Carbon																					
			9/25/2019		12/19/2019		3/26/2020		6/30/2020		11/30/2020		12/11/2020		3/29/2021		6/28/2021		9/30/2021		1/12/2022		3/28/2022	
			($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			< 1.00	1.00	< 1.00	1.00	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	-	-	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,1-Trichloroethane	100	<2.0 - 2.8	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,2,2-Tetrachloroethane		<1.5	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,2-Trichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 5.02	5.02	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethene		<1.0	< 0.20	0.20	< 0.20	0.20	< 1.00	1.00	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
1,2,4-Trichlorobenzene		NA	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2,4-Trimethylbenzene		<1.0	**3.31**	1.00	< 1.00	1.00	< 5.01	5.01	< 1.00	1.00	**8.7**	1.00	**2.69**	1.00	**4.04**	1.00	< 1.00	1.00	< 1.00	1.00	**7.07**	1.00	< 1.00	1.00
1,2-Dibromoethane		<1.5	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 5.02	5.02	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloropropane			< 1.00	1.00	< 1.00	1.00	< 4.99	4.99	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorotetrafluoroethane			< 1.00	1.00	< 1.00	1.00	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3,5-Trimethylbenzene		<1.0	**2.63**	1.00	**2.06**	1.00	< 5.01	5.01	< 1.00	1.00	**2.98**	1.00	< 1.00	1.00	**1.31**	1.00	< 1.00	1.00	< 1.00	1.00	**1.81**	1.00	< 1.00	1.00
1,3-Butadiene		NA	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3-Dichlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00	**1.34**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dichlorobenzene		NA	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dioxane			< 1.00	1.00	< 1.00	1.00	< 5.01	5.01	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
2-Hexanone			< 1.00	1.00	< 1.00	1.00	< 4.99	4.99	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
4-Ethyltoluene		NA	**1.45**	1.00	< 1.00	1.00	< 5.01	5.01	**1.21**	1.00	**4.55**	1.00	**1.85**	1.00	**3.33**	1.00	< 1.00	1.00	< 1.00	1.00	**6.34**	1.00	< 1.00	1.00
4-Isopropyltoluene			< 1.00	1.00	< 1.00	1.00	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
4-Methyl-2-pentanone			< 1.00	1.00	< 1.00	1.00	< 4.99	4.99	< 1.00	1.00	**1.56**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Acetone		NA	**29.7**	1.00	**3.49**	1.00	**43.7**	5.01	**26.8**	1.00	**19**	1.00	**21.8**	1.00	**17.1**	1.00	**13**	1.00	**15.4**	1.00	**12.8**	1.00	**10.7**	1.00
Acrylonitrile			< 1.00	1.00	< 1.00	1.00	< 5.01	5.01	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Benzene		<1.6 - 4.7	< 1.00	1.00	< 1.00	1.00	< 5.01	5.01	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**1.02**	1.00	< 1.00	1.00
Benzyl Chloride		NA	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromodichloromethane		<5.0	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**1.33**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromoform		<1.0	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromomethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 5.01	5.01	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Disulfide		NA	**1.4**	1.00	< 1.00	1.00	< 5.01	5.01	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Tetrachloride	5	<3.1	**0.69**	0.20	**0.51**	0.20	< 1.00	1.00	**0.59**	0.20	**0.59**	0.20	**0.67**	0.20	**0.76**	0.20	**0.7**	0.20	**0.56**	0.20	**0.5**	0.20	**0.52**	0.20
Chlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 5.01	5.01	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroethane		NA	< 1.00	1.00	< 1.00	1.00	< 5.01	5.01	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroform		<2.4	**28.9**	1.00	**7.61**	1.00	< 4.98	4.98	**28.9**	1.00	**12.1**	1.00	**7.95**	1.00	**15.1**	1.00	**29.2**	1.00	**25.8**	1.00	**11.7**	1.00	**6.54**	1.00
Chloromethane		<1.0 - 1.4	< 1.00	1.00	< 1.00	1.00	< 4.99	4.99	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
cis-1,2-Dichloroethene		<1.0	< 0.20	0.20	< 0.20	0.20	< 1.00	1.00	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
cis-1,3-Dichloropropene		NA	< 1.00	1.00	< 1.00	1.00	< 4.99	4.99	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Cyclohexane		NA	**65**	1.00	**34**	1.00	**171**	4.99	**35.8**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**32.7**	1.00	< 1.00	1.00	**1.63**	1.00
Dibromochloromethane		<5.0	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Dichlorodifluromethane		NA	**3.17**	1.00	**3.33**	1.00	< 4.99	4.99	**1.83**	1.00	**2.68**	1.00	**2.24**	1.00	**2.87**	1.00	**2.92**	1.00	**2.61**	1.00	**2.86**	1.00	**1.86**	1.00
Ethanol			**26.7**	1.00	**4.16**	1.00	**11.3**	5.01	**46.7**	1.00	**33**	1.00	**16.3**	1.00	**60.3**	1.00	**27.3**	1.00	**10.7**	1.00	**20.3**	1.00	**11.1**	1.00
Ethyl Acetate		NA	< 1.00	1.00	< 1.00	1.00	< 5.01	5.01	< 1.00	1.00	**16.5**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Ethylbenzene		<4.3	**2.98**	1.00	< 1.00	1.00	< 4.99	4.99	**4.9**	1.00	**1.88**	1.00	< 1.00	1.00	**1.52**	1.00	< 1.00	1.00	< 1.00	1.00	**2.71**	1.00	< 1.00	1.00
Heptane		NA	**93.8**	1.00	**57.3**	1.00	**366**	5.00	**14.2**	1.00	< 1.00	1.00	**26.9**	1.00	**1.13**	1.00	< 1.00	1.00	**46.7**	1.00	**3.87**	1.00	< 1.00	1.00
Hexachlorobutadiene		NA	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Hexane		<1.5	**69.7**	1.00	**35.1**	1.00	**246**	5.00	**17.6**	1.00	< 1.00	1.00	**18.2**	1.00	< 1.00	1.00	< 1.00	1.00	**39.8**	1.00	**1.03**	1.00	< 1.00	1.00
Isopropylalcohol		NA	**2.73**	1.00	< 1.00	1.00	< 5.01	5.01	< 1.00	1.00	**2.87**	1.00	**1.6**	1.00	**4.62**	1.00	**11.4**	1.00	**6.98**	1.00	**5.18**	1.00	**9.04**	1.00
Isopropylbenzene			< 1.00	1.00	< 1.00	1.00	< 5.01	5.01	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Xylene (m&p)		<4.3	**14.7**	1.00	**1.16**	1.00	< 4.99	4.99	**16**	1.00	**7.25**	1.00	**3.83**	1.00	**5.34**	1.00	**1.07**	1.00	**1.71**	1.00	**10.2**	1.00	< 1.00	1.00
Methyl Ethyl Ketone			**2.36**	1.00	< 1.00	1.00	< 5.01	5.01	< 1.00	1.00	**1.94**	1.00	**5.25**	1.00	**10.1**	1.00	**6.04**	1.00	< 1.00	1.00	**2.78**	1.00	< 1.00	1.00
MTBE		NA	< 1.00	1.00	< 1.00	1.00	< 5.01	5.01	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Methylene Chloride		<3.4	< 3.00	3.00	< 3.00	3.00	< 15.0	15.0	< 3.00	3.00	< 3.00	3.00	**8.51**	3.00	< 3.00	3.00	< 3.00	3.00	< 3.00	3.00	< 3.00	3.00	< 3.00	3.00
n-Butylbenzene			< 1.00	1.00	< 1.00	1.00	< 5.00	5.00	< 1.00	1.00	**1.85**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Xylene (o)		<4.3	**4.14**	1.00	< 1.00	1.00	< 4.99	4.99	**5.34**	1.00	**2.79**	1.00	**1.53**	1.00	**2.61**	1.00	< 1.00	1.00	< 1.00	1.00	**3.38**	1.00	< 1.00	1.00
Propylene		NA	**2.22**	1.00	< 1.00	1.00	< 5.01	5.01	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
sec-Butylbenzene			< 1.00	1.00	< 1.00	1.00	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Styrene		<1.0	**1.08**	1.00	< 1.00	1.00	< 4.98	4.98	**1.09**	1.00	< 1.00	1.00	< 1.00	1.00	**1.21**	1.00	< 1.00	1.00	< 1.00	1.00	**3.5**	1.00	< 1.00	1.00
Tetrachloroethene	30		**36.1**	0.25	**21.4**	0.25	**20.6**	1.25	**38.6**	0.25	**26.6**	0.25	**27.7**	0.25	**20.3**	0.25	**31.9**	0.25	**30.9**	0.25	**7.05**	0.25	**11.4**	0.25
Tetrahydrofuran		NA	< 1.00	1.00	< 1.00	1.00	< 5.01	5.01	< 1.00	1.00	**1.49**	1.00	< 1.00	1.00	**25.3**	1.00	**10.8**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Toluene		1.0 - 6.1	**6.21**	1.00	< 1.00	1.00	< 5.01	5.01	**2.32**	1.00	**2.41**	1.00	**2.86**	1.00	**2.55**	1.00	**1.07**	1.00	< 1.00	1.00	**7.57**	1.00	< 1.00	1.00
trans-1,2-Dichloroethene		NA	< 1.00	1.00	< 1.00	1.00	< 4.99	4.99	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
trans-1,3-Dichloropropene		NA	< 1.00	1.00	< 1.00	1.00	< 4.99	4.99	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Trichloroethene	2	<1.7	**4.3**	0.20	**0.37**	0.20	< 1.00	1.00	< 0.20	0.20	< 0.20	0.20	**0.61**	0.20	< 0.20	0.20	**0.42**	0.20	< 0.20	0.20	**0.28**	0.20	< 0.20	0.20
Trichlorofluoromethane		NA	**1.57**	1.00	**1.79**	1.00	< 5.00	5.00	**1.47**	1.00	**1.22**	1.00	**1.31**	1.00	**1.41**	1.00	**1.22**	1.00	**1.09**	1.00	**1.39**	1.00	**1.07**	1.00
Trichlorotrifluoroethane			< 1.00	1.00	< 1.00	1.00	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Vinyl Chloride		<1.0	< 0.20	0.20	< 0.20	0.20	< 1.00	1.00	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
BTEX			**28**		**1**		**0.00**		**28.56**		**14.33**		**8.22**		**12.02**		**2.14**		**1.71**		**24.88**		**0.00**	
Total VOCs			**404.84**		**172.28**		**858.60**		**244.69**		**151.96**		**151.80**		**180.90**		**138.37**		**214.95**		**113.34**		**53.86**	

Notes:
NA No guidance value or standard available
Vapor Intrusion in the State of New

(b) NYSDOH Guidance for Evaluating

Table 2
1815-1825 Ocean Avenue
Brooklyn, New York
Pre and Post Carbon

COMPOUNDS	NYSDOH Maximum Sub-Slab Value ($\mu g/m^3$) [a]	NYSDOH Soil Outdoor Background Levels ($\mu g/m^3$) [b]	SVE System Post Carbon																	
			Post Carbon																	
			12/18/2017		1/30/2018		2/28/2018		3/15/2018		6/14/2018		8/23/2018		12/17/2018		1/30/2019		4/3/2019	
			($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00
1,1,1-Trichloroethane	100	<2.0 - 2.8	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00
1,1,2,2-Tetrachloroethane		<1.5	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00
1,1,2-Trichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00
1,1-Dichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 5.02	5.02
1,1-Dichloroethene		<1.0	< 1.00	1.00	< 0.20	0.20	< 0.20	0.20	**0.25**	0.20	< 3.00	3.00	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 1.00	1.00
1,2,4-Trichlorobenzene		NA	-	-	< 1.00	1.00	< 1.00	1.00	**2.26**	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00
1,2,4-Trimethylbenzene		<1.0	**1.08**	1.00	**4.62**	1.00	< 1.00	1.00	**3.39**	1.00	< 15.0	15.0	**9.14**	1.00	**40.8**	1.00	**4.91**	1.00	< 5.01	5.01
1,2-Dibromoethane		<1.5	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00
1,2-Dichlorobenzene		<2.0	-	-	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00
1,2-Dichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 5.02	5.02
1,2-Dichloropropane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 4.99	4.99
1,2-Dichlorotetrafluoroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00
1,3,5-Trimethylbenzene		<1.0	< 1.00	1.00	**1.53**	1.00	< 1.00	1.00	**1.18**	1.00	< 15.0	15.0	**9.43**	1.00	**24.8**	1.00	**5.16**	1.00	< 5.01	5.01
1,3-Butadiene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00
1,3-Dichlorobenzene		<2.0	-	-	< 1.00	1.00	< 1.00	1.00	**1.13**	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00
1,4-Dichlorobenzene		NA	-	-	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	**2.61**	1.00	< 1.00	1.00	< 5.00	5.00
1,4-Dioxane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 5.01	5.01
2-Hexanone			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 4.99	4.99
4-Ethyltoluene		NA	< 1.00	1.00	**4.87**	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	**4.61**	1.00	**34.9**	1.00	**3.29**	1.00	< 5.01	5.01
4-Isopropyltoluene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	**1.28**	1.00	< 1.00	1.00	< 5.00	5.00
4-Methyl-2-pentanone			< 1.00	1.00	**1.21**	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	**7.61**	1.00	< 1.00	1.00	< 4.99	4.99
Acetone		NA	**14.5**	1.00	**15.3**	1.00	**9.45**	1.00	**32.3**	1.00	< 15.0	15.0	**166**	15.0	**9.04**	1.00	**7.74**	1.00	**50.8**	5.01
Acrylonitrile			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	**2.36**	1.00	< 1.00	1.00	< 1.00	1.00	< 5.01	5.01
Benzene		<1.6 - 4.7	**3.67**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	**1.02**	1.00	< 1.00	1.00	< 5.01	5.01
Benzyl Chloride		NA	-	-	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	**1.59**	1.00	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00
Bromodichloromethane		<5.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00
Bromoform		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00
Bromomethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 5.01	5.01
Carbon Disulfide		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**17.6**	15.0	**5.38**	1.00	**3.49**	1.00	**1.07**	1.00	< 5.01	5.01
Carbon Tetrachloride	5	<3.1	< 0.25	0.25	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 3.00	3.00	**0.27**	0.20	< 0.20	0.20	**0.34**	0.20	< 1.00	1.00
Chlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 5.01	5.01
Chloroethane		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	**1.31**	1.00	< 5.01	5.01
Chloroform		<2.4	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	**18**	1.00	< 1.00	1.00	**28.6**	1.00	< 4.98	4.98
Chloromethane		<1.0 - 1.4	**4.31**	1.00	< 1.00	1.00	< 1.00	1.00	**1.13**	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 4.99	4.99
cis-1,2-Dichloroethene		<1.0	< 1.00	1.00	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 3.00	3.00	< 0.20	0.20	< 0.20	0.20	**0.23**	0.20	< 1.00	1.00
cis-1,3-Dichloropropene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 4.99	4.99
Cyclohexane		NA	**1.01**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**1,420**	15.0	**375**	15.0	< 1.00	1.00	< 1.00	1.00	**158**	4.99
Dibromochloromethane		<5.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00
Dichlorodifluromethane		NA	< 1.00	1.00	**2.52**	1.00	**3.47**	1.00	**4.05**	1.00	< 15.0	15.0	**2.7**	1.00	**3.14**	1.00	**2.71**	1.00	< 4.99	4.99
Ethanol			**11.4**	1.00	**22.8**	1.00	**4.73**	1.00	**45.2**	1.00	**28.1**	15.0	**27.5**	1.00	**24.1**	1.00	**3.94**	1.00	**18.3**	5.01
Ethyl Acetate		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**1.23**	1.00	< 15.0	15.0	< 1.00	1.00	**1.56**	1.00	**1.65**	1.00	< 5.01	5.01
Ethylbenzene		<4.3	**1.61**	1.00	**2.12**	1.00	< 1.00	1.00	**1.56**	1.00	< 15.0	15.0	**612**	15.0	**35.2**	1.00	< 1.00	1.00	< 4.99	4.99
Heptane		NA	**3.09**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**9,460**	1,200	**1,360**	15.0	**2.95**	1.00	< 1.00	1.00	**1,080**	15.0
Hexachlorobutadiene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00
Hexane		<1.5	**1.14**	1.00	< 1.00	1.00	**1.05**	1.00	< 1.00	1.00	**1,890**	15.0	**339**	15.0	< 1.00	1.00	< 1.00	1.00	**461**	5.00
Isopropylalcohol		NA	**1.44**	1.00	**4.3**	1.00	< 1.00	1.00	**4.13**	1.00	< 15.0	15.0	**4.3**	1.00	**1.14**	1.00	**1.61**	1.00	< 5.01	5.01
Isopropylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	**44.9**	1.00	**2.69**	1.00	< 1.00	1.00	< 5.01	5.01
Xylene (m&p)		<4.3	**5.47**	1.00	**7.72**	1.00	< 1.00	1.00	**6.86**	1.00	< 15.0	15.0	**3,390**	15.0	**153**	1.00	**1.97**	1.00	< 4.99	4.99
Methyl Ethyl Ketone			< 1.00	1.00	**3.65**	1.00	**5.25**	1.00	**6.1**	1.00	< 15.0	15.0	**12.2**	1.00	**5.42**	1.00	< 1.00	1.00	< 5.01	5.01
MTBE		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 5.01	5.01
Methylene Chloride		<3.4	**2.22**	1.00	< 3.00	3.00	< 3.00	3.00	**128**	6.01	< 45.1	45.1	< 3.00	3.00	**53.5**	3.00	< 3.00	3.00	< 15.0	15.0
n-Butylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	**4.17**	1.00	< 1.00	1.00	< 5.00	5.00
Xylene (o)		<4.3	**1.92**	1.00	**3.36**	1.00	< 1.00	1.00	**3.29**	1.00	< 15.0	15.0	**98.9**	1.00	**52.9**	1.00	< 1.00	1.00	< 4.99	4.99
Propylene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	**2.34**	1.00	< 1.00	1.00	< 1.00	1.00	< 5.01	5.01
sec-Butylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	**1.4**	1.00	< 1.00	1.00	< 5.00	5.00
Styrene		<1.0	< 0.25	0.25	**1.56**	1.00	< 1.00	1.00	**1.58**	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 4.98	4.98
Tetrachloroethene	30		**2.28**	1.00	**2.71**	0.25	**0.73**	0.25	**1.12**	0.25	**16.7**	3.75	**43.9**	0.25	**32**	0.25	**3.08**	0.25	< 1.25	1.25
Tetrahydrofuran		NA	**6.18**	1.00	**14.9**	1.00	**10.8**	1.00	**24.5**	1.00	< 15.0	15.0	< 1.00	1.00	**2.87**	1.00	**12.1**	1.00	< 5.01	5.01
Toluene		1.0 - 6.1	< 1.00	1.00	**7.95**	1.00	< 1.00	1.00	**6.59**	1.00	< 15.0	15.0	**11.1**	1.00	**9.42**	1.00	< 1.00	1.00	< 5.01	5.01
trans-1,2-Dichloroethene		NA	-	-	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 4.99	4.99
trans-1,3-Dichloropropene		NA	-	-	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 4.99	4.99
Trichloroethene	2	<1.7	< 0.25	0.25	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 3.00	3.00	**0.49**	0.20	**0.54**	0.20	**0.34**	0.20	< 1.00	1.00
Trichlorofluoromethane		NA	< 1.00	1.00	< 1.00	1.00	**2.17**	1.00	**2.95**	1.00	< 15.0	15.0	**1.11**	1.00	< 1.00	1.00	**3.4**	1.00	< 5.00	5.00
Trichlorotrifluoroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 15.0	15.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 5.00	5.00
Vinyl Chloride		<1.0	< 0.25	0.25	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 2.99	2.99	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 1.00	1.00
BTEX			**12.67**		**21.15**		**0.00**		**18.3**		**0**		**4,112**		**252**		**2**		**0**	
Total VOCs			**61.32**		**101.12**		**37.65**		**278.8**		**12,832.4**		**6,542.22**		**511.55**		**83.45**		**1,768.10**	

Notes:
NA No guidance value or standard available
Vapor Intrusion in the State of New

(b) NYSDOH Guidance for Evaluating

Table 2
1815-1825 Ocean Avenue
Brooklyn, New York
Pre and Post Carbon

COMPOUNDS	NYSDOH Maximum Sub-Slab Value ($\mu g/m^3$) [a]	NYSDOH Soil Outdoor Background Levels ($\mu g/m^3$) [b]	SVE System Post Carbon																					
			Post Carbon																					
			9/25/2019		12/19/2019		3/26/2020		6/30/2020		11/30/2020		12/11/2020		3/29/2021		6/28/2021		9/30/2021		1/12/2022		3/28/2022	
			($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)		($\mu g/m3$)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	-	-	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,1-Trichloroethane	100	<2.0 - 2.8	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,2,2-Tetrachloroethane		<1.5	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,2-Trichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethene		<1.0	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
1,2,4-Trichlorobenzene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**1.11**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2,4-Trimethylbenzene		<1.0	**3.2**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**3.82**	1.00	**2.53**	1.00	**4.07**	1.00	< 1.00	1.00	< 1.00	1.00	**3.39**	1.00	< 1.00	1.00
1,2-Dibromoethane		<1.5	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloropropane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorotetrafluoroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3,5-Trimethylbenzene		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**1.41**	1.00	< 1.00	1.00	**1.18**	1.00	< 1.00	1.00	< 1.00	1.00	**1.03**	1.00	< 1.00	1.00
1,3-Butadiene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3-Dichlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**1.34**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dichlorobenzene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dioxane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
2-Hexanone			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
4-Ethyltoluene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**1.21**	1.00	**2.29**	1.00	**1.62**	1.00	**3.29**	1.00	< 1.00	1.00	< 1.00	1.00	**3.72**	1.00	< 1.00	1.00
4-Isopropyltoluene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
4-Methyl-2-pentanone			**3.24**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Acetone		NA	**45.6**	1.00	**8.1**	1.00	< 1.00	1.00	**26.8**	1.00	**46.1**	1.00	**7.29**	1.00	**39.2**	1.00	**48.4**	1.00	**43.4**	1.00	**7.1**	1.00	**14.3**	1.00
Acrylonitrile			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Benzene		<1.6 - 4.7	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Benzyl Chloride		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromodichloromethane		<5.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromoform		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromomethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Disulfide		NA	**1.46**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Tetrachloride	5	<3.1	< 0.20	0.20	**0.31**	0.20	**0.66**	0.20	**0.59**	0.20	**0.58**	0.20	**0.64**	0.20	**0.69**	0.20	**0.77**	0.20	**0.57**	0.20	**0.56**	0.20	**0.41**	0.20
Chlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroethane		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroform		<2.4	**38.5**	1.00	**11.9**	1.00	< 1.00	1.00	**28.9**	1.00	**14.1**	1.00	**8.15**	1.00	**14.3**	1.00	< 1.00	1.00	**27.5**	1.00	**10.5**	1.00	**6.88**	1.00
Chloromethane		<1.0 - 1.4	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
cis-1,2-Dichloroethene		<1.0	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
cis-1,3-Dichloropropene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Cyclohexane		NA	**52.6**	1.00	**48.8**	1.00	< 1.00	1.00	**35.8**	1.00	**7.98**	1.00	< 1.00	1.00	**5.37**	1.00	< 1.00	1.00	**13.8**	1.00	< 1.00	1.00	**1.66**	1.00
Dibromochloromethane		<5.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Dichlorodifluromethane		NA	**2.9**	1.00	**2.89**	1.00	**2.5**	1.00	**1.83**	1.00	**4.05**	1.00	**2.62**	1.00	**2.51**	1.00	**2.71**	1.00	**2.63**	1.00	**2.85**	1.00	**1.17**	1.00
Ethanol			**25.2**	1.00	**4.76**	1.00	**12.8**	1.00	**46.7**	1.00	**30.3**	1.00	**13.3**	1.00	**68.4**	1.00	**19.2**	1.00	**14.2**	1.00	**14.9**	1.00	**20.7**	1.00
Ethyl Acetate		NA	**1.94**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**12.1**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Ethylbenzene		<4.3	**2.63**	1.00	< 1.00	1.00	< 1.00	1.00	**4.9**	1.00	< 1.00	1.00	< 1.00	1.00	**1.69**	1.00	< 1.00	1.00	< 1.00	1.00	**2.37**	1.00	< 1.00	1.00
Heptane		NA	< 1.00	1.00	< 1.00	1.00	**80.7**	1.00	**14.2**	1.00	**34.6**	1.00	< 1.00	1.00	**26.3**	1.00	**61.8**	1.00	**23.6**	1.00	< 1.00	1.00	**3.13**	1.00
Hexachlorobutadiene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Hexane		<1.5	**1.94**	1.00	< 1.00	1.00	**140**	5.00	**17.6**	1.00	**63.4**	1.00	< 1.00	1.00	**62.7**	1.00	**7.86**	1.00	**24**	1.00	< 1.00	1.00	**1.05**	1.00
Isopropylalcohol		NA	**2.73**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**2.48**	1.00	**1.09**	1.00	**5.53**	1.00	**13.9**	1.00	**7.44**	1.00	**4.1**	1.00	**7.74**	1.00
Isopropylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Xylene (m&p)		<4.3	**10.8**	1.00	< 1.00	1.00	< 1.00	1.00	**16**	1.00	**4.08**	1.00	**3.38**	1.00	**5.81**	1.00	< 1.00	1.00	< 1.00	1.00	**8.29**	1.00	< 1.00	1.00
Methyl Ethyl Ketone			**1.51**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**1.18**	1.00	**17**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**3.21**	1.00
MTBE		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Methylene Chloride		<3.4	< 3.00	3.00	< 3.00	3.00	< 3.00	3.00	< 3.00	3.00	< 3.00	3.00	< 3.00	3.00	< 3.00	3.00	**3.08**	3.00	< 3.00	3.00	< 3.00	3.00	< 3.00	3.00
n-Butylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Xylene (o)		<4.3	**3.29**	1.00	< 1.00	1.00	< 1.00	1.00	**5.34**	1.00	**1.58**	1.00	**1.28**	1.00	**2.94**	1.00	< 1.00	1.00	< 1.00	1.00	**2.48**	1.00	< 1.00	1.00
Propylene		NA	**2.6**	1.00	**1.42**	1.00	< 1.00	1.00	< 1.00	1.00	**1.44**	1.00	< 1.00	1.00	< 1.00	1.00	**1.4**	1.00	**1.21**	1.00	< 1.00	1.00	< 1.00	1.00
sec-Butylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**4.27**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Styrene		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**1.09**	1.00	< 1.00	1.00	< 1.00	1.00	**1.26**	1.00	< 1.00	1.00	< 1.00	1.00	**2.83**	1.00	< 1.00	1.00
Tetrachloroethene	30		**5.47**	0.25	**0.28**	0.25	**1.43**	0.25	**38.6**	0.25	**31**	0.25	**28.4**	0.25	**21.4**	0.25	**53.5**	0.25	**43.2**	0.25	**10.5**	0.25	**11**	0.25
Tetrahydrofuran		NA	**1.24**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	**2.69**	1.00	< 1.00	1.00	**27.3**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Toluene		1.0 - 6.1	**5.2**	1.00	< 1.00	1.00	< 1.00	1.00	**2.32**	1.00	**2.21**	1.00	**2.07**	1.00	**3.92**	1.00	**3.15**	1.00	**4.22**	1.00	**28.8**	1.00	**1.51**	1.00
trans-1,2-Dichloroethene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
trans-1,3-Dichloropropene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Trichloroethene	2	<1.7	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	**0.9**	0.20	< 0.20	0.20	**0.42**	0.20	**0.65**	0.20	**0.28**	0.20	< 0.20	0.20	< 0.20	0.20
Trichlorofluoromethane		NA	**1.25**	1.00	**1.65**	1.00	**1.54**	1.00	**1.47**	1.00	**1.3**	1.00	**1.33**	1.00	**1.3**	1.00	**1.22**	1.00	**1.27**	1.00	**1.26**	1.00	< 1.00	1.00
Trichlorotrifluoroethane			**1.13**	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Vinyl Chloride		<1.0	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
BTEX			**22**		**0**		**0.00**		**28.56**		**7.87**		**6.73**		**14.36**		**3.15**		**4.22**		**41.94**		**1.51**	
Total VOCs			**214.43**		**80.11**		**239.63**		**244.69**		**272.68**		**74.88**		**317.69**		**217.64**		**207.32**		**104.68**		**72.76**	

Notes:
NA No guidance value or standard available
Vapor Intrusion in the State of New

(b) NYSDOH Guidance for Evaluating

Table 3
1815-1825 Ocean Avenue
Brooklyn, New York
PFAs

Compound	Quarterly Groundwater Sampling (17GW1)															
	17GW1		17GW1		17GW1		17GW1		17GW1		17GW1		17GW1		17GW1	
	12/19/2019		3/26/2020		6/29/2020		9/29/2020		12/11/2020		3/29/2021		6/28/2021		9/30/2021	
	ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L	
	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Perfluorobutanoic Acid (PFBA)	**6.19**	1.82	ND	1.77	**2.03**	1.87	**0.867J**	1.88	ND	1.92	ND	2.04	**5.15**	1.98	ND	2.21
Perfluoropentanoic Acid (PFPeA)	**4.96**	1.82	**1.77**	1.77	**4.19**	1.87	**3.46**	1.88	**11.9**	1.92	**6.35**	2.04	**5.43**	1.98	**2.84**	2.21
Perfluorobutanesulfonic Acid (PFBS)	**1.11J**	1.82	**1.50J**	1.77	**1.31J**	1.87	**1.08J**	1.88	ND	1.92	**2.51**	2.04	**3.16**	1.98	**5.51F**	2.21
Perfluorohexanoic Acid (PFHxA)	**4.81**	1.82	**1.03J**	1.77	**5.49**	1.87	**3.48**	1.88	**6.71F**	1.92	**4.88**	2.04	**5.66**	1.98	**2.29**	2.21
Perfluoroheptanoic Acid (PFHpA)	**5**	1.82	**1.01J**	1.77	**3.67**	1.87	**3.88**	1.88	**4.76**	1.92	**4.26**	2.04	**4.9**	1.98	**2.78**	2.21
Perfluorohexanesulfonic Acid (PFHxS)	**3.36**	1.82	**1.42J**	1.77	**2.52**	1.87	**2.42**	1.88	ND	1.92	**3.35**	2.04	**3.41**	1.98	**2.23F**	2.21
Perfluorooctanoic Acid (PFOA)	**30.3**	1.82	**14.9**	1.77	**19.3**	1.87	**19.9**	1.88	**25.6F**	1.92	**20.6**	2.04	**19.1**	1.98	**18.5**	2.21
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	1.82	ND	1.77	**2.41**	1.87	ND	1.88	**33.8F**	1.92	**14.9**	2.04	**7.02**	1.98	**17.4**	2.21
Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.82	ND	1.77	ND	1.87	ND	1.88	ND	1.92	ND	2.04	ND	1.98	ND	2.21
Perfluorononanoic Acid (PFNA)	ND	1.82	ND	1.77	ND	1.87	ND	1.88	ND	1.92	**0.649J**	2.04	ND	1.98	ND	2.21
Perfluorooctanesulfonic Acid (PFOS)	ND	1.82	**0.629J**	1.77	**0.930J**	1.87	**0.535J**	1.88	ND	1.92	**0.812JF**	2.04	**1.28J**	1.98	ND	2.21
Perfluorodecanoic Acid (PFDA)	ND	1.82	ND	1.77	ND	1.87	ND	1.88	**0.500JF**	1.92	ND	2.04	ND	1.98	ND	2.21
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.82	ND	1.77	ND	1.87	ND	1.88	ND	1.92	ND	2.04	ND	1.98	ND	2.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	1.82	ND	1.77	ND	1.87	ND	1.88	**0.627JF**	1.92	ND	2.04	ND	1.98	ND	2.21
Perfluoroundecanoic Acid (PFUnA)	ND	1.82	ND	1.77	ND	1.87	ND	1.88	ND	1.92	ND	2.04	ND	1.98	ND	2.21
Perfluorodecanesulfonic Acid (PFDS)	ND	1.82	ND	1.77	ND	1.87	ND	1.88	ND	1.92	ND	2.04	ND	1.98	ND	2.21
Perfluorooctanesulfonamide (FOSA)	ND	1.82	ND	1.77	ND	1.87	ND	1.88	ND	1.92	ND	2.04	ND	1.98	ND	2.21
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.82	ND	1.77	ND	1.87	ND	1.88	**1.34JF**	1.92	ND	2.04	ND	1.98	ND	2.21
Perfluorododecanoic Acid (PFDoA)	ND	1.82	ND	1.77	ND	1.87	ND	1.88	**0.369J**	1.92	ND	2.04	ND	1.98	ND	2.21
Perfluorotridecanoic Acid (PFTrDA)	ND	1.82	ND	1.77	ND	1.87	ND	1.88	**0.743J**	1.92	ND	2.04	ND	1.98	ND	2.21
Perfluorotetradecanoic Acid (PFTA)	ND	1.82	ND	1.77	ND	1.87	ND	1.88	**0.670JF**	1.92	ND	2.04	ND	1.98	ND	2.21
PFOA/PFOS, Total	**30.3**		**15.529**		**20.23**		**20.435**		**25.6**		**21.412**		**19.912**		**18.5**	
Total Compounds	**55.73**		**22.259**		**41.85**		**35.622**		**87.019**		**58.311**		**55.291**		**51.55**	

Notes:

DL- Detection Limit

F- The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration. (DoD and NYSDEC Part 375 PFAS only.)

J- The value is estimated.

ND- Not Detected

The USEPA Health Advisory Level for drinking water is 70 ng/L (ppt) for combined detections of PFOA and PFOs

Table 3
1815-1825 Ocean Avenue
Brooklyn, New York
PFAs

Compound	Quarterly Groundwater Sampling (17GW2)																			
	17GW2		17GW2		17GW2		17GW2		17GW2		17GW2		17GW2		17GW2		17GW2		17GW2	
	12/19/2019		3/26/2020		6/29/2020		9/29/2020		12/11/2020		3/29/2021		6/28/2021		9/30/2021		1/12/2022		3/28/2022	
	ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L	
	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Perfluorobutanoic Acid (PFBA)	**12.9**	1.76	**4.91**	1.79	**5.2**	1.79	**6.47**	1.9	ND	1.78	**72.1**	1.81	ND	1.96	ND	2.39	ND	1.73	**25.8**	1.99
Perfluoropentanoic Acid (PFPeA)	**10.4**	1.76	**5.42**	1.79	**5.65**	1.79	**5.29**	1.9	**6.16**	1.78	**7.46**	1.81	**2.93**	1.96	**5.25**	2.39	**5.42**	1.73	**6.34**	1.99
Perfluorobutanesulfonic Acid (PFBS)	**2.64**	1.76	**2**	1.79	**1.65J**	1.79	**1.31J**	1.9	**1.65J**	1.78	**1.32JF**	1.81	**0.915J**	1.96	**1.85J**	2.39	**1.53**	1.73	**1.74J**	1.99
Perfluorohexanoic Acid (PFHxA)	**9.18**	1.76	**5.63**	1.79	**5.96**	1.79	**5.41**	1.9	**4.85**	1.78	**2.52**	1.81	**2**	1.96	**2.24J**	2.39	**1.68**	1.73	**3.65**	1.99
Perfluoroheptanoic Acid (PFHpA)	**4.45**	1.76	**4.87**	1.79	**4.56**	1.79	**5.02**	1.9	**3.94**	1.78	**1.87**	1.81	**2.02**	1.96	**2.34J**	2.39	**2.08**	1.73	**2.58**	1.99
Perfluorohexanesulfonic Acid (PFHxS)	**2.31**	1.76	**2.65**	1.79	**2.59**	1.79	**2.78**	1.9	**3.00F**	1.78	**1.24J**	1.81	**1.45J**	1.96	**1.30J**	2.39	**1.37**	1.73	**1.19J**	1.99
Perfluorooctanoic Acid (PFOA)	**20**	1.76	**23.1**	1.79	**19.7**	1.79	**23**	1.9	**23.1F**	1.78	**12.6**	1.81	**13.1**	1.96	**10.8**	2.39	**7.85**	1.73	**12.8**	1.99
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	**1.47J**	1.76	ND	1.79	ND	1.79	**1.36J**	1.9	**41.5F**	1.78	**1.31J**	1.81	**1.45J**	1.96	ND	2.39	**6.04**	1.73	ND	1.99
Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.76	ND	1.79	ND	1.79	ND	1.9	ND	1.78	ND	1.81	ND	1.96	ND	2.39	ND	1.73	ND	1.99
Perfluorononanoic Acid (PFNA)	**0.282J**	1.76	**0.391J**	1.79	ND	1.79	ND	1.9	**0.314J**	1.78	**0.554J**	1.81	ND	1.96	ND	2.39	ND	1.73	ND	1.99
Perfluorooctanesulfonic Acid (PFOS)	**0.535J**	1.76	**0.606J**	1.79	**0.986J**	1.79	**0.878J**	1.9	**1.22JF**	1.78	**1.57J**	1.81	**1.15J**	1.96	**1.02J**	2.39	**0.998**	1.73	**0.865J**	1.99
Perfluorodecanoic Acid (PFDA)	ND	1.76	ND	1.79	ND	1.79	ND	1.9	ND	1.78	ND	1.81	ND	1.96	ND	2.39	ND	1.73	ND	1.99
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.76	ND	1.79	ND	1.79	ND	1.9	ND	1.78	ND	1.81	ND	1.96	ND	2.39	ND	1.73	ND	1.99
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	1.76	ND	1.79	ND	1.79	ND	1.9	ND	1.78	ND	1.81	ND	1.96	ND	2.39	ND	1.73	ND	1.99
Perfluoroundecanoic Acid (PFUnA)	ND	1.76	ND	1.79	ND	1.79	ND	1.9	ND	1.78	ND	1.81	ND	1.96	ND	2.39	ND	1.73	ND	1.99
Perfluorodecanesulfonic Acid (PFDS)	ND	1.76	ND	1.79	ND	1.79	ND	1.9	ND	1.78	ND	1.81	ND	1.96	ND	2.39	ND	1.73	ND	1.99
Perfluorooctanesulfonamide (FOSA)	ND	1.76	ND	1.79	ND	1.79	ND	1.9	ND	1.78	ND	1.81	ND	1.96	ND	2.39	ND	1.73	ND	1.99
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.76	ND	1.79	ND	1.79	ND	1.9	ND	1.78	ND	1.81	ND	1.96	ND	2.39	ND	1.73	ND	1.99
Perfluorododecanoic Acid (PFDoA)	ND	1.76	ND	1.79	ND	1.79	ND	1.9	ND	1.78	ND	1.81	ND	1.96	ND	2.39	ND	1.73	ND	1.99
Perfluorotridecanoic Acid (PFTrDA)	ND	1.76	ND	1.79	ND	1.79	ND	1.9	ND	1.78	ND	1.81	ND	1.96	ND	2.39	ND	1.73	ND	1.99
Perfluorotetradecanoic Acid (PFTA)	ND	1.76	ND	1.79	ND	1.79	ND	1.9	ND	1.78	ND	1.81	ND	1.96	ND	2.39	ND	1.73	ND	1.99
PFOA/PFOS, Total	**20.535**		**23.706**		**20.686**		**23.878**		**24.32**		**14.17**		**14.67**		**11.82**		**8.85**		**13.665**	
Total Compounds	**64.167**		**49.577**		**46.296**		**51.518**		**85.734**		**102.544**		**26.044**		**24.8**		**26.968**		**54.965**	

Notes:

DL- Detection Limit

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J- The value is estimated.

ND- Not Detected

The USEPA Health Advisory Level for drinking water is 70 ng/L (ppt) for combined detections of PFOA and PFOs

Table 3
1815-1825 Ocean Avenue
Brooklyn, New York
PFAs

Compound	(17GW3)							
	17GW3		17GW3		17GW3		17GW3	
	12/19/2019		10/14/2021		1/12/2022		3/28/2022	
	ng/L		ng/L		ng/L		ng/L	
	Results	RL	Results	RL	Results	RL	Results	RL
Perfluorobutanoic Acid (PFBA)	**17.8**	1.8	**4.88**	1.72	**3.23**	1.72	**2.76**	1.97
Perfluoropentanoic Acid (PFPeA)	**12.8**	1.8	**3.86**	1.72	**3.21**	1.72	**1.37J**	1.97
Perfluorobutanesulfonic Acid (PFBS)	**3.67**	1.8	**2.59F**	1.72	**1.12**	1.72	**0.872J**	1.97
Perfluorohexanoic Acid (PFHxA)	**15.2**	1.8	**3.2**	1.72	**1.77**	1.72	**0.927J**	1.97
Perfluoroheptanoic Acid (PFHpA)	**12.1**	1.8	**4.08**	1.72	**2.54**	1.72	**1.28J**	1.97
Perfluorohexanesulfonic Acid (PFHxS)	**5.1**	1.8	**2.9**	1.72	**2.9**	1.72	**2.45**	1.97
Perfluorooctanoic Acid (PFOA)	**104**	1.8	**40.2**	1.72	**27.9**	1.72	**14.6**	1.97
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	1.8	**3.38**	1.72	**6.76**	1.72	ND	1.97
Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.8	ND	1.72	ND	1.72	ND	1.97
Perfluorononanoic Acid (PFNA)	ND	1.8	**0.404J**	1.72	ND	1.72	ND	1.97
Perfluorooctanesulfonic Acid (PFOS)	**2.16**	1.8	**3.16**	1.72	**3.3**	1.72	**1.63J**	1.97
Perfluorodecanoic Acid (PFDA)	ND	1.8	ND	1.72	ND	1.72	ND	1.97
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.8	ND	1.72	ND	1.72	ND	1.97
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	1.8	ND	1.72	ND	1.72	ND	1.97
Perfluoroundecanoic Acid (PFUnA)	ND	1.8	ND	1.72	ND	1.72	ND	1.97
Perfluorodecanesulfonic Acid (PFDS)	ND	1.8	ND	1.72	ND	1.72	ND	1.97
Perfluorooctanesulfonamide (FOSA)	ND	1.8	ND	1.72	ND	1.72	ND	1.97
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.8	ND	1.72	ND	1.72	ND	1.97
Perfluorododecanoic Acid (PFDoA)	ND	1.8	ND	1.72	ND	1.72	ND	1.97
Perfluorotridecanoic Acid (PFTrDA)	ND	1.8	ND	1.72	ND	1.72	ND	1.97
Perfluorotetradecanoic Acid (PFTA)	ND	1.8	ND	1.72	ND	1.72	ND	1.97
PFOA/PFOS, Total	**106.16**		**43.36**		**31.2**		**16.2J**	
Total Compounds	**172.83**		**68.654**		**49.43**		**25.889**	

Notes:

DL- Detection Limit

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J- The value is estimated.

ND- Not Detected

The USEPA Health Advisory Level for drinking water is 70 ng/L (ppt) for combined detections of PFOA and PFOs

Table 3
1815-1825 Ocean Avenue
Brooklyn, New York
PFAs

Compound	Quarterly Groundwater Sampling (17GW4)																			
	17GW4		17GW4		17GW4		17GW4		17GW4		17GW4		17GW4		17GW4		17GW4		17GW4	
	12/19/2019		3/26/2020		6/29/2020		9/29/2020		12/11/2020		3/29/2021		6/28/2021		9/30/2021		1/12/2022		3/28/2022	
	ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L	
	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Perfluorobutanoic Acid (PFBA)	**30.4**	1.74	**63.9**	1.79	**2.09**	1.82	**13.5**	1.96	**24**	1.86	**4.47**	1.92	**16.8**	1.92	**22.8**	1.86	**19.2**	1.71	**23.6**	1.89
Perfluoropentanoic Acid (PFPeA)	**21.5**	1.74	**24.9**	1.79	**3.54**	1.82	**18.1**	1.96	**34.6**	1.86	**5.72**	1.92	**21.1**	1.92	**20**	1.86	**19.8**	1.71	**12.2**	1.89
Perfluorobutanesulfonic Acid (PFBS)	**7.98**	1.74	**6.74**	1.79	**0.474J**	1.82	**3.21**	1.96	**12.2**	1.86	**2.06**	1.92	**5.56**	1.92	**5.14**	1.86	**7.13**	1.71	**8.12**	1.89
Perfluorohexanoic Acid (PFHxA)	**19**	1.74	**18.8**	1.79	**4**	1.82	**10.6**	1.96	**23.3**	1.86	**3.95**	1.92	**13.5**	1.92	**12.9**	1.86	**15**	1.71	**8.67**	1.89
Perfluoroheptanoic Acid (PFHpA)	**13**	1.74	**14.3**	1.79	**1.45J**	1.82	**2.64**	1.96	**8.54**	1.86	**1.66J**	1.92	**4.32**	1.92	**4.19**	1.86	**7.77**	1.71	**3.79**	1.89
Perfluorohexanesulfonic Acid (PFHxS)	**4.21**	1.74	**4.22**	1.79	**0.463J**	1.82	**0.574J**	1.96	**2.52**	1.86	**0.538J**	1.92	**1.42J**	1.92	**1.52J**	1.86	**2.38**	1.71	**1.35J**	1.89
Perfluorooctanoic Acid (PFOA)	**84.6**	1.74	**96**	1.79	**14.3**	1.82	**7.68**	1.96	**41.5F**	1.86	**7.85**	1.92	**19.7**	1.92	**30.8**	1.86	**43.8**	1.71	**22.7**	1.89
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	1.74	ND	1.79	ND	1.82	ND	1.96	**35.6F**	1.86	ND	1.92	ND	1.92	ND	1.86	**4.41**	1.71	ND	1.89
Perfluoroheptanesulfonic Acid (PFHpS)	**0.644J**	1.74	**1.42J**	1.79	ND	1.82	ND	1.96	**0.713J**	1.86	ND	1.92	ND	1.92	ND	1.86	ND	1.71	ND	1.89
Perfluorononanoic Acid (PFNA)	**3.35**	1.74	**3.4**	1.79	**1.63J**	1.82	**1.33J**	1.96	**3.4**	1.86	**1.62J**	1.92	**1.02J**	1.92	**5.55**	1.86	**3.45**	1.71	**2.55F**	1.89
Perfluorooctanesulfonic Acid (PFOS)	**60.5**	1.74	**68.3**	1.79	**35.5**	1.82	**32.6F**	1.96	**62.2F**	1.86	**22**	1.92	**25.6**	1.92	**142**	1.86	**109**	1.71	**53.9**	1.89
Perfluorodecanoic Acid (PFDA)	**0.286J**	1.74	ND	1.79	**0.649J**	1.82	**0.763J**	1.96	**1.06J**	1.86	ND	1.92	**0.423JF**	1.92	**0.724J**	1.86	**0.752**	1.71	**0.581J**	1.89
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.74	ND	1.79	ND	1.82	ND	1.96	ND	1.86	ND	1.92	ND	1.92	ND	1.86	ND	1.71	ND	1.89
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	1.74	ND	1.79	ND	1.82	ND	1.96	ND	1.86	ND	1.92	ND	1.92	ND	1.86	ND	1.71	ND	1.89
Perfluoroundecanoic Acid (PFUnA)	ND	1.74	ND	1.79	ND	1.82	ND	1.96	ND	1.86	ND	1.92	ND	1.92	ND	1.86	ND	1.71	ND	1.89
Perfluorodecanesulfonic Acid (PFDS)	ND	1.74	ND	1.79	ND	1.82	ND	1.96	ND	1.86	ND	1.92	ND	1.92	ND	1.86	ND	1.71	ND	1.89
Perfluorooctanesulfonamide (FOSA)	ND	1.74	ND	1.79	ND	1.82	ND	1.96	ND	1.86	ND	1.92	ND	1.92	ND	1.86	ND	1.71	ND	1.89
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.74	ND	1.79	ND	1.82	ND	1.96	ND	1.86	ND	1.92	ND	1.92	ND	1.86	ND	1.71	ND	1.89
Perfluorododecanoic Acid (PFDoA)	ND	1.74	ND	1.79	ND	1.82	ND	1.96	ND	1.86	ND	1.92	ND	1.92	ND	1.86	ND	1.71	ND	1.89
Perfluorotridecanoic Acid (PFTrDA)	ND	1.74	ND	1.79	ND	1.82	ND	1.96	ND	1.86	ND	1.92	ND	1.92	ND	1.86	ND	1.71	ND	1.89
Perfluorotetradecanoic Acid (PFTA)	ND	1.74	ND	1.79	ND	1.82	ND	1.96	ND	1.86	ND	1.92	ND	1.92	ND	1.86	ND	1.71	ND	1.89
PFOA/PFOS, Total	**145.1**		**164.3**		**49.8**		**40.28**		**103.7**		**29.85**		**41.7**		**172.8**		**153**		**76.6**	
Total Compounds	**245.47**		**301.98**		**64.096**		**90.997**		**249.633**		**49.868**		**110.398**		**245.624**		**232.692**		**137.461**	

Notes:

DL- Detection Limit

F- The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration. (DoD and NYSDEC Part 375 PFAS only.)

J- The value is estimated.

ND- Not Detected

The USEPA Health Advisory Level for drinking water is 70 ng/L (ppt) for combined detections of PFOA and PFOs

Table 3
1815-1825 Ocean Avenue
Brooklyn, New York
PFAs

Compound	(17GW5)			
	17GW5		17GW5	
	12/19/2019		3/28/2022	
	ng/L		ng/L	
	Results	RL	Results	RL
Perfluorobutanoic Acid (PFBA)	**60.8**	1.87	**26.6**	2.15
Perfluoropentanoic Acid (PFPeA)	**22.9**	1.87	**40.1**	2.15
Perfluorobutanesulfonic Acid (PFBS)	**6.37**	1.87	**9.57**	2.15
Perfluorohexanoic Acid (PFHxA)	**26.9**	1.87	**50.7**	2.15
Perfluoroheptanoic Acid (PFHpA)	**25**	1.87	**36.4**	2.15
Perfluorohexanesulfonic Acid (PFHxS)	**10.1**	1.87	**11.3**	2.15
Perfluorooctanoic Acid (PFOA)	**87.6**	1.87	**89.3**	2.15
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	1.87	**1.95J**	2.15
Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.87	ND	2.15
Perfluorononanoic Acid (PFNA)	**0.992J**	1.87	**0.404JF**	2.15
Perfluorooctanesulfonic Acid (PFOS)	**5.01**	1.87	**2.04J**	2.15
Perfluorodecanoic Acid (PFDA)	ND	1.87	ND	2.15
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.87	ND	2.15
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	1.87	ND	2.15
Perfluoroundecanoic Acid (PFUnA)	ND	1.87	ND	2.15
Perfluorodecanesulfonic Acid (PFDS)	ND	1.87	ND	2.15
Perfluorooctanesulfonamide (FOSA)	ND	1.87	ND	2.15
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.87	ND	2.15
Perfluorododecanoic Acid (PFDoA)	ND	1.87	ND	2.15
Perfluorotridecanoic Acid (PFTrDA)	ND	1.87	ND	2.15
Perfluorotetradecanoic Acid (PFTA)	ND	1.87	ND	2.15
PFOA/PFOS, Total	**92.61**		**91.3J**	
Total Compounds	**245.672**		**268.364**	

Notes:

DL- Detection Limit

F- The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration. (DoD and NYSDEC Part 375 PFAS only.)

J- The value is estimated.

ND- Not Detected

The USEPA Health Advisory Level for drinking water is 70 ng/L (ppt) for combined detections of PFOA and PFOs

Table 3
1815-1825 Ocean Avenue
Brooklyn, New York
PFAs

Compound	Quarterly Groundwater Sampling (17GW6)																	
	17GW6		17GW6		17GW6		17GW6		17GW6		17GW6		17GW6		17GW6		17GW6	
	12/19/2019		3/26/2020		6/29/2020		9/29/2020		12/11/2020		3/29/2021		6/28/2021		9/30/2021		1/12/2022		3/28/2022	
	ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L	
	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Perfluorobutanoic Acid (PFBA)	**15**	1.76	**5.08**	1.75	**1.29J**	1.81	**0.521J**	1.93	ND	1.81	**2.37**	1.82	**0.993J**	1.88	ND	2.42	**1.13**	1.71	**0.445J**	2.14
Perfluoropentanoic Acid (PFPeA)	**3.3**	1.76	**1.15J**	1.75	**1.29J**	1.81	**0.907J**	1.93	**1.13J**	1.81	**0.708J**	1.82	**0.937J**	1.88	**2.22J**	2.42	**1.32**	1.71	**0.809J**	2.14
Perfluorobutanesulfonic Acid (PFBS)	**1.47J**	1.76	**0.385J**	1.75	**1.88**	1.81	**0.374J**	1.93	**0.453J**	1.81	**0.945J**	1.82	**0.670J**	1.88	ND	2.42	**0.511**	1.71	**0.308J**	2.14
Perfluorohexanoic Acid (PFHxA)	**2.78**	1.76	**1.00J**	1.75	**1.14J**	1.81	**0.834J**	1.93	**0.508J**	1.81	**0.598J**	1.82	**1.01J**	1.88	**0.792J**	2.42	**1.21**	1.71	**0.646J**	2.14
Perfluoroheptanoic Acid (PFHpA)	**2.31**	1.76	**0.654J**	1.75	**0.775J**	1.81	**0.768J**	1.93	**0.508J**	1.81	**0.591J**	1.82	**0.741J**	1.88	**0.614J**	2.42	**0.894**	1.71	**0.561J**	2.14
Perfluorohexanesulfonic Acid (PFHxS)	**0.655J**	1.76	ND	1.75	**0.485J**	1.81	**0.467J**	1.93	ND	1.81	**0.504J**	1.82	**0.504J**	1.88	ND	2.42	**0.733**	1.71	**0.496J**	2.14
Perfluorooctanoic Acid (PFOA)	**8.98**	1.76	**3.26**	1.75	**3.33**	1.81	**3.41**	1.93	**3.19F**	1.81	**3.45**	1.82	**4.6**	1.88	**3.96**	2.42	**5.42**	1.71	**4.36**	2.14
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	1.76	ND	1.75	**1.47J**	1.81	ND	1.93	**7.38F**	1.81	ND	1.82	ND	1.88	ND	2.42	**12.1**	1.71	ND	2.14
Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.76	ND	1.75	ND	1.81	ND	1.93	ND	1.81	ND	1.82	ND	1.88	ND	2.42	ND	1.71	ND	2.14
Perfluorononanoic Acid (PFNA)	ND	1.76	ND	1.75	ND	1.81	ND	1.93	ND	1.81	**0.284J**	1.82	ND	1.88	ND	2.42	ND	1.71	ND	2.14
Perfluorooctanesulfonic Acid (PFOS)	ND	1.76	ND	1.75	ND	1.81	ND	1.93	ND	1.81	ND	1.82	**0.734JF**	1.88	ND	2.42	**0.723**	1.71	ND	2.14
Perfluorodecanoic Acid (PFDA)	ND	1.76	ND	1.75	ND	1.81	ND	1.93	ND	1.81	ND	1.82	ND	1.88	ND	2.42	ND	1.71	ND	2.14
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.76	ND	1.75	ND	1.81	ND	1.93	ND	1.81	ND	1.82	ND	1.88	ND	2.42	ND	1.71	ND	2.14
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	1.76	ND	1.75	ND	1.81	ND	1.93	ND	1.81	ND	1.82	ND	1.88	ND	2.42	ND	1.71	ND	2.14
Perfluoroundecanoic Acid (PFUnA)	ND	1.76	ND	1.75	ND	1.81	ND	1.93	ND	1.81	ND	1.82	ND	1.88	ND	2.42	ND	1.71	ND	2.14
Perfluorodecanesulfonic Acid (PFDS)	ND	1.76	ND	1.75	ND	1.81	ND	1.93	ND	1.81	ND	1.82	ND	1.88	ND	2.42	ND	1.71	ND	2.14
Perfluorooctanesulfonamide (FOSA)	ND	1.76	ND	1.75	ND	1.81	ND	1.93	ND	1.81	ND	1.82	ND	1.88	ND	2.42	ND	1.71	ND	2.14
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.76	ND	1.75	ND	1.81	ND	1.93	ND	1.81	ND	1.82	ND	1.88	ND	2.42	ND	1.71	ND	2.14
Perfluorododecanoic Acid (PFDoA)	ND	1.76	ND	1.75	ND	1.81	ND	1.93	ND	1.81	ND	1.82	ND	1.88	ND	2.42	ND	1.71	ND	2.14
Perfluorotridecanoic Acid (PFTrDA)	ND	1.76	ND	1.75	ND	1.81	ND	1.93	ND	1.81	ND	1.82	ND	1.88	ND	2.42	ND	1.71	ND	2.14
Perfluorotetradecanoic Acid (PFTA)	ND	1.76	ND	1.75	ND	1.81	ND	1.93	ND	1.81	ND	1.82	ND	1.88	ND	2.42	ND	1.71	ND	2.14
PFOA/PFOS, Total	**8.98**		**3.26**		**3.33**		**3.41**		**3.19**		**3.45**		**4.6**		**3.96**		**6.14**		**4.36**	
Total Compounds	**34.495**		**9.379**		**11.66**		**7.281**		**13.169**		**9.45**		**8.23**		**7.586**		**24.041**		**7.625**	

Notes:

DL- Detection Limit

F- The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration. (DoD and NYSDEC Part 375 PFAS only.)

J- The value is estimated.

ND- Not Detected

The USEPA Health Advisory Level for drinking water is 70 ng/L (ppt) for combined detections of PFOA and PFOs

Table 3
1815-1825 Ocean Avenue
Brooklyn, New York
PFAs

Compound	Quarterly Groundwater Sampling (Duplicates)																			
	Duplicate (17GW6)		Duplicate (17GW6)		Duplicate (17GW6)		Duplicate (17GW6)		Duplicate (17GW6)		Duplicate (17GW6)		Duplicate (17GW4)		Duplicate (17GW4)		Duplicate		Duplicate		Duplicate	
	12/19/2019		3/26/2020		6/29/2020		9/29/2020		12/11/2020		3/29/2021		6/28/2021		9/30/2021		10/14/2021		1/12/2022		3/28/2022	
	ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L	
	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Perfluorobutanoic Acid (PFBA)	**16.6**	1.77	**5.11**	1.77	**1.04J**	1.75	**0.532J**	1.97	ND	1.78	**2.31**	1.9	**16.5**	1.89	**22.5**	2.23	**4.86**	1.74	**1.65**	1.72	**29.8**	1.98
Perfluoropentanoic Acid (PFPeA)	**3.24**	1.77	**1.22J**	1.77	**1.38J**	1.75	**1.04J**	1.97	**0.910J**	1.78	**0.633J**	1.9	**20.9**	1.89	**20.5**	2.23	**3.62**	1.74	**1.5**	1.72	**5.98**	1.98
Perfluorobutanesulfonic Acid (PFBS)	**1.33J**	1.77	**0.294J**	1.77	**1.83**	1.75	**0.402J**	1.97	**0.562J**	1.78	**0.964J**	1.9	**5.41**	1.89	**5.08**	2.23	**2.10F**	1.74	**0.642**	1.72	**1.91J**	1.98
Perfluorohexanoic Acid (PFHxA)	**2.73**	1.77	**1.04J**	1.77	**1.05J**	1.75	**0.918J**	1.97	**0.537J**	1.78	**0.618J**	1.9	**13.7**	1.89	**13.1**	2.23	**3.19**	1.74	**1.34**	1.72	**3.8**	1.98
Perfluoroheptanoic Acid (PFHpA)	**2.59**	1.77	**0.698J**	1.77	**0.662J**	1.75	**0.855J**	1.97	**0.498J**	1.78	**0.625J**	1.9	**4.3**	1.89	**4.62**	2.23	**3.99**	1.74	**1.04**	1.72	**3.01**	1.98
Perfluorohexanesulfonic Acid (PFHxS)	**1.01J**	1.77	ND	1.77	**0.456J**	1.75	**0.528J**	1.97	**0.448J**	1.78	**0.412J**	1.9	**1.38J**	1.89	**1.56J**	2.23	**2.7**	1.74	**0.842**	1.72	**1.26J**	1.98
Perfluorooctanoic Acid (PFOA)	**9.48**	1.77	**3.35**	1.77	**3.15**	1.75	**3.52**	1.97	**3.10F**	1.78	**3.66**	1.9	**18.9**	1.89	**32.4**	2.23	**40.5**	1.74	**5.91**	1.72	**13.5**	1.98
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	1.77	ND	1.77	ND	1.75	ND	1.97	**6.20F**	1.78	ND	1.9	ND	1.89	ND	2.23	**1.89**	1.74	**10.6**	1.72	ND	1.98
Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.77	ND	1.77	ND	1.75	ND	1.97	ND	1.78	ND	1.9	ND	1.89	ND	2.23	ND	1.74	ND	1.72	ND	1.98
Perfluorononanoic Acid (PFNA)	ND	1.77	ND	1.77	ND	1.75	ND	1.97	ND	1.78	**0.434J**	1.9	**0.954J**	1.89	**5.88**	2.23	**0.362J**	1.74	ND	1.72	ND	1.98
Perfluorooctanesulfonic Acid (PFOS)	ND	1.77	ND	1.77	ND	1.75	**1.14J**	1.97	ND	1.78	ND	1.9	**24.5**	1.89	**152**	2.23	**3.44**	1.74	**1.64**	1.72	**1.13J**	1.98
Perfluorodecanoic Acid (PFDA)	ND	1.77	ND	1.77	ND	1.75	ND	1.97	ND	1.78	ND	1.9	**0.439J**	1.89	**0.666J**	2.23	ND	1.74	ND	1.72	ND	1.98
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.77	ND	1.77	ND	1.75	ND	1.97	ND	1.78	ND	1.9	ND	1.89	ND	2.23	ND	1.74	ND	1.72	ND	1.98
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	1.77	ND	1.77	ND	1.75	ND	1.97	ND	1.78	ND	1.9	ND	1.89	ND	2.23	ND	1.74	ND	1.72	ND	1.98
Perfluoroundecanoic Acid (PFUnA)	ND	1.77	ND	1.77	ND	1.75	ND	1.97	ND	1.78	ND	1.9	ND	1.89	ND	2.23	ND	1.74	ND	1.72	ND	1.98
Perfluorodecanesulfonic Acid (PFDS)	ND	1.77	ND	1.77	ND	1.75	ND	1.97	ND	1.78	ND	1.9	ND	1.89	ND	2.23	ND	1.74	ND	1.72	ND	1.98
Perfluorooctanesulfonamide (FOSA)	ND	1.77	ND	1.77	ND	1.75	ND	1.97	ND	1.78	ND	1.9	ND	1.89	ND	2.23	ND	1.74	ND	1.72	ND	1.98
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.77	ND	1.77	ND	1.75	ND	1.97	ND	1.78	ND	1.9	ND	1.89	ND	2.23	ND	1.74	ND	1.72	ND	1.98
Perfluorododecanoic Acid (PFDoA)	ND	1.77	ND	1.77	ND	1.75	ND	1.97	ND	1.78	ND	1.9	ND	1.89	ND	2.23	ND	1.74	ND	1.72	ND	1.98
Perfluorotridecanoic Acid (PFTrDA)	ND	1.77	ND	1.77	ND	1.75	ND	1.97	ND	1.78	ND	1.9	ND	1.89	ND	2.23	ND	1.74	ND	1.72	ND	1.98
Perfluorotetradecanoic Acid (PFTA)	ND	1.77	**0.323J**	1.77	ND	1.75	ND	1.97	ND	1.78	ND	1.9	ND	1.89	ND	2.23	ND	1.74	ND	1.72	ND	1.98
PFOA/PFOS, Total	**9.48**		**3.35**		**3.15**		**4.66**		**3.1**		**3.66**		**18.9**		**184.4**		**43.94**		**7.55**		**14.6J**	
Total Compounds	**36.98**		**11.712**		**9.568**		**8.935**		**12.255**		**9.656**		**107.896**		**262.266**		**69.91**		**25.164**		**60.39**	

Notes:

DL- Detection Limit

F- The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration. (DoD and NYSDEC Part 375 PFAS only.)

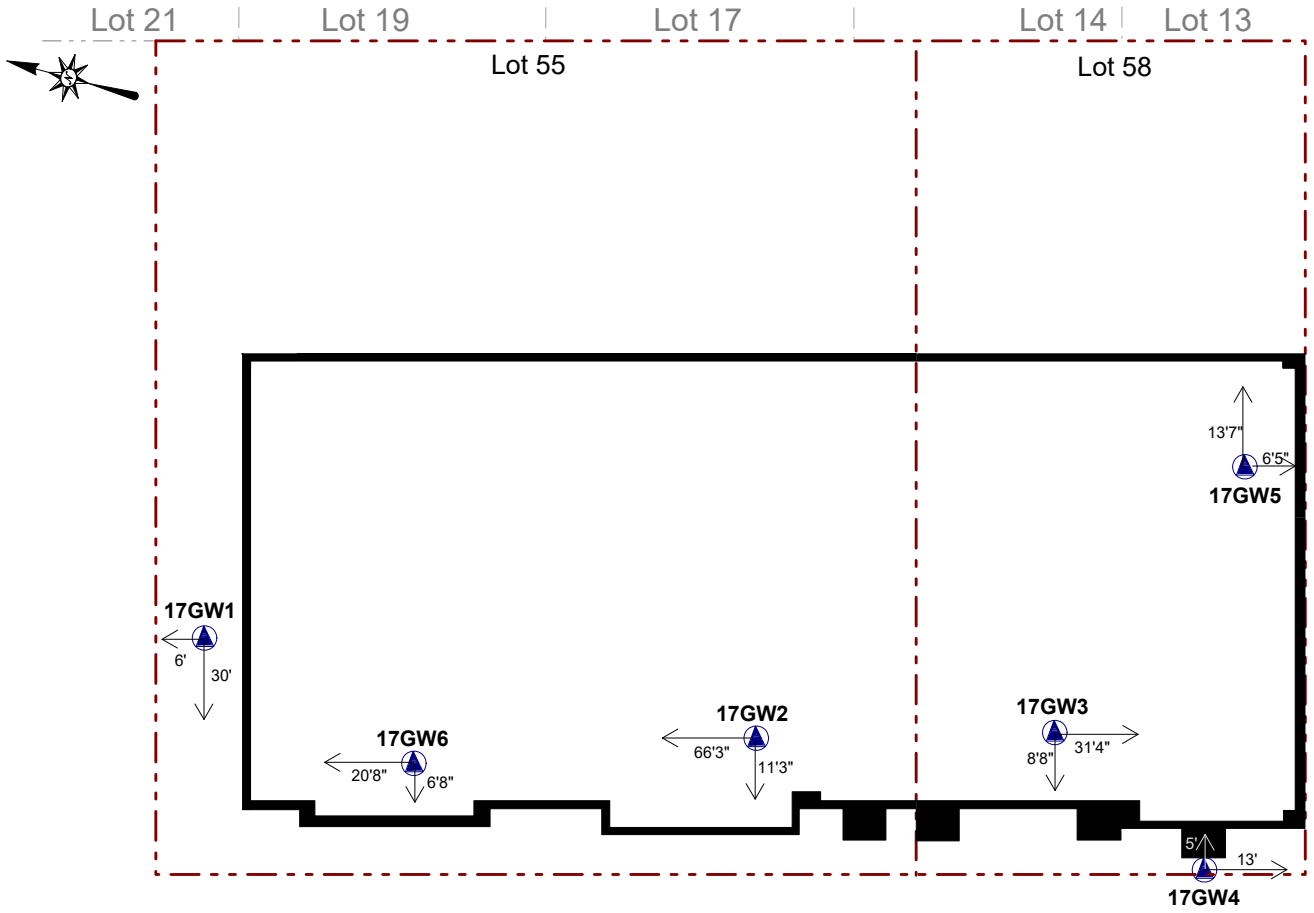
J- The value is estimated.

ND- Not Detected

The USEPA Health Advisory Level for drinking water is 70 ng/L (ppt) for combined detections of PFOA and PFOs

FIGURES

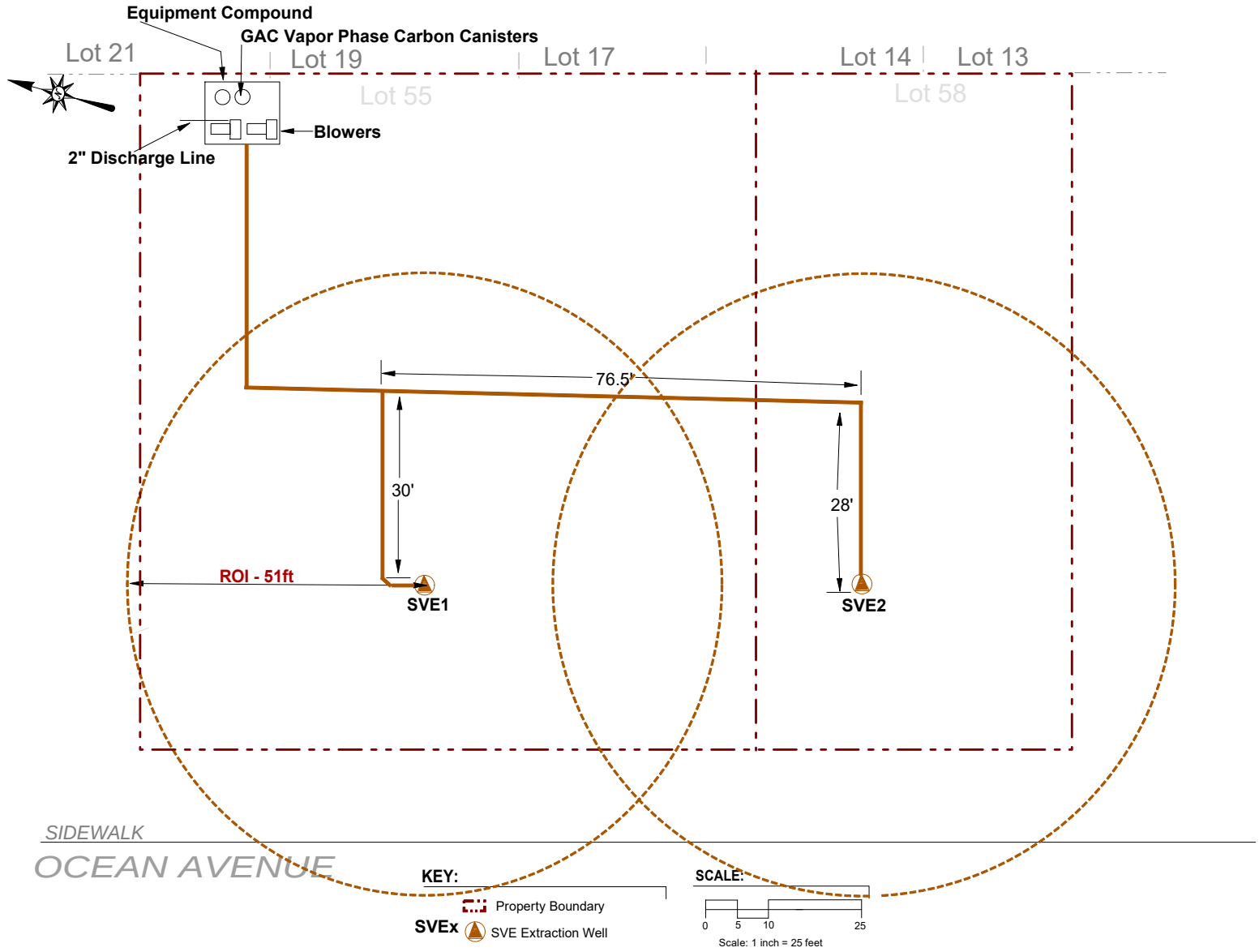
1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631.924.2870



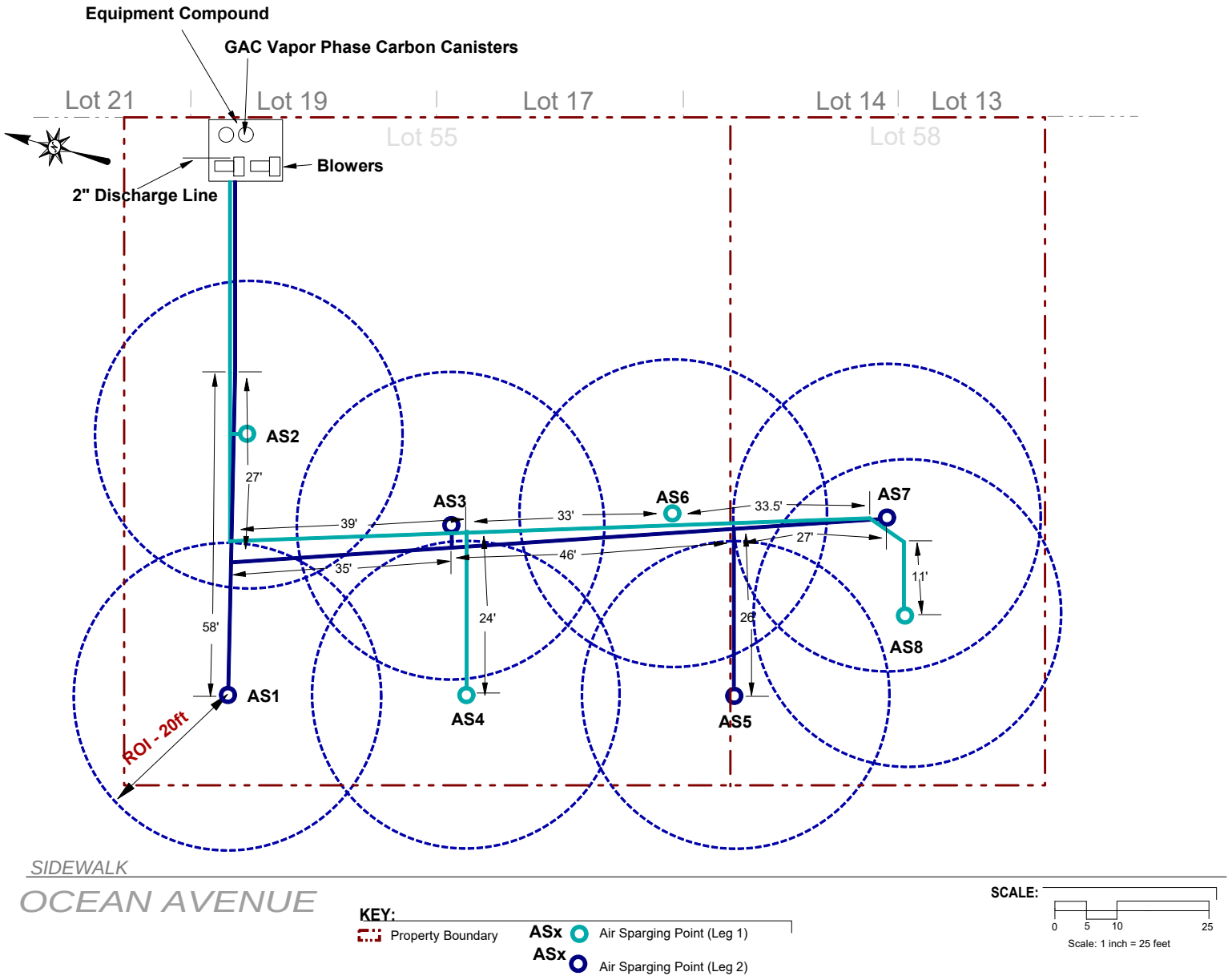
AMC Engineeting, PLLC
18-36 42nd Street
Astoria, NY 11105

Figure No.
5

Site Name: FORMER TOMAT SERVICE STATION
Site Address: 1815-1825 OCEAN AVENUE, BROOKLYN, NY
Drawing Title: MONITORING WELL LOCATIONS



AMC Engineeting, PLLC 18-36 42nd Street Astoria, NY 11105	*Figure No.* **9**	Site Name:	FORMER TOMAT SERVICE STATION
		Site Address:	1815-1825 OCEAN AVENUE, BROOKLYN, NY
		Drawing Title:	SOIL VAPOR EXTRACTION SYSTEM LAYOUT



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

Figure No. **10**

Site Name:	FORMER TOMAT SERVICE STATION
Site Address:	1815-1825 OCEAN AVENUE, BROOKLYN, NY
Drawing Title:	AIR SPARGE SYSTEM LAYOUT

APPENDIX A

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORMS

1808 MIDDLE COUNTRY ROAD
RIDGE, NY 11961
PHONE 631.504.6000
FAX 631.924.2870

APPENDIX B

GROUNDWATER LABORATORY REPORTS

1808 MIDDLE COUNTRY ROAD
RIDGE, NY 11961
PHONE 631.504.6000
FAX 631.924.2870

PHOENIX
Environmental Laboratories, Inc.

Wednesday, April 06, 2022

Attn:
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: **1815 OCEAN AVENUE BROOKLYN**
SDG ID: **GCK96965**
Sample ID#s: CK96965 - CK96972

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

April 06, 2022

SDG I.D.: GCK96965

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.

1,4-dioxane:
1,4-dioxane does not meet GW criteria, this compound is analyzed by GC/MS method 522 or 8270SIM when this criteria needs to be met.

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Sample Id Cross Reference

April 06, 2022

SDG I.D.: GCK96965

Project ID: 1815 OCEAN AVENUE BROOKLYN

Client Id	Lab Id	Matrix
17 GW 1	CK96965	GROUND WATER
17 GW 2	CK96966	GROUND WATER
17 GW 3	CK96967	GROUND WATER
17 GW 4	CK96968	GROUND WATER
17 GW 5	CK96969	GROUND WATER
17 GW 6	CK96970	GROUND WATER
GW DUPLICATE	CK96971	GROUND WATER
TRIP BLANK	CK96972	GROUND WATER

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

April 06, 2022

FOR: Attn:
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	TG	03/28/22	11:50
Location Code:	EBC	Received by:	SW	03/29/22	17:42
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCK96965
Phoenix ID: CK96965

Project ID: 1815 OCEAN AVENUE BROOKLYN
Client ID: 17 GW 1

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	03/30/22	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2,4-Trimethylbenzene	27	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	03/30/22	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	03/30/22	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,3,5-Trimethylbenzene	5.4	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	03/30/22	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	03/30/22	MH	SW8260C	

Ver 1

Project ID: 1815 OCEAN AVENUE BROOKLYN
Client ID: 17 GW 1

Phoenix I.D.: CK96965

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	55	S	25	13	ug/L	5	03/30/22	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	03/30/22	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	03/30/22	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	03/30/22	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Chloroethane	0.35	J	5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	03/30/22	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Ethylbenzene	2.9		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	03/30/22	MH	SW8260C	
Isopropylbenzene	1.7		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
m&p-Xylene	2.2		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Methyl ethyl ketone	26		2.5	2.5	ug/L	1	03/30/22	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	03/30/22	MH	SW8260C	
Naphthalene	9.2		1.0	1.0	ug/L	1	03/30/22	MH	SW8260C	
n-Butylbenzene	1.4		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
n-Propylbenzene	4.3		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
p-Isopropyltoluene	0.66	J	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
sec-Butylbenzene	0.54	J	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	03/30/22	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	03/30/22	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	03/30/22	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	111				%	1	03/30/22	MH	70 - 130 %	
% Bromofluorobenzene	108				%	1	03/30/22	MH	70 - 130 %	
% Dibromofluoromethane	118				%	1	03/30/22	MH	70 - 130 %	

Project ID: 1815 OCEAN AVENUE BROOKLYN
Client ID: 17 GW 1

Phoenix I.D.: CK96965

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	105			%	1	03/30/22	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (5x)	101			%	5	03/30/22	MH	70 - 130 %
% Bromofluorobenzene (5x)	94			%	5	03/30/22	MH	70 - 130 %
% Dibromofluoromethane (5x)	104			%	5	03/30/22	MH	70 - 130 %
% Toluene-d8 (5x)	104			%	5	03/30/22	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100	50	ug/l	1	03/30/22	MH	SW8260C
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	03/30/22	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	03/30/22	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	03/30/22	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.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 06, 2022
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 06, 2022

FOR: Attn:
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	TG	03/28/22	9:40
Location Code:	EBC	Received by:	SW	03/29/22	17:42
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCK96965
Phoenix ID: CK96966

Project ID: 1815 OCEAN AVENUE BROOKLYN
Client ID: 17 GW 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Client MS/MSD	Completed					03/30/22			
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2,4-Trimethylbenzene	36	5.0	1.3	ug/L	5	03/30/22	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	03/30/22	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	03/30/22	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,3,5-Trimethylbenzene	3.3	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	03/30/22	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	

Project ID: 1815 OCEAN AVENUE BROOKLYN
Client ID: 17 GW 2

Phoenix I.D.: CK96966

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	03/30/22	MH	SW8260C	
Acetone	ND		5.0	2.5	ug/L	1	03/30/22	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	03/30/22	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	03/30/22	MH	SW8260C	
Benzene	0.34	J	0.70	0.25	ug/L	1	03/30/22	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	03/30/22	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Ethylbenzene	7.7		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	03/30/22	MH	SW8260C	
Isopropylbenzene	4.0		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
m&p-Xylene	26		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	03/30/22	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	03/30/22	MH	SW8260C	
Naphthalene	14		1.0	1.0	ug/L	1	03/30/22	MH	SW8260C	
n-Butylbenzene	0.42	J	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
n-Propylbenzene	4.6		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
o-Xylene	4.5		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
sec-Butylbenzene	0.86	J	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	03/30/22	MH	SW8260C	1
Toluene	0.67	J	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	03/30/22	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	03/30/22	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	101				%	1	03/30/22	MH	70 - 130 %	
% Bromofluorobenzene	99				%	1	03/30/22	MH	70 - 130 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Dibromofluoromethane	104			%	1	03/30/22	MH	70 - 130 %	
% Toluene-d8	92			%	1	03/30/22	MH	70 - 130 %	
% 1,2-dichlorobenzene-d4 (5x)	103			%	5	03/30/22	MH	70 - 130 %	
% Bromofluorobenzene (5x)	94			%	5	03/30/22	MH	70 - 130 %	
% Dibromofluoromethane (5x)	104			%	5	03/30/22	MH	70 - 130 %	
% Toluene-d8 (5x)	104			%	5	03/30/22	MH	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	03/30/22	HM	SW8260C	
Acrylonitrile	ND	5.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Tert-butyl alcohol	ND	50	10	ug/L	1	03/30/22	HM	SW8260C	
1,4-dioxane									
1,4-dioxane	ND	0.20	0.20	ug/l	1	03/30/22	AW	SW8270DSIM	1
QA/QC Surrogates									
% 1,4-dioxane-d8	75			%	1	03/30/22	AW	70 - 130 %	
Extraction for 1,4-Dioxane	Completed					03/30/22	G/G		

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.

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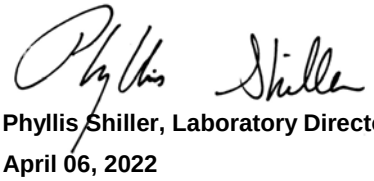

Phyllis Shiller, Laboratory Director

April 06, 2022

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

April 06, 2022

FOR: Attn:
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	TG	03/28/22	8:45
Location Code:	EBC	Received by:	SW	03/29/22	17:42
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCK96965
Phoenix ID: CK96967

Project ID: 1815 OCEAN AVENUE BROOKLYN
Client ID: 17 GW 3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	03/30/22	HM	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	03/30/22	HM	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	03/30/22	HM	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	03/30/22	HM	SW8260C	

Ver 1

Project ID: 1815 OCEAN AVENUE BROOKLYN
Client ID: 17 GW 3

Phoenix I.D.: CK96967

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	5.0	2.5	ug/L	1	03/30/22	HM	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	03/30/22	HM	SW8260C	
Acrylonitrile	ND	5.0	2.5	ug/L	1	03/30/22	HM	SW8260C	
Benzene	ND	0.70	0.25	ug/L	1	03/30/22	HM	SW8260C	
Bromobenzene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Bromodichloromethane	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Bromoform	ND	5.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Bromomethane	ND	5.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Carbon Disulfide	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Chlorobenzene	ND	5.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Chloroethane	ND	5.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Chloroform	ND	5.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Chloromethane	ND	5.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/30/22	HM	SW8260C	
Dibromochloromethane	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	03/30/22	HM	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	03/30/22	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Methylene chloride	ND	3.0	1.0	ug/L	1	03/30/22	HM	SW8260C	
Naphthalene	ND	1.0	1.0	ug/L	1	03/30/22	HM	SW8260C	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	03/30/22	HM	SW8260C	1
Toluene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/30/22	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	03/30/22	HM	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	104			%	1	03/30/22	HM	70 - 130 %	
% Bromofluorobenzene	97			%	1	03/30/22	HM	70 - 130 %	
% Dibromofluoromethane	104			%	1	03/30/22	HM	70 - 130 %	

Ver 1

Project ID: 1815 OCEAN AVENUE BROOKLYN
Client ID: 17 GW 3

Phoenix I.D.: CK96967

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8	94			%	1	03/30/22	HM	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	03/30/22	HM	SW8260C	
Acrylonitrile	ND	5.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Tert-butyl alcohol	ND	50	10	ug/L	1	03/30/22	HM	SW8260C	
1,4-dioxane									
1,4-dioxane	ND	0.20	0.20	ug/l	1	03/31/22	AW	SW8270DSIM	1
QA/QC Surrogates									
% 1,4-dioxane-d8	80			%	1	03/31/22	AW	70 - 130 %	
Extraction for 1,4-Dioxane	Completed					03/30/22	G/G		

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
April 06, 2022
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

April 06, 2022

FOR: Attn:
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	TG	03/28/22	12:30
Location Code:	EBC	Received by:	SW	03/29/22	17:42
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCK96965
Phoenix ID: CK96968

Project ID: 1815 OCEAN AVENUE BROOKLYN
Client ID: 17 GW 4

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	03/30/22	MH	SW8260C	
1,1,1-Trichloroethane	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,1-Dichloroethane	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,1-Dichloroethene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,1-Dichloropropene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2,3-Trichloropropane	ND		0.25	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2,4-Trimethylbenzene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND		0.50	0.50	ug/L	1	03/30/22	MH	SW8260C	
1,2-Dibromoethane	ND		0.25	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2-Dichlorobenzene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2-Dichloroethane	ND		0.60	0.50	ug/L	1	03/30/22	MH	SW8260C	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,3,5-Trimethylbenzene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,3-Dichlorobenzene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,3-Dichloropropane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
2,2-Dichloropropane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
2-Chlorotoluene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
2-Hexanone	ND		2.5	2.5	ug/L	1	03/30/22	MH	SW8260C	
2-Isopropyltoluene	0.27	J	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	1
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	03/30/22	MH	SW8260C	

Project ID: 1815 OCEAN AVENUE BROOKLYN
Client ID: 17 GW 4

Phoenix I.D.: CK96968

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	03/30/22	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	03/30/22	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	03/30/22	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	03/30/22	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	03/30/22	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	03/30/22	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	03/30/22	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	03/30/22	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	03/30/22	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
sec-Butylbenzene	0.42	J	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Tetrachloroethene	1.3		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	03/30/22	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	03/30/22	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	03/30/22	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	101				%	1	03/30/22	MH	70 - 130 %	
% Bromofluorobenzene	94				%	1	03/30/22	MH	70 - 130 %	
% Dibromofluoromethane	97				%	1	03/30/22	MH	70 - 130 %	

Ver 1

Project ID: 1815 OCEAN AVENUE BROOKLYN
Client ID: 17 GW 4

Phoenix I.D.: CK96968

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8	107			%	1	03/30/22	MH	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	03/30/22	HM	SW8260C	
Acrylonitrile	ND	5.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Tert-butyl alcohol	ND	50	10	ug/L	1	03/30/22	HM	SW8260C	
1,4-dioxane									
1,4-dioxane	ND	0.20	0.20	ug/l	1	03/31/22	AW	SW8270DSIM	1
QA/QC Surrogates									
% 1,4-dioxane-d8	74			%	1	03/31/22	AW	70 - 130 %	
Extraction for 1,4-Dioxane	Completed					03/30/22	G/G		

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.

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Phyllis Shiller, Laboratory Director
April 06, 2022
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

April 06, 2022

FOR: Attn:
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	TG	03/28/22	11:10
Location Code:	EBC	Received by:	SW	03/29/22	17:42
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCK96965
Phoenix ID: CK96969

Project ID: 1815 OCEAN AVENUE BROOKLYN
Client ID: 17 GW 5

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
1,1-Dichloroethene	ND	2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
1,1-Dichloropropene	ND	2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.50	0.50	ug/L	2	03/30/22	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
1,2,4-Trimethylbenzene	13	2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	1.0	ug/L	2	03/30/22	MH	SW8260C	
1,2-Dibromoethane	ND	0.50	0.50	ug/L	2	03/30/22	MH	SW8260C	
1,2-Dichlorobenzene	ND	2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
1,2-Dichloroethane	ND	1.0	1.0	ug/L	2	03/30/22	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
1,3,5-Trimethylbenzene	3.0	2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
1,3-Dichlorobenzene	ND	2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
1,3-Dichloropropane	ND	2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
1,4-Dichlorobenzene	ND	2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
2,2-Dichloropropane	ND	2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
2-Chlorotoluene	ND	2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
2-Hexanone	ND	5.0	5.0	ug/L	2	03/30/22	MH	SW8260C	
2-Isopropyltoluene	ND	2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	1
4-Chlorotoluene	ND	2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	5.0	ug/L	2	03/30/22	MH	SW8260C	

Project ID: 1815 OCEAN AVENUE BROOKLYN
Client ID: 17 GW 5

Phoenix I.D.: CK96969

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	44	S	10	5.0	ug/L	2	03/30/22	MH	SW8260C	
Acrolein	ND		5.0	5.0	ug/L	2	03/30/22	MH	SW8260C	
Acrylonitrile	ND		5.0	5.0	ug/L	2	03/30/22	MH	SW8260C	
Benzene	ND		0.70	0.50	ug/L	2	03/30/22	MH	SW8260C	
Bromobenzene	ND		2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
Bromochloromethane	ND		2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
Bromodichloromethane	ND		2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
Bromoform	ND		10	0.50	ug/L	2	03/30/22	MH	SW8260C	
Bromomethane	ND		5.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
Carbon Disulfide	ND		2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
Carbon tetrachloride	ND		2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
Chlorobenzene	ND		5.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
Chloroethane	ND		5.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
Chloroform	ND		7.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
Chloromethane	ND		5.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
cis-1,2-Dichloroethene	ND		2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L	2	03/30/22	MH	SW8260C	
Dibromochloromethane	ND		2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
Dibromomethane	ND		2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
Dichlorodifluoromethane	ND		2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
Ethylbenzene	ND		2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.40	ug/L	2	03/30/22	MH	SW8260C	
Isopropylbenzene	ND		2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
m&p-Xylene	0.60	J	2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
Methyl ethyl ketone	26		5.0	5.0	ug/L	2	03/30/22	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
Methylene chloride	ND		5.0	2.0	ug/L	2	03/30/22	MH	SW8260C	
Naphthalene	ND		2.0	2.0	ug/L	2	03/30/22	MH	SW8260C	
n-Butylbenzene	ND		2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
n-Propylbenzene	0.81	J	2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
o-Xylene	ND		2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
p-Isopropyltoluene	ND		2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
sec-Butylbenzene	ND		2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
Styrene	ND		2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
tert-Butylbenzene	ND		2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
Tetrachloroethene	ND		2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
Tetrahydrofuran (THF)	ND		10	5.0	ug/L	2	03/30/22	MH	SW8260C	1
Toluene	ND		2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L	2	03/30/22	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		5.0	5.0	ug/L	2	03/30/22	MH	SW8260C	
Trichloroethene	ND		2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
Trichlorofluoromethane	ND		2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
Trichlorotrifluoroethane	ND		2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
Vinyl chloride	ND		2.0	0.50	ug/L	2	03/30/22	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4 (2x)	100				%	2	03/30/22	MH	70 - 130 %	
% Bromofluorobenzene (2x)	98				%	2	03/30/22	MH	70 - 130 %	
% Dibromofluoromethane (2x)	100				%	2	03/30/22	MH	70 - 130 %	

Ver 1

Project ID: 1815 OCEAN AVENUE BROOKLYN
Client ID: 17 GW 5

Phoenix I.D.: CK96969

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8 (2x)	105			%	2	03/30/22	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	200	100	ug/l	2	03/30/22	MH	SW8260C
Volatiles								
1,1,1,2-Tetrachloroethane	ND	2.0	0.50	ug/L	2	03/30/22	MH	SW8260C
Acrolein	ND	5.0	5.0	ug/L	2	03/30/22	MH	SW8260C
Acrylonitrile	ND	5.0	0.50	ug/L	2	03/30/22	MH	SW8260C
Tert-butyl alcohol	ND	100	20	ug/L	2	03/30/22	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:
Elevated reporting limits due to the foamy nature of the sample.

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
April 06, 2022
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 06, 2022

FOR: Attn:
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	TG	03/28/22	10:30
Location Code:	EBC	Received by:	SW	03/29/22	17:42
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCK96965
Phoenix ID: CK96970

Project ID: 1815 OCEAN AVENUE BROOKLYN
Client ID: 17 GW 6

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	03/30/22	HM	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,2,4-Trimethylbenzene	2.4	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	03/30/22	HM	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	03/30/22	HM	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	03/30/22	HM	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	03/30/22	HM	SW8260C	

Project ID: 1815 OCEAN AVENUE BROOKLYN
Client ID: 17 GW 6

Phoenix I.D.: CK96970

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	03/30/22	HM	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	03/30/22	HM	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	03/30/22	HM	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	03/30/22	HM	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	03/30/22	HM	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Ethylbenzene	1.7		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	03/30/22	HM	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
m&p-Xylene	2.3		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	03/30/22	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	03/30/22	HM	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	03/30/22	HM	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
n-Propylbenzene	0.29	J	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	03/30/22	HM	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	03/30/22	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	03/30/22	HM	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	102				%	1	03/30/22	HM	70 - 130 %	
% Bromofluorobenzene	97				%	1	03/30/22	HM	70 - 130 %	
% Dibromofluoromethane	101				%	1	03/30/22	HM	70 - 130 %	

Ver 1

Project ID: 1815 OCEAN AVENUE BROOKLYN
Client ID: 17 GW 6

Phoenix I.D.: CK96970

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8	95			%	1	03/30/22	HM	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	03/30/22	HM	SW8260C	
Acrylonitrile	ND	5.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Tert-butyl alcohol	ND	50	10	ug/L	1	03/30/22	HM	SW8260C	
1,4-dioxane									
1,4-dioxane	ND	0.20	0.20	ug/l	1	03/31/22	AW	SW8270DSIM	1
QA/QC Surrogates									
% 1,4-dioxane-d8	76			%	1	03/31/22	AW	70 - 130 %	
Extraction for 1,4-Dioxane	Completed					03/30/22	G/G		

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.
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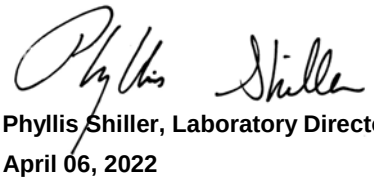

Phyllis Shiller, Laboratory Director
April 06, 2022
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 06, 2022

FOR: Attn:
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	TG	03/28/22	8:45
Location Code:	EBC	Received by:	SW	03/29/22	17:42
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCK96965
Phoenix ID: CK96971

Project ID: 1815 OCEAN AVENUE BROOKLYN
Client ID: GW DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2,4-Trimethylbenzene	40	5.0	1.3	ug/L	5	03/30/22	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	03/30/22	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	03/30/22	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,3,5-Trimethylbenzene	3.5	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	03/30/22	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	03/30/22	MH	SW8260C	

Ver 1

Project ID: 1815 OCEAN AVENUE BROOKLYN
Client ID: GW DUPLICATE

Phoenix I.D.: CK96971

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	03/30/22	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	03/30/22	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	03/30/22	MH	SW8260C	
Benzene	0.33	J	0.70	0.25	ug/L	1	03/30/22	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	03/30/22	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Ethylbenzene	8.0		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	03/30/22	MH	SW8260C	
Isopropylbenzene	4.1		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
m&p-Xylene	27		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	03/30/22	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	03/30/22	MH	SW8260C	
Naphthalene	14		1.0	1.0	ug/L	1	03/30/22	MH	SW8260C	
n-Butylbenzene	0.46	J	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
n-Propylbenzene	4.9		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
o-Xylene	4.8		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
sec-Butylbenzene	0.88	J	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	03/30/22	MH	SW8260C	1
Toluene	0.70	J	1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	03/30/22	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	03/30/22	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	03/30/22	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	102				%	1	03/30/22	MH	70 - 130 %	
% Bromofluorobenzene	101				%	1	03/30/22	MH	70 - 130 %	
% Dibromofluoromethane	103				%	1	03/30/22	MH	70 - 130 %	

Ver 1

Project ID: 1815 OCEAN AVENUE BROOKLYN
Client ID: GW DUPLICATE

Phoenix I.D.: CK96971

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8	96			%	1	03/30/22	MH	70 - 130 %	
% 1,2-dichlorobenzene-d4 (5x)	102			%	5	03/30/22	MH	70 - 130 %	
% Bromofluorobenzene (5x)	96			%	5	03/30/22	MH	70 - 130 %	
% Dibromofluoromethane (5x)	100			%	5	03/30/22	MH	70 - 130 %	
% Toluene-d8 (5x)	104			%	5	03/30/22	MH	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	03/30/22	HM	SW8260C	
Acrylonitrile	ND	5.0	0.25	ug/L	1	03/30/22	HM	SW8260C	
Tert-butyl alcohol	ND	50	10	ug/L	1	03/30/22	HM	SW8260C	
1,4-dioxane									
1,4-dioxane	ND	0.40	0.40	ug/l	1	04/04/22	AW	SW8270DSIM	1
QA/QC Surrogates									
% 1,4-dioxane-d8	86			%	1	04/04/22	AW	70 - 130 %	
Extraction for 1,4-Dioxane	Completed					04/01/22	DT/DT		

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
April 06, 2022
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

April 06, 2022

FOR: Attn:
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	TG	03/28/22	
Location Code:	EBC	Received by:	SW	03/29/22	17:42
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCK96965
Phoenix ID: CK96972

Project ID: 1815 OCEAN AVENUE BROOKLYN
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	03/29/22	HM	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	03/29/22	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	03/29/22	HM	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	03/29/22	HM	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	03/29/22	HM	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	03/29/22	HM	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	03/29/22	HM	SW8260C	

Project ID: 1815 OCEAN AVENUE BROOKLYN
Client ID: TRIP BLANK

Phoenix I.D.: CK96972

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	5.0	2.5	ug/L	1	03/29/22	HM	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	03/29/22	HM	SW8260C	
Acrylonitrile	ND	5.0	2.5	ug/L	1	03/29/22	HM	SW8260C	
Benzene	ND	0.70	0.25	ug/L	1	03/29/22	HM	SW8260C	
Bromobenzene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
Bromodichloromethane	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
Bromoform	ND	5.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
Bromomethane	ND	5.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
Carbon Disulfide	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
Chlorobenzene	ND	5.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
Chloroethane	ND	5.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
Chloroform	ND	5.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
Chloromethane	ND	5.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/29/22	HM	SW8260C	
Dibromochloromethane	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	03/29/22	HM	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	03/29/22	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
Methylene chloride	ND	3.0	1.0	ug/L	1	03/29/22	HM	SW8260C	
Naphthalene	ND	1.0	1.0	ug/L	1	03/29/22	HM	SW8260C	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	03/29/22	HM	SW8260C	1
Toluene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/29/22	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	03/29/22	HM	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	106			%	1	03/29/22	HM	70 - 130 %	
% Bromofluorobenzene	93			%	1	03/29/22	HM	70 - 130 %	
% Dibromofluoromethane	111			%	1	03/29/22	HM	70 - 130 %	

Ver 1

Project ID: 1815 OCEAN AVENUE BROOKLYN
Client ID: TRIP BLANK

Phoenix I.D.: CK96972

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	91			%	1	03/29/22	HM	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100	50	ug/l	1	03/29/22	HM	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	106			%	1	03/29/22	HM	70 - 130 %
% Bromofluorobenzene	93			%	1	03/29/22	HM	70 - 130 %
% Dibromofluoromethane	111			%	1	03/29/22	HM	70 - 130 %
% Toluene-d8	91			%	1	03/29/22	HM	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/29/22	HM	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	03/29/22	HM	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	03/29/22	HM	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	03/29/22	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.

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Phyllis Shiller, Laboratory Director
April 06, 2022
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Wednesday, April 06, 2022

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GCK96965 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CK96965	$8260DP25R	Acetone	NY / TAGM - Volatile Organics / Groundwater Standards	55	25	50	50	ug/L
CK96965	$8260DP25R	Naphthalene	NY / TAGM - Volatile Organics / Groundwater Standards	9.2	1.0	5	5	ug/L
CK96965	$8260DP25R	1,2,4-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	27	1.0	5	5	ug/L
CK96965	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CK96965	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CK96965	$8260DP25R	1,3,5-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	5.4	1.0	5	5	ug/L
CK96965	$8260DP25R	Acetone	NY / TOGS - Water Quality / GA Criteria	55	25	50	50	ug/L
CK96965	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CK96966	$8260DP25R	Naphthalene	NY / TAGM - Semi-Volatiles / Groundwater Standards	14	1.0	10	10	ug/L
CK96966	$8260DP25R	Ethylbenzene	NY / TAGM - Volatile Organics / Groundwater Standards	7.7	1.0	5	5	ug/L
CK96966	$8260DP25R	Naphthalene	NY / TAGM - Volatile Organics / Groundwater Standards	14	1.0	5	5	ug/L
CK96966	$8260DP25R	Naphthalene	NY / TOGS - Water Quality / GA Criteria	14	1.0	10	10	ug/L
CK96966	$8260DP25R	Ethylbenzene	NY / TOGS - Water Quality / GA Criteria	7.7	1.0	5	5	ug/L
CK96966	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CK96966	$8260DP25R	1,2,4-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	36	5.0	5	5	ug/L
CK96966	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CK96966	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CK96967	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CK96967	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CK96967	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CK96968	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CK96968	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CK96968	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CK96969	$8260DP25R	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.4	0.4	ug/L
CK96969	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CK96969	$8260DP25R	1,2,4-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	13	2.0	5	5	ug/L
CK96969	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
CK96969	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.0006	0.0006	ug/L
CK96969	$8260DP25R	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.6	0.6	ug/L
CK96969	$8260DP25R	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.4	0.4	ug/L
CK96970	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CK96970	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CK96970	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CK96971	$8260DP25R	Naphthalene	NY / TAGM - Semi-Volatiles / Groundwater Standards	14	1.0	10	10	ug/L
CK96971	$8260DP25R	Ethylbenzene	NY / TAGM - Volatile Organics / Groundwater Standards	8.0	1.0	5	5	ug/L
CK96971	$8260DP25R	Naphthalene	NY / TAGM - Volatile Organics / Groundwater Standards	14	1.0	5	5	ug/L
CK96971	$8260DP25R	Naphthalene	NY / TOGS - Water Quality / GA Criteria	14	1.0	10	10	ug/L

Wednesday, April 06, 2022

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GCK96965 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CK96971	$8260DP25R	Ethylbenzene	NY / TOGS - Water Quality / GA Criteria	8.0	1.0	5	5	ug/L
CK96971	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CK96971	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CK96971	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CK96971	$8260DP25R	1,2,4-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	40	5.0	5	5	ug/L
CK96972	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CK96972	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CK96972	$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

April 06, 2022

SDG I.D.: GCK96965

The samples in this delivery group were received at 1.0°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]

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

Temp 1.0 °C Pg 1 of 1

Contact Options:
[ ] Fax:
[ ] Phone: 631-504-6000
[X] Email: File

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

Project: 1815 Ocean Avenue Brooklyn
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O:

This section MUST be completed with Bottle Quantities.

Sampler's Signature: Thomas Gello Date: 3-28-22

Client Sample - Information - Identification

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	1,4 Dioxane 8270	GL Amber NAHSO4	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
960965	17GW1	GW	3-28	11:50	X								3				
960966	17GW2	GW	3-28	9:40	X	X					3		3				
960967	17GW3	GW	3-28	8:45	X	X					1		3				
960968	17GW4	GW	3-28	12:30	X	X					1		3				
960969	17GW5	GW	3-28	11:10	X								3				
960970	17GW6	GW	3-28	10:30	X	X					1		3				
960971	GW Duplicate	GW	3-28	9:45	X	X					1		3				
960972	Trip blanks				X								2				

Relinquished by:	Accepted by:	Date:	Time:
		3.29.22	14 58
		3/29	1742

Comments, Special Requirements or Regulations:

Run MS/MSD on 17GW2

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

AIR SAMPLE LABORATORY REPORTS

1808 MIDDLE COUNTRY ROAD
RIDGE, NY 11961
PHONE 631.504.6000
FAX 631.924.2870

PHOENIX
Environmental Laboratories, Inc.

Thursday, March 31, 2022

Attn:
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: **1815 OCEAN AVENUE**
SDG ID: **GCK95996**
Sample ID#s: CK95996 - CK95997

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

March 31, 2022

SDG I.D.: GCK95996

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Sample Id Cross Reference

March 31, 2022

SDG I.D.: GCK95996

Project ID: 1815 OCEAN AVENUE

Client Id	Lab Id	Matrix
POST CARBON	CK95996	AIR
PRE CARBON	CK95997	AIR

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

March 31, 2022

FOR: Attn:
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	TG	03/28/22	11:50
Location Code:	EBC	Received by:	SW	03/28/22	17:19
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	19859				

Laboratory Data

SDG ID: GCK95996
Phoenix ID: CK95996

Project ID: 1815 OCEAN AVENUE
Client ID: POST CARBON

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/29/22	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	03/29/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/29/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	03/29/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/29/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	03/29/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	03/29/22	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/29/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	03/29/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/29/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/29/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	03/29/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	03/29/22	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/29/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	03/29/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/29/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/29/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	03/29/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	03/29/22	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/29/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/29/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	03/29/22	KCA	1	
Acetone	6.03	*0.421*	0.421	14.3	*1.00*	1.00	03/29/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	03/29/22	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	03/29/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	03/29/22	KCA	1	

Project ID: 1815 OCEAN AVENUE
Client ID: POST CARBON

Phoenix I.D.: CK95996

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	03/29/22	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	03/29/22	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	03/29/22	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	03/29/22	KCA	1	
Carbon Tetrachloride	0.066	*0.032*	0.032	0.41	*0.20*	0.20	03/29/22	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	03/29/22	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	03/29/22	KCA	1	
Chloroform	1.41	*0.205*	0.205	6.88	*1.00*	1.00	03/29/22	KCA	1	
Chloromethane	ND	*0.485*	0.485	ND	*1.00*	1.00	03/29/22	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	03/29/22	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	03/29/22	KCA	1	
Cyclohexane	0.484	*0.291*	0.291	1.66	*1.00*	1.00	03/29/22	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	03/29/22	KCA	1	
Dichlorodifluoromethane	0.237	*0.202*	0.202	1.17	*1.00*	1.00	03/29/22	KCA	1	
Ethanol	11.0	*0.531*	0.531	20.7	*1.00*	1.00	03/29/22	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	03/29/22	KCA	1	1
Ethylbenzene	ND	*0.230*	0.230	ND	*1.00*	1.00	03/29/22	KCA	1	
Heptane	0.763	*0.244*	0.244	3.13	*1.00*	1.00	03/29/22	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	03/29/22	KCA	1	
Hexane	0.298	*0.284*	0.284	1.05	*1.00*	1.00	03/29/22	KCA	1	
Isopropylalcohol	3.15	*0.407*	0.407	7.74	*1.00*	1.00	03/29/22	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/29/22	KCA	1	
m,p-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	03/29/22	KCA	1	
Methyl Ethyl Ketone	1.09	*0.339*	0.339	3.21	*1.00*	1.00	03/29/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	03/29/22	KCA	1	
Methylene Chloride	ND	*0.863*	0.863	ND	*3.00*	3.00	03/29/22	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/29/22	KCA	1	1
o-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	03/29/22	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	03/29/22	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/29/22	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	03/29/22	KCA	1	
Tetrachloroethene	1.62	*0.037*	0.037	11.0	*0.25*	0.25	03/29/22	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	03/29/22	KCA	1	1
Toluene	0.402	*0.266*	0.266	1.51	*1.00*	1.00	03/29/22	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	03/29/22	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	03/29/22	KCA	1	
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	03/29/22	KCA	1	
Trichlorofluoromethane	ND	*0.178*	0.178	ND	*1.00*	1.00	03/29/22	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	03/29/22	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	03/29/22	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	93	*%*	%	93	*%*	%	03/29/22	KCA	1	
% IS-1,4-Difluorobenzene	121	*%*	%	121	*%*	%	03/29/22	KCA	1	
% IS-Bromochloromethane	120	*%*	%	120	*%*	%	03/29/22	KCA	1	
% IS-Chlorobenzene-d5	122	*%*	%	122	*%*	%	03/29/22	KCA	1	

Ver 1

Project ID: 1815 OCEAN AVENUE
Client ID: POST CARBON

Phoenix I.D.: CK95996

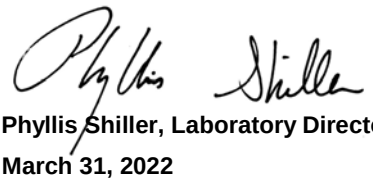
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

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:

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

March 31, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 31, 2022

FOR: Attn:
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	TG	03/28/22	11:43
Location Code:	EBC	Received by:	SW	03/28/22	17:19
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	19806				

Laboratory Data

SDG ID: GCK95996
Phoenix ID: CK95997

Project ID: 1815 OCEAN AVENUE
Client ID: PRE CARBON

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/29/22	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	03/29/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/29/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	03/29/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/29/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	03/29/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	03/29/22	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/29/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	03/29/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/29/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/29/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	03/29/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	03/29/22	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/29/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	03/29/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/29/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/29/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	03/29/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	03/29/22	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/29/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/29/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	03/29/22	KCA	1	
Acetone	4.49	*0.421*	0.421	10.7	*1.00*	1.00	03/29/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	03/29/22	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	03/29/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	03/29/22	KCA	1	

Project ID: 1815 OCEAN AVENUE
Client ID: PRE CARBON

Phoenix I.D.: CK95997

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	03/29/22	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	03/29/22	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	03/29/22	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	03/29/22	KCA	1	
Carbon Tetrachloride	0.083	*0.032*	0.032	0.52	*0.20*	0.20	03/29/22	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	03/29/22	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	03/29/22	KCA	1	
Chloroform	1.34	*0.205*	0.205	6.54	*1.00*	1.00	03/29/22	KCA	1	
Chloromethane	ND	*0.485*	0.485	ND	*1.00*	1.00	03/29/22	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	03/29/22	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	03/29/22	KCA	1	
Cyclohexane	0.473	*0.291*	0.291	1.63	*1.00*	1.00	03/29/22	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	03/29/22	KCA	1	
Dichlorodifluoromethane	0.377	*0.202*	0.202	1.86	*1.00*	1.00	03/29/22	KCA	1	
Ethanol	5.90	*0.531*	0.531	11.1	*1.00*	1.00	03/29/22	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	03/29/22	KCA	1	1
Ethylbenzene	ND	*0.230*	0.230	ND	*1.00*	1.00	03/29/22	KCA	1	
Heptane	ND	*0.244*	0.244	ND	*1.00*	1.00	03/29/22	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	03/29/22	KCA	1	
Hexane	ND	*0.284*	0.284	ND	*1.00*	1.00	03/29/22	KCA	1	
Isopropylalcohol	3.68	*0.407*	0.407	9.04	*1.00*	1.00	03/29/22	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/29/22	KCA	1	
m,p-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	03/29/22	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	0.339	ND	*1.00*	1.00	03/29/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	03/29/22	KCA	1	
Methylene Chloride	ND	*0.863*	0.863	ND	*3.00*	3.00	03/29/22	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/29/22	KCA	1	1
o-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	03/29/22	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	03/29/22	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/29/22	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	03/29/22	KCA	1	
Tetrachloroethene	1.68	*0.037*	0.037	11.4	*0.25*	0.25	03/29/22	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	03/29/22	KCA	1	1
Toluene	ND	*0.266*	0.266	ND	*1.00*	1.00	03/29/22	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	03/29/22	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	03/29/22	KCA	1	
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	03/29/22	KCA	1	
Trichlorofluoromethane	0.191	*0.178*	0.178	1.07	*1.00*	1.00	03/29/22	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	03/29/22	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	03/29/22	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	96	*%*	%	96	*%*	%	03/29/22	KCA	1	
% IS-1,4-Difluorobenzene	98	*%*	%	98	*%*	%	03/29/22	KCA	1	
% IS-Bromochloromethane	100	*%*	%	100	*%*	%	03/29/22	KCA	1	
% IS-Chlorobenzene-d5	95	*%*	%	95	*%*	%	03/29/22	KCA	1	

Ver 1

Project ID: 1815 OCEAN AVENUE
Client ID: PRE CARBON

Phoenix I.D.: CK95997

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

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:

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

March 31, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Canister Sampling Information

March 31, 2022

FOR: Attn:
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Location Code: EBC

SDG I.D.: GCK95996

Project ID: 1815 OCEAN AVENUE

						Laboratory					Field			
Client Id	Lab Id	Canister Id	Canister Type	Reg. Id	Chk Out Date	Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
POST CARBON	CK95996	19859	6.0L	0196	03/23/22	-30	-4	173	209	18.8	-26	-5	03/28/22 11:20	03/28/22 11:50
PRE CARBON	CK95997	19806	6.0L	7008	03/23/22	-30	-2	173	185	6.7	-27	-3	03/28/22 11:18	03/28/22 11:43

Thursday, March 31, 2022

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCK95996 - EBC

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

*** No Data to Display ***

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

CHAIN OF CUSTODY RECORD
AIR ANALYSES

PHOENIX Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860-645-1102 • Fax: 860-645-0823
860-645-1102
email: greg@phoenixlabs.com

EBC

P.O. # Page 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: E.T.R
☐ Phone #:

Report to:	Chawinie Reily	Project Name:	1815 Ocean Avenue	Data Format: (Circle) Equis Excel Other:	
Customer:	Environmental Business Consultants	Invoice to:	EBC	Requested Deliverable: RCP ASP CAT B	
Address:	1808 Middle Country Rd			MCP NJ Deliverables	
13400	Ridge NY 11961-2406	Sampled by:	Thomas Gallo	Quote Number:	

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-15	APH
	THIS SECTION FOR LAB USE ONLY												MATRIX			ANALYSES	
95996	Post Carbon	19859	6.0L	-30		0196	173	11:20	11:50	3-28	-26	-5		X		X	
*	Did Not Use	28607	6.0L	-30		5030	173										
95997	Pre Carbon	19806	6.0L	-30	-	7008	173	11:18	11:43	3-28	-27	-3		X		X	

Relinquished by:	Accepted by:	Date:	Time:	
		3-28-22	14:07	I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:
		3-28-22	17:19	Signature: Date:

State Where Samples Collected:

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

(3) - 6.0L 30 min

* can ID 28607 returned unused

Turnaround Time:
- 1 Day ☐
- 2 Day ☐
- 3 Day ☐
- 4 Day ☐
- 5 Day ☒

Requested Criteria: (Please Circle)

CT:	MA:	NJ:	NY:	PA:	VT:
TAC I/C TAC RES SVVC I/C SVVC RES GWV I/C GWV CES	Indoor Air: Residential Ind/Commercial Soil Gas: Residential Ind/Commercial	Indoor Air: Residential Ind/Commercial Soil Gas: Residential Ind/Commercial	Vapor Intrusion	Indoor Air Residential Non-residential	Indoor Air Residential Industrial Sub-slab Residential Industrial

APPENDIX D

ROUTINE SYSTEM INSPECTION FORM

1808 MIDDLE COUNTRY ROAD
RIDGE, NY 11961
PHONE 631.504.6000
FAX 631.924.2870

Tomat Service Station
1815-1825 Ocean Avenue, Brooklyn NY

SOIL VAPOR EXTRACTION SYSTEM INSPECTION FORM

Date: 3/28/22

Time: 13:00

Weather: Sunny / 25deg

Inspector: TG

Extraction Point	Vacuum (iwc)	PID Reading(ppm)
SVE-1	9.3	2.0
SVE-2	8.9	1.7
Blower inlet	-17.5"wc	1.3
Carbon inlet	NA	1.3
Between carbon	NA	1.0

Inspection:	Yes / No	Comments
Blower Operating?	Yes	
Spare Carbon Drums?	No	
System Integrity?	Good	

Comments:

Tomat Service Station
1815-1825 Ocean Avenue, Brooklyn NY

AIR SPARGING SYSTEM INSPECTION FORM

Injection Point	Pressure
AS-1	Low Pressure
AS-2	5.3
AS-3	Low Pressure
AS-4	5.4
AS-5	Low Pressure
AS-6	5.1
AS-7	No Valve
AS-8	5.2

Inspection:	Yes / No	Comments
Blower Operating?	Yes	
Timer, 3-way actuated valve operating?	Yes	
System Integrity?	Leg 1 operating	Leg 2 has reduced PSI

Comments:

Leg 1 operating at 5.6 PSI

Leg 2 operating at 1 PSI

Tomat Service Station
1815-1825 Ocean Avenue, Brooklyn NY

CARBON MONITORING

Carbon filter installation date:_____

Date/Time	**Location**	**PID reading**	**PID units(ppm or ppb)**
3/28/22 11:00	**Pre-Carbon**	1.3	PPM
3/28/22 11:05	**Between Carbon**	1.0	PPM
3/28/22 11:10	**Post -Carbon**	0.8	PPM

Comments:

EQUIPMENT SHED

Inspection:	Yes / No	Comments
Vent Operating?	yes	

AS Blower Lubrication and Oil Change

Location	Frequency	Comments
AS Blower Lubrication checks	Every Visit	
AS Blower Oil Change	Every 166 Days	

APPENDIX E

PFA LABORATORY REPORTS

1808 MIDDLE COUNTRY ROAD
RIDGE, NY 11961
PHONE 631.504.6000
FAX 631.924.2870

ANALYTICAL REPORT

Lab Number:	L2216058
Client:	Environmental Business Consultants Inc 1808 Middle Country Road Ridge, NY 11961
ATTN:	Chawinie Reilly
Phone:	(631) 504-6000
Project Name:	1815 OCEAN AVE
Project Number:	ROC1502
Report Date:	04/18/22

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

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

Project Name: 1815 OCEAN AVE
Project Number: ROC1502

Lab Number: L2216058
Report Date: 04/18/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2216058-01	17GW2	WATER	1815-1825 OCEAN AVENUE	03/28/22 09:40	03/29/22
L2216058-02	17GW3	WATER	1815-1825 OCEAN AVENUE	03/28/22 08:45	03/29/22
L2216058-03	17GW4	WATER	1815-1825 OCEAN AVENUE	03/28/22 12:30	03/29/22
L2216058-04	17GW5	WATER	1815-1825 OCEAN AVENUE	03/28/22 11:10	03/29/22
L2216058-05	17GW6	WATER	1815-1825 OCEAN AVENUE	03/28/22 10:30	03/29/22
L2216058-06	GW DUPLICATE	WATER	1815-1825 OCEAN AVENUE	03/28/22 09:45	03/29/22

Project Name:	1815 OCEAN AVE	**Lab Number:**	L2216058
Project Number:	ROC1502	**Report Date:**	04/18/22

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	1815 OCEAN AVE	**Lab Number:**	L2216058
Project Number:	ROC1502	**Report Date:**	04/18/22

Case Narrative (continued)

Report Submission

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

Perfluorinated Alkyl Acids by Isotope Dilution

L2216058-01, -02, -03RE, and -05RE: The sample was centrifuged and decanted prior to extraction due to sample matrix.

L2216058-01, -04RE, and -06RE: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2216058-03RE, -04RE, -05RE, and -06RE: The sample was re-extracted within holding time due to QC failures in the original extraction. The results of the re-extraction are reported.

The WG1624077-1 Method Blank, associated with L2216058-01 and -02, has a concentration above the reporting limit for 6:2FTS. Since the associated sample concentrations are non-detect to the RL, no corrective action is required.

WG1624077-3 and WG1624077-4: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

WG1624077-3 and WG1624077-4: The sample was centrifuged and decanted prior to extraction due to sample matrix.

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

Authorized Signature: Susan E O'Neil Susan O' Neil

Title: Technical Director/Representative Date: 04/18/22

ORGANICS

SEMIVOLATILES

Project Name: 1815 OCEAN AVE
Project Number: ROC1502
Lab Number: L2216058
Report Date: 04/18/22

SAMPLE RESULTS

Lab ID: L2216058-01
Client ID: 17GW2
Sample Location: 1815-1825 OCEAN AVENUE

Date Collected: 03/28/22 09:40
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/07/22 23:29
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 04/06/22 12:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	25.8		ng/l	1.99	0.407	1
Perfluoropentanoic Acid (PFPeA)	6.34		ng/l	1.99	0.395	1
Perfluorobutanesulfonic Acid (PFBS)	1.74	J	ng/l	1.99	0.237	1
Perfluorohexanoic Acid (PFHxA)	3.65		ng/l	1.99	0.327	1
Perfluoroheptanoic Acid (PFHpA)	2.58		ng/l	1.99	0.224	1
Perfluorohexanesulfonic Acid (PFHxS)	1.19	J	ng/l	1.99	0.375	1
Perfluorooctanoic Acid (PFOA)	12.8		ng/l	1.99	0.235	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.99	1.33	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.99	0.686	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.99	0.311	1
Perfluorooctanesulfonic Acid (PFOS)	0.865	J	ng/l	1.99	0.502	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.99	0.303	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.99	1.21	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.99	0.646	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.99	0.259	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.99	0.977	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.99	0.578	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.99	0.801	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.99	0.371	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.99	0.326	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.99	0.247	1
PFOA/PFOS, Total	13.7	J	ng/l	1.99	0.235	1

Project Name: 1815 OCEAN AVE **Lab Number:** L2216058

Project Number: ROC1502 **Report Date:** 04/18/22

SAMPLE RESULTS

Lab ID: L2216058-01 Date Collected: 03/28/22 09:40

Client ID: 17GW2 Date Received: 03/29/22

Sample Location: 1815-1825 OCEAN AVENUE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	79		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	63		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	75		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**222**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	88		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	89		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	71		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	131		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	52		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	64		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	21		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	49		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**47**	Q	48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	37		22-136

Project Name: 1815 OCEAN AVE
Project Number: ROC1502
Lab Number: L2216058
Report Date: 04/18/22

SAMPLE RESULTS

Lab ID: L2216058-02
Client ID: 17GW3
Sample Location: 1815-1825 OCEAN AVENUE

Date Collected: 03/28/22 08:45
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/08/22 00:18
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 04/06/22 12:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	2.76		ng/l	1.97	0.402	1
Perfluoropentanoic Acid (PFPeA)	1.37	J	ng/l	1.97	0.390	1
Perfluorobutanesulfonic Acid (PFBS)	0.872	J	ng/l	1.97	0.235	1
Perfluorohexanoic Acid (PFHxA)	0.927	J	ng/l	1.97	0.323	1
Perfluoroheptanoic Acid (PFHpA)	1.28	J	ng/l	1.97	0.222	1
Perfluorohexanesulfonic Acid (PFHxS)	2.45		ng/l	1.97	0.371	1
Perfluorooctanoic Acid (PFOA)	14.6		ng/l	1.97	0.233	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.97	1.31	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.97	0.678	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.97	0.308	1
Perfluorooctanesulfonic Acid (PFOS)	1.63	J	ng/l	1.97	0.497	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.97	0.300	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.97	1.19	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.97	0.639	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.97	0.256	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.97	0.966	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.97	0.572	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.97	0.793	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.97	0.367	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.97	0.322	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.97	0.244	1
PFOA/PFOS, Total	16.2	J	ng/l	1.97	0.233	1

Project Name: 1815 OCEAN AVE **Lab Number:** L2216058

Project Number: ROC1502 **Report Date:** 04/18/22

SAMPLE RESULTS

Lab ID: L2216058-02 Date Collected: 03/28/22 08:45

Client ID: 17GW3 Date Received: 03/29/22

Sample Location: 1815-1825 OCEAN AVENUE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	91		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	125		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	118		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	122		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	109		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	104		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	91		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	91		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	16		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	92		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80		22-136

Project Name: 1815 OCEAN AVE
Project Number: ROC1502
Lab Number: L2216058
Report Date: 04/18/22

SAMPLE RESULTS

Lab ID: L2216058-03 RE
Client ID: 17GW4
Sample Location: 1815-1825 OCEAN AVENUE

Date Collected: 03/28/22 12:30
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/09/22 16:03
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 04/08/22 17:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	23.6		ng/l	1.89	0.385	1
Perfluoropentanoic Acid (PFPeA)	12.2		ng/l	1.89	0.374	1
Perfluorobutanesulfonic Acid (PFBS)	8.12		ng/l	1.89	0.224	1
Perfluorohexanoic Acid (PFHxA)	8.67		ng/l	1.89	0.310	1
Perfluoroheptanoic Acid (PFHpA)	3.79		ng/l	1.89	0.212	1
Perfluorohexanesulfonic Acid (PFHxS)	1.35	J	ng/l	1.89	0.355	1
Perfluorooctanoic Acid (PFOA)	22.7		ng/l	1.89	0.223	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.89	1.26	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.89	0.649	1
Perfluorononanoic Acid (PFNA)	2.55	F	ng/l	1.89	0.294	1
Perfluorooctanesulfonic Acid (PFOS)	53.9		ng/l	1.89	0.476	1
Perfluorodecanoic Acid (PFDA)	0.581	J	ng/l	1.89	0.287	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.89	1.14	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.89	0.611	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.89	0.245	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.89	0.925	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.89	0.547	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.89	0.759	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.89	0.351	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.89	0.309	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.89	0.234	1
PFOA/PFOS, Total	76.6		ng/l	1.89	0.223	1

Project Name: 1815 OCEAN AVE **Lab Number:** L2216058

Project Number: ROC1502 **Report Date:** 04/18/22

SAMPLE RESULTS

Lab ID: L2216058-03 RE Date Collected: 03/28/22 12:30

Client ID: 17GW4 Date Received: 03/29/22

Sample Location: 1815-1825 OCEAN AVENUE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	91		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	94		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	109		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	72		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	78		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	117		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	83		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	145		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	80		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	86		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	51		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	84		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	11		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	62		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	78		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		22-136

Project Name: 1815 OCEAN AVE
Project Number: ROC1502
Lab Number: L2216058
Report Date: 04/18/22

SAMPLE RESULTS

Lab ID: L2216058-04 RE
Client ID: 17GW5
Sample Location: 1815-1825 OCEAN AVENUE

Date Collected: 03/28/22 11:10
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/09/22 16:20
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 04/08/22 17:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	26.6		ng/l	2.15	0.438	1
Perfluoropentanoic Acid (PFPeA)	40.1		ng/l	2.15	0.425	1
Perfluorobutanesulfonic Acid (PFBS)	9.57		ng/l	2.15	0.256	1
Perfluorohexanoic Acid (PFHxA)	50.7		ng/l	2.15	0.352	1
Perfluoroheptanoic Acid (PFHpA)	36.4		ng/l	2.15	0.242	1
Perfluorohexanesulfonic Acid (PFHxS)	11.3		ng/l	2.15	0.404	1
Perfluorooctanoic Acid (PFOA)	89.3		ng/l	2.15	0.253	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.95	J	ng/l	2.15	1.43	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.15	0.739	1
Perfluorononanoic Acid (PFNA)	0.404	JF	ng/l	2.15	0.335	1
Perfluorooctanesulfonic Acid (PFOS)	2.04	J	ng/l	2.15	0.541	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.15	0.326	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.15	1.30	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.15	0.696	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.15	0.279	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.15	1.05	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.15	0.623	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.15	0.863	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.15	0.399	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.15	0.351	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.15	0.266	1
PFOA/PFOS, Total	91.3	J	ng/l	2.15	0.253	1

Project Name: 1815 OCEAN AVE **Lab Number:** L2216058

Project Number: ROC1502 **Report Date:** 04/18/22

SAMPLE RESULTS

Lab ID: L2216058-04 RE Date Collected: 03/28/22 11:10

Client ID: 17GW5 Date Received: 03/29/22

Sample Location: 1815-1825 OCEAN AVENUE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	102		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	75		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	115		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	79		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	95		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	123		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	110		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**264**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	113		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**254**	Q	10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**154**	Q	24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	117		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	45		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**149**	Q	27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	106		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		22-136

Project Name: 1815 OCEAN AVE
Project Number: ROC1502
Lab Number: L2216058
Report Date: 04/18/22

SAMPLE RESULTS

Lab ID: L2216058-05 RE
Client ID: 17GW6
Sample Location: 1815-1825 OCEAN AVENUE

Date Collected: 03/28/22 10:30
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/09/22 16:36
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 04/08/22 17:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.445	J	ng/l	2.14	0.437	1
Perfluoropentanoic Acid (PFPeA)	0.809	J	ng/l	2.14	0.424	1
Perfluorobutanesulfonic Acid (PFBS)	0.308	J	ng/l	2.14	0.255	1
Perfluorohexanoic Acid (PFHxA)	0.646	J	ng/l	2.14	0.351	1
Perfluoroheptanoic Acid (PFHpA)	0.561	J	ng/l	2.14	0.241	1
Perfluorohexanesulfonic Acid (PFHxS)	0.496	J	ng/l	2.14	0.402	1
Perfluorooctanoic Acid (PFOA)	4.36		ng/l	2.14	0.252	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.14	1.42	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.14	0.736	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.14	0.334	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.14	0.539	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.14	0.325	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.14	1.30	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.14	0.693	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.14	0.278	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.14	1.05	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.14	0.621	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.14	0.860	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.14	0.398	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.14	0.350	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.14	0.265	1
PFOA/PFOS, Total	4.36		ng/l	2.14	0.252	1

Project Name: 1815 OCEAN AVE **Lab Number:** L2216058

Project Number: ROC1502 **Report Date:** 04/18/22

SAMPLE RESULTS

Lab ID: L2216058-05 RE Date Collected: 03/28/22 10:30

Client ID: 17GW6 Date Received: 03/29/22

Sample Location: 1815-1825 OCEAN AVENUE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	113		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	122		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	77		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	80		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	121		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	86		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	77		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	90		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	110		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	78		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	16		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	70		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		22-136

Project Name: 1815 OCEAN AVE
Project Number: ROC1502
Lab Number: L2216058
Report Date: 04/18/22

SAMPLE RESULTS

Lab ID: L2216058-06 RE
Client ID: GW DUPLICATE
Sample Location: 1815-1825 OCEAN AVENUE

Date Collected: 03/28/22 09:45
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/09/22 16:53
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 04/08/22 17:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	29.8	G	ng/l	1.98	0.403	1
Perfluoropentanoic Acid (PFPeA)	5.98		ng/l	1.98	0.392	1
Perfluorobutanesulfonic Acid (PFBS)	1.91	J	ng/l	1.98	0.235	1
Perfluorohexanoic Acid (PFHxA)	3.80		ng/l	1.98	0.324	1
Perfluoroheptanoic Acid (PFHpA)	3.01		ng/l	1.98	0.223	1
Perfluorohexanesulfonic Acid (PFHxS)	1.26	J	ng/l	1.98	0.372	1
Perfluorooctanoic Acid (PFOA)	13.5		ng/l	1.98	0.233	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.98	1.32	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.98	0.680	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.98	0.308	1
Perfluorooctanesulfonic Acid (PFOS)	1.13	J	ng/l	1.98	0.498	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.98	0.301	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.98	1.20	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.98	0.641	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.98	0.257	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.98	0.969	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.98	0.574	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.98	0.795	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.98	0.368	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.98	0.324	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.98	0.245	1
PFOA/PFOS, Total	14.6	J	ng/l	1.98	0.233	1

Project Name: 1815 OCEAN AVE **Lab Number:** L2216058

Project Number: ROC1502 **Report Date:** 04/18/22

SAMPLE RESULTS

Lab ID: L2216058-06 RE Date Collected: 03/28/22 09:45

Client ID: GW DUPLICATE Date Received: 03/29/22

Sample Location: 1815-1825 OCEAN AVENUE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	70		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**206**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	127		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	82		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	86		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	25		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	85		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	71		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	66		22-136

Project Name: 1815 OCEAN AVE
Project Number: ROC1502
Lab Number: L2216058
Report Date: 04/18/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/07/22 21:49
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 04/06/22 12:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1624077-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	0.468	JF	ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	16.3		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	0.468	J	ng/l	2.00	0.236

Project Name: 1815 OCEAN AVE
Project Number: ROC1502
Lab Number: L2216058
Report Date: 04/18/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/07/22 21:49
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 04/06/22 12:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1624077-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	120		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	129		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	129		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	109		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	115		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	131		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	121		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	134		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	120		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	120		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	116		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	131		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	97		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	119		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	48		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	114		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	114		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	104		22-136

Project Name: 1815 OCEAN AVE
Project Number: ROC1502
Lab Number: L2216058
Report Date: 04/18/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/09/22 15:30
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 04/08/22 17:34

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03-06 Batch: WG1625275-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 1815 OCEAN AVE
Project Number: ROC1502
Lab Number: L2216058
Report Date: 04/18/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/09/22 15:30
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 04/08/22 17:34

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03-06 Batch: WG1625275-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	109		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	124		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	121		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	103		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	107		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	122		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	113		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	99		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	108		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	98		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	97		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	88		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	107		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	48		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	98		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	99		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	92		22-136

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1815 OCEAN AVE
Project Number: ROC1502

Lab Number: L2216058
Report Date: 04/18/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1624077-2								
Perfluorobutanoic Acid (PFBA)	91		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	92		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	92		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	92		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	92		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	101		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	88		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	106		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	96		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	88		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	94		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	93		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	108		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	96		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	90		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	98		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	92		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	87		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	94		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	108		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	93		-		59-182	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1815 OCEAN AVE
Project Number: ROC1502
Lab Number: L2216058
Report Date: 04/18/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1624077-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	106				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	112				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	119				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	101				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	104				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	119				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	111				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	112				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	114				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	103				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	92				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	49				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	103				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	104				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	98				22-136

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1815 OCEAN AVE
Project Number: ROC1502

Lab Number: L2216058
Report Date: 04/18/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03-06 Batch: WG1625275-2								
Perfluorobutanoic Acid (PFBA)	94		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	96		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	95		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	97		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	97		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	107		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	95		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	107		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	104		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	100		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	105		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	100		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	107		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	97		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	91		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	103		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	90		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	107		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	98		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	112		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	102		-		59-182	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1815 OCEAN AVE

Project Number: ROC1502

Lab Number: L2216058

Report Date: 04/18/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03-06 Batch: WG1625275-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	113				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	125				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	123				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	107				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	109				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	123				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	111				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	97				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	113				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	104				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	95				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	92				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	113				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	66				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	88				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	107				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	94				22-136

Matrix Spike Analysis
Batch Quality Control

Project Name: 1815 OCEAN AVE
Project Number: ROC1502
Lab Number: L2216058
Report Date: 04/18/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1624077-3 WG1624077-4 QC Sample: L2216058-01 Client ID: 17GW2												
Perfluorobutanoic Acid (PFBA)	25.8	40.5	73.3	117		74.6	126		67-148	2		30
Perfluoropentanoic Acid (PFPeA)	6.34	40.5	40.1	83		41.0	90		63-161	2		30
Perfluorobutanesulfonic Acid (PFBS)	1.74J	35.9	33.3	88		33.2	92		65-157	0		30
Perfluorohexanoic Acid (PFHxA)	3.65	40.5	39.0	87		39.7	93		69-168	2		30
Perfluoroheptanoic Acid (PFHpA)	2.58	40.5	37.6	86		38.7	94		58-159	3		30
Perfluorohexanesulfonic Acid (PFHxS)	1.19J	37	37.5	98		38.2	105		69-177	2		30
Perfluorooctanoic Acid (PFOA)	12.8	40.5	47.0	84		48.7	93		63-159	4		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	38.5	38.5	100		39.0	106		49-187	1		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	38.6	38.0	98		38.0	103		61-179	0		30
Perfluorononanoic Acid (PFNA)	ND	40.5	37.0	91		37.1	96		68-171	0		30
Perfluorooctanesulfonic Acid (PFOS)	0.865J	37.6	38.2	99		38.2	104		52-151	0		30
Perfluorodecanoic Acid (PFDA)	ND	40.5	38.0	94		39.5	102		63-171	4		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	38.8	38.4	99		40.1	108		56-173	4		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	40.5	39.6	98		44.0	114		60-166	11		30
Perfluoroundecanoic Acid (PFUnA)	ND	40.5	39.6	98		38.2	99		60-153	4		30
Perfluorodecanesulfonic Acid (PFDS)	ND	39.1	27.3	70		31.7	85		38-156	15		30
Perfluorooctanesulfonamide (FOSA)	ND	40.5	35.0	86		37.4	97		46-170	7		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	40.5	40.6	100		43.3	112		45-170	6		30
Perfluorododecanoic Acid (PFDoA)	ND	40.5	40.1	99		44.2	114		67-153	10		30
Perfluorotridecanoic Acid (PFTrDA)	ND	40.5	46.8	116		49.0	127		48-158	5		30
Perfluorotetradecanoic Acid (PFTA)	ND	40.5	41.5	103		46.2	120		59-182	11		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 1815 OCEAN AVE

Project Number: ROC1502

Lab Number: L2216058

Report Date: 04/18/22

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1624077-3 WG1624077-4 QC Sample: L2216058-01 Client ID: 17GW2

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	154		151		10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**258**	Q	**236**	Q	14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	63		64		27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	64		64		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	68		71		55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	79		73		62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	70		65		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		78		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113		100		71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	56		56		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	57		50		22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		91		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	87		79		62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	20		23		10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		88		69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		87		62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		89		59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	107		97		70-131

Matrix Spike Analysis

Batch Quality Control

Project Name: 1815 OCEAN AVE

Project Number: ROC1502

Lab Number: L2216058

Report Date: 04/18/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03-06 QC Batch ID: WG1625275-3 QC Sample: L2218273-04 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	36.6	38.1	72.6	95		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	171	38.1	209	100		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	0.833J	33.8	33.5	97		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	35.7	35.4	99		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	154	38.1	188	89		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	35.9	34.0	95		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	89.3	38.1	127	99		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	34.8	38.9	112		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	86.5	38.1	122	93		-	-		63-159	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	36.3	42.0	116		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	28.9	38.1	66.6	99		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	3.25F	35.3	43.0	113		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	29.9	38.1	68.1	100		-	-		63-171	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	36.6	44.1	120		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	38.1	38.0	100		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	1.58J	38.1	38.8	98		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	36.8	38.5	105		-	-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	ND	38.1	32.9	86		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	38.1	41.0	108		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	1.12JF	38.1	38.8	99		-	-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	38.1	43.6	115		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	38.1	40.7	107		-	-		59-182	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 1815 OCEAN AVE

Project Number: ROC1502

Lab Number: L2216058

Report Date: 04/18/22

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03-06 QC Batch ID: WG1625275-3 QC Sample: L2218273-04 Client ID: MS Sample												

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**180**	Q			12-142
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	92				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**118**	Q			24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	122				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	86				22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	100				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	115				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	27				10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	117				70-131

Lab Duplicate Analysis
Batch Quality Control

Project Name: 1815 OCEAN AVE
Project Number: ROC1502

Lab Number: L2216058
Report Date: 04/18/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03-06 QC Batch ID: WG1625275-4 QC Sample: L2218273-05 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	35.5	36.7	ng/l	3		30
Perfluoropentanoic Acid (PFPeA)	168	170	ng/l	1		30
Perfluorobutanesulfonic Acid (PFBS)	0.865J	0.757J	ng/l	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	152	154	ng/l	1		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	88.7	88.7	ng/l	0		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	87.8	87.4	ng/l	0		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	28.4	29.2	ng/l	3		30
Perfluorooctanesulfonic Acid (PFOS)	3.66F	2.97	ng/l	21		30
Perfluorodecanoic Acid (PFDA)	28.4	28.0	ng/l	1		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	377	384	ng/l	2		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	1.84F	1.40J	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 1815 OCEAN AVE
Project Number: ROC1502

Lab Number: L2216058
Report Date: 04/18/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03-06 QC Batch ID: WG1625275-4 QC Sample: L2218273-05 Client ID: DUP Sample						
Perfluorododecanoic Acid (PFDoA)	1.48J	1.34J	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	101		94		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	116		113		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	114		107		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**173**	Q	**161**	Q	12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	76		74		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		87		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	124		117		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		98		62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		92		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	108		96		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88		87		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**223**	Q	**200**	Q	10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	104		107		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106		106		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	23		31		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	71		101		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98		95		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	79		81		22-136

Project Name: 1815 OCEAN AVE
Project Number: ROC1502

Lab Number: L2216058
Report Date: 04/18/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2216058-01A	Plastic 250ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2216058-01A1	Plastic 250ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2216058-01A2	Plastic 250ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2216058-01B	Plastic 250ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2216058-01B1	Plastic 250ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2216058-01B2	Plastic 250ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2216058-02A	Plastic 250ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2216058-02B	Plastic 250ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2216058-03A	Plastic 250ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2216058-03B	Plastic 250ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2216058-04A	Plastic 250ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2216058-04B	Plastic 250ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2216058-05A	Plastic 250ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2216058-05B	Plastic 250ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2216058-06A	Plastic 250ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2216058-06B	Plastic 250ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 1815 OCEAN AVE
Project Number: ROC1502

Lab Number: L2216058
Report Date: 04/18/22

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	1815 OCEAN AVE	**Lab Number:**	L2216058
Project Number:	ROC1502	**Report Date:**	04/18/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	1815 OCEAN AVE	**Lab Number:**	L2216058
Project Number:	ROC1502	**Report Date:**	04/18/22

Footnotes

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

Terms

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

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	1815 OCEAN AVE	**Lab Number:**	L2216058
Project Number:	ROC1502	**Report Date:**	04/18/22

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

REFERENCES

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

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Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 3/30/22

ALPHA Job #: L2214055

Client Information

Client: Env. Business Consultants
Address: 1808 Middle Country Rd Ridge NY 11961
Phone: 631-504-6000
Fax:
Email: creilly@ebcinsny.com

Project Information

Project Name: 1815 Ocean Ave
Project Location: 1815-1825 Ocean Avenue
Project #: ROC1502
(Use Project name as Project #)
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☒ Same as Client Info
PO # ROC1502

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

21 PFAS 537.1

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	21 PFAS 537.1	Sample Specific Comments	Total # Bottles
L2214055-01	17GW2	3-28	9:40	GW	TG	X	Run MS/MSD	6
-02	17GW3	3-28	8:45	GW	TG	X		2
-03	17GW4	3-28	12:30	GW	TG	X		2
-04	17GW5	3-28	11:10	GW	TG	X		2
-05	17GW6	3-28	10:30	GW	TG	X		2
-06	GW Duplicate	3-28	9:45	GW	TG	X		2

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	P
Preservative	A

Relinquished By:	Date/Time	Received By:	Date/Time
		NSM/A (MW)	3/29/22 15:10
NSM/A (MW)	3/29/22 16:35	AAL	3/29 1930
AAL	3/29	Environcon	3/29 2100
Environcon	3/29 2300	NSM/A (MW)	3/29 2300

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NSM/A 3/30/22 0430 — alt 3/30/22 02:30 — NSM/A 3/30/22 0330 — 3/30/22 0433