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. C241103

Site Name Uniforms for Industry

Site Address: 129-09 Jamaica Avenue Zip Code: 11418
City/Town: Richmond Hill
County: Queens
Site Acreage: 1.720

Reporting Period: May 29, 2020 to May 29, 2021

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

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information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?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

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

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

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

SITE NO. C241103 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
40-9281-44	Richmond Hill Housing 2 LP	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

The institutional control is in the form of an Environmental Easement for the controlled property that:

(a) 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).
(b) land use is subject to local zoning laws, the remedy allows the use and development of the controlled property for: restricted residential use;
(c) restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the Department, NYSDOH or County DOH;
(d) prohibits agriculture or vegetable gardens on the controlled property;
(e) requires compliance with the Department approved Site Management Plan;

40-9281-46	Richmond Hill Housing 2 LP	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

Imposition of an institutional control in the form of an Environmental Easement for the controlled property that:

(a) 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).
(b) land use is subject to local zoning laws, the remedy allows the use and development of the controlled property for: restricted residential use;
(c) restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the Department, NYSDOH or County DOH;
(d) prohibits agriculture or vegetable gardens on the controlled property;
(e) requires compliance with the Department approved Site Management Plan;

Box 4

Description of Engineering Controls

Parcel	Engineering Control
40-9281-44	Vapor Mitigation Cover System

The engineering controls include:

1. An engineered cap/cover system consisting of concrete buildings, slabs and sidewalks, asphalt paving of roadways and parking areas and virgin mined sand and certified clean topsoil above a demarcation barrier in the landscaped/green areas.

2. Vapor barrier and operation of a sub-slab depressurization system beneath the Phase I building, and

3. Operation of a mechanical ventilation system for the parking garage in the basement level of the Phase II building.

40-9281-46	Vapor Mitigation Cover System

The engineering controls include:

1. An engineered cap/cover system consisting of concrete buildings, slabs and sidewalks, asphalt paving of roadways and parking areas and virgin mined sand and certified clean topsoil above a demarcation barrier in the landscaped/green areas;

2. Vapor barrier and operation of a sub-slab depressurization system beneath the Phase I building; and

3. Operation of a mechanical ventilation system for the parking garage in the basement level of the Phase II building.

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

6/28/21
Date

FORMER UNIFORMS FOR INDUSTRY SITE
129-09 JAMAICA AVENUE, RICHMOND HILL, NEW YORK 11418

CORRECTIVE MEASURES WORK PLAN

NYSDEC BCP Number: C-241103

Prepared for:

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

On Behalf of:

Union Jamaica LLC
15 Verbena Avenue, Suite #100
Floral Park, NY 11001-2711

Prepared by:

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

JUNE 2021

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LIST OF ACRONYMS

Acronym	Definition
AMC	AMC Engineering
AWQS	Ambient Water Quality Standards
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
BTEX	Benzene, Toluene, Ethylbenzene, and Xylene
CMWP	Corrective Measures Work Plan
DUSR	Data Usability Statement Report
EBC	Environmental Business Consultants
FER	Final Engineering Report
HDPE	High Density Polyethylene
IRM	Interim Remedial Measure
LPH	Liquid Phase Hydrocarbons
NYC	New York City
NYCDEP	New York City Department of Environmental Protection
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PRR	Periodic Review Report
QEP	Qualified Environmental Professional
RAO	Remedial Action Objectives
RI	Remedial Investigation
RSCOs	Recommended Site Cleanup Objectives
SCG	Standards, Criteria, and Guidelines
SMP	Site Management Plan
SVOCs	Semi-Volatile Organic Compounds
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VOCs	Volatile Organic Compounds

CORRECTIVE MEASURES WORK PLAN

1.0 INTRODUCTION

Union Jamaica LLC, and its affiliates (Richmond Hill Housing LP, Richmond Hill Housing GP), as contract vendee to purchase the property located at 129-09 Jamaica Avenue, Richmond Hill, NY, submitted an amended BCP application to change the party named in the Brownfield Cleanup Agreement (BCA) from the former property owner, Uniforms for Industry (UFI) as participant to Union Jamaica LLC as volunteer. The amended application was executed in December 2009. The Site was remediated in accordance with the Brownfield Cleanup Agreement (BCA) #C241103. The Site is now developed with two, 6-story, 65-unit buildings set aside for seniors, with 20 percent of the units set aside for formerly homeless households. The two buildings are identified as “Phase I” building and “Phase II” building.

The Site is located at 127-03 and 129-11 Jamaica Avenue in the County of Queens, New York (see **Figure 1** – Site Plan), and is identified as Block 9821 and Lots 44 and 46 on the Queens Borough Tax Map. The Site is situated on an approximately 73,038 square foot (1.68-acre) area bounded by a residential lot to the north, Jamaica Avenue to the south, the Long Island Rail Road – Ronkonkoma Line to the east, and residential properties and 12th Street to the west.

Under the conditions of the “Site Management Plan”, semi-annual groundwater monitoring/sampling and an annual site inspection were performed for the Periodic Review Report (2020-2021 reporting period). Based on the groundwater sampling performed for the fourth quarter of 2020 (Q4 2020), groundwater was measured between 34.71 and 40.14 ft below sidewalk grade and flows in the southwesterly direction, which is consistent with historical trends of the flow direction (see **Figures 2 and 3**). The results of the 2020 Q2 and 2020 Q4 groundwater sampling events and the onsite inspection (performed on April 27, 2021) revealed several deficiencies to the institutional and/or engineering controls onsite. This Corrective Measures Work Plan (CMWP) has been prepared to remedy these deficiencies.

2.0 SUMMARY OF ONSITE INSPECTIONS AND SAMPLING EVENTS

During the 2020-2021 reporting period, Environmental Business Consultants (EBC) conducted two (2) groundwater sampling events: on June 7, 2020 (representing the second quarter of 2020), and on January 5, 2021 (representing the fourth quarter of 2020). In addition, AMC Engineering, PLLC (AMC) performed an onsite inspection on April 27, 2021 to inspect the site cover system and components of the sub-slab depressurization system (SSDS). The groundwater sampling events and onsite inspection were performed in compliance with the Site Management Plan (SMP), and its findings are reported annually in the Periodic Review Report (PRR).

2.1 ONSITE INSPECTION BY AMC (APRIL 27, 2021)

This site has two engineering controls that require an annual inspection: cover system and SSDS.

Composite Cover System

A high-density polyethylene vapor barrier liner (HPDE) was installed beneath both buildings prior to pouring the concrete slab. The vapor barrier consists of a 20-mil HDPE geomembrane liner system, manufactured by GSE Lining Technologies of North America, was installed beneath the areas occupied by the footprint of each building. A concrete slab caps the site.

Sub-Slab Depressurization System

An SSDS was designed and incorporated into the new building plans for the Phase I building. This building has a full basement level, which extends under the entire footprint of the building. The basement level houses the mechanical room and tenants' storage rooms, and will not be used for residential apartments.

An SSDS was not required beneath the Phase II building since the basement level of this building is used as a parking garage, which follows the ventilation requirements to remove vehicle fumes under the NYC Mechanical Code.

The SSDS beneath the Phase I building consists of three (3) separate venting zones, each covering between 3,600 to 4,000 square feet of slab area. The horizontal pipe was constructed of a continuous loop of perforated 4-inch HDPE pipe, which is piped to the roof via a 6-inch schedule 40 PVC line. Each loop is fitted with a fan and alarm. The

alarms provide both visual and audible signals to indicate whether the system is running, and if negative pressure is being maintained.

2.1.1 Inspection Findings

On April 27, 2021, AMC mobilized onsite to perform a site inspection of the site's cover system and SSDS, which are required annually under the active SMP.

Composite Cover System
The inspection of the concrete slab under the Phase I building revealed four (4) deficiencies:

- Two cracks/defects present in the slab within the storage room; and
- Two cracks/defects present in the slab within the hallway connecting the two buildings;

No deficiencies were noted in the Phase II building. Two new cracks were present outdoors (parking lot, walkway, sidewalk), but these areas are not covered under the SMP, and therefore, are not classified as deficiencies.

Sub-Slab Depressurization System
All venting zones were inspected. Each zone had a riser free from leaks, a functioning RadonAway RP265 fan, and an alarm. When the hose was disconnected, the alarms for Fans #1 and #2 were functioning properly. The alarm for Fan #3 (right-most fan) did not function properly. When the hose was disconnected, the audible sound did not trigger. In addition, the indicator light on the alarm was flickering, instead of displaying a solid red color. Both conditions indicate that the alarm must be replaced or repaired for the system to be working as intended.

2.2 GROUNDWATER SAMPLING AND MONITORING

EBC conducted two (2) groundwater sampling events: on June 7, 2020 (representing the second quarter of 2020 [2020 Q2]), and on January 5, 2021 (representing the fourth quarter of 2020 [2020 Q4]).

The contaminants of concern at the Site include petroleum VOCs in groundwater. Groundwater monitoring is conducted through seven onsite wells: MW1201R, MW1202,

MW1203, MW1205, MW1206R, MW1207, and MW1208. The following provides a summary of the groundwater sampling results at the Site:

MW1201R – The concentration of total Volatile Organic Compounds (VOCs) increased from the 2019 Q3 sampling event to the 2020 Q2 sampling event, and then decreased in the 2020 Q4 sampling event (88.21 µg/L to 146.78 µg/L to 87.97 µg/L, respectively).

MW1202 **–** The concentration of total Volatile Organic Compounds (VOCs) increased from the 2019 Q3 sampling event to the 2020 Q2 sampling event, and then decreased in the 2020 Q4 sampling event (4.24 µg/L to 22.64 µg/L to 4.83 µg/L, respectively).

MW1203 **–** The concentration of total Volatile Organic Compounds (VOCs) increased from the 2019 Q3 sampling event to the 2020 Q2 sampling event, and then decreased in the 2020 Q4 sampling event (276.3 µg/L to 397.9 µg/L to 181.9 µg/L, respectively).

MW1205 **–** The concentration of total Volatile Organic Compounds (VOCs) increased from the 2019 Q3 sampling event to the 2020 Q2 sampling event, and then increased again in the 2020 Q4 sampling event (155.34 µg/L to 973.7 µg/L to 1,025.9 µg/L, respectively).

MW1206R – The concentration of total Volatile Organic Compounds (VOCs) increased from the 2019 Q3 sampling event to the 2020 Q2 sampling event, and then decreased in the 2020 Q4 sampling event (31.76 µg/L to 46.7 µg/L to 1.17 µg/L, respectively).

MW1207 **–** The concentration of total Volatile Organic Compounds (VOCs) increased from the 2019 Q3 sampling event to the 2020 Q2 sampling event, and then increased again in the 2020 Q4 sampling event (677.3 µg/L to 1,786 µg/L to 21,450 µg/L, respectively).

MW1208 **–** This monitoring well was not sampled during this reporting period, due to a misunderstanding of the Department's request. MW1208 will be monitored and sampled on a semi-annual basis moving forward, unless otherwise specified by the Department.

2.2.1 Description of Areas of Concern

The notable areas of concern are in the vicinity of MW1205 and MW1207. From Q3 2019 to Q2 2020 to Q4 2020, the total VOC concentration in MW1205 increased by 527%, and

then by 5.4%. In the same period, the total VOC concentration in MW1207 increased by 164%, and then by 1101%. Based on a letter from the Department (dated April 7, 2021) and an email by Mr. Ronnie Lee, P.E. (dated May 11, 2021), the Department believes that the contamination found in both monitoring wells originates from onsite sources.

3.0 PROPOSED CORRECTIVE ACTIONS

3.1 ENGINEERING CONTROLS: COVER SYSTEM AND SSDS

Composite Cover System

The cracks identified in the storage room and hallway will need to be sealed with concrete. After the cracks have been repaired, AMC will perform another inspection to determine whether the composite cover system is working as intended.

Sub-Slab Depressurization System

The alarm on Fan #3 will be repaired. If it cannot be repaired, then it will be replaced. After the repairs/replacement has been completed, AMC will perform another inspection of the SSDS and test the alarm for visual and audible signals, to determine whether the SSDS is working as intended.

3.2 INSTITUTIONAL CONTROLS: GROUNDWATER MONITORING / SAMPLING

Based on conversations with the Department, additional chemical injections are proposed to address the re-emerging contamination present in MW1205 and MW1207. Please see Section 4.0 for additional information pertaining to the proposed chemical injections.

4.0 IN-SITU CHEMICAL OXIDATION (ISCO) INJECTION WORK PLAN

To remedy the re-emerging contamination in MW1205 and MW1207, a dual-functioning activated carbon solution will be injected into the groundwater via direct-push injections. The need for subsequent injections will be determined following the collection and analysis of performance monitoring samples.

4.1 TREATMENT AREA

There are two proposed treatment areas (Zone 1 and Zone 2) to address the contamination. For the contamination found in MW1205 (Zone 2), the proposed treatment area is along both sides of the existing building: south of the historic UST farm and northeast of MW1205. For the contamination found in MW1207 (Zone 1), the proposed treatment area is along the property line, immediately northeast of MW1207. The proposed treatment areas can be found in **Figure 3**.

4.2 INJECTION MATERIALS

The proposed injection product is a two-part product, consisting of: Petrofix (an aqueous solution of activated carbon solution containing calcium sulfate dihydrate), and an electron acceptor blend (EAB) (a white powder consisting of ammonium sulfate and sodium nitrate). PetroFix can be delivered to the Site in 275-gallon totes or 55-gallon drums. The EAB will be delivered to the Site in 5-gallon pails/buckets.

PetroFix is designed to target gasoline and diesel range petroleum hydrocarbons, benzene, toluene, ethylbenzene, and xylenes (BTEX), methyl tert-butyl ether (MTBE), naphthalene, polycyclic aromatic hydrocarbons (PAHs).

The solution is injected in-situ under low pressure. The contaminants adsorb onto the activated carbon to minimize the migration of the contamination plume. The electron acceptors then stimulate biodegradation of the petroleum contaminants. The adsorption sites are regenerated upon degradation, which allows for additional contaminant to adsorb.

PetroFix will be mixed with water and the EAB in a 275-gallon mixing tote. Injections will occur in batches of 275 gallons (or less).

NOTE: READ ALL SAFETY DATA SHEETS (ATTACHMENT A) AND THE PROJECT HASP, AS IT CONTAINS IMPORTANT INFORMATION ON THE HANDLING, DISPOSING, AND EMERGENCY RESPONSE FOR THESE CHEMICALS

When conducting injections, the contractor must have spill kits to prevent the chemical from reaching storm sewers in case of an accidental spill or equipment leaks.

4.2.1 Injection Volumes

PetroFix will be delivered to the Site in either 55-gallon drums or 275-gallon totes. The EAB will be delivered to the Site in 5-gallon pails/buckets.

MW1205 (Injection Zone 2)
A total of 1,122 gallons will be injected in the treatment area targeting MW1205. This includes approximately 400 lbs of PetroFix (41 gallons) mixed with 20.4 lbs of EAB, diluted with 1,081 gallons of water. The product will be distributed among five (5) injection points (21-IW4 through 21-IW8). Three (3) injection points (spaced 6.5 feet apart) are located immediately northeast of MW1205, west of the existing building. Two (2) injection points (spaced 10 feet apart) are upgradient of MW1205, east of the existing building. The product will be injected within the 35-39 ft bgs interval (total 4-foot column). This is approximately 224 gallons per injection point, or 56 gallons per foot.

MW1207 (Injection Zone 1)
A total of 631 gallons will be injected in the treatment area targeting MW1207. This includes approximately 400 lbs of PetroFix (41 gallons) mixed with 20.7 lbs of EAB, diluted with 590 gallons of water. The product will be distributed among three (3) injection points (21-IW1 through 21-IW3), spaced 6.5 feet apart. The injection points are located immediately northeast of MW1207, along the property line. The product will be injected within the 34-37 ft bgs interval (total 3-foot column). This is approximately 210 gallons per injection point, or 70 gallons per foot.

The injection location layout is provided as **Figure 5**. Product Safety Data Sheets are provided in **Attachment A**. The injection location layout is provided as **Figure 5.**

4.3 INJECTION EQUIPMENT

The injection equipment and supplies required for the injection include:

- Direct-push rig capable of advancing injection points to 40 feet below grade (i.e. Geoprobe or equal);
- 275-gallon mixing tank/tote;
- grout and mortar mixer with paddle for mixing the PetroFix solution;
- injection pump rated to at least 200 psi and at least 5 gpm;
- multi-port injection tool;
- water source (NYC fire hydrant);

The PetroFix solution will be injected via low-pressure direct push injections (typically 20 to 100 psi). This will be accomplished using a direct push rig (i.e. Geoprobe) with a multi-port injection tool. Upon completion of the injection at the delivery point, the boreholes will be abandoned with granular bentonite and sealed with quick-set concrete for surface closing.

4.4 INJECTION PROCEDURES

Chemical injections will be performed by an environmental drilling contractor with the experience and equipment needed to perform chemical injections:

1. C Squared Environmental
2. Eastern Environmental
3. Associated Environmental Services

Contractor selection will be based on availability, price and drilling equipment. AMC / EBC field personnel will oversee and document the injections activities. Water level will be checked in the monitoring wells at several points during the injection process to check for mounding effects.

The chemical injections will be performed by following the steps below:

1. Advance the direct-push drill rig to the designated depth (40 ft bgs).
2. Pre-mix the PetroFix in its container until the solution is homogenized.
3. Fill up half the mixing tank with water.
4. Transfer the PetroFix solution to the mixing tank in the designed ratio (see **Section 4.2.1**) Injection Volumes.

5. Add the PetroFix EAB to the mixing tank in the designed ratio.
6. Mix the solution in mixing tank until homogenized.
7. Add the remainder of the water needed to create the designated ratio (total 275 gallons).
8. Inject the solution into the rods until the desired amount has been injected.
    a. If the setup does not cover the entire injection column, then the rods will need to be repositioned to cover the entire interval. Stop injections to pull up the rods and reposition injection interval, and then resume as-needed.
9. Move to next injection point, and repeat steps 1-9.

If the water is sourced from a fire hydrant, obtain a NYCDEP hydrant use permit.

A pressure line is connected to the injection tooling or wellhead with a pressure relief value. The injection pressure will be approximately 20 to 100 psi. The release side of the pressure relief value will be fitted with a discharge hose which will be routed back to the mixing tank or other overflow vessel. The injections will be performed through a 5-ft multiport injection tool with a 2-ft extension. drive position is covered in a stainless-steel sheath. It is then driven to the desired depth (approximately 40 ft below grade). The rods are then pulled back 2 ft to expose the probe head. Injections begin for the 2-ft column. Once the desired quantity has been injected, injections stop, and the rods are slowly pulled up to cover the next 2-foot interval. This process is repeated until the entire injection column has been remediated. The rods are then removed from the borehole and the process repeats at the next injection location.

4.5 REMEDIAL PERFORMANCE MONITORING

Methodology

Groundwater samples will be collected prior to the ISCO application (baseline sampling), and a month following the injection event. Additional sampling rounds may be scheduled as needed to monitor remedial progress. Sampling will be conducted by collecting one groundwater sample each monitoring well using dedicated polyethylene tubing and a peristaltic pump and/or check valve. All well sampling activities will be recorded in a field book and a groundwater-sampling log. Other observations (e.g., well integrity, etc.) will be noted on the well sampling log. The well sampling log will serve as the inspection form for the groundwater monitoring well network.

This should include a description of:

- Well gauging;
- Well purging;
- Sampling methodology;
- Analytical methodology:
    - Lab certification;
    - Analytical methods;
    - Analytes.

Groundwater samples will be collected using a peristaltic pump and/or check valve and dedicated polyethylene tubing in accordance with the following:

- Record pump make & model on sampling form.
- Wear appropriate health and safety equipment during the injections. At a minimum, a Tyvek suit, face shield, nitrile gloves, and steel-toed boots should be worn.
- Inspect each well for any damage or evidence of tampering and note condition in field logbook.
- Remove the well cap.
- Lay out plastic sheeting and place the monitoring, purging, and sampling equipment on the sheeting.
- To avoid cross-contamination, do not let any downhole equipment touch the ground.
- A synoptic water level measurement round should be performed (in the shortest possible time) before any purging and sampling activities begin. Measure and record the depth to water using a water level meter or interface probe to the nearest 0.01 ft. Record the measurement in the field logbook. Do not measure the depth to the bottom of the well at this time (to avoid disturbing any sediment that may have accumulated). Obtain depth to bottom information from installation information in the field logbook or soil boring logs.
- Collect samples in order from wells with lowest contaminant concentration to highest concentration.
- Fit the polyethylene tubing with a check valve, connect the tubing to the peristaltic pump and lower the tubing into the well to approximately the middle of the screen. Tubing should be a minimum of 2 feet above the bottom of the well as this may cause mobilization of any sediment present in the bottom of the well.
- Start the pump at its lowest speed setting and slowly increase the speed until discharge occurs. Check groundwater level. Adjust pump speed until there is little or no water level drawdown (less than 0.3 feet). If the minimal drawdown that can

be achieved exceeds 0.3 feet but remains stable, continue purging until indicator field parameters stabilize.

- There should be at least 1 foot of water over the end of the tubing so there is no risk of entrapment of air in the sample. Pumping rates should, if needed, be reduced to the minimum capabilities of the pump to avoid purging the well dry. However, if the recharge rate of the well is very low and the well is purged dry, then wait until the well has recharged to a sufficient level before collecting the appropriate volume of sample.
- VOC samples should be collected first and directly into pre-preserved sample containers. Fill all sample containers by allowing the pump discharge to flow gently down the inside of the container with minimal turbulence.
- Label the samples and record them on the chain of custody form. Place immediately into a cooler for shipment and maintain at 4°C.
- Remove the tubing from the well. The polyethylene tubing must either be dedicated to each well or discarded. If dedicated the tubing should be placed in a large plastic garbage bag, sealed, and labeled with the appropriate well identification number.
- Close and lock the well.
- Decontaminate pump either by changing the surgical pump tubing between wells or as follows:
    - Flush the equipment/pump with potable water.
    - Flush with non-phosphate detergent solution. If the solution is recycled, the solution must be changed periodically.
    - Flush with potable or distilled/deionized water to remove all the detergent solution. If the water is recycled, the water must be changed periodically.
    - Flush with isopropyl alcohol (pesticide grade). If equipment blank data from the previous sampling event show that the level of contaminants is insignificant, then this step may be skipped.
    - Flush with distilled/deionized water. The final water rinse must not be recycled.

Samples will be collected in pre-cleaned laboratory supplied glassware, stored in a cooler with ice and submitted to Phoenix Environmental Laboratories, Inc., a New York State ELAP certified environmental laboratory (NY Lab ID # 11301). All purging and sampling data will be recorded on dedicated well sampling forms.

QA/QC

The fundamental QA objective with respect to accuracy, precision, and sensitivity of analysis for laboratory analytical data is to achieve the QC acceptance of the analytical protocol. The accuracy, precision and completeness requirements will be addressed by the laboratory for all data generated.

All sampling and analyses will be performed in accordance with the requirements of the Quality Assurance Project Plan (QAPP) prepared for the site. Main Components of the QAPP include:

- QA/QC Objectives for Data Measurement;
- Sampling Program:
    - Sample containers will be properly washed, decontaminated, and appropriate preservative will be added (if applicable) prior to their use by the analytical laboratory. Containers with preservative will be labeled accordingly.
    - Sample holding times will be in accordance with the NYSDEC ASP requirements.
    - Field QC samples (e.g., trip blanks, coded field duplicates, and matrix spike/matrix spike duplicates) will be collected, as necessary.
- Sample Custody and Tracking;
- Calibration Procedures:
    - All field analytical equipment will be calibrated immediately prior to each day's use. Calibration procedures will conform to manufacturer's standard instructions.
    - The laboratory will follow all calibration procedures and schedules as specified in USEPA SW-846 and subsequent updates that apply to the instruments used for the analytical methods.
- Analytical Procedures;
- Preparation of a Data Usability Summary Report (DUSR), which will present the results of data validation, including a summary assessment of laboratory data packages, sample preservation and chain of custody procedures, and a summary assessment of precision, accuracy, representativeness, comparability, and completeness for each analytical method.
- Internal QC and Checks;
- QA Performance and System Audits;
- Preventative Maintenance Procedures and Schedules;

- Corrective Action Measures;

Collected samples will be appropriately packaged, placed in coolers and shipped via overnight courier or delivered directly to the analytical laboratory by field personnel. Samples will be stored in the field in a cooler containing ice or cold-pak(s) to maintain a temperature of 4°C. Samples will be containerized in appropriate laboratory provided glassware and shipped in plastic coolers. Samples will be preserved with ice or cold-pak(s) to maintain a temperature of 4°C, +/- 2°C.

Dedicated disposable sampling materials will be used for groundwater samples, eliminating the need to prepare field equipment (rinsate) blanks. However, if non-disposable equipment is used, field rinsate blanks will be prepared at the rate of 1 for every eight samples collected. Field blanks will be prepared by pouring distilled or deionized water over decontaminated equipment and collecting the water in laboratory provided containers.

Trip blanks will accompany samples each time they are transported to the laboratory. Matrix spike, matrix spike duplicates (MS/MSD) and blind duplicates will be collected at the rate of one per 20 samples submitted to the laboratory.

4.6 LABORATORY ANALYSIS AND REPORTING

Sample analysis will be provided by a New York State ELAP certified environmental laboratory. Laboratory reports will include Analytical Systems Protocol July 2005 (ASP) category B data deliverables for use in the preparation of a data usability summary report (DUSR). All results will be provided in accordance with the NYSDEC Environmental Information Management System (EIMS) electronic data deliverable (EDD) format.

Reporting of Performance Data
Chemical labs used for all performance monitoring and final post-remedial sampling analysis will be NYSDOH ELAP laboratory certified in the appropriate categories. A tabular and map summary of all performance monitoring and post-remedial sample results and exceedances of water quality standard will be included in the Periodic Review Report.

4.7 PERMITS/AUTHORIZATION

A hydrant permit (if needed) will be obtained as a water source for the injections. In addition, authorization/access will be obtained from the owner to perform the work in the injection areas.

4.8 SCHEDULE

The start date for the injection program is to be determined and will be scheduled following the approval of the CMWP by the NYSDEC. Mobilization for the injections is anticipated 3 weeks after the approval to allow for shipment of the materials. The wells will be sampled 1 month following the completion of the injections.

Schedule Milestone	Estimated Completion Date
Begin Injections	3-4 weeks after plan approval
Well Sampling	1 month after end of injections

5.0 REPORTING TO THE DEPARTMENT

5.1 SITE COVER SYSTEM AND SSDS

Upon approval of this CMWP by the Department, all deficiencies associated with the site cover system and SSDS will be addressed. A post-repair inspection report, with an IC/EC Certification, will be submitted to the Department along with a brief report summarizing the work performed and satisfaction to the EC/IC deficiencies.

5.2 ISCO INJECTIONS

Upon approval of this CMWP by the Department, chemical injections are expected to begin 3-4 weeks thereafter. Baseline samples will be collected prior to injections, as part of the 2021 Q2 sampling event.

Samples will be collected 1 month after the end of injections, from MW1205 and MW1207. The results will be submitted to the Department for review under separate cover. MW1205 and MW1207 will continue to be monitored as indicated in the SMP, and the results will be submitted to the Department for review under separate cover.

TABLES

Former Uniforms for Industry Site
129-09 Jamaica Avenue, Richmond Hills, New York

Table 1
Well Survey Data

Well No.	Well Diameter (in)	Survey Reading	Casing Elevation	DTW 1/5/2021	DTP	PT	GW ELV 1/5/2021
MW1201R	2	5.22	94.78	40.14	-	-	54.64
MW1202	2	7.45	92.55	38.00	-	-	54.55
MW1203	2	9.17	90.83	36.13	-	-	54.70
MW1205	2	-	-	36.28	-	-	-
MW1206R	2	-	-	36.10	-	-	-
MW1207	2	10.47	89.53	34.71	-	-	54.82
MW1208	2	10.03	89.97	-	-	-	-

*MW1205 & MW1206 were not surveyed due to vertical obstructions

TABLE 2A

UFI 129-09 Jamaica Avenue, Richmond Hill, New York
Groundwater Analytical Results
Volatile Organic Compounds
MW1201

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1201 3/13/2015 µg/L		MW1201 6/25/2015 µg/L		MW1201 9/16/2015 µg/L		MW1201 1/16/2016 µg/L		MW1201 3/22/2016 µg/L		MW1201 6/9/2016 µg/L		MW1201 9/27/2016 µg/L	
		Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 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	< 4.0	4.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
1,1,2-Trichloroethane	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.3	1.3	< 1.0	1.0	< 1.0	1.0	< 1.3	1.3
1,1-Dichloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 4.0	4.0	< 5.0	5.0
1,1-Dichloroethene	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
1,1-Dichloropropene		< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
1,2,3-Trichlorobenzene		< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
1,2,3-Trichloropropane	0.04	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 1.3	1.3	< 1.0	1.0	< 0.50	0.50	< 5.0	5.0
1,2,4-Trichlorobenzene		< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
1,2,4-Trimethylbenzene	5	**290**	10	**280**	20	**290**	10	**86**	5.0	**60**	40	**24**	2.0	**13**	5.0
1,2-Dibromo-3-chloropropane	0.04	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 2.5	2.5	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0
1,2-Dibromoethane		< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 1.3	1.3	< 1.0	1.0	< 0.50	0.50	< 5.0	5.0
1,2-Dichlorobenzene	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 2.5	2.5	< 1.0	1.0	< 2.0	2.0	< 4.0	4.0
1,2-Dichloroethane	0.6	< 0.60	0.60	< 0.6	0.6	< 0.60	0.60	< 1.3	1.3	< 0.60	0.60	< 0.50	0.50	< 3.0	3.0
1,2-Dichloropropane	0.94	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.3	1.3	< 1.0	1.0	< 1.0	1.0	< 1.3	1.3
1,3,5-Trimethylbenzene	5	**80**	10	**58**	2.0	**62**	10	**45**	5.0	< 1.0	1.0	**3.4**	2.0	**7.4**	5.0
1,3-Dichlorobenzene	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 2.5	2.5	< 1.0	1.0	< 2.0	2.0	< 3.0	3.0
1,3-Dichloropropane	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
1,4-Dichlorobenzene	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 2.5	2.5	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
1,4 Dioxane		-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
2-Chlorotoluene	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
2-Hexanone (Methyl Butyl Ketone)		< 2.5	2.5	< 5.0	5.0	< 2.5	2.5	< 13	13	< 2.5	2.5	< 5.0	5.0	< 13	13
2-Isopropyltoluene	5	< 1.0	1.0	**14**	2.0	**17**	1.0	**12**	5.0	**15**	1.0	**12**	2.0	**13**	5.0
4-Chlorotoluene	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
4-Methyl-2-Pentanone		< 2.5	2.5	< 5.0	5.0	< 2.5	2.5	< 13	13	< 2.5	2.5	< 5.0	5.0	< 13	13
Acetone		3.5	5.0	< 10	10	< 5.0	5.0	< 25	25	< 5.0	5.0	< 10	10	< 25	25
Acrolein		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 13	13
Acrylonitrile	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 4.0	4.0	< 13	13
Benzene	1	**4**	0.70	**3.5**	1.4	**3.4**	0.70	< 1.3	1.3	**1.5**	0.70	**0.62**	0.7	< 1.3	1.3
Bromobenzene	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
Bromochloromethane	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
Bromodichloromethane		< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
Bromoform		< 5.0	5.0	< 10	10	< 5.0	5.0	< 25	25	< 5.0	5.0	< 10	10	< 25	25
Bromomethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 4.0	4.0	< 5.0	5.0
Carbon Disulfide	60	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
Carbon tetrachloride	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 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	< 4.0	4.0	< 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	< 4.0	4.0	< 5.0	5.0
Chloroform	7	< 5.0	5.0	< 7.0	7.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 4.0	4.0	< 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	< 4.0	4.0	< 5.0	5.0
cis-1,2-Dichloroethene	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
cis-1,3-Dichloropropene		< 0.40	0.40	< 0.4	0.4	< 0.40	0.40	< 1.3	1.3	< 0.40	0.40	< 0.40	0.40	< 2.0	2.0
Dibromochloromethane		< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
Dibromomethane	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
Dichlorodifluoromethane	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
Ethylbenzene	5	1.4	1.0	1.3	2.0	1.7	1.0	< 5.0	5.0	0.95	1.0	0.64	2.0	< 5.0	5.0
Hexachlorobutadiene	0.5	< 0.5	0.5	< 0.5	0.5	< 1.0	1.0	< 1.0	1.0	< 0.50	0.50	< 0.40	0.40	< 2.5	2.5
Isopropylbenzene	5	**18**	1.0	**16**	2.0	**14**	1.0	**5.1**	5.0	**13**	1.0	**8.7**	2.0	**17**	5.0
m&p-Xylenes	5	**17**	1.0	**18**	2.0	**22**	1.0	**7.1**	5.0	< 1.0	1.0	1.6	2.0	< 5.0	5.0
Methyl Ethyl Ketone (2-Butanone)		< 2.5	2.5	< 5.0	5.0	< 2.5	2.5	< 13	13	< 2.5	2.5	< 5.0	5.0	< 13	13
Methyl t-butyl ether (MTBE)	10	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
Methylene chloride	5	< 3.0	3.0	< 5.0	5.0	< 3.0	3.0	< 5.0	5.0	< 3.0	3.0	< 4.0	4.0	< 5.0	5.0
Naphthalene	10	**18**	1.0	**31**	2.0	**19**	1.0	8.3	5.0	**18**	1.0	**9.5**	2.0	**9.4**	5.0
n-Butylbenzene	5	**8.8**	1.0	4.7	2.0	4.5	1.0	2	5.0	2.7	1.0	1.6	2.0	2.9	5.0
n-Propylbenzene	5	**5.1**	1.0	2.4	2.0	3.1	1.0	< 5.0	5.0	1.3	1.0	0.78	2.0	1.8	5.0
o-Xylene	5	< 1.0	1.0	< 2.0	2.0	0.34	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
p-Isopropyltoluene		< 1.0	1.0	0.78	2.0	1	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
sec-Butylbenzene	5	**23**	1.0	**20**	2.0	**21**	1.0	**14**	5.0	**16**	1.0	**11**	2.0	**17**	5.0
Styrene	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
tert-butyl alcohol		-	-	-	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	5	**8.4**	1.0	**6.9**	2.0	**8.3**	1.0	**5.8**	5.0	**7.7**	1.0	**5.5**	2.0	**6.9**	5.0
Tetrachloroethene	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
Tetrahydrofuran (THF)		< 5.0	5.0	< 10	10	< 5.0	5.0	< 25	25	< 5.0	5.0	< 10	10	< 25	25
Toluene	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
trans-1,2-Dichloroethene	5	0.33	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 4.0	4.0	< 5.0	5.0
trans-1,3-Dichloropropene	0.4	< 0.40	0.40	< 0.4	0.4	< 0.40	0.40	< 1.3	1.3	< 0.40	0.40	< 0.40	0.40	< 2.0	2.0
trans-1,4-dichloro-2-butene	5	< 2.5	2.5	< 5.0	5.0	< 2.5	2.5	< 5.0	5.0	< 2.5	2.5	< 5.0	5.0	< 13	13
Trichloroethene	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
Trichlorofluoromethane	5	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
Trichlorotrifluoroethane		< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0
Vinyl Chloride	2	**13**	1.0	**7.9**	2.0	**10**	1.0	< 2.0	2.0	**3**	1.0	1.4	2.0	< 2.0	2.0
CVOCs		13.33		7.90		10.00		0.00		3.00		1.40		0.00	
PVOCs		477.20		456.58		467.34		185.30		136.15		79.34		88.40	
Total VOCs		490.53		464.48		477.34		185.30		139.15		80.74		88.40	

Compound	MW1201 12/28/2016 µg/L		MW1201 3/10/2017 µg/L		MW1201 6/21/2017 µg/L		MW1201 9/21/2017 µg/L		MW1201 12/29/2017 µg/L		MW1201 3/27/2018 µg/L		MW1201 6/28/2018 µg/L	
	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	< 1.0	1.0	< 1.0	1.0	< 1.3	1.3	< 1.3	1.3	< 1.3	1.3	< 1.0	1.0	< 1.0	1.0
1,1-Dichloroethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1-Dichloroethene	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
1,1-Dichloropropene	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichlorobenzene	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichloropropane	< 0.25	0.25	< 0.50	0.50	< 1.3	1.3	< 1.3	1.3	< 1.3	1.3	< 0.25	0.25	< 0.25	0.25
1,2,4-Trichlorobenzene	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
1,2,4-Trimethylbenzene	< 1.0	1.0	4.6	2.0	**19**	5.0	**7.7**	5.0	**12**	5.0	**5**	1.0	< 1.0	1.0
1,2-Dibromo-3-chloropropane	< 0.50	0.50	< 1.0	1.0	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 0.50	0.50	< 0.50	0.50
1,2-Dibromoethane	< 0.25	0.25	< 0.50	0.50	< 1.3	1.3	< 1.3	1.3	< 1.3	1.3	< 0.25	0.25	< 0.25	0.25
1,2-Dichlorobenzene	< 1.0	1.0	< 2.0	2.0	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 1.0	1.0	< 1.0	1.0
1,2-Dichloroethane	< 0.60	0.60	< 1.0	1.0	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 0.60	0.60	< 0.60	0.60
1,2-Dichloropropane	< 1.0	1.0	< 1.0	1.0	< 1.3	1.3	< 1.3	1.3	< 1.3	1.3	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	< 1.0	1.0	1.6	2.0	2.9	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichlorobenzene	< 1.0	1.0	< 2.0	2.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichloropropane	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
1,4-Dichlorobenzene	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
1,4 Dioxane	-	-	-	-	-	-	-	-	-	-	< 100	100	< 100	100
2,2-Dichloropropane	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
2-Hexanone (Methyl Butyl Ketone)	< 2.5	2.5	< 5.0	5.0	< 13	13	< 13	13	< 13	13	< 2.5	2.5	< 2.5	2.5
2-Isopropyltoluene	0.46	1.0	**13**	2.0	**17**	5.0	**17**	5.0	2.6	5.0	**14**	1.0	2.9	1.0
4-Chlorotoluene	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
4-Methyl-2-Pentanone	< 2.5	2.5	< 5.0	5.0	< 13	13	< 13	13	< 13	13	< 2.5	2.5	< 2.5	2.5
Acetone	< 5.0	5.0	< 10	10	< 25	25	< 25	25	< 25	25	3.1	5.0	4.1	5.0
Acrolein	< 5.0	5.0	< 5.0	5.0	< 13	13	< 13	13	< 13	13	< 5.0	5.0	< 5.0	5.0
Acrylonitrile	< 5.0	5.0	< 5.0	5.0	< 13	13	< 13	13	< 13	13	< 5.0	5.0	< 5.0	5.0
Benzene	0.61	0.70	**1.4**	0.70	**1.6**	3.5	**2.3**	3.5	< 1.3	1.3	**1.4**	0.70	**1.3**	0.70
Bromobenzene	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
Bromodichloromethane	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
Bromoform	< 5.0	5.0	< 10	10	< 25	25	< 25	25	< 25	25	< 5.0	5.0	< 5.0	5.0
Bromomethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
Carbon tetrachloride	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroform	< 5.0	5.0	< 7.0	7.0	< 7.0	7.0	< 7.0	7.0	< 7.0	7.0	< 5.0	5.0	< 5.0	5.0
Chloromethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
cis-1,3-Dichloropropene	< 0.40	0.40	< 0.50	0.50	< 1.3	1.3	< 1.3	1.3	< 1.3	1.3	< 0.40	0.40	< 0.40	0.40
Dibromochloromethane	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
Dibromomethane	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	< 1.0	1.0	2.4	2.0	**5.2**	5.0	**6.2**	5.0	< 5.0	5.0	4.2	1.0	1.3	1.0
Hexachlorobutadiene	< 0.50	0.50	< 0.50	0.50	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	0.6	1.0	**18**	2.0	**26**	5.0	**25**	5.0	4	5.0	**11**	1.0	2.7	1.0
m&p-Xylenes	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
Methyl Ethyl Ketone (2-Butanone)	< 2.5	2.5	< 5.0	5.0	< 13	13	< 13	13	< 13	13	< 2.5	2.5	< 2.5	2.5
Methyl t-butyl ether (MTBE)	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
Methylene chloride	< 3.0	3.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 3.0	3.0	< 3.0	3.0
Naphthalene	< 1.0	1.0	**21**	2.0	**23**	5.0	**75**	5.0	< 5.0	5.0	**39**	5.0	**12**	1.0
n-Butylbenzene	0.41	1.0	3.5	2.0	4.3	5.0	4.2	5.0	< 5.0	5.0	2.1	1.0	0.26	1.0
n-Propylbenzene	< 1.0	1.0	3.7	2.0	**9**	5.0	**9.8**	5.0	3.7	5.0	3.1	1.0	0.61	1.0
o-Xylene	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
p-Isopropyltoluene	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
sec-Butylbenzene	**16**	1.0	**20**	2.0	**26**	5.0	**24**	5.0	2.9	5.0	**10**	1.0	1.8	1.0
Styrene	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
tert-butyl alcohol	-	-	-	-	-	-	-	-	-	-	< 50	50	< 50	50
tert-Butylbenzene	2	1.0	**6.9**	2.0	**9.9**	5.0	**7.8**	5.0	3	5.0	**7.2**	1.0	1.5	1.0
Tetrachloroethene	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
Tetrahydrofuran (THF)	< 5.0	5.0	< 10	10	< 25	25	< 25	25	< 25	25	< 5.0	5.0	< 5.0	5.0
Toluene	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
trans-1,2-Dichloroethene	< 5.0	5.0	< 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	< 0.40	0.40	< 0.50	0.50	< 1.3	1.3	< 1.3	1.3	< 1.3	1.3	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	< 2.5	2.5	< 5.0	5.0	< 13	13	< 13	13	< 13	13	< 2.5	2.5	< 2.5	2.5
Trichloroethene	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
Trichlorofluoromethane	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
Trichlorotrifluoroethane	< 1.0	1.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0
Vinyl Chloride	< 1.0	1.0	1.1	2.0	1.5	5.0	1.9	5.0	< 2.0	2.0	1.1	1.0	0.88	1.0
CVOCs	0.00		1.10		1.50		1.90		0.00		1.10		0.88	
PVOCs	20.08		96.10		143.90		179.00		28.20		100.10		28.47	
Total VOCs	20.08		97.20		145.40		180.90		28.20		101.20		29.35	

Compound	MW1201 9/26/2018 µg/L		MW1201 12/27/2018 µg/L		MW1201 3/27/2019 µg/L		MW1201 6/26/2019 µg/L		MW1201 9/27/2019 µg/L		MW1201 6/17/2020 µg/L		MW1201 1/5/2021 µg/L	
	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane	< 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
1,1,1-Trichloroethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	< 1.0	1.0	< 1.0	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	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1-Dichloroethene	< 1.0	1.0	< 2.0	2.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-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
1,2,3-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
1,2,3-Trichloropropane	< 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
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
1,2,4-Trimethylbenzene	2	1.0	4.2	2.0	5	1.0	3.3	1.0	**14**	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dibromo-3-chloropropane	< 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
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
1,2-Dichlorobenzene	0.38	1.0	< 2.0	2.0	< 1.0	1.0	0.43	1.0	0.29	1.0	0.4	1.0	0.38	1.0
1,2-Dichloroethane	< 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
1,2-Dichloropropane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	< 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
1,3-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
1,3-Dichloropropane	< 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
1,4-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
1,4 Dioxane	< 100	100	<200	200	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100
2,2-Dichloropropane	< 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
2-Chlorotoluene	< 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
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-Isopropyltoluene	**16**	1.0	**19**	2.0	**14**	1.0	**17**	1.0	**12**	1.0	**17**	1.0	**16**	1.0
4-Chlorotoluene	< 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
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
Acetone	4.7	5.0	< 10	10	3.1	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	3.4	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
Acrylonitrile	< 5.0	5.0	<5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Benzene	**1.8**	0.70	**2**	1.4	**1.4**	0.70	**1**	0.70	0.52	0.70	**0.78**	0.70	**0.96**	0.70
Bromobenzene	< 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
Bromochloromethane	< 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
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
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
Bromomethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide	< 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
Carbon tetrachloride	< 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
Chlorobenzene	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroform	< 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	< 5.0	5.0	< 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	< 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
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
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
Dibromomethane	< 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
Dichlorodifluoromethane	< 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
Ethylbenzene	3.4	1.0	3.6	2.0	4.2	1.0	**6.8**	1.0	1.4	1.0	3.5	1.0	0.63	1.0
Hexachlorobutadiene	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	**16**	1.0	**19**	2.0	**11**	1.0	**22**	1.0	**11**	1.0	**18**	1.0	**5.9**	1.0
m&p-Xylenes	< 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
Methyl Ethyl Ketone (2-Butanone)	< 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
Methyl t-butyl ether (MTBE)	< 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
Methylene chloride	< 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
Naphthalene	**37**	5.0	**55**	5.0	**39**	5.0	**67**	10	**20**	1.0	**61**	20	**37**	20
n-Butylbenzene	2.9	1.0	4.7	2.0	2.1	1.0	**5.6**	1.0	3	1.0	**6**	1.0	3	1.0
n-Propylbenzene	4.5	1.0	**5.3**	2.0	3.1	1.0	**11**	1.0	2.9	1.0	**5.7**	1.0	1	1.0
o-Xylene	< 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
p-Isopropyltoluene	< 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
sec-Butylbenzene	**18**	1.0	**27**	2.0	**10**	1.0	**22**	1.0	**16**	1.0	**24**	1.0	**12**	1.0
Styrene	< 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
tert-butyl alcohol	< 50	50	<100	100	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50
tert-Butylbenzene	**8.5**	1.0	**9.9**	2.0	**7.2**	1.0	**9.4**	1.0	**7.1**	1.0	**10**	1.0	**7.7**	1.0
Tetrachloroethene	< 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
Tetrahydrofuran (THF)	< 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
Toluene	< 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
trans-1,2-Dichloroethene	< 5.0	5.0	< 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	< 0.40	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
trans-1,4-dichloro-2-butene	< 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
Trichloroethene	< 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
Trichlorofluoromethane	< 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
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
Vinyl Chloride	0.9	1.0	0.61	2.0	1.1	1.0	0.58	1.0	< 1.0	1.0	0.4	1.0	< 1.0	1.0
CVOCs	1.28		0.61		1.10		1.01		0.29		0.80		0.38	
PVOCs	114.80		149.70		100.10		165.10		87.92		145.98		87.59	
Total VOCs	116.08		150.31		101.20		166.11		88.21		146.78		87.97	

Notes:

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 2B

UFI 129-09 Jamaica Avenue, Richmond Hill, New York
Groundwater Analytical Results
Volatile Organic Compounds
MW1202

Compound	NYSDEC Groundwater Quality Standards	MW1202 6/25/2015 µg/L		MW1202 9/16/2015 µg/L		MW1202 1/16/2016 µg/L		MW1202 3/22/2016 µg/L		MW1202 9/27/2016 µg/L		MW1202 12/28/2016 µg/L		MW1202 3/10/2017 µg/L	
	µg/L	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	5	< 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
1,1,2,2-Tetrachloroethane	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	1	< 1.0	1.0	< 5.0	5.0	< 1.3	1.3	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-Dichloroethane	5	< 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
1,1-Dichloroethene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-Dichloropropene		< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichlorobenzene		< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichloropropane	0.04	< 1.0	1.0	< 5.0	5.0	< 1.3	1.3	< 1.0	1.0	< 1.0	1.0	< 0.25	0.25	< 0.25	0.25
1,2,4-Trichlorobenzene		< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,4-Trimethylbenzene	5	< 1.0	1.0	**9.7**	5.0	< 5.0	5.0	**5.1**	1.0	< 1.0	1.0	**3.3**	1.0	< 1.0	1.0
1,2-Dibromo-3-chloropropane	0.04	< 1.0	1.0	< 5.0	5.0	< 2.5	2.5	< 1.0	1.0	< 1.0	1.0	< 0.50	0.50	< 0.50	0.50
1,2-Dibromoethane		< 1.0	1.0	< 5.0	5.0	< 1.3	1.3	< 1.0	1.0	< 1.0	1.0	< 0.25	0.25	< 0.25	0.25
1,2-Dichlorobenzene	5	< 1.0	1.0	< 5.0	5.0	< 2.5	2.5	< 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	< 3.0	3.0	< 1.3	1.3	< 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	< 5.0	5.0	< 1.3	1.3	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	< 1.0	1.0	**2**	5.0	< 5.0	5.0	**1.4**	1.0	< 1.0	1.0	**2.4**	1.0	< 1.0	1.0
1,3-Dichlorobenzene	5	< 1.0	1.0	< 5.0	5.0	< 2.5	2.5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichloropropane	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-Dichlorobenzene	5	< 1.0	1.0	< 5.0	5.0	< 2.5	2.5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-Dioxane		-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Hexanone (Methyl Butyl Ketone)		< 2.5	2.5	< 13	13	< 13	13	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
2-Isopropyltoluene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	**9.7**	1.0	< 1.0	1.0
4-Chlorotoluene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Methyl-2-Pentanone		< 2.5	2.5	< 13	13	< 13	13	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Acetone		**8.8**	5.0	< 25	25	< 25	25	**2.8**	5.0	**7.1**	5.0	< 5.0	5.0	< 5.0	5.0
Acrolein		< 5.0	5.0	< 25	25	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Acrylonitrile	5	< 5.0	5.0	< 25	25	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Benzene	1	**0.34**	0.70	< 3.5	3.5	< 1.3	1.3	**0.66**	0.70	**0.29**	0.70	**0.89**	0.70	**0.91**	0.70
Bromobenzene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromodichloromethane		< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromoform		< 5.0	5.0	< 25	25	< 25	25	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Bromomethane	5	< 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
Carbon Disulfide	60	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Carbon tetrachloride	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	5	< 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
Chloroethane	5	< 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
Chloroform	7	**0.29**	5.0	< 25	25	< 5.0	5.0	**0.34**	5.0	**0.38**	5.0	< 5.0	5.0	< 5.0	5.0
Chloromethane	60	< 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
cis-1,2-Dichloroethene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
cis-1,3-Dichloropropene		< 0.40	0.40	< 2.0	2.0	< 1.3	1.3	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
Dibromochloromethane		< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dibromomethane	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	**0.28**	1.0	< 1.0	1.0	1	1.0	< 1.0	1.0
Hexachlorobutadiene	0.5	< 0.5	0.5	< 5.0	5.0	< 1.0	1.0	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	**0.5**	1.0	**0.41**	1.0	**11**	1.0	**0.58**	1.0
m&p-Xylenes	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	**0.68**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methyl Ethyl Ketone (2-Butanone)		< 2.5	2.5	< 13	13	< 13	13	< 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	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methylene chloride	5	< 3.0	3.0	< 15	15	< 5.0	5.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0
Naphthalene	10	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	**1.2**	1.0	< 1.0	1.0	**8.7**	1.0	**1.2**	1.0
n-Butylbenzene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	**0.32**	1.0	< 1.0	1.0	**2**	1.0	**0.41**	1.0
n-Propylbenzene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	**0.7**	1.0	< 1.0	1.0	**1.5**	1.0	< 1.0	1.0
o-Xylene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
p-Isopropyltoluene		< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
sec-Butylbenzene	5	**0.26**	1.0	< 5.0	5.0	**4.4**	5.0	**10**	1.0	**12**	1.0	**13**	1.0	**8.7**	1.0
Styrene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
tert-butyl alcohol		-	-	-	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	**1.3**	1.0	**1.7**	1.0	**5.4**	1.0	**1.2**	1.0
Tetrachloroethene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tetrahydrofuran (THF)		< 5.0	5.0	< 25	25	< 25	25	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Toluene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
trans-1,2-Dichloroethene	5	< 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
trans-1,3-Dichloropropene	0.4	< 0.40	0.40	< 2.0	2.0	< 1.3	1.3	< 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	< 13	13	< 5.0	5.0	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Trichloroethene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorofluoromethane	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorotrifluoroethane		< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Vinyl Chloride	2	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0	< 1.0	1.0	**0.58**	1.0	< 1.0	1.0
CVOCs		**0.29**		**0.00**		**0.00**		**0.34**		**0.38**		**0.58**		**0.00**	
PVOCs		**9.40**		**11.70**		**4.40**		**24.94**		**21.50**		**58.89**		**13.00**	
Total VOCs		**9.69**		**11.70**		**4.40**		**25.28**		**21.88**		**59.47**		**13.00**	

Compound	MW1202 6/21/2017 µg/L		MW1202 9/21/2017 µg/L		MW1202 12/29/2017 µg/L		MW1202 3/27/2018 µg/L		MW1202 6/28/2018 µg/L		MW1202 9/26/2018 µg/L	
	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	< 1.0	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	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1-Dichloroethene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-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	< 0.25	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	< 1.0	1.0	**0.6**	1.0	**0.31**	1.0	< 1.0	1.0	< 1.0	1.0	**0.33**	1.0
1,2-Dibromo-3-chloropropane	< 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	< 1.0	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	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60
1,2-Dichloropropane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-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	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-Dichlorobenzene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-Dioxane	-	-	-	-	-	-	< 100	100	< 100	100	< 100	100
2,2-Dichloropropane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
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	< 1.0	1.0	**0.61**	1.0	< 1.0	1.0	< 1.0	1.0	**0.42**	1.0	**1.6**	1.0
4-Chlorotoluene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
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	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	**3.2**	5.0	**4.2**	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
Acrylonitrile	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Benzene	**1.5**	0.70	**0.87**	0.70	< 0.70	0.70	**0.61**	0.70	**0.51**	0.70	**0.55**	0.70
Bromobenzene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
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	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Carbon tetrachloride	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroform	< 5.0	5.0	< 5.0	5.0	**0.94**	5.0	**0.44**	5.0	**0.72**	5.0	**2.9**	5.0
Chloromethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
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	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Hexachlorobutadiene	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	**0.43**	1.0	**1.4**	1.0	< 1.0	1.0	< 1.0	1.0	**1.2**	1.0	**0.97**	1.0
m&p-Xylenes	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methyl Ethyl Ketone (2-Butanone)	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Methyl t-butyl ether (MTBE)	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methylene chloride	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0
Naphthalene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Butylbenzene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Propylbenzene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
o-Xylene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
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
sec-Butylbenzene	**17**	1.0	**5.4**	1.0	< 1.0	1.0	**0.59**	1.0	**8.1**	1.0	**7.6**	1.0
Styrene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
tert-butyl alcohol	-	-	-	-	-	-	< 50	50	< 50	50	< 50	50
tert-Butylbenzene	**1.5**	1.0	**0.99**	1.0	< 1.0	1.0	< 1.0	1.0	**1.3**	1.0	**1.4**	1.0
Tetrachloroethene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
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	< 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	< 5.0	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	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Trichloroethene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorofluoromethane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
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	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
CVOCs	**0.00**		**0.00**		**0.94**		**0.44**		**0.72**		**2.90**	
PVOCs	**20.43**		**9.87**		**0.31**		**4.40**		**15.73**		**12.45**	
Total VOCs	**20.43**		**9.87**		**1.25**		**4.84**		**16.45**		**15.35**	

Compound	MW1202 12/27/2018 µg/L		MW1202 3/27/2018 µg/L		MW1202 6/26/2019 µg/L		MW1202 9/27/2019 µg/L		MW1202 6/17/2020 µg/L		MW1202 1/5/2021 µg/L	
	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	< 1.0	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	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1-Dichloroethene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-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	< 0.25	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	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dibromo-3-chloropropane	< 0.50	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	< 1.0	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	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60
1,2-Dichloropropane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-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	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-Dichlorobenzene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-Dioxane	<100	100	< 100	100	< 100	100	< 100	100	< 100	100	< 100	100
2,2-Dichloropropane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
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	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**0.97**	1.0	< 1.0	1.0
4-Chlorotoluene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
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	< 5.0	5.0	**3.2**	5.0	**4.7**	5.0	< 5.0	5.0	**5.4**	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
Acrylonitrile	<5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Benzene	**0.51**	0.70	**0.61**	0.70	**0.78**	0.70	< 0.70	0.70	**1.1**	0.70	**0.45**	0.70
Bromobenzene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
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	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Carbon tetrachloride	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroform	**6.4**	5.0	**0.44**	5.0	**0.67**	5.0	**2.3**	5.0	< 5.0	5.0	< 5.0	5.0
Chloromethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
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	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	< 1.0	1.0	< 1.0	1.0	**0.46**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Hexachlorobutadiene	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	< 1.0	1.0	< 1.0	1.0	**2.3**	1.0	**0.46**	1.0	**4**	1.0	**0.88**	1.0
m&p-Xylenes	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**0.29**	1.0
Methyl Ethyl Ketone (2-Butanone)	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Methyl t-butyl ether (MTBE)	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methylene chloride	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0
Naphthalene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**1.1**	1.0	< 1.0	1.0	< 1.0	1.0
n-Butylbenzene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**1.1**	1.0	< 1.0	1.0
n-Propylbenzene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**1.2**	1.0	< 1.0	1.0
o-Xylene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
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
sec-Butylbenzene	**1.4**	1.0	**0.59**	1.0	**2.5**	1.0	**0.38**	1.0	**7.1**	1.0	**2.7**	1.0
Styrene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
tert-butyl alcohol	<50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50
tert-Butylbenzene	**0.32**	1.0	< 1.0	1.0	**0.71**	1.0	< 1.0	1.0	**1.2**	1.0	**0.51**	1.0
Tetrachloroethene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
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	< 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	< 5.0	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	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Trichloroethene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorofluoromethane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
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	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	0.57	1.0	< 1.0	1.0
CVOCs	**6.40**		**0.44**		**0.67**		**2.30**		**0.57**		**0.00**	
PVOCs	**2.23**		**4.40**		**11.45**		**1.94**		**22.07**		**4.83**	
Total VOCs	**8.63**		**4.84**		**12.12**		**4.24**		**22.64**		**4.83**	

Notes:

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 2C

UFI 129-09 Jamaica Avenue, Richmond Hill, New York
Groundwater Analytical Results
Volatile Organic Compounds
MW1203

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1203 3/13/2015 µg/L		MW1203 6/25/2015 µg/L		MW1203 9/16/2015 µg/L		MW1203 1/16/2016 µg/L		MW1203 3/22/2016 µg/L		MW1203 6/9/2016 µg/L		MW1203 9/27/2016 µg/L		MW1203 12/28/2016 µg/L		MW1203 3/10/2017 µg/L	
		Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane	5	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,1-Trichloroethane	5	< 5.0	5.0	< 25	25	< 10	10	< 5.0	5.0	< 5.0	5.0	< 4.0	4.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	5	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2-Trichloroethane	1	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 1.3	1.3	< 1.0	1.0	< 1.0	1.0	< 1.3	1.3	< 1.3	1.3	< 2.5	2.5
1,1-Dichloroethane	5	< 5.0	5.0	< 25	25	< 10	10	< 5.0	5.0	< 5.0	5.0	< 4.0	4.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1-Dichloroethene	5	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1-Dichloropropene		< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,2,3-Trichlorobenzene		< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 10	10
1,2,3-Trichloropropane	0.04	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 1.3	1.3	< 1.0	1.0	< 0.50	0.50	< 5.0	5.0	< 1.3	1.3	< 2.5	2.5
1,2,4-Trichlorobenzene		< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 10	10
1,2,4-Trimethylbenzene	5	**29.0**	1.0	**32.0**	5.0	**24.0**	2.0	**17.0**	5.0	**7.5**	2.0	**6.4**	2.0	**5.2**	5.0	**4**	5.0	< 5.0	5.0
1,2-Dibromo-3-chloropropane	0.04	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 2.5	2.5	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	< 2.5	2.5	< 5.0	5.0
1,2-Dibromoethane		< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 1.3	1.3	< 1.0	1.0	< 0.50	0.50	< 5.0	5.0	< 1.3	1.3	< 2.5	2.5
1,2-Dichlorobenzene	5	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 2.5	2.5	< 2.0	2.0	< 2.0	2.0	< 4.0	4.0	< 4.7	4.7	< 4.7	4.7
1,2-Dichloroethane	0.6	< 0.60	0.60	< 3.0	3.0	< 1.2	1.2	< 1.3	1.3	< 0.60	0.60	< 0.50	0.50	< 3.0	3.0	< 2.5	2.5	< 5.0	5.0
1,2-Dichloropropane	0.94	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 1.3	1.3	< 1.0	1.0	< 1.0	1.0	< 1.3	1.3	< 1.3	1.3	< 2.5	2.5
1,3,5-Trimethylbenzene	5	**2.7**	1.0	**4.3**	5.0	**2.3**	2.0	**1.4**	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,3-Dichlorobenzene	5	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 2.5	2.5	< 2.0	2.0	< 2.0	2.0	< 2.5	2.5	< 3.0	3.0	< 3.0	3.0
1,3-Dichloropropane	5	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,4-Dichlorobenzene	5	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 2.5	2.5	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,4-Dioxane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	5	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
2-Chlorotoluene	5	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
2-Hexanone (Methyl Butyl Ketone)		< 2.5	2.5	< 13	13	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 13	13	< 13	13	< 25	25
2-Isopropyltoluene	5	**1.2**	1.0	< 5.0	5.0	**1.0**	2.0	< 5.0	5.0	**0.9**	2.0	**1.3**	2.0	**1.3**	5.0	< 5.0	5.0	< 5.0	5.0
4-Chlorotoluene	5	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
4-Methyl-2-Pentanone		< 2.5	2.5	< 13	13	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 13	13	< 13	13	< 25	25
Acetone		**3.8**	5.0	< 25	25	**5.6**	10	< 25	25	**8.3**	10	**5.8**	10	< 25	25	< 25	25	< 50	50
Acrolein		< 5.0	5.0	< 25	25	< 10	10	< 13	13	< 5.0	5.0	< 5.0	5.0	< 13	13	< 13	13	< 25	25
Acrylonitrile	5	< 5.0	5.0	< 25	25	< 10	10	< 13	13	< 5.0	5.0	< 5.0	5.0	< 13	13	< 13	13	< 25	25
Benzene	1	**1.2**	0.70	< 3.5	3.5	< 1.4	1.4	< 1.3	1.3	**1.0**	1.4	< 0.50	0.50	< 3.5	3.5	< 1.3	1.3	< 2.5	2.5
Bromobenzene	5	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Bromochloromethane	5	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 4.0	4.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Bromodichloromethane		< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 10	10
Bromoform		< 5.0	5.0	< 25	25	< 10	10	< 25	25	< 10	10	< 10	10	< 25	25	< 25	25	< 50	50
Bromomethane	5	< 5.0	5.0	< 25	25	< 10	10	< 5.0	5.0	< 5.0	5.0	< 4.0	4.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide	60	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 10	10
Carbon tetrachloride	5	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chlorobenzene	5	< 5.0	5.0	< 25	25	< 10	10	< 5.0	5.0	< 5.0	5.0	< 4.0	4.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroethane	5	**0.3**	5.0	< 25	25	< 10	10	< 5.0	5.0	**1.0**	5.0	**0.9**	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroform	7	< 5.0	5.0	< 25	25	< 10	10	< 5.0	5.0	< 5.0	5.0	< 4.0	4.0	< 5.0	5.0	< 7.0	7.0	< 7.0	7.0
Chloromethane	60	< 5.0	5.0	< 25	25	< 10	10	< 5.0	5.0	< 5.0	5.0	< 4.0	4.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	5	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,3-Dichloropropene		< 0.40	0.40	< 2.0	2.0	< 0.80	0.80	< 1.3	1.3	< 0.40	0.40	< 0.40	0.40	< 2.0	2.0	< 1.3	1.3	< 2.5	2.5
Dibromochloromethane		< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 10	10
Dibromomethane	5	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Dichlorodifluoromethane	5	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Ethylbenzene	5	**20.0**	1.0	**18.0**	5.0	**18.0**	2.0	**14.0**	5.0	**3.8**	2.0	**3.7**	2.0	**6.9**	5.0	**4.3**	5.0	< 5.0	5.0
Hexachlorobutadiene	0.5	< 0.5	0.5	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0	< 0.50	0.50	< 0.40	0.40	< 2.5	2.5	< 1.0	1.0	< 2.0	2.0
Isopropylbenzene	5	**5.0**	1.0	**5.0**	5.0	**5.2**	2.0	**5.0**	5.0	**2.7**	2.0	**3.8**	2.0	**4.3**	5.0	**3.9**	5.0	**2.7**	5.0
m&p-Xylenes	5	**3.0**	1.0	**2.1**	5.0	**0.6**	2.0	**1.4**	5.0	**0.9**	2.0	**0.5**	2.0	< 5.0	5.0	< 5.0	5.0	< 10	10
Methyl Ethyl Ketone (2-Butanone)		< 2.5	2.5	< 13	13	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 13	13	< 13	13	< 25	25
Methyl t-butyl ether (MTBE)	10	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.1	< 5.0	5.0	< 5.0	5.0	< 10	10
Methylene chloride	5	< 3.0	3.0	< 15	15	< 6.0	6.0	< 5.0	5.0	< 5.0	5.0	< 4.0	5.0	< 5.0	5.0	< 5.0	5.0	< 10	10
Naphthalene	10	**92.0**	5.0	**96.0**	5.0	**110.0**	20	**110.0**	5.0	**83.0**	5.0	**87.0**	5.0	**110**	5.0	**88**	5.0	**100**	10
n-Butylbenzene	5	**2.0**	1.0	**2.7**	5.0	**2.3**	2.0	**2.2**	5.0	**1.8**	2.0	**3.6**	2.0	**3.7**	5.0	**2.6**	5.0	**2.6**	5.0
n-Propylbenzene	5	**7.5**	1.0	**7.9**	5.0	**7.7**	2.0	**7.0**	5.0	**3.6**	2.0	**6.2**	2.0	**6.9**	5.0	**5.7**	5.0	**4.3**	5.0
o-Xylene	5	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
p-Isopropyltoluene		**1.2**	1.0	**1.3**	5.0	**1.2**	2.0	< 5.0	5.0	**0.8**	2.0	**0.9**	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
sec-Butylbenzene	5	**2.6**	1.0	**3.1**	5.0	**2.9**	2.0	**3.1**	5.0	**2.1**	2.0	**3.4**	2.0	**3.8**	5.0	**3**	5.0	**4**	5.0
Styrene	5	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
tert-butyl alcohol		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	5	**0.4**	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Tetrachloroethene	5	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Tetrahydrofuran (THF)		< 5.0	5.0	< 25	25	< 10	10	< 25	25	< 10	10	< 10	10	< 25	25	< 25	25	< 50	50
Toluene	5	**0.4**	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
trans-1,2-Dichloroethene	5	**0.3**	5.0	< 25	25	< 10	10	< 5.0	5.0	< 5.0	5.0	< 4.0	4.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
trans-1,3-Dichloropropene	0.4	< 0.40	0.40	< 2.0	2.0	< 0.80	0.80	< 1.3	1.3	< 0.40	0.40	< 0.40	0.40	< 2.0	2.0	< 1.3	1.3	< 2.5	2.5
trans-1,4-dichloro-2-butene	5	< 2.5	2.5	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 13	13	< 13	13	< 25	25
Trichloroethene	5	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Trichlorofluoromethane	5	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Trichlorotrifluoroethane		< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Vinyl Chloride	2	< 1.0	1.0	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 2.0	2.0	< 2.0	2.0	< 2.0	2.0	< 2.0	2.0	< 2.5	2.5
CVOCs		0.56		0.00		0.00		0.00		0.95		0.91		0.00		0.00		0.00	
PVOCs		172.03		172.40		180.76		161.10		116.34		122.68		142.10		111.50		113.60	
Total VOCs		172.59		172.40		180.76		161.10		117.29		123.59		142.10		111.50		113.60	

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1203 6/21/2017 µg/L		MW1203 9/21/2017 µg/L		MW1203 12/29/2017 µg/L		MW1203 3/27/2018 µg/L		MW1203 6/28/2018 µg/L		MW1203 9/26/2018 µg/L		MW1203 12/27/2018 µg/L		MW1203 3/27/2018 µg/L		MW1203 6/26/2019 µg/L		MW1203 9/27/2019 µg/L		MW1203 6/17/2020 µg/L		MW1203 1/5/2021 µg/L	
		Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 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	< 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	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2-Trichloroethane	1	< 1.0	1.0	< 1.3	1.3	< 1.3	1.3	< 1.0	1.0	< 1.3	1.3	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.5	2.5	< 5.0	5.0	< 1.3	1.3	< 2.5	2.5
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	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1-Dichloroethene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1-Dichloropropene		< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,2,3-Trichlorobenzene		< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 10	10	< 20	20	< 5.0	5.0	< 10	10
1,2,3-Trichloropropane	0.04	< 0.25	0.25	< 1.3	1.3	< 1.3	1.3	< 0.50	0.50	< 1.3	1.3	< 0.25	0.25	< 0.50	0.50	< 0.50	0.50	< 2.5	2.5	< 5.0	5.0	< 1.3	1.3	< 2.5	2.5
1,2,4-Trichlorobenzene		< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 10	10	< 20	20	< 5.0	5.0	< 10	10
1,2,4-Trimethylbenzene	5	**0.78**	1.0	< 5.0	5.0	< 5.0	5.0	**3.4**	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	**3.4**	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,2-Dibromo-3-chloropropane	0.04	< 0.50	0.50	< 2.5	2.5	< 2.5	2.5	< 1.0	1.0	< 2.5	2.5	< 0.50	0.50	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	< 10	10	< 2.5	2.5	< 5.0	5.0
1,2-Dibromoethane		< 0.25	0.25	< 1.3	1.3	< 1.3	1.3	< 0.50	0.50	< 1.3	1.3	< 0.25	0.25	< 0.50	0.50	< 0.50	0.50	< 2.5	2.5	< 5.0	5.0	< 1.3	1.3	< 2.5	2.5
1,2-Dichlorobenzene	5	< 1.0	1.0	< 4.7	4.7	< 4.7	4.7	< 2.0	2.0	< 4.7	4.7	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 4.7	4.7	< 5.0	5.0	< 4.7	4.7	< 4.7	4.7
1,2-Dichloroethane	0.6	< 0.60	0.60	< 2.5	2.5	< 2.5	2.5	< 1.0	1.0	< 2.5	2.5	< 0.60	0.60	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	< 10	10	< 2.5	2.5	< 5.0	5.0
1,2-Dichloropropane	0.94	< 1.0	1.0	< 1.3	1.3	< 1.3	1.3	< 1.0	1.0	< 1.3	1.3	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.5	2.5	< 5.0	5.0	< 1.3	1.3	< 2.5	2.5
1,3,5-Trimethylbenzene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	**0.58**	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	**0.58**	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,3-Dichlorobenzene	5	< 1.0	1.0	< 3.0	3.0	< 3.0	3.0	< 2.0	2.0	< 3.0	3.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 3.0	3.0	< 5.0	5.0	< 3.0	3.0	< 3.0	3.0
1,3-Dichloropropane	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,4-Dichlorobenzene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,4-Dioxane		-	-	-	-	-	-	< 200	200	< 500	500	< 100	100	<200	200	< 200	200	< 1000	1,000	< 2000	2,000	< 500	500	< 1000	1,000
2,2-Dichloropropane	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
2-Chlorotoluene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
2-Hexanone (Methyl Butyl Ketone)		< 2.5	2.5	< 13	13	< 13	13	< 5.0	5.0	< 13	13	< 2.5	2.5	< 5.0	5.0	< 5.0	5.0	< 25	25	< 50	50	< 13	13	< 25	25
2-Isopropyltoluene	5	**0.51**	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	**1.3**	5.0	< 1.0	1.0	**0.54**	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	**1.3**	5.0	< 5.0	5.0
4-Chlorotoluene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
4-Methyl-2-Pentanone		< 2.5	2.5	< 13	13	< 13	13	< 5.0	5.0	< 13	13	< 2.5	2.5	< 5.0	5.0	< 5.0	5.0	< 25	25	< 50	50	< 13	13	< 25	25
Acetone		**3.6**	5.0	**17**	25	< 25	25	**6.1**	10	< 25	25	< 5.0	5.0	< 10	10	**6.1**	10	< 50	50	< 50	50	< 25	25	< 50	50
Acrolein		< 5.0	5.0	< 13	13	< 13	13	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 25	25	< 5.0	5.0	< 13	13	< 25	25
Acrylonitrile	5	< 5.0	5.0	< 13	13	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<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	< 1.3	1.3	< 1.3	1.3	**1.6**	1.4	**2.2**	1.3	< 0.70	0.70	**1.1**	0.70	**1.6**	1.4	< 2.5	2.5	< 5.0	5.0	**2.2**	1.3	< 2.5	2.5
Bromobenzene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Bromochloromethane	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Bromodichloromethane		< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 10	10	< 20	20	< 5.0	5.0	< 10	10
Bromoform		< 5.0	5.0	< 25	25	< 25	25	< 10	10	< 25	25	< 5.0	5.0	< 10	10	< 10	10	< 50	50	< 50	50	< 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	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide	60	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 10	10	< 20	20	< 5.0	5.0	< 10	10
Carbon tetrachloride	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 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	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroform	7	< 5.0	5.0	< 7.0	7.0	< 7.0	7.0	< 7.0	7.0	< 7.0	7.0	< 5.0	5.0	< 7.0	7.0	< 7.0	7.0	< 7.0	7.0	< 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	< 5.0	5.0	< 5.0	5.0	< 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	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,3-Dichloropropene		< 0.40	0.40	< 1.3	1.3	< 1.3	1.3	< 0.50	0.50	< 1.3	1.3	< 0.40	0.40	< 0.50	0.50	< 0.50	0.50	< 2.5	2.5	< 5.0	5.0	< 1.3	1.3	< 2.5	2.5
Dibromochloromethane		< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 10	10	< 20	20	< 5.0	5.0	< 10	10
Dibromomethane	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Dichlorodifluoromethane	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Ethylbenzene	5	**0.42**	1.0	< 5.0	5.0	< 5.0	5.0	**2.6**	2.0	**4.3**	5.0	< 1.0	1.0	< 2.0	2.0	**2.6**	2.0	< 5.0	5.0	< 5.0	5.0	**3.7**	5.0	< 5.0	5.0
Hexachlorobutadiene	0.5	< 0.50	0.50	< 1.0	1.0	< 1.0	1.0	< 0.50	0.50	< 1.0	1.0	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 2.0	2.0	< 4.0	4.0	< 1.0	1.0	< 2.0	2.0
Isopropylbenzene	5	**2.2**	1.0	**1.5**	5.0	**2.7**	5.0	**1.9**	2.0	**4.5**	5.0	< 1.0	1.0	**2.8**	2.0	**1.9**	2.0	**9.8**	5.0	**6.5**	5.0	**13**	5.0	**4.9**	5.0
m&p-Xylenes	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	**1.1**	2.0	**2.9**	5.0	< 1.0	1.0	< 2.0	2.0	**1.1**	2.0	< 10	10	< 20	20	**1.4**	5.0	< 10	10
Methyl Ethyl Ketone (2-Butanone)		< 2.5	2.5	< 13	13	< 13	13	< 5.0	5.0	< 13	13	< 2.5	2.5	< 5.0	5.0	< 5.0	5.0	< 25	25	< 50	50	< 13	13	< 25	25
Methyl t-butyl ether (MTBE)	10	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 10	10	< 20	20	< 5.0	5.0	< 10	10
Methylene chloride	5	< 3.0	3.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 3.0	3.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Naphthalene	10	**75**	1.0	**55**	5.0	**77**	5.0	**24**	2.0	**180**	20	**5.6**	1.0	**140**	5.0	**24**	2.0	**280**	20	**260**	20	**350**	20	**170**	10
n-Butylbenzene	5	**0.68**	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	**2**	5.0	< 1.0	1.0	**1.3**	2.0	< 2.0	2.0	**2.7**	5.0	< 5.0	5.0	**3.3**	5.0	< 5.0	5.0
n-Propylbenzene	5	**2.6**	1.0	**2**	5.0	**3.9**	5.0	**1.3**	2.0	**5.5**	5.0	**0.31**	1.0	**4.6**	2.0	**1.3**	2.0	**12**	10	**9.8**	5.0	**19**	5.0	**7**	5.0
o-Xylene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
p-Isopropyltoluene		< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
sec-Butylbenzene	5	**1.3**	1.0	< 5.0	5.0	**1.3**	5.0	**0.54**	2.0	**2.8**	5.0	< 1.0	1.0	**1.4**	2.0	**0.54**	2.0	**3.4**	5.0	< 5.0	5.0	**4**	5.0	< 5.0	5.0
Styrene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
tert-butyl alcohol		-	-	-	-	-	-	< 100	100	< 250	250	< 50	50	<100	100	< 100	100	< 500	500	< 1000	1,000	< 250	250	< 500	500
tert-Butylbenzene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Tetrachloroethene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Tetrahydrofuran (THF)		< 5.0	5.0	< 25	25	< 25	25	< 10	10	< 25	25	< 5.0	5.0	< 10	10	< 10	10	< 50	50	< 50	50	< 25	25	< 50	50
Toluene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 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	< 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	< 1.3	1.3	< 1.3	1.3	< 0.50	0.50	< 1.3	1.3	< 0.40	0.40	< 0.50	0.50	< 0.50	0.50	< 2.5	2.5	< 5.0	5.0	< 1.3	1.3	< 2.5	2.5
trans-1,4-dichloro-2-butene	5	< 2.5	2.5	< 13	13	< 13	13	< 5.0	5.0	< 13	13	< 2.5	2.5	< 5.0	5.0	< 5.0	5.0	< 25	25	< 50	50	< 13	13	< 25	25
Trichloroethene	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Trichlorofluoromethane	5	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Trichlorotrifluoroethane		< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Vinyl Chloride	2	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 2.0	2.0	< 2.0	2.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 2.5	2.5	< 5.0	5.0	< 2.0	2.0	< 2.5	2.5
CVOCs		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
PVOCs		87.09		75.50		84.90		43.12		205.50		5.91		144.60		43.12		307.90		276.30		397.90		181.90	
Total VOCs		87.09		75.50		84.90		43.12		205.50		5.91		144.60		43.12		307.90		276.30		397.90		181.90	

Notes:

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 2D

UFI 129-09 Jamaica Avenue, Richmond Hill, New York
Groundwater Analytical Results
Volatile Organic Compounds
MW1205

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1205 6/25/2015 µg/L		MW1205 9/16/2015 µg/L		MW1205 1/16/2016 µg/L		MW1205 3/22/2016 µg/L		MW1205 12/29/2017 µg/L		MW1205 3/27/2018 µg/L		MW1205 6/28/2018 µg/L		MW1205 9/26/2018 µg/L		MW1205 12/27/2018 µg/L		MW1205 3/27/2018 µg/L		MW1205 6/26/2019 µg/L		MW1205 9/27/2019 µg/L		MW1205 6/17/2020 µg/L		MW1205 1/5/2021 µg/L	
		Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane	5	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
1,1,1-Trichloroethane	5	< 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	< 5.0	5.0	< 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	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
1,1,2-Trichloroethane	1	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.3	1.3	< 1.0	1.0	< 1.3	1.3	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.5	2.5	< 1.0	1.0	< 1.3	1.3	< 2.5	2.5
1,1-Dichloroethane	5	< 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	< 5.0	5.0	< 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	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
1,1-Dichloropropene		< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
1,2,3-Trichlorobenzene		< 2.0	2.0	< 5.0	5.0	< 20	20	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 10	10	< 1.0	1.0	< 5.0	5.0	< 10	10
1,2,3-Trichloropropane	0.04	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.3	1.3	< 0.50	0.50	< 1.3	1.3	< 0.25	0.25	< 0.50	0.50	< 0.50	0.50	< 2.5	2.5	< 0.25	0.25	< 1.3	1.3	< 2.5	2.5
1,2,4-Trichlorobenzene		< 2.0	2.0	< 5.0	5.0	< 20	20	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 10	10	< 1.0	1.0	< 5.0	5.0	< 10	10
1,2,4-Trimethylbenzene	5	**620**	40	**440**	20	**680**	100	**430**	20	**140**	5.0	**48**	2.0	**91**	5.0	**30**	1.0	**160**	10	**48**	2.0	**180**	10	**55**	20	**410**	20	**470**	20
1,2-Dibromo-3-chloropropane	0.04	< 2.0	2.0	< 5.0	5.0	< 10	10	< 5.0	5.0	< 2.5	2.5	< 1.0	1.0	< 2.5	2.5	< 0.50	0.50	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	< 0.50	0.50	< 2.5	2.5	< 5.0	5.0
1,2-Dibromoethane		< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.3	1.3	< 0.50	0.50	< 1.3	1.3	< 0.25	0.25	< 0.50	0.50	< 0.50	0.50	< 2.5	2.5	< 0.25	0.25	< 1.3	1.3	< 2.5	2.5
1,2-Dichlorobenzene	5	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 4.7	4.7	< 2.0	2.0	< 4.7	4.7	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 4.7	4.7	< 1.0	1.0	< 4.7	4.7	< 4.7	4.7
1,2-Dichloroethane	0.6	< 0.6	0.6	< 3.0	3.0	< 10	10	< 3.0	3.0	< 2.5	2.5	< 1.0	1.0	< 2.5	2.5	< 0.60	0.60	< 1.0	1.0	< 1.0	1.0	< 5.0	5.0	< 0.60	0.60	< 2.5	2.5	< 5.0	5.0
1,2-Dichloropropane	0.94	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 1.3	1.3	< 1.0	1.0	< 1.3	1.3	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.5	2.5	< 1.0	1.0	< 1.3	1.3	< 2.5	2.5
1,3,5-Trimethylbenzene	5	**150**	20	**120**	5.0	**220**	20	**120**	5.0	**16**	5.0	**8.7**	2.0	**19**	5.0	**6**	1.0	**6**	2.0	**8.7**	2.0	**38**	10	**8.1**	1.0	**100**	5.0	**98**	10
1,3-Dichlorobenzene	5	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 3.0	3.0	< 2.0	2.0	< 3.0	3.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 3.0	3.0	< 1.0	1.0	< 3.0	3.0	< 3.0	3.0
1,3-Dichloropropane	5	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
1,4-Dichlorobenzene	5	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
1,4-Dioxane		-	-	-	-	-	-	-	-	-	-	< 200	200	< 500	500	< 100	100	<200	200	< 200	200	< 1000	1,000	< 100	100	< 500	500	< 1000	1,000
2,2-Dichloropropane	5	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
2-Chlorotoluene	5	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
2-Hexanone (Methyl Butyl Ketone)		< 5.0	5.0	< 13	13	< 50	50	< 13	13	< 13	13	< 5.0	5.0	< 13	13	< 2.5	2.5	< 5.0	5.0	< 5.0	5.0	< 25	25	< 2.5	2.5	< 13	13	< 25	25
2-Isopropyltoluene	5	**13**	2.0	**16**	5.0	**16**	20	**13**	5.0	**9.4**	5.0	**2.1**	2.0	**2.6**	5.0	**0.65**	1.0	**6.8**	2.0	**2.1**	2.0	**6.8**	5.0	**5.8**	1.0	**11**	5.0	**10**	10
4-Chlorotoluene	5	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
4-Methyl-2-Pentanone		< 5.0	5.0	< 13	13	< 50	50	< 13	13	< 13	13	< 5.0	5.0	< 13	13	< 2.5	2.5	< 5.0	5.0	< 5.0	5.0	< 25	25	< 2.5	2.5	< 13	13	< 25	25
Acetone		**5.8**	10	< 25	25	< 50	50	< 25	25	< 25	25	**5.8**	10	< 25	25	< 5.0	5.0	< 10	10	**5.8**	10	< 50	50	< 5.0	5.0	< 25	25	< 50	50
Acrolein		< 5.0	5.0	< 25	25	< 50	50	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 25	25	< 5.0	5.0	< 13	13	< 25	25
Acrylonitrile	5	< 5.0	5.0	< 25	25	< 50	50	< 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	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Benzene	1	**6**	1.4	**6.9**	3.5	**4.4**	5.0	**3**	3.5	< 1.3	1.3	**1.3**	1.4	< 1.3	1.3	< 0.70	0.70	< 0.70	0.70	**1.3**	1.4	< 2.5	2.5	**0.41**	0.70	< 1.3	1.3	< 2.5	2.5
Bromobenzene	5	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
Bromochloromethane	5	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
Bromodichloromethane		< 2.0	2.0	< 5.0	5.0	< 20	20	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 10	10	< 1.0	1.0	< 5.0	5.0	< 10	10
Bromoform		< 10	10	< 25	25	< 5.0	5.0	< 25	25	< 25	25	< 10	10	< 25	25	< 5.0	5.0	< 10	10	< 10	10	< 50	50	< 5.0	5.0	< 25	25	< 50	50
Bromomethane	5	< 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	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide	60	< 2.0	2.0	< 5.0	5.0	< 20	20	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	**2.6**	10	**0.33**	1.0	< 5.0	5.0	< 10	10
Carbon tetrachloride	5	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
Chlorobenzene	5	< 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	< 5.0	5.0	< 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	< 25	25	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroform	7	< 7.0	7.0	< 25	25	< 5.0	5.0	< 5.0	5.0	< 7.0	7.0	< 7.0	7.0	< 7.0	7.0	< 5.0	5.0	< 7.0	7.0	< 7.0	7.0	< 7.0	7.0	< 5.0	5.0	< 7.0	7.0	< 7.0	7.0
Chloromethane	60	**1.2**	5.0	< 25	25	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	5	**5.6**	2.0	**58**	5.0	< 5.0	5.0	< 5.0	5.0	**1.8**	5.0	**0.69**	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	**0.69**	2.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
cis-1,3-Dichloropropene		< 0.4	0.4	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 1.3	1.3	< 0.50	0.50	< 1.3	1.3	< 0.40	0.40	< 0.50	0.50	< 0.50	0.50	< 2.5	2.5	< 0.40	0.40	< 1.3	1.3	< 2.5	2.5
Dibromochloromethane		< 2.0	2.0	< 5.0	5.0	< 20	20	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 10	10	< 1.0	1.0	< 5.0	5.0	< 10	10
Dibromomethane	5	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
Dichlorodifluoromethane	5	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
Ethylbenzene	5	**100**	20	**100**	5.0	**94**	20	**48**	5.0	**11**	5.0	**11**	2.0	**18**	5.0	**3.5**	1.0	**13**	2.0	**11**	2.0	**29**	10	**6.1**	1.0	**64**	5.0	**37**	10
Hexachlorobutadiene	0.5	< 0.5	0.5	< 5.0	5.0	< 4.0	4.0	< 2.5	2.5	< 1.0	1.0	< 0.50	0.50	< 1.0	1.0	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 2.0	2.0	< 0.50	0.50	< 1.0	1.0	< 2.0	2.0
Isopropylbenzene	5	**57**	2.0	**77**	5.0	**63**	20	**40**	5.0	**25**	5.0	**11**	2.0	**12**	5.0	**3**	1.0	**24**	2.0	**11**	2.0	**36**	10	**12**	1.0	**59**	5.0	**52**	10
m&p-Xylenes	5	**210**	20	**170**	5.0	**210**	20	**99**	5.0	**6.1**	5.0	**8.3**	2.0	**9.5**	5.0	**3.4**	1.0	**1**	2.0	**8.3**	2.0	**23**	10	**9.7**	1.0	**65**	5.0	**56**	10
Methyl Ethyl Ketone (2-Butanone)		< 5.0	5.0	< 13	13	< 50	50	< 13	13	< 13	13	< 5.0	5.0	< 13	13	< 2.5	2.5	< 5.0	5.0	< 5.0	5.0	< 25	25	< 2.5	2.5	< 13	13	< 25	25
Methyl t-butyl ether (MTBE)	10	< 2.0	2.0	< 5.0	5.0	< 20	20	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 10	10	< 1.0	1.0	< 5.0	5.0	< 10	10
Methylene chloride	5	< 5.0	5.0	< 15	15	< 20	20	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 3.0	3.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 3.0	3.0	< 5.0	5.0	< 5.0	5.0
Naphthalene	10	**160**	20	**130**	5.0	**180**	20	**120**	5.0	**44**	5.0	**15**	2.0	**39**	5.0	**7.8**	1.0	**54**	10	**15**	2.0	**77**	10	**29**	1.0	**130**	20	**180**	10
n-Butylbenzene	5	**16**	2.0	**22**	5.0	**23**	20	**13**	5.0	**9.3**	5.0	**0.8**	2.0	**3**	5.0	**0.85**	1.0	**8.8**	2.0	**0.8**	2.0	**6.3**	5.0	**2.8**	1.0	**14**	5.0	**13**	10
n-Propylbenzene	5	**100**	20	**110**	5.0	**98**	20	**61**	5.0	**37**	5.0	**8.3**	2.0	**13**	5.0	**4.6**	1.0	**35**	2.0	**8.3**	2.0	**46**	10	**12**	1.0	**86**	5.0	**83**	10
o-Xylene	5	**23**	2.0	**30**	5.0	**9.7**	20	**5**	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
p-Isopropyltoluene		**16**	2.0	**19**	5.0	**17**	20	**9**	5.0	< 5.0	5.0	**0.5**	2.0	**1.4**	5.0	**0.39**	1.0	**3**	2.0	**0.5**	2.0	< 5.0	5.0	**0.26**	1.0	**6.3**	5.0	**3.6**	5.0
sec-Butylbenzene	5	**25**	2.0	**30**	5.0	**33**	20	**24**	5.0	**16**	5.0	**2.8**	2.0	**4.2**	5.0	**1.2**	1.0	**14**	2.0	**2.8**	2.0	**12**	10	**10**	1.0	**20**	5.0	**18**	10
Styrene	5	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
tert-butyl alcohol		-	-	-	-	-	-	-	-	-	-	< 100	100	< 250	250	< 50	50	<100	100	< 100	100	< 50	50	< 50	50	< 250	250	< 500	500
tert-Butylbenzene	5	**6.8**	2.0	**8.8**	5.0	**8**	20	**6.9**	5.0	**4.6**	5.0	**1.5**	2.0	**1.5**	5.0	**0.34**	1.0	**4**	2.0	**1.5**	2.0	**4.3**	5.0	**3.4**	1.0	**6.3**	5.0	**5.3**	5.0
Tetrachloroethene	5	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
Tetrahydrofuran (THF)		< 10	10	< 25	25	< 50	50	< 25	25	< 25	25	< 10	10	< 25	25	< 5.0	5.0	< 10	10	< 10	10	< 50	50	< 5.0	5.0	< 25	25	< 50	50
Toluene	5	**16**	2.0	**15**	5.0	**15**	20	**6.6**	5.0	< 5.0	5.0	**0.52**	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	**0.52**	2.0	< 5.0	5.0	**0.44**	1.0	**2.1**	5.0	< 5.0	5.0
trans-1,2-Dichloroethene	5	**1.2**	5.0	**1.4**	25	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
trans-1,3-Dichloropropene	0.4	< 0.4	0.4	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0	< 1.3	1.3	< 0.50	0.50	< 1.3	1.3	< 0.40	0.40	< 0.50	0.50	< 0.50	0.50	< 2.5	2.5	< 0.40	0.40	< 1.3	1.3	< 2.5	2.5
trans-1,4-dichloro-2-butene	5	< 5.0	5.0	< 13	13	< 40	40	< 13	13	< 13	13	< 5.0	5.0	< 13	13	< 2.5	2.5	< 5.0	5.0	< 5.0	5.0	< 25	25	< 2.5	2.5	< 13	13	< 25	25
Trichloroethene	5	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
Trichlorofluoromethane	5	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
Trichlorotrifluoroethane		< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 2.0	2.0	< 2.0	2.0	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
Vinyl Chloride	2	**15**	2.0	**49**	5.0	**5.1**	20	**1.3**	5.0	< 2.0	2.0	**0.87**	2.0	< 2.0	2.0	< 1.0	1.0	< 2.0	2.0	**0.87**	2.0	< 2.5	2.5	< 1.0	1.0	< 2.0	2.0	< 2.5	2.5
CVOCs		**23.00**		**108.40**		**5.10**		**1.30**		**1.80**		**1.56**		**0.00**		**0.00**		**0.00**		**1.56**		**0.00**		**0.00**		**0.00**		**0.00**	
PVOCs		**1524.60**		**1294.70**		**1671.10**		**998.50**		**318.40**		**125.62**		**214.20**		**61.73**		**329.60**		**125.62**		**461.00**		**155.34**		**973.70**		**1025.90**	
Total VOCs		**1547.60**		**1403.10**		**1676.20**		**999.80**		**320.20**		**127.18**		**214.20**		**61.73**		**329.60**		**127.18**		**461.00**		**155.34**		**973.70**		**1025.90**	

Notes:

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 2E

UFI 129-09 Jamaica Avenue, Richmond Hill, New York
Groundwater Analytical Results
Volatile Organic Compounds
MW1206

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1206 6/25/2015 µg/L Result	RL	MW1206 9/16/2015 µg/L Result	RL	MW1206 1/16/2016 µg/L Result	RL	MW1206 3/22/2016 µg/L Result	RL	MW1206 6/9/2016 µg/L Result	RL
1,1,1,2-Tetrachlorothane	5	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
1,1,1-Trichloroethane	5	< 5.0	5.0	< 50	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	5	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
1,1,2-Trichloroethane	1	< 1.0	1.0	< 10	10	< 1.3	1.3	< 1.0	1.0	< 1.3	1.3
1,1-Dichloroethane	5	< 5.0	5.0	< 50	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1-Dichloroethene	5	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
1,1-Dichloropropene		< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
1,2,3-Trichlorobenzene		< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
1,2,3-Trichloropropane	0.04	< 2.0	2.0	< 10	10	< 1.3	1.3	< 1.0	1.0	< 1.3	1.3
1,2,4-Trichlorobenzene		< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
1,2,4-Trimethylbenzene	5	**180**	40	**160**	10	**160**	20	**130**	5.0	**220**	40
1,2-Dibromo-3-chloropropane	0.04	< 2.0	2.0	< 10	10	< 2.5	2.5	< 1.0	1.0	< 2.5	2.5
1,2-Dibromoethane		< 2.0	2.0	< 10	10	< 1.3	1.3	< 1.0	1.0	< 1.3	1.3
1,2-Dichlorobenzene	5	< 2.0	2.0	< 10	10	< 2.5	2.5	< 2.0	2.0	< 1.3	1.3
1,2-Dichloroethane	0.6	< 0.6	0.6	< 6.0	6.0	< 1.3	1.3	< 0.60	0.60	< 2.5	2.5
1,2-Dichloropropane	0.94	< 1.0	1.0	< 10	10	< 1.3	1.3	< 1.0	1.0	< 1.3	1.3
1,3,5-Trimethylbenzene	5	**18**	2.0	**10**	10	**20**	5.0	**15**	5.0	**24**	5.0
1,3-Dichlorobenzene	5	< 2.0	2.0	< 10	10	< 2.5	2.5	< 2.0	2.0	< 1.3	1.3
1,3-Dichloropropane	5	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
1,4-Dichlorobenzene	5	< 2.0	2.0	< 10	10	< 2.5	2.5	< 2.0	2.0	< 5.0	5.0
1,4-Dioxane		-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	5	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
2-Chlorotoluene	5	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
2-Hexanone (Methyl Butyl Ketone)		< 5.0	5.0	< 25	25	< 13	13	< 5.0	5.0	< 13	13
2-Isopropyltoluene	5	**7.2**	2.0	**8**	10	**9.3**	5.0	**5.5**	5.0	**5.7**	5.0
4-Chlorotoluene	5	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
4-Methyl-2-Pentanone		< 5.0	5.0	< 25	25	< 13	13	< 5.0	5.0	< 13	13
Acetone		< 10	10	< 50	50	< 25	25	< 10	10	< 25	25
Acrolein		< 5.0	5.0	< 50	50	< 13	13	< 5.0	5.0	< 13	13
Acrylonitrile	5	< 5.0	5.0	< 50	50	< 13	13	< 5.0	5.0	< 13	13
Benzene	1	< 0.7	0.7	< 7.0	7.0	< 1.3	1.3	< 0.70	0.70	< 1.3	1.3
Bromobenzene	5	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
Bromochloromethane	5	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
Bromodichloromethane		< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
Bromoform		< 10	10	< 50	50	< 25	25	< 10	10	< 25	25
Bromomethane	5	< 5.0	5.0	< 50	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide	60	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
Carbon tetrachloride	5	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
Chlorobenzene	5	< 5.0	5.0	< 50	50	< 5.0	5.0	< 5.0	5.0	< 1.3	1.3
Chloroethane	5	< 5.0	5.0	< 50	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroform	7	< 7.0	7.0	< 50	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloromethane	60	**0.57**	5.0	< 50	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	5	**1.7**	2.0	< 10	10	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,3-Dichloropropene		< 0.4	0.4	< 4.0	4.0	< 1.3	1.3	< 0.40	0.40	< 1.3	1.3
Dibromochloromethane		< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
Dibromomethane	5	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
Dichlorodifluoromethane	5	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
Ethylbenzene	5	**5.9**	2.0	**6.8**	10	**11**	5.0	**8.8**	5.0	**16**	5.0
Hexachlorobutadiene	0.5	< 0.5	0.5	< 10	10	< 1.0	1.0	< 0.50	0.50	< 1.0	1.0
Isopropylbenzene	5	**11**	2.0	**14**	10	**16**	5.0	**14**	5.0	**20**	5.0
m&p-Xylenes	5	**8.8**	2.0	**6**	10	**9.2**	5.0	**7.8**	5.0	**10**	5.0
Methyl Ethyl Ketone (2-Butanone)		< 5.0	5.0	< 25	25	< 13	13	< 5.0	5.0	< 13	13
Methyl t-butyl ether (MTBE)	10	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
Methylene chloride	5	< 5.0	5.0	< 30	30	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Naphthalene	10	**16**	2.0	**14**	10	**30**	5.0	**20**	5.0	**54**	5.0
n-Butylbenzene	5	**10**	2.0	**13**	10	**15**	5.0	**4.4**	5.0	**4**	5.0
n-Propylbenzene	5	**23**	2.0	**25**	10	**26**	5.0	**18**	5.0	**26**	5.0
o-Xylene	5	**2.4**	2.0	**5.5**	10	**8.8**	5.0	**7.5**	5.0	**13**	5.0
p-Isopropyltoluene		**7**	2.0	**7.5**	10	**7.8**	5.0	**3.5**	5.0	**3**	5.0
sec-Butylbenzene	5	**18**	2.0	**25**	10	**21**	5.0	**10**	5.0	**10**	5.0
Styrene	5	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
tert-butyl alcohol		-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	5	**4.5**	2.0	**6.8**	10	**6.9**	5.0	**4.9**	5.0	**4.1**	5.0
Tetrachloroethene	5	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
Tetrahydrofuran (THF)		< 10	10	< 50	50	< 25	25	< 10	10	< 25	25
Toluene	5	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
trans-1,2-Dichloroethene	5	< 5.0	5.0	< 50	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
trans-1,3-Dichloropropene	0.4	< 0.4	0.4	< 4.0	4.0	< 1.3	1.3	< 0.40	0.40	< 1.3	1.3
trans-1,4-dichloro-2-butene	5	< 5.0	5.0	< 25	25	< 5.0	5.0	< 5.0	5.0	< 13	13
Trichloroethene	5	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
Trichlorofluoromethane	5	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
Trichlorotrifluoroethane		< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 5.0	5.0
Vinyl Chloride	2	< 2.0	2.0	< 10	10	< 2.0	2.0	< 5.0	5.0	< 2.0	2.0
CVOCs		**2.27**		**0.00**		**0.00**		**0.00**		**0.00**	
PVOCs		**311.80**		**301.60**		**341.00**		**249.40**		**409.80**	
Total VOCs		**314.07**		**301.60**		**341.00**		**249.40**		**409.80**	

Compound	MW1206 12/28/2016 µg/L Result	RL	MW1206 3/10/2017 µg/L Result	RL	MW1206 6/21/2017 µg/L Result	RL	MW1206 9/21/2017 µg/L Result	RL	MW1206 12/29/2017 µg/L Result	RL
1,1,1,2-Tetrachlorothane	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
1,1,1-Trichloroethane	< 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	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
1,1,2-Trichloroethane	< 1.0	1.0	< 2.5	2.5	< 1.3	1.3	< 1.0	1.0	< 1.0	1.0
1,1-Dichloroethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1-Dichloroethene	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
1,1-Dichloropropene	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
1,2,3-Trichlorobenzene	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
1,2,3-Trichloropropane	< 0.50	0.50	< 2.5	2.5	< 1.3	1.3	< 0.50	0.50	< 0.25	0.25
1,2,4-Trichlorobenzene	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
1,2,4-Trimethylbenzene	**36**	2.0	**180**	5.0	**100**	5.0	**20**	2.0	**0.34**	1.0
1,2-Dibromo-3-chloropropane	< 1.0	1.0	< 5.0	5.0	< 2.5	2.5	< 1.0	1.0	< 0.50	0.50
1,2-Dibromoethane	< 0.50	0.50	< 2.5	2.5	< 1.3	1.3	< 0.50	0.50	< 0.25	0.25
1,2-Dichlorobenzene	< 2.0	2.0	< 4.7	4.7	< 4.7	4.7	< 2.0	2.0	< 1.0	1.0
1,2-Dichloroethane	< 1.0	1.0	< 5.0	5.0	< 2.5	2.5	< 1.0	1.0	< 0.60	0.60
1,2-Dichloropropane	< 1.0	1.0	< 2.5	2.5	< 1.3	1.3	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	**1.6**	2.0	**9.7**	5.0	**4.9**	5.0	**0.51**	2.0	< 1.0	1.0
1,3-Dichlorobenzene	< 2.0	2.0	< 3.0	3.0	< 3.0	3.0	< 2.0	2.0	< 1.0	1.0
1,3-Dichloropropane	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
1,4-Dichlorobenzene	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
1,4-Dioxane	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
2-Chlorotoluene	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
2-Hexanone (Methyl Butyl Ketone)	< 5.0	5.0	< 25	25	< 13	13	< 5.0	5.0	< 2.5	2.5
2-Isopropyltoluene	**3**	2.0	**6.8**	5.0	**6.2**	5.0	**1.9**	2.0	< 1.0	1.0
4-Chlorotoluene	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
4-Methyl-2-Pentanone	< 5.0	5.0	< 25	25	< 13	13	< 5.0	5.0	< 2.5	2.5
Acetone	< 10	10	< 50	50	< 25	25	< 10	10	< 5.0	5.0
Acrolein	< 5.0	5.0	< 25	25	< 13	13	< 5.0	5.0	< 5.0	5.0
Acrylonitrile	< 5.0	5.0	< 25	25	< 13	13	< 5.0	5.0	< 5.0	5.0
Benzene	< 0.70	0.70	< 2.5	2.5	< 1.3	1.3	< 0.70	0.70	< 0.70	0.70
Bromobenzene	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
Bromochloromethane	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
Bromodichloromethane	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
Bromoform	< 10	10	< 50	50	< 25	25	< 10	10	< 5.0	5.0
Bromomethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
Carbon tetrachloride	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
Chlorobenzene	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroform	< 7.0	7.0	< 7.0	7.0	< 7.0	7.0	< 7.0	7.0	**0.85**	5.0
Chloromethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	**0.55**	2.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
cis-1,3-Dichloropropene	< 0.50	0.50	< 2.5	2.5	< 1.3	1.3	< 0.50	0.50	< 0.40	0.40
Dibromochloromethane	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
Dibromomethane	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
Dichlorodifluoromethane	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
Ethylbenzene	**4.2**	2.0	**21**	5.0	**12**	5.0	**1.4**	2.0	< 1.0	1.0
Hexachlorobutadiene	< 0.50	0.50	< 2.0	2.0	< 1.0	1.0	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	**5.4**	2.0	**24**	5.0	**25**	5.0	**3.2**	2.0	< 1.0	1.0
m&p-Xylenes	**0.51**	2.0	**3.4**	10	**2**	5.0	< 2.0	2.0	< 1.0	1.0
Methyl Ethyl Ketone (2-Butanone)	< 5.0	5.0	< 25	25	< 13	13	< 5.0	5.0	< 2.5	2.5
Methyl t-butyl ether (MTBE)	< 2.0	2.0	< 10	10	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
Methylene chloride	< 5.0	5.0	< 10	10	< 5.0	5.0	< 5.0	5.0	< 3.0	3.0
Naphthalene	**8.3**	2.0	**59**	10	**20**	5.0	**4.5**	2.0	< 1.0	1.0
n-Butylbenzene	**3.3**	2.0	**9.8**	5.0	**8.4**	5.0	**1.4**	2.0	< 1.0	1.0
n-Propylbenzene	**6.9**	2.0	**31**	5.0	**29**	5.0	**4.1**	2.0	< 1.0	1.0
o-Xylene	**0.76**	2.0	**4.9**	5.0	**2**	5.0	< 2.0	2.0	< 1.0	1.0
p-Isopropyltoluene	**1.3**	2.0	**4.6**	5.0	**2.7**	5.0	**0.57**	2.0	< 1.0	1.0
sec-Butylbenzene	**6.3**	2.0	**16**	5.0	**16**	5.0	**2.6**	2.0	< 1.0	1.0
Styrene	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
tert-butyl alcohol	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	**3.7**	2.0	**6.7**	5.0	**6.3**	5.0	**1.9**	2.0	< 1.0	1.0
Tetrachloroethene	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
Tetrahydrofuran (THF)	< 10	10	< 50	50	< 25	25	< 10	10	< 5.0	5.0
Toluene	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
trans-1,2-Dichloroethene	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
trans-1,3-Dichloropropene	< 0.50	0.50	< 2.5	2.5	< 1.3	1.3	< 0.50	0.50	< 0.40	0.40
trans-1,4-dichloro-2-butene	< 5.0	5.0	< 25	25	< 13	13	< 5.0	5.0	< 2.5	2.5
Trichloroethene	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
Trichlorofluoromethane	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
Trichlorotrifluoroethane	< 2.0	2.0	< 5.0	5.0	< 5.0	5.0	< 2.0	2.0	< 1.0	1.0
Vinyl Chloride	< 2.0	2.0	< 2.5	2.5	< 2.0	2.0	< 2.0	2.0	< 1.0	1.0
CVOCs	**0.55**		**0.00**		**0.00**		**0.00**		**0.85**	
PVOCs	**81.27**		**376.90**		**234.50**		**42.08**		**0.34**	
Total VOCs	**81.82**		**376.90**		**234.50**		**42.08**		**1.19**	

Compound	MW1206 3/27/2018 µg/L Result	RL	MW1206 6/28/2018 µg/L Result	RL	MW1206 9/26/2018 µg/L Result	RL	MW1206 12/27/2018 µg/L Result	RL	MW1206 3/27/2018 µg/L Result	RL
1,1,1,2-Tetrachlorothane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-Dichloroethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1-Dichloroethene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-Dichloropropene	< 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
1,2,3-Trichloropropane	< 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
1,2,4-Trimethylbenzene	**18**	1.0	**4.3**	1.0	**8.1**	1.0	**0.96**	1.0	**18**	1.0
1,2-Dibromo-3-chloropropane	< 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
1,2-Dichlorobenzene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dichloroethane	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60
1,2-Dichloropropane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	**0.5**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**0.5**	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
1,3-Dichloropropane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-Dichlorobenzene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-Dioxane	< 100	100	< 100	100	< 100	100	<100	100	< 100	100
2,2-Dichloropropane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	< 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-Isopropyltoluene	**2.7**	1.0	**2.2**	1.0	**2.5**	1.0	**1.9**	1.0	**2.7**	1.0
4-Chlorotoluene	< 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
Acetone	**4**	5.0	**3.8**	5.0	**4.1**	5.0	< 5.0	5.0	**4**	5.0
Acrolein	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Acrylonitrile	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	<5.0	5.0	< 5.0	5.0
Benzene	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70
Bromobenzene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromodichloromethane	< 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
Bromomethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Carbon tetrachloride	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroform	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloromethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	< 1.0	1.0	**0.35**	1.0	**0.34**	1.0	**0.27**	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
Dibromochloromethane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dibromomethane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	**2.9**	1.0	**0.98**	1.0	**0.75**	1.0	< 1.0	1.0	**2.9**	1.0
Hexachlorobutadiene	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	**7.1**	1.0	**6.2**	1.0	**5.5**	1.0	**1.8**	1.0	**7.1**	1.0
m&p-Xylenes	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methyl Ethyl Ketone (2-Butanone)	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Methyl t-butyl ether (MTBE)	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methylene chloride	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0
Naphthalene	**7.1**	1.0	**7.4**	1.0	**8.1**	1.0	**1.3**	1.0	**7.1**	1.0
n-Butylbenzene	**0.58**	1.0	**0.35**	1.0	**0.36**	1.0	< 1.0	1.0	**0.58**	1.0
n-Propylbenzene	**5.2**	1.0	**3.3**	1.0	**3.7**	1.0	**0.89**	1.0	**5.2**	1.0
o-Xylene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
p-Isopropyltoluene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
sec-Butylbenzene	**3.2**	1.0	**2.5**	1.0	**3.2**	1.0	**1.8**	1.0	**3.2**	1.0
Styrene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
tert-butyl alcohol	< 50	50	< 50	50	< 50	50	<50	50	< 50	50
tert-Butylbenzene	**2.9**	1.0	**2.2**	1.0	**2.6**	1.0	**2.6**	1.0	**2.9**	1.0
Tetrachloroethene	< 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
Toluene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
trans-1,2-Dichloroethene	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
trans-1,3-Dichloropropene	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Trichloroethene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorofluoromethane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorotrifluoroethane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Vinyl Chloride	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
CVOCs	**0.00**		**0.35**		**0.34**		**0.27**		**0.00**	
PVOCs	**54.18**		**33.23**		**38.91**		**11.25**		**54.18**	
Total VOCs	**54.18**		**33.58**		**39.25**		**11.52**		**54.18**	

Compound	MW1206 6/26/2019 µg/L Result	RL	MW1206 9/27/2019 µg/L Result	RL	MW1206 6/17/2020 µg/L Result	RL	MW1206 1/5/2021 µg/L Result	RL
1,1,1,2-Tetrachlorothane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
1,1,1-Trichloroethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
1,1,2-Trichloroethane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-Dichloroethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1-Dichloroethene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
1,1-Dichloropropene	< 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	< 2.0	2.0
1,2,3-Trichloropropane	< 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	< 2.0	2.0
1,2,4-Trimethylbenzene	**1.6**	1.0	**1.4**	1.0	**3.4**	1.0	< 2.0	2.0
1,2-Dibromo-3-chloropropane	< 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	< 0.50	0.50
1,2-Dichlorobenzene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
1,2-Dichloroethane	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 1.0	1.0
1,2-Dichloropropane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
1,3-Dichlorobenzene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
1,3-Dichloropropane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
1,4-Dichlorobenzene	< 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	< 200	200
2,2-Dichloropropane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
2-Chlorotoluene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
2-Hexanone (Methyl Butyl Ketone)	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 5.0	5.0
2-Isopropyltoluene	**1.8**	1.0	**2.3**	1.0	**2**	1.0	**0.56**	2.0
4-Chlorotoluene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
4-Methyl-2-Pentanone	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 5.0	5.0
Acetone	**3.6**	5.0	< 5.0	5.0	**4.6**	5.0	< 10	10
Acrolein	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Acrylonitrile	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Benzene	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70
Bromobenzene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
Bromochloromethane	< 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	< 2.0	2.0
Bromoform	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 10	10
Bromomethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
Carbon tetrachloride	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
Chlorobenzene	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroethane	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroform	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 7.0	7.0
Chloromethane	< 5.0	5.0	**0.65**	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	**0.29**	1.0	**0.33**	1.0	**0.25**	1.0	< 2.0	2.0
cis-1,3-Dichloropropene	< 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	< 2.0	2.0
Dibromomethane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
Dichlorodifluoromethane	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
Ethylbenzene	**0.45**	1.0	**0.39**	1.0	**1.7**	1.0	< 2.0	2.0
Hexachlorobutadiene	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	**3.7**	1.0	**5.4**	1.0	**5.4**	1.0	< 2.0	2.0
m&p-Xylenes	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
Methyl Ethyl Ketone (2-Butanone)	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 5.0	5.0
Methyl t-butyl ether (MTBE)	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
Methylene chloride	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 5.0	5.0
Naphthalene	**8.9**	1.0	**12**	1.0	**20**	1.0	< 2.0	2.0
n-Butylbenzene	< 1.0	1.0	**0.29**	1.0	**0.25**	1.0	< 2.0	2.0
n-Propylbenzene	**3.4**	1.0	**5**	1.0	**5.5**	1.0	< 2.0	2.0
o-Xylene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
p-Isopropyltoluene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
sec-Butylbenzene	**1.2**	1.0	**1.6**	1.0	**1.6**	1.0	< 2.0	2.0
Styrene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
tert-butyl alcohol	< 50	50	< 50	50	< 50	50	< 100	100
tert-Butylbenzene	**2.1**	1.0	**2.4**	1.0	**2**	1.0	**0.61**	2.0
Tetrachloroethene	< 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	< 10	10
Toluene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
trans-1,2-Dichloroethene	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
trans-1,3-Dichloropropene	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.50	0.50
trans-1,4-dichloro-2-butene	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 5.0	5.0
Trichloroethene	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
Trichlorofluoromethane	< 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	< 2.0	2.0
Vinyl Chloride	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 2.0	2.0
CVOCs	**0.29**		**0.98**		**0.25**		**0.00**	
PVOCs	**26.75**		**30.78**		**46.45**		**1.17**	
Total VOCs	**27.04**		**31.76**		**46.70**		**1.17**	

Notes:

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 2F

UFI 129-09 Jamaica Avenue, Richmond Hill, New York
Groundwater Analytical Results
Volatile Organic Compounds
MW1207

Compound	NYSDEC Groundwater Quality Standards	MW1207 3/30/2015 µg/L		MW1207 9/16/2015 µg/L		MW1207 1/16/2016 µg/L		MW1207 3/22/2016 µg/L		MW1207 6/9/2016 µg/L		MW1207 9/27/2016 µg/L	
	µg/L	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane	5	< 5.0	5.0	< 20	20	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
1,1,1-Trichloroethane	5	< 5.0	5.0	< 100	100	< 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	< 20	20	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
1,1,2-Trichloroethane	1	< 5.0	5.0	< 20	20	< 5.0	5.0	< 1.0	1.0	< 1.3	1.3	< 5.0	5.0
1,1-Dichloroethane	5	< 5.0	5.0	< 100	100	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1-Dichloroethene	5	< 5.0	5.0	< 20	20	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
1,1-Dichloropropene		< 5.0	5.0	< 20	20	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
1,2,3-Trichlorobenzene		< 10	10	< 20	20	< 20	20	< 1.0	1.0	< 5.0	5.0	< 20	20
1,2,3-Trichloropropane	0.04	< 5.0	5.0	< 20	20	< 5.0	5.0	< 1.0	1.0	< 1.3	1.3	< 20	20
1,2,4-Trichlorobenzene		< 10	10	< 20	20	< 20	20	< 1.0	1.0	< 5.0	5.0	< 20	20
1,2,4-Trimethylbenzene	5	**120**	5.0	**570**	20	**350**	20	< 1.0	1.0	**480**	40	**230**	20
1,2-Dibromo-3-chloropropane	0.04	< 5.0	5.0	< 20	20	< 10	10	< 1.0	1.0	< 2.5	2.5	< 20	20
1,2-Dibromoethane		< 5.0	5.0	< 20	20	< 5.0	5.0	< 1.0	1.0	< 1.3	1.3	< 20	20
1,2-Dichlorobenzene	5	< 4.7	4.7	< 20	20	< 5.0	5.0	< 1.0	1.0	< 1.3	1.3	< 5.0	5.0
1,2-Dichloroethane	0.6	< 5.0	5.0	< 12	12	< 5.0	5.0	< 0.60	0.60	< 2.5	2.5	< 12	12
1,2-Dichloropropane	0.94	< 5.0	5.0	< 20	20	< 5.0	5.0	< 1.0	1.0	< 1.3	1.3	< 5.0	5.0
1,3,5-Trimethylbenzene	5	**27**	5.0	**230**	20	**32**	20	< 1.0	1.0	**11**	5.0	**13**	20
1,3-Dichlorobenzene	5	< 3.0	3.0	< 20	20	< 5.0	5.0	< 1.0	1.0	< 1.3	1.3	< 5.0	5.0
1,3-Dichloropropane	5	< 5.0	5.0	< 20	20	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
1,4-Dichlorobenzene	5	< 5.0	5.0	< 20	20	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
1,4-Dioxane		-	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	5	< 5.0	5.0	< 20	20	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
2-Chlorotoluene	5	< 5.0	5.0	< 20	20	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
2-Hexanone (Methyl Butyl Ketone)		< 25	25	< 50	50	< 50	50	< 2.5	2.5	< 13	13	< 50	50
2-Isopropyltoluene	5	**19**	5.0	**37**	20	**24**	20	< 1.0	1.0	**25**	5.0	**20**	20
4-Chlorotoluene	5	< 5.0	5.0	< 20	20	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
4-Methyl-2-Pentanone		< 25	25	< 50	50	< 50	50	< 2.5	2.5	< 13	13	< 50	50
Acetone		< 50	50	< 100	100	< 50	50	**4.1**	5.0	< 25	25	< 50	50
Acrolein		< 25	25	< 100	100	< 50	50	< 5.0	5.0	< 13	13	< 50	50
Acrylonitrile	5	< 25	25	< 100	100	< 50	50	< 5.0	5.0	< 13	13	< 50	50
Benzene	1	< 5.0	5.0	< 14	14	< 5.0	5.0	< 0.70	0.70	< 1.3	1.3	< 14	14
Bromobenzene	5	< 5.0	5.0	< 20	20	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
Bromochloromethane	5	< 5.0	5.0	< 20	20	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
Bromodichloromethane		< 10	10	< 20	20	< 20	20	< 1.0	1.0	< 5.0	5.0	< 20	20
Bromoform		< 50	50	< 100	100	< 5.0	5.0	< 5.0	5.0	< 25	25	< 50	50
Bromomethane	5	< 5.0	5.0	< 100	100	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide	60	< 10	10	< 20	20	< 50	50	< 1.0	1.0	< 5.0	5.0	< 20	20
Carbon tetrachloride	5	< 5.0	5.0	< 20	20	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
Chlorobenzene	5	< 5.0	5.0	< 100	100	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroethane	5	< 5.0	5.0	**8**	100	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroform	7	< 5.0	5.0	< 100	100	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloromethane	60	< 5.0	5.0	< 100	100	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	5	**81**	5.0	**110**	20	**190**	20	**0.27**	1.0	**250**	40	**110**	20
cis-1,3-Dichloropropene		< 5.0	5.0	< 8.0	8.0	< 5.0	5.0	< 0.40	0.40	< 1.3	1.3	< 8.0	8.0
Dibromochloromethane		< 10	10	< 20	20	< 20	20	< 1.0	1.0	< 5.0	5.0	< 20	20
Dibromomethane	5	< 5.0	5.0	< 20	20	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
Dichlorodifluoromethane	5	< 5.0	5.0	< 20	20	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
Ethylbenzene	5	**8.6**	5.0	**10**	20	**14**	20	< 1.0	1.0	**29**	5.0	**17**	20
Hexachlorobutadiene	0.5	< 5.0	5.0	< 20	20	< 4.0	4.0	< 0.50	0.50	< 1.0	1.0	< 10	10
Isopropylbenzene	5	**36**	5.0	**50**	20	**51**	20	< 1.0	1.0	**62**	5.0	**38**	20
m&p-Xylenes	5	**8.3**	5.0	**76**	20	**10**	20	< 1.0	1.0	**16**	5.0	**13**	20
Methyl Ethyl Ketone (2-Butanone)		< 25	25	< 50	50	< 50	50	< 2.5	2.5	**24**	13	< 50	50
Methyl t-butyl ether (MTBE)	10	< 5.0	5.0	< 20	20	< 20	20	< 1.0	1.0	< 5.0	5.0	< 20	20
Methylene chloride	5	< 5.0	5.0	< 60	60	< 20	20	< 3.0	3.0	< 5.0	5.0	< 20	20
Naphthalene	10	**13**	10	**100**	20	**37**	20	< 1.0	1.0	**35**	5.0	**29**	20
n-Butylbenzene	5	**11**	5.0	< 20	20	**20**	20	< 1.0	1.0	**21**	5.0	**13**	20
n-Propylbenzene	5	**22**	5.0	**27**	20	**52**	20	< 1.0	1.0	**73**	5.0	**38**	20
o-Xylene	5	**16**	5.0	**130**	20	**38**	20	< 1.0	1.0	**110**	5.0	**51**	20
p-Isopropyltoluene		**9.9**	5.0	**56**	20	**26**	20	< 1.0	1.0	**25**	5.0	**14**	20
sec-Butylbenzene	5	**32**	5.0	**45**	20	**41**	20	< 1.0	1.0	**38**	5.0	**30**	20
Styrene	5	< 5.0	5.0	< 20	20	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
tert-butyl alcohol		-	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	5	**11**	5.0	**17**	20	**13**	20	< 1.0	1.0	**12**	5.0	**10**	20
Tetrachloroethene	5	< 5.0	5.0	< 20	20	< 5.0	5.0	**2.9**	1.0	< 5.0	5.0	< 5.0	5.0
Tetrahydrofuran (THF)		< 50	50	< 100	100	< 50	50	< 5.0	5.0	< 25	25	< 50	50
Toluene	5	< 5.0	5.0	< 20	20	< 5.0	5.0	< 1.0	1.0	**1.5**	5.0	< 5.0	5.0
trans-1,2-Dichloroethene	5	< 5.0	5.0	< 100	100	< 5.0	5.0	< 5.0	5.0	**2.1**	5	< 5.0	5.0
trans-1,3-Dichloropropene	0.4	< 5.0	5.0	< 8.0	8.0	< 5.0	5.0	< 0.40	0.40	< 1.3	1.3	< 8.0	8.0
trans-1,4-dichloro-2-butene	5	< 25	25	< 50	50	< 50	50	< 2.5	2.5	< 13	13	< 50	50
Trichloroethene	5	< 5.0	5.0	< 20	20	< 5.0	5.0	**0.7**	1.0	< 5.0	5.0	< 5.0	5.0
Trichlorofluoromethane	5	< 5.0	5.0	< 20	20	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
Trichlorotrifluoroethane		< 5.0	5.0	< 20	20	< 5.0	5.0	< 1.0	1.0	< 5.0	5.0	< 5.0	5.0
Vinyl Chloride	2	**48**	5.0	**36**	20	**42**	20	< 1.0	1.0	**55**	5.0	**16**	20
CVOCs		129.00		154.00		232.00		3.87		307.10		126.00	
PVOCs		333.80		1348.00		708.00		4.10		962.50		516.00	
Total VOCs		462.80		1502.00		940.00		7.97		1269.60		642.00	

Compound	MW1207 12/28/2016 µg/L		MW1207 3/10/2017 µg/L		MW1207 6/21/2017 µg/L		MW1207 9/21/2017 µg/L		MW1207 12/29/2017 µg/L		MW1207 3/27/2018 µg/L	
	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	< 1.0	1.0	< 5.0	5.0
1,1,1-Trichloroethane	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	< 1.0	1.0	< 5.0	5.0
1,1,2-Trichloroethane	< 5.0	5.0	< 13	13	< 1.3	1.3	< 13	13	< 1.0	1.0	< 5.0	5.0
1,1-Dichloroethane	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0
1,1-Dichloroethene	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	< 1.0	1.0	< 5.0	5.0
1,1-Dichloropropene	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	< 1.0	1.0	< 5.0	5.0
1,2,3-Trichlorobenzene	< 20	20	< 50	50	< 5.0	5.0	< 50	50	< 1.0	1.0	< 20	20
1,2,3-Trichloropropane	< 5.0	5.0	< 13	13	< 1.3	1.3	< 13	13	< 0.25	0.25	< 5.0	5.0
1,2,4-Trichlorobenzene	< 20	20	< 50	50	< 5.0	5.0	< 50	50	< 1.0	1.0	< 20	20
1,2,4-Trimethylbenzene	**420**	5.0	**5,800**	250	**290**	20	**1,100**	50	< 1.0	1.0	**660**	40
1,2-Dibromo-3-chloropropane	< 10	10	< 25	25	< 2.5	2.5	< 25	25	< 0.50	0.50	< 10	10
1,2-Dibromoethane	< 5.0	5.0	< 13	13	< 1.3	1.3	< 13	13	< 0.25	0.25	< 5.0	5.0
1,2-Dichlorobenzene	< 5.0	5.0	< 13	13	< 4.7	4.7	< 13	13	< 1.0	1.0	< 5.0	5.0
1,2-Dichloroethane	< 10	10	< 25	25	< 2.5	2.5	< 25	25	< 0.60	0.60	< 10	10
1,2-Dichloropropane	< 5.0	5.0	< 13	13	< 1.3	1.3	< 13	13	< 1.0	1.0	< 5.0	5.0
1,3,5-Trimethylbenzene	**26**	5.0	**450**	13	**19**	5.0	**120**	50	< 1.0	1.0	**140**	20
1,3-Dichlorobenzene	< 5.0	5.0	< 13	13	< 3.0	3.0	< 13	13	< 1.0	1.0	< 5.0	5.0
1,3-Dichloropropane	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	< 1.0	1.0	< 5.0	5.0
1,4-Dichlorobenzene	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	< 1.0	1.0	< 5.0	5.0
1,4-Dioxane	-	-	-	-	-	-	-	-	-	-	< 2000	2,000
2,2-Dichloropropane	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	< 1.0	1.0	< 5.0	5.0
2-Chlorotoluene	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	< 1.0	1.0	< 5.0	5.0
2-Hexanone (Methyl Butyl Ketone)	< 50	50	< 130	130	< 13	13	< 130	130	< 2.5	2.5	< 50	50
2-Isopropyltoluene	**25**	5.0	**160**	13	**17**	5.0	**21**	50	< 1.0	1.0	**31**	20
4-Chlorotoluene	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	< 1.0	1.0	< 5.0	5.0
4-Methyl-2-Pentanone	< 50	50	< 130	130	< 13	13	< 130	130	< 2.5	2.5	< 50	50
Acetone	< 50	50	< 130	130	< 25	25	< 130	130	< 5.0	5.0	< 50	50
Acrolein	< 50	50	< 130	130	< 13	13	< 130	130	< 5.0	5.0	< 50	50
Acrylonitrile	< 50	50	< 130	130	< 13	13	< 130	130	< 5.0	5.0	< 50	50
Benzene	< 5.0	5.0	< 13	13	< 1.3	1.3	< 13	13	< 0.70	0.70	< 5.0	5.0
Bromobenzene	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	< 1.0	1.0	< 5.0	5.0
Bromochloromethane	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	< 1.0	1.0	< 5.0	5.0
Bromodichloromethane	< 20	20	< 50	50	< 5.0	5.0	< 50	50	< 1.0	1.0	< 20	20
Bromoform	< 50	50	< 50	50	< 25	25	< 50	50	< 5.0	5.0	< 50	50
Bromomethane	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide	< 20	20	< 50	50	< 5.0	5.0	< 50	50	< 1.0	1.0	< 20	20
Carbon tetrachloride	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	< 1.0	1.0	< 5.0	5.0
Chlorobenzene	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0
Chloroethane	< 5.0	5.0	< 13	13	**1.7**	25	< 13	13	< 5.0	5.0	< 5.0	5.0
Chloroform	< 7.0	7.0	< 13	13	< 7.0	7.0	< 13	13	**0.97**	5.0	< 7.0	7.0
Chloromethane	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	**270**	5.0	**170**	13	**140**	5.0	**85**	50	< 1.0	1.0	**32**	20
cis-1,3-Dichloropropene	< 5.0	5.0	< 13	13	< 1.3	1.3	< 13	13	< 0.40	0.40	< 5.0	5.0
Dibromochloromethane	< 20	20	< 50	50	< 5.0	5.0	< 50	50	< 1.0	1.0	< 20	20
Dibromomethane	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	< 1.0	1.0	< 5.0	5.0
Dichlorodifluoromethane	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	< 1.0	1.0	< 5.0	5.0
Ethylbenzene	**38**	5.0	**120**	13	**27**	5.0	**45**	50	< 1.0	1.0	**42**	20
Hexachlorobutadiene	< 4.0	4.0	< 10	10	< 1.0	1.0	< 10	10	< 0.50	0.50	< 4.0	4.0
Isopropylbenzene	**61**	5.0	**310**	13	**56**	5.0	**65**	50	< 1.0	1.0	**81**	20
m&p-Xylenes	**29**	20	**170**	50	**16**	5.0	**72**	50	< 1.0	1.0	**58**	20
Methyl Ethyl Ketone (2-Butanone)	< 50	50	< 130	130	**18**	13	< 130	130	< 2.5	2.5	< 50	50
Methyl t-butyl ether (MTBE)	< 20	20	< 50	50	< 5.0	5.0	< 50	50	< 1.0	1.0	< 20	20
Methylene chloride	< 20	20	< 50	50	< 5.0	5.0	< 50	50	< 3.0	3.0	< 20	20
Naphthalene	**47**	20	**340**	50	**15**	5.0	**110**	50	< 1.0	1.0	**84**	20
n-Butylbenzene	**20**	5.0	**330**	13	**14**	5.0	**30**	50	< 1.0	1.0	**44**	20
n-Propylbenzene	**77**	5.0	**500**	13	**65**	5.0	**110**	50	< 1.0	1.0	**130**	20
o-Xylene	**130**	5.0	**490**	13	**83**	5.0	**210**	50	< 1.0	1.0	**150**	20
p-Isopropyltoluene	**21**	5.0	**290**	13	**14**	5.0	**35**	50	< 1.0	1.0	**48**	20
sec-Butylbenzene	**35**	5.0	**400**	13	**34**	5.0	**41**	50	< 1.0	1.0	**64**	20
Styrene	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	< 1.0	1.0	< 5.0	5.0
tert-butyl alcohol	-	-	-	-	-	-	-	-	-	-	< 1000	1,000
tert-Butylbenzene	**12**	5.0	**91**	13	**11**	5.0	< 13	13	< 1.0	1.0	**17**	20
Tetrachloroethene	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	**1.8**	1.0	< 5.0	5.0
Tetrahydrofuran (THF)	< 50	50	< 130	130	< 25	25	< 130	130	< 5.0	5.0	< 50	50
Toluene	< 5.0	5.0	< 13	13	**2.2**	5.0	< 13	13	< 1.0	1.0	< 5.0	5.0
trans-1,2-Dichloroethene	< 5.0	5.0	< 13	13	**1.3**	25	< 13	13	< 5.0	5.0	< 5.0	5.0
trans-1,3-Dichloropropene	< 5.0	5.0	< 13	13	< 1.3	1.3	< 13	13	< 0.40	0.40	< 5.0	5.0
trans-1,4-dichloro-2-butene	< 50	50	< 130	130	< 13	13	< 130	130	< 2.5	2.5	< 50	50
Trichloroethene	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	**0.38**	1.0	< 5.0	5.0
Trichlorofluoromethane	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	< 1.0	1.0	< 5.0	5.0
Trichlorotrifluoroethane	< 5.0	5.0	< 13	13	< 5.0	5.0	< 13	13	< 1.0	1.0	< 5.0	5.0
Vinyl Chloride	**50**	5.0	**18**	13	**51**	5.0	**26**	50	< 1.0	1.0	**36**	20
CVOCs	320.00		188.00		194.00		111.00		3.15		68.00	
PVOCs	941.00		9451.00		681.20		1959.00		0.00		1549.00	
Total VOCs	1261.00		9639.00		875.20		2070.00		3.15		1617.00	

Compound	MW1207 6/28/2018 µg/L		MW1207 9/26/2018 µg/L		MW1207 12/27/2018 µg/L		MW1207 3/27/2018 µg/L		MW1207 9/17/2020 µg/L		MW1207 1/5/2021 µg/L	
	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
1,1,1-Trichloroethane	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
1,1,2,2-Tetrachloroethane	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
1,1,2-Trichloroethane	< 2.5	2.5	< 1.0	1.0	< 13	13	< 5.0	5.0	< 1.3	1.3	< 63	63
1,1-Dichloroethane	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
1,1-Dichloroethene	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
1,1-Dichloropropene	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
1,2,3-Trichlorobenzene	< 10	10	< 10	10	< 50	50	< 20	20	< 5.0	5.0	< 250	250
1,2,3-Trichloropropane	< 2.5	2.5	< 0.25	0.25	< 13	13	< 5.0	5.0	< 1.3	1.3	< 63	63
1,2,4-Trichlorobenzene	< 10	10	< 10	10	< 50	50	< 20	20	< 5.0	5.0	< 250	250
1,2,4-Trimethylbenzene	**890**	25	**1,300**	100	**550**	50	**660**	40	**92**	5.0	**13,000**	1,000
1,2-Dibromo-3-chloropropane	< 5.0	5.0	< 0.50	0.50	< 25	25	< 10	10	< 2.5	2.5	< 130	130
1,2-Dibromoethane	< 2.5	2.5	< 0.25	0.25	< 13	13	< 5.0	5.0	< 1.3	1.3	< 63	63
1,2-Dichlorobenzene	< 4.7	4.7	< 4.7	4.7	< 13	13	< 5.0	5.0	< 4.7	4.7	< 63	63
1,2-Dichloroethane	< 5.0	5.0	< 0.60	0.60	< 25	25	< 10	10	< 2.5	2.5	< 130	130
1,2-Dichloropropane	< 2.5	2.5	< 1.0	1.0	< 13	13	< 5.0	5.0	< 1.3	1.3	< 63	63
1,3,5-Trimethylbenzene	**190**	5.0	**160**	5.0	**63**	50	**140**	20	**3.5**	5.0	**480**	250
1,3-Dichlorobenzene	< 3.0	3.0	< 3.0	3.0	< 13	13	< 5.0	5.0	< 3.0	3.0	< 63	63
1,3-Dichloropropane	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
1,4-Dichlorobenzene	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
1,4-Dioxane	< 1000	1,000	< 1000	1,000	<5000	5,000	< 2000	2,000	< 500	500	< 25000	25,000
2,2-Dichloropropane	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
2-Chlorotoluene	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
2-Hexanone (Methyl Butyl Ketone)	< 25	25	< 25	25	< 100	100	< 50	50	< 13	13	< 500	500
2-Isopropyltoluene	**39**	5.0	**36**	5.0	**19**	13	**31**	20	**11**	5.0	**430**	250
4-Chlorotoluene	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
4-Methyl-2-Pentanone	< 25	25	< 25	25	< 100	100	< 50	50	< 13	13	< 130	130
Acetone	< 50	50	< 50	50	< 100	100	< 50	50	**280**	50	< 500	500
Acrolein	< 25	25	< 5.0	5.0	< 130	130	< 50	50	< 13	13	< 630	630
Acrylonitrile	< 5.0	5.0	< 5.0	5.0	<13	13	< 50	50	< 5.0	5.0	< 130	130
Benzene	< 2.5	2.5	**0.4**	0.70	< 13	13	< 5.0	5.0	< 1.3	1.3	< 63	63
Bromobenzene	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
Bromochloromethane	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
Bromodichloromethane	< 10	10	< 10	10	< 50	50	< 20	20	< 5.0	5.0	< 63	63
Bromoform	< 50	50	< 50	50	< 50	50	< 50	50	< 25	25	< 63	63
Bromomethane	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
Carbon Disulfide	< 10	10	< 10	10	< 50	50	< 20	20	**4.2**	5.0	< 63	63
Carbon tetrachloride	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
Chlorobenzene	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
Chloroethane	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
Chloroform	< 7.0	7.0	< 7.0	7.0	< 13	13	< 7.0	7.0	< 7.0	7.0	< 63	63
Chloromethane	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
cis-1,2-Dichloroethene	**16**	5.0	**44**	5.0	**17**	13	**32**	20	**5.8**	5.0	< 63	63
cis-1,3-Dichloropropene	< 2.5	2.5	< 0.40	0.40	< 13	13	< 5.0	5.0	< 1.3	1.3	< 63	63
Dibromochloromethane	< 10	10	< 10	10	< 50	50	< 20	20	< 5.0	5.0	< 63	63
Dibromomethane	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
Dichlorodifluoromethane	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
Ethylbenzene	**70**	5.0	**55**	5.0	**29**	13	**42**	20	**10**	5.0	**230**	63
Hexachlorobutadiene	< 2.0	2.0	< 0.50	0.50	< 10	10	< 4.0	4.0	< 1.0	1.0	< 50	50
Isopropylbenzene	**100**	5.0	**96**	5.0	**56**	50	**81**	20	**25**	5.0	**830**	250
m&p-Xylenes	**110**	10	**69**	10	**24**	50	**58**	20	**3.9**	5.0	**140**	250
Methyl Ethyl Ketone (2-Butanone)	< 25	25	< 25	25	< 100	100	< 50	50	**100**	13	< 500	500
Methyl t-butyl ether (MTBE)	< 10	10	< 10	10	< 50	50	< 20	20	< 5.0	5.0	< 250	250
Methylene chloride	< 5.0	5.0	< 5.0	5.0	< 25	25	< 20	20	< 5.0	5.0	< 130	130
Naphthalene	**170**	10	**130**	10	**70**	50	**84**	20	**14**	5.0	**780**	250
n-Butylbenzene	**69**	5.0	**63**	5.0	**32**	13	**44**	20	**20**	5.0	**1,200**	250
n-Propylbenzene	**130**	5.0	**160**	5.0	**86**	50	**130**	20	**45**	5.0	**1,700**	250
o-Xylene	**200**	5.0	**200**	5.0	**100**	50	**150**	20	**20**	5.0	**630**	250
p-Isopropyltoluene	**56**	5.0	**62**	5.0	**24**	13	**48**	20	**14**	5.0	**570**	250
sec-Butylbenzene	**74**	5.0	**74**	5.0	**43**	13	**64**	20	**27**	5.0	**1,200**	250
Styrene	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
tert-butyl alcohol	< 500	500	< 50	50	<2500	2,500	< 1000	1,000	< 250	250	< 13000	13,000
tert-Butylbenzene	**20**	5.0	**21**	5.0	< 13	13	**17**	20	**7.7**	5.0	**260**	250
Tetrachloroethene	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
Tetrahydrofuran (THF)	< 50	50	< 50	50	< 63	63	< 50	50	< 25	25	< 310	310
Toluene	**7.7**	5.0	**4.8**	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
trans-1,2-Dichloroethene	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
trans-1,3-Dichloropropene	< 2.5	2.5	< 0.40	0.40	< 13	13	< 5.0	5.0	< 1.3	1.3	< 63	63
trans-1,4-dichloro-2-butene	< 25	25	< 2.5	2.5	< 130	130	< 50	50	< 13	13	< 630	630
Trichloroethene	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
Trichlorofluoromethane	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
Trichlorotrifluoroethane	< 5.0	5.0	< 5.0	5.0	< 13	13	< 5.0	5.0	< 5.0	5.0	< 63	63
Vinyl Chloride	**12**	2.5	**9.8**	2.5	< 13	13	**36**	20	**4.5**	2.0	< 63	63
CVOCs	28.00		53.80		17.00		68.00		10.30		0.00	
PVOCs	2125.70		2431.20		1096.00		1549.00		677.30		21450.00	
Total VOCs	2153.70		2485.00		1113.00		1617.00		687.60		21450.00	

Notes:

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 2G

UFI 129-09 Jamaica Avenue, Richmond Hill, New York
Groundwater Analytical Results
Volatile Organic Compounds
MW1208

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1208 3/30/2015 µg/L		MW1208 6/25/2015 µg/L		MW1208 9/16/2015 µg/L		MW1208 1/16/2016 µg/L		MW1208 6/9/2016 µg/L		MW1208 9/27/2016 µg/L		MW1208 12/28/2016 µg/L		MW1208 3/10/2017 µg/L		MW1208 6/21/2017 µg/L	
		Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	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	< 1.0	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	< 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	< 1.0	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	< 1.0	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	< 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	< 1.0	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	< 1.0	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	< 1.0	1.0
1,2,3-Trichloropropane	0.04	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 0.25	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	< 1.0	1.0
1,2,4-Trimethylbenzene	5	< 1.0	1.0	**0.43**	1.0	**1.2**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**1.7**	1.0
1,2-Dibromo-3-chloropropane	0.04	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
1,2-Dibromoethane		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 0.25	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	< 1.0	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	< 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	< 1.0	1.0
1,3,5-Trimethylbenzene	5	< 1.0	1.0	< 1.0	1.0	**0.59**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichlorobenzene	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	< 1.0	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	< 1.0	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	< 1.0	1.0
1,4-Dioxane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	< 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	< 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	< 2.5	2.5
2-Isopropyltoluene	5	< 1.0	1.0	< 1.0	1.0	**0.53**	1.0	< 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	< 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	< 2.5	2.5
Acetone		< 5.0	5.0	< 5.0	5.0	**3.7**	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
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	< 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	< 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	< 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	< 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	< 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	< 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	< 5.0	5.0
Bromomethane	5	< 5.0	5.0	< 5.0	5.0	**0.33**	5.0	< 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	**0.59**	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	< 1.0	1.0
Chlorobenzene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
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	< 5.0	5.0
Chloromethane	60	< 5.0	5.0	**0.72**	5.0	**3.8**	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
cis-1,2-Dichloroethene	5	< 1.0	1.0	< 1.0	1.0	**0.35**	1.0	**0.36**	1.0	**0.48**	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	< 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	< 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	< 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	< 1.0	1.0
Ethylbenzene	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	< 1.0	1.0
Hexachlorobutadiene	0.5	< 0.50	0.50	< 0.5	0.5	< 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
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	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
m&p-Xylenes	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	< 1.0	1.0
Methyl Ethyl Ketone (2-Butanone)		< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 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	< 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	< 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	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	**0.26**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Propylbenzene	5	< 1.0	1.0	< 1.0	1.0	**0.35**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	**0.25**	1.0
o-Xylene	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	< 1.0	1.0
p-Isopropyltoluene		< 1.0	1.0	< 1.0	1.0	**0.57**	1.0	< 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	< 1.0	1.0	**0.54**	1.0	< 1.0	1.0	**0.48**	1.0	< 1.0	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	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tert-butyl alcohol		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	< 1.0	1.0
Tetrachloroethene	5	**4.6**	1.0	**4.3**	1.0	**3**	1.0	**2.3**	1.0	**3.3**	1.0	**2.1**	1.0	**2.2**	1.0	**2.7**	1.0	**2.6**	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	< 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	< 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	< 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	< 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	< 2.5	2.5
Trichloroethene	5	**0.79**	1.0	**0.76**	1.0	**0.62**	1.0	**0.57**	1.0	**0.61**	1.0	**0.51**	1.0	**0.6**	1.0	**0.53**	1.0	**0.55**	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	< 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	< 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	< 1.0	1.0
CVOCs		**5.39**		**5.78**		**7.77**		**3.23**		**4.39**		**2.61**		**2.80**		**3.23**		**3.15**	
PVOCs		**0.00**		**0.43**		**8.07**		**0.00**		**0.48**		**0.59**		**0.00**		**0.00**		**1.95**	
Total VOCs		**5.39**		**6.21**		**15.84**		**3.23**		**4.87**		**3.20**		**2.80**		**3.23**		**5.10**	

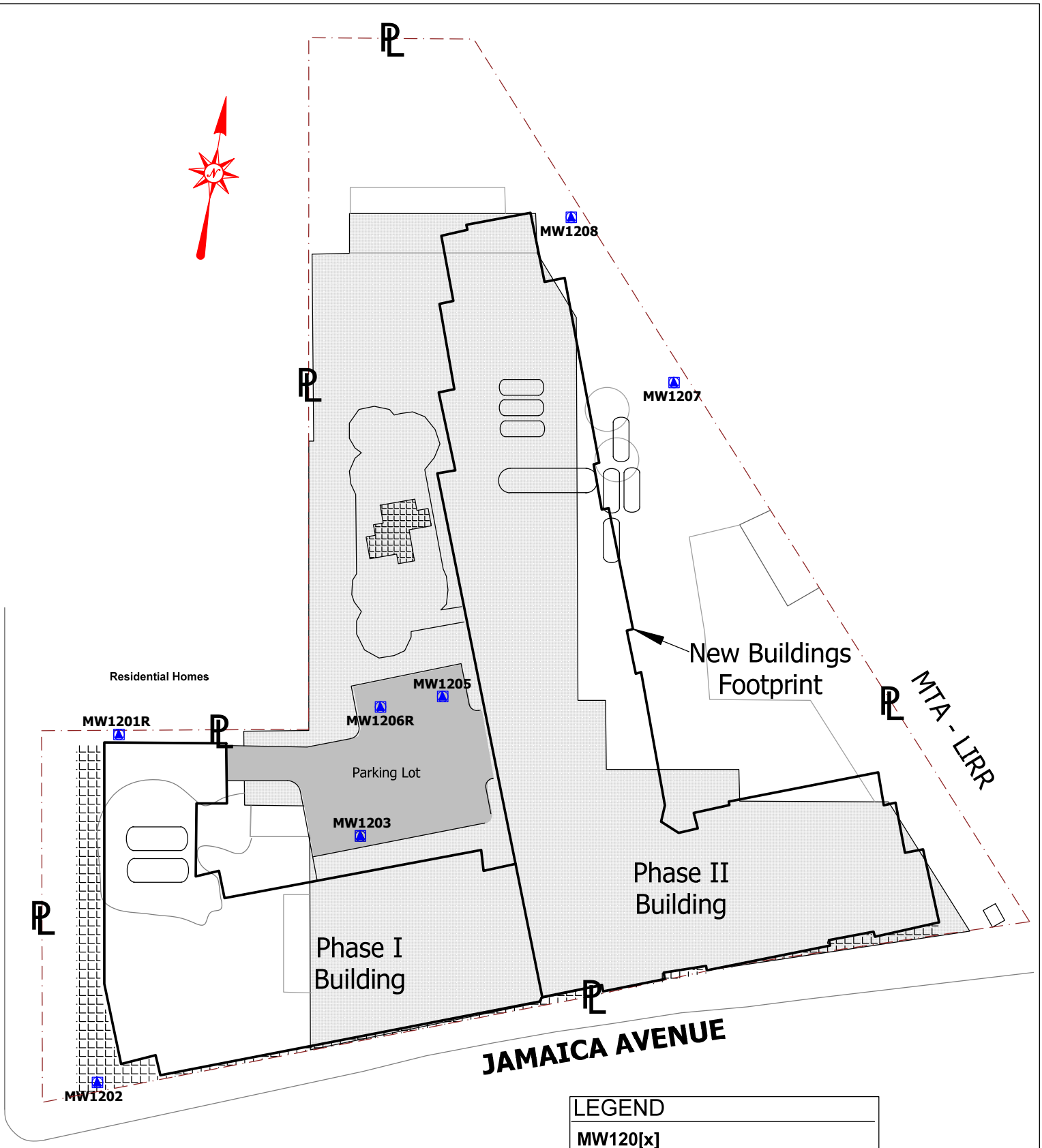
Compound	NYSDEC Groundwater Quality Standards µg/L	MW1208 9/21/2017 µg/L		MW1208 12/29/2017 µg/L		MW1208 3/27/2018 µg/L		MW1208 6/28/2018 µg/L		MW1208 9/26/2018 µg/L		MW1208 12/27/2018 µg/L		MW1208 3/27/2019 µg/L		MW1208 6/26/2019 µg/L		MW1208 9/17/2019 µg/L	
		Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	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	< 1.0	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	< 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	< 1.0	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	< 1.0	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	< 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	< 1.0	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	< 1.0	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	< 1.0	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	< 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	< 1.0	1.0
1,2,4-Trimethylbenzene	5	**2.6**	1.0	**0.57**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dibromo-3-chloropropane	0.04	< 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	< 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	< 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	< 1.0	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	< 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	< 1.0	1.0
1,3,5-Trimethylbenzene	5	**0.35**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichlorobenzene	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	< 1.0	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	< 1.0	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	< 1.0	1.0
1,4-Dioxane		-	-	-	-	< 100	100	< 100	100	< 100	100	<100	100	< 100	100	< 100	100	< 100	100
2,2-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 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	< 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	< 2.5	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	< 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	< 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	< 2.5	2.5
Acetone		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 5.0	5.0
Bromomethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
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	< 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	< 1.0	1.0
Chlorobenzene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroform	7	**0.53**	5.0	**0.79**	5.0	**0.39**	5.0	**0.53**	5.0	**0.3**	5.0	< 5.0	5.0	**0.39**	5.0	**0.26**	5.0	< 5.0	5.0
Chloromethane	60	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
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	< 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	< 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	< 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	< 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	< 1.0	1.0
Ethylbenzene	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	< 1.0	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	< 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	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
m&p-Xylenes	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	< 1.0	1.0
Methyl Ethyl Ketone (2-Butanone)		< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 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	< 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	< 3.0	3.0
Naphthalene	10	< 1.0	1.0	**1.4**	1.0	< 1.0	1.0	< 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	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Propylbenzene	5	**0.27**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
o-Xylene	5	**0.28**	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
p-Isopropyltoluene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	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	< 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	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tert-butyl alcohol		-	-	-	-	< 50	50	< 50	50	< 50	50	<50	50	< 50	50	< 50	50	< 50	50
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	< 1.0	1.0
Tetrachloroethene	5	**1.6**	1.0	**1.5**	1.0	**0.58**	1.0	**2**	1.0	**2**	1.0	**1.5**	1.0	**0.58**	1.0	**1.3**	1.0	**1.4**	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	< 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	< 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	< 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	< 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	< 2.5	2.5
Trichloroethene	5	**0.37**	1.0	**0.38**	1.0	**0.29**	1.0	**0.5**	1.0	**0.52**	1.0	**0.43**	1.0	**0.29**	1.0	**0.53**	1.0	**0.49**	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	< 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	< 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	< 1.0	1.0
CVOCs		**2.50**		**2.67**		**1.26**		**3.03**		**2.82**		**1.93**		**1.26**		**2.09**		**1.89**	
PVOCs		**3.50**		**1.97**		**0.00**		**0.00**		**0.00**		**0.00**		**0.00**		**0.00**		**0.00**	
Total VOCs		**6.00**		**4.64**		**1.26**		**3.03**		**2.82**		**1.93**		**1.26**		**2.09**		**1.89**	

Notes:

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

FIGURES



LEGEND

MW120[x] MONITORING WELL LOCATIONS

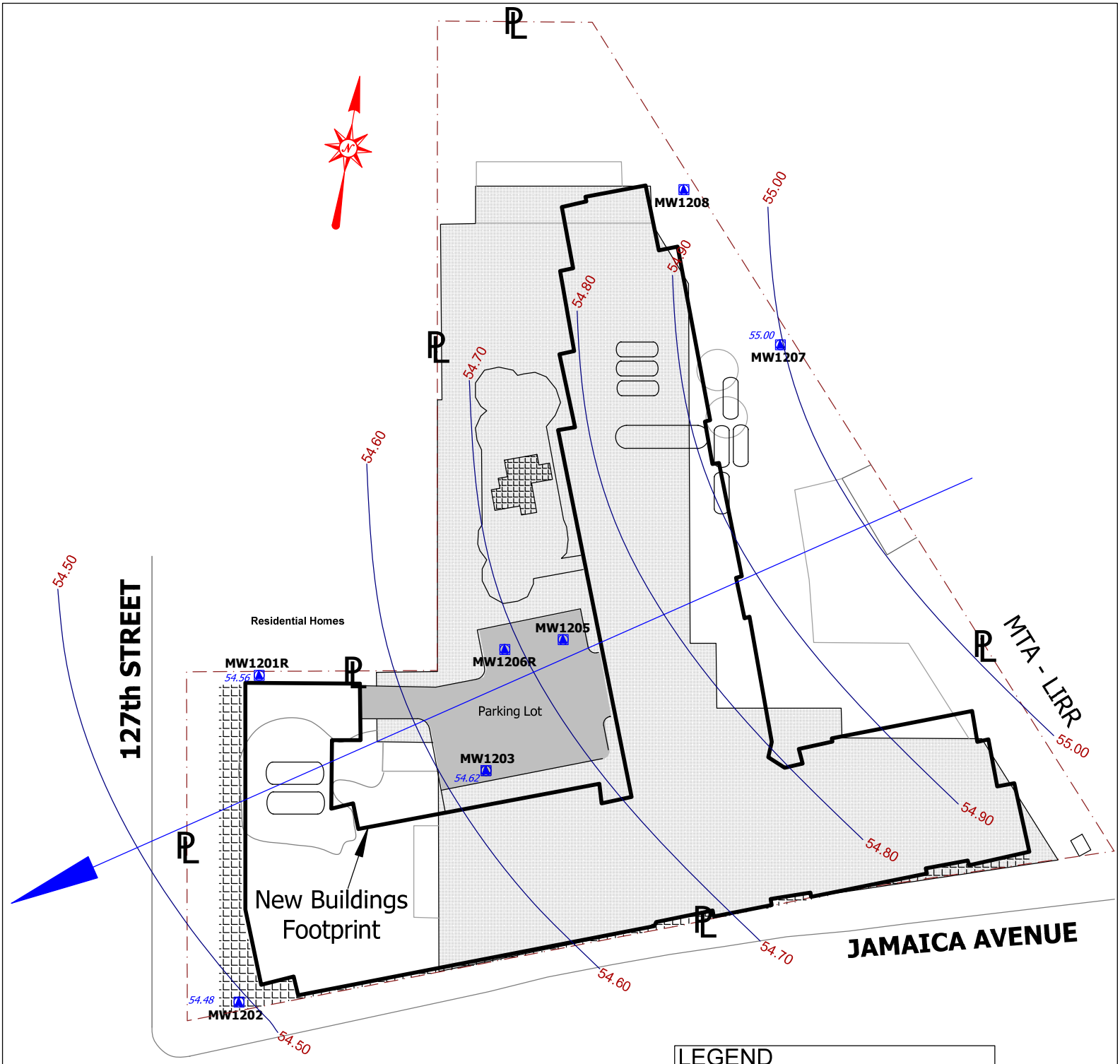
OLD BUILDING AREA

LANDSCAPED AREA

AMC ENGINEERING PLLC
18-36 42nd STREET
ASTORIA, NY 11105
O: 718-545-0474

PROJECT
Former Uniforms for Industry Site
129-09 Jamaica Ave
Richmond Hill, NY

DATE:	DRAWING BY:	FIGURE NO.	TITLE:
6/7/2021	AS	1	Site Plan (MW Layout Plan)



LEGEND

MW120[x] MONITORING WELL LOCATIONS

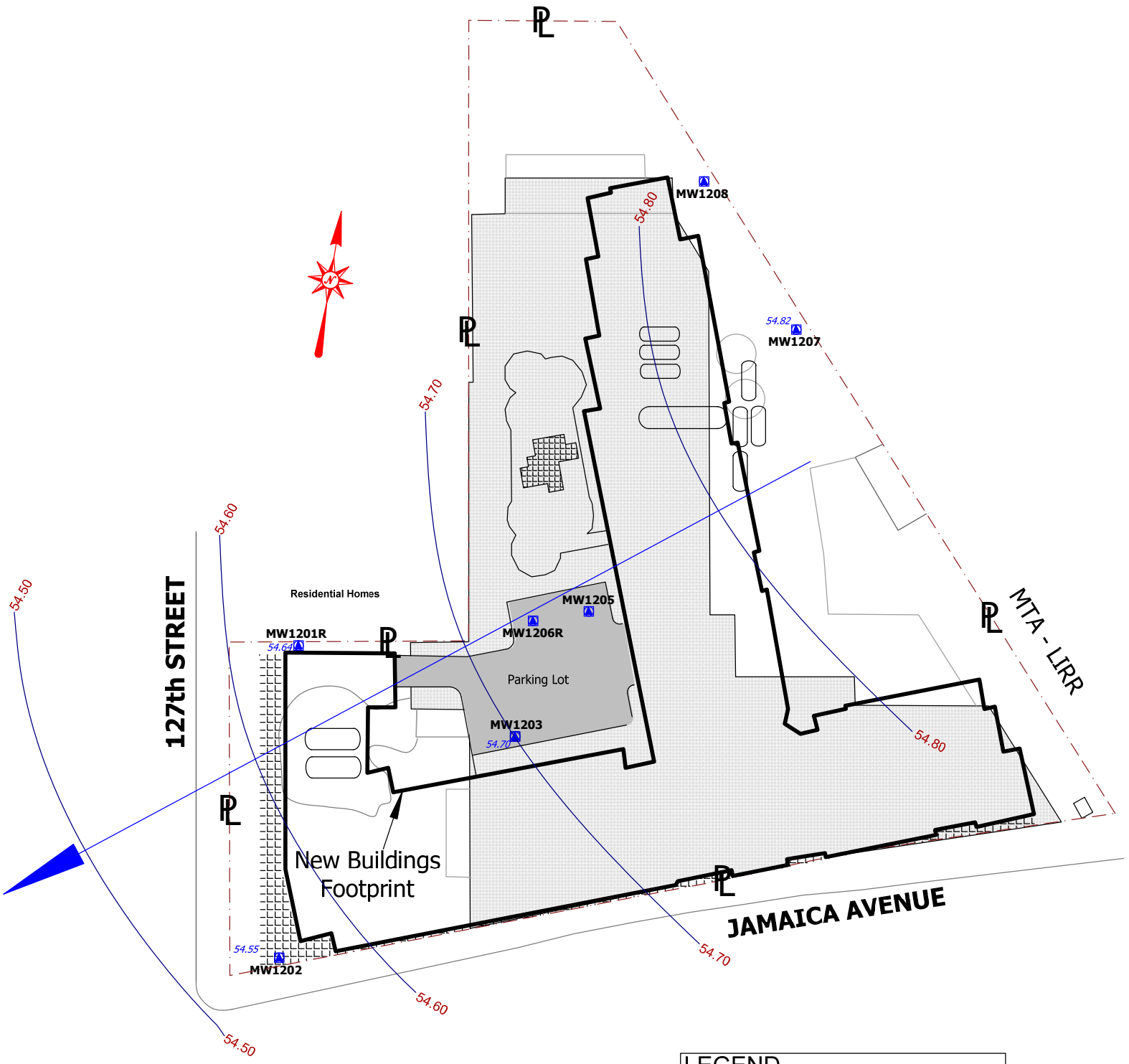
OLD BUILDING AREA

LANDSCAPED AREA

AMC ENGINEERING PLLC
18-36 42nd STREET
ASTORIA, NY 11105
O: 718-545-0474

PROJECT
Former Uniforms for Industry Site
129-09 Jamaica Ave
Richmond Hill, NY

DATE:	DRAWING BY:	FIGURE NO.	TITLE:
6/7/2021	AS	2	Groundwater Contour Map (2020 Q2)



LEGEND

MW120[x] MONITORING WELL LOCATIONS

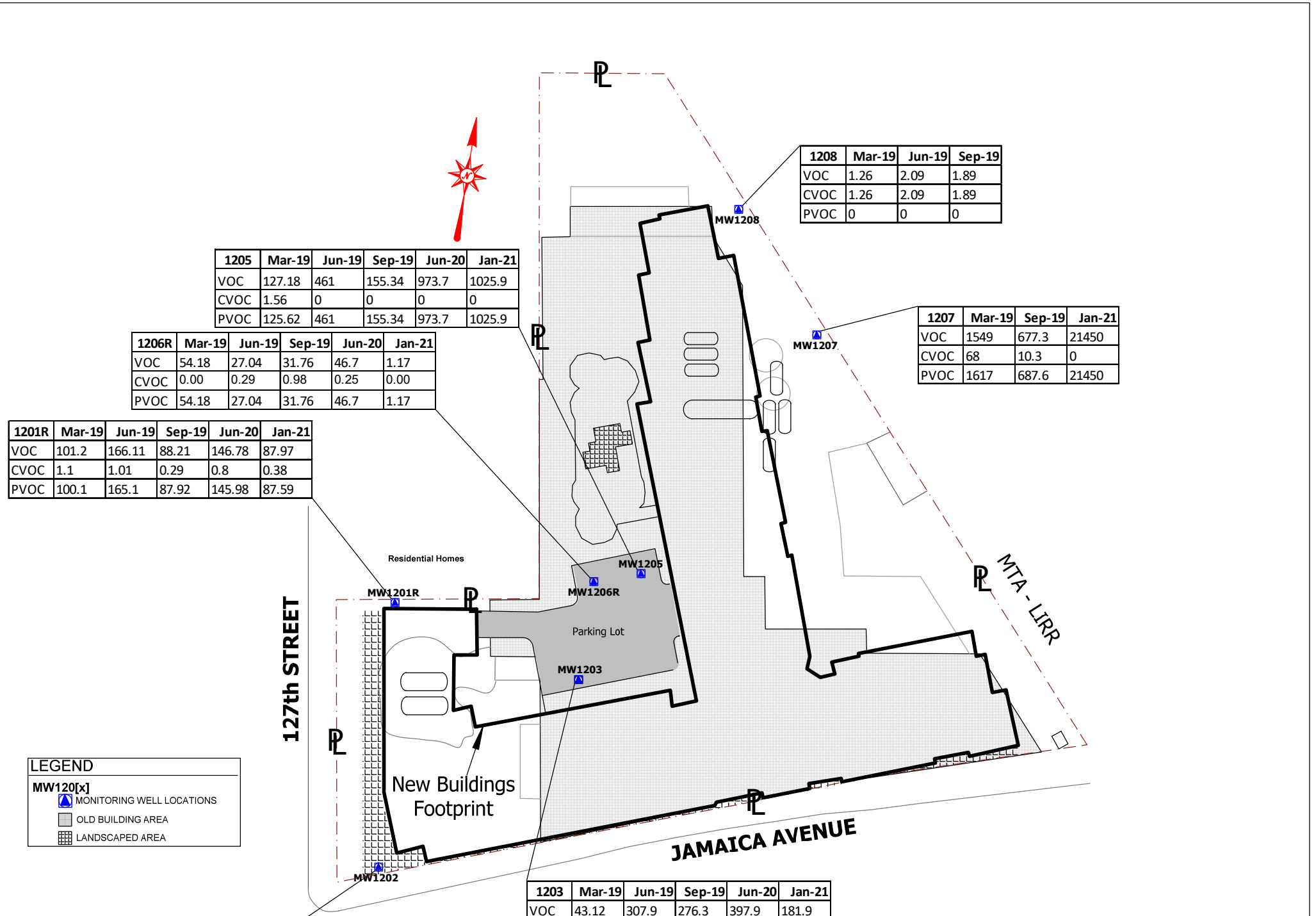
OLD BUILDING AREA

LANDSCAPED AREA

AMC ENGINEERING PLLC
18-36 42nd STREET
ASTORIA, NY 11105
O: 718-545-0474

PROJECT
Former Uniforms for Industry Site
129-09 Jamaica Ave
Richmond Hill, NY

DATE:	DRAWING BY:	FIGURE NO.	TITLE:
6/7/2021	AS	3	Groundwater Contour Map (2020 Q4)



1208	Mar-19	Jun-19	Sep-19
VOC	1.26	2.09	1.89
CVOC	1.26	2.09	1.89
PVOC	0	0	0

1205	Mar-19	Jun-19	Sep-19	Jun-20	Jan-21
VOC	127.18	461	155.34	973.7	1025.9
CVOC	1.56	0	0	0	0
PVOC	125.62	461	155.34	973.7	1025.9

1207	Mar-19	Sep-19	Jan-21
VOC	1549	677.3	21450
CVOC	68	10.3	0
PVOC	1617	687.6	21450

1206R	Mar-19	Jun-19	Sep-19	Jun-20	Jan-21
VOC	54.18	27.04	31.76	46.7	1.17
CVOC	0.00	0.29	0.98	0.25	0.00
PVOC	54.18	27.04	31.76	46.7	1.17

1201R	Mar-19	Jun-19	Sep-19	Jun-20	Jan-21
VOC	101.2	166.11	88.21	146.78	87.97
CVOC	1.1	1.01	0.29	0.8	0.38
PVOC	100.1	165.1	87.92	145.98	87.59

1203	Mar-19	Jun-19	Sep-19	Jun-20	Jan-21
VOC	43.12	307.9	276.3	397.9	181.9
CVOC	0	0	0	0	0
PVOC	43.12	307.9	276.3	397.9	181.9

1202	Mar-19	Jun-19	Sep-19	Jun-20	Jan-21
VOC	4.84	12.12	4.24	22.64	4.83
CVOC	0.44	0.67	2.3	0.57	0
PVOC	4.4	11.45	1.94	22.07	4.83

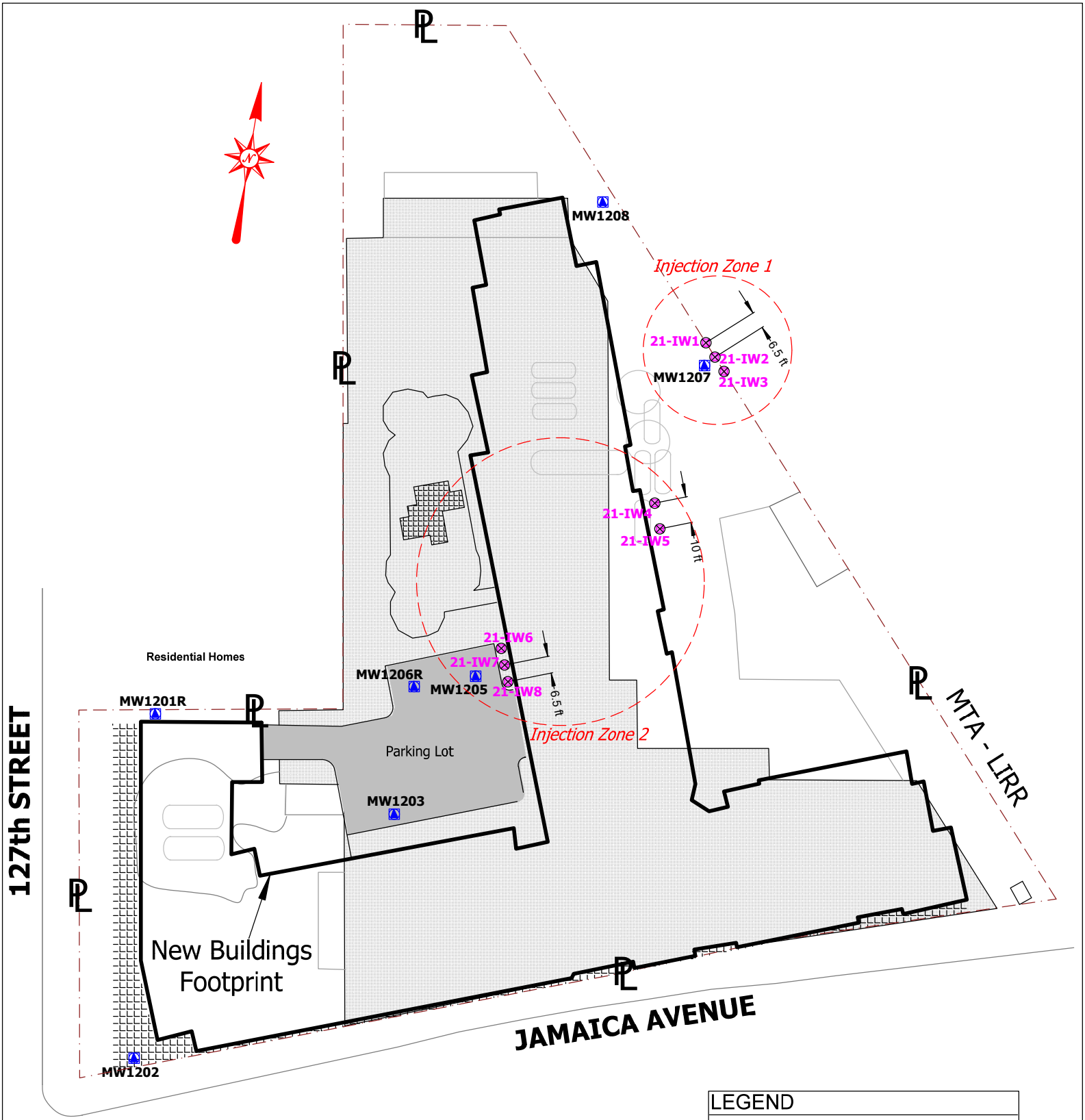
All analytical results are reported in parts per billion (ppb or ug/kg).

AMC ENGINEERING PLLC
18-36 42nd STREET
ASTORIA, NY 11105
O: 718-545-0474

PROJECT: Former Uniforms for Industry Site
129-09 Jamaica Ave
Richmond Hill, NY

DATE: 6/7/2021 | DRAWING BY: AS | FIGURE NO.: 4

TITLE: Groundwater Monitoring Results
(2019 Q1 to 2020 Q4)



LEGEND

MW120[x]
MONITORING WELL LOCATIONS

21-IW[x]
PROPOSED INJECTION WELL LOCATIONS

OLD BUILDING AREA

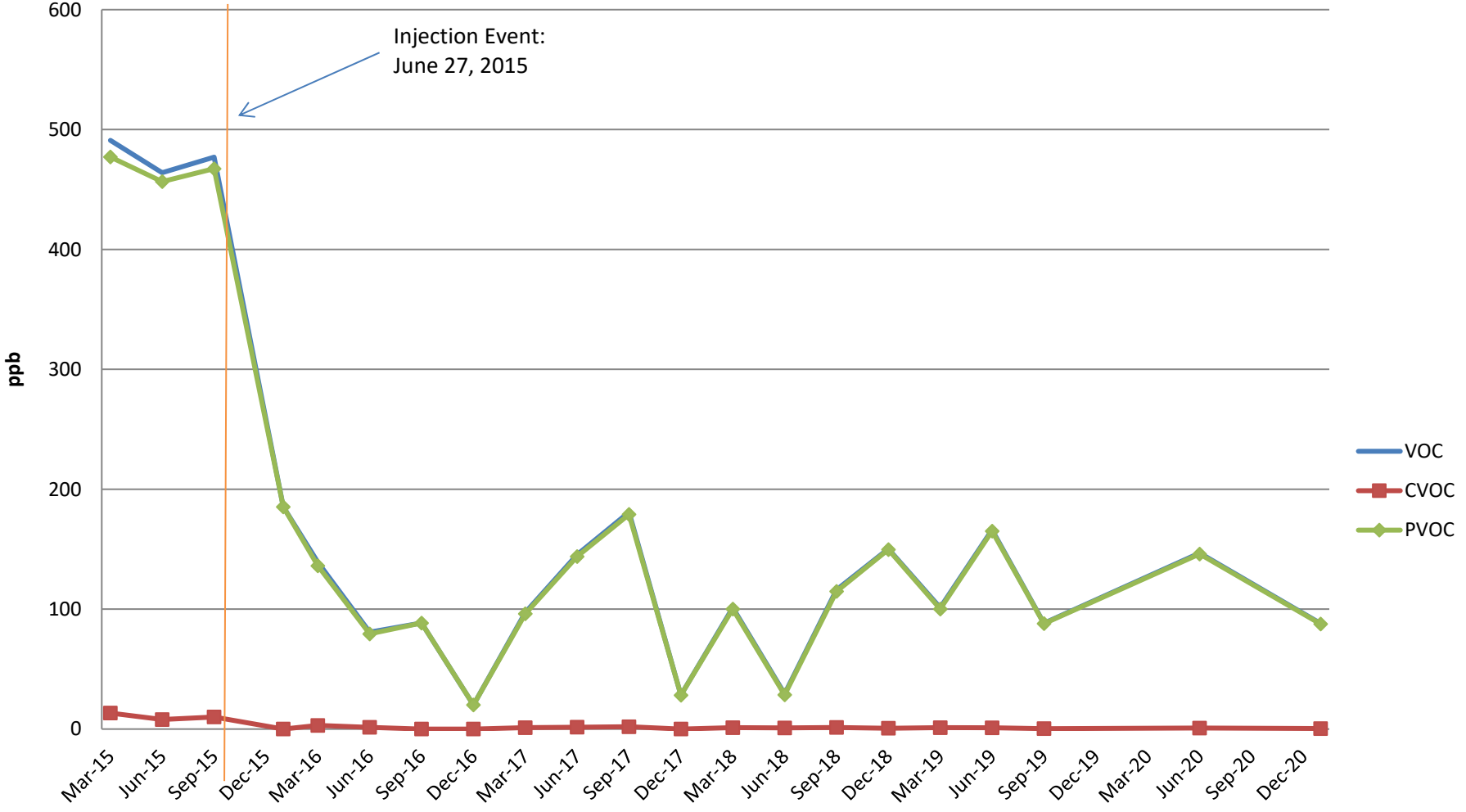
LANDSCAPED AREA

AMC ENGINEERING PLLC
18-36 42nd STREET
ASTORIA, NY 11105
O: 718-545-0474

PROJECT
Former Uniforms for Industry Site
129-09 Jamaica Ave
Richmond Hill, NY

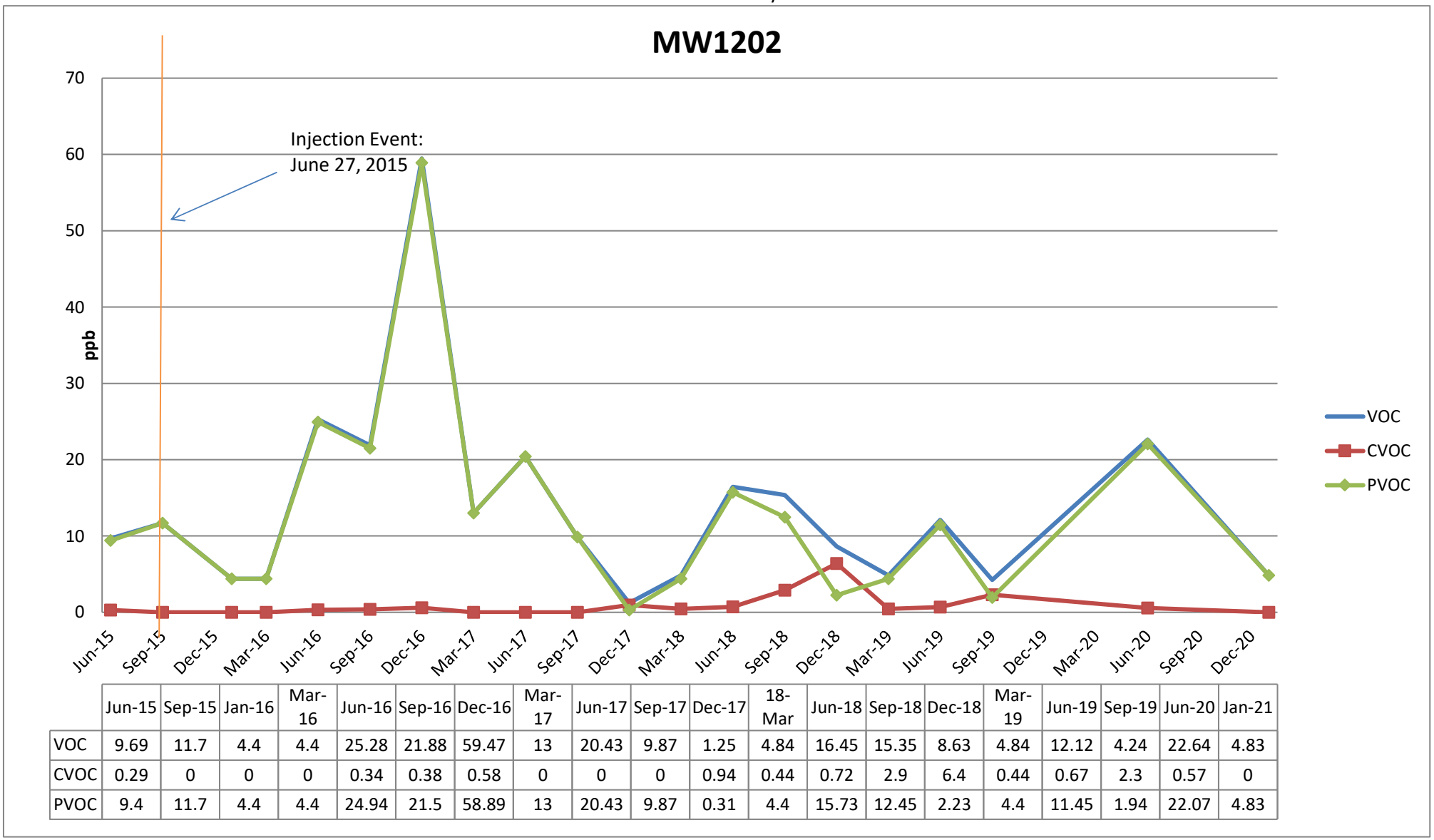
DATE:	DRAWING BY:	FIGURE NO.	TITLE:
6/7/2021	AS	5	Injection Plan

Graph 1
MW1201 VOCs
129-09 Jamaica Avenue, Richmond Hills NY
March 2015 - January 2021



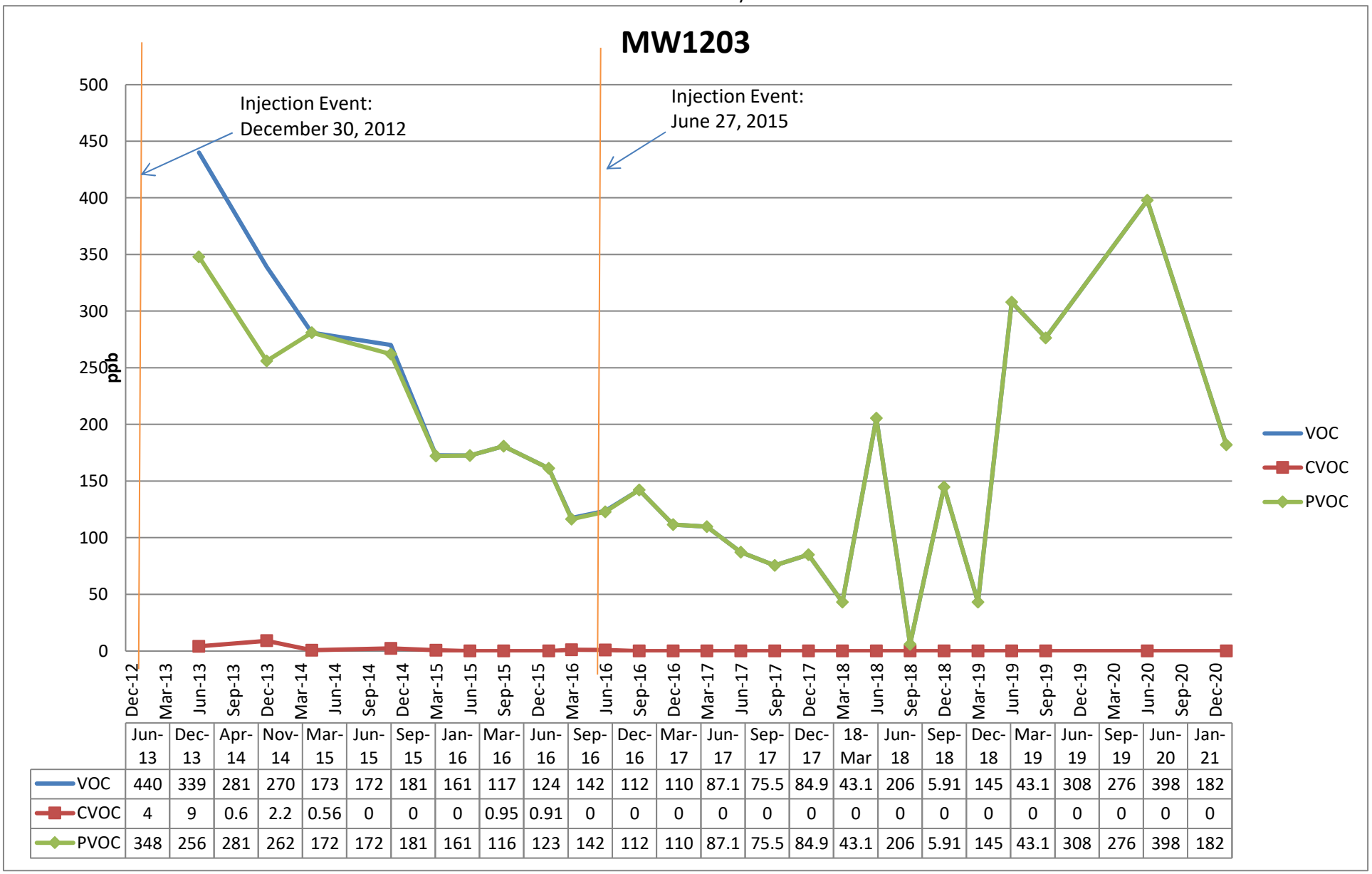
	Mar-15	Jun-15	Sep-15	Jan-16	Mar-16	Jun-16	Sep-16	Dec-16	Mar-17	Jun-17	Sep-17	Dec-17	Mar-18	Jun-18	Sep-18	Dec-18	Mar-19	Jun-19	Sep-19	Jun-20	Jan-21
VOC	491	464	477	185.3	139.2	80.74	88.4	20.08	97.2	145.4	180.9	28.2	101.2	29.35	116.1	150.3	101.2	166.1	88.21	146.8	87.97
CVOC	13.33	7.9	10	0	3	1.4	0	0	1.1	1.5	1.9	0	1.1	0.88	1.28	0.61	1.1	1.01	0.29	0.8	0.38
PVOC	477.2	456.6	467.3	185.3	136.2	79.34	88.4	20.08	96.1	143.9	179	28.2	100.1	28.47	114.8	149.7	100.1	165.1	87.92	146	87.59

Graph 2
MW1202 VOCs
129-09 Jamaica Avenue, Richmond Hills, NY
June 2015 - January 2021



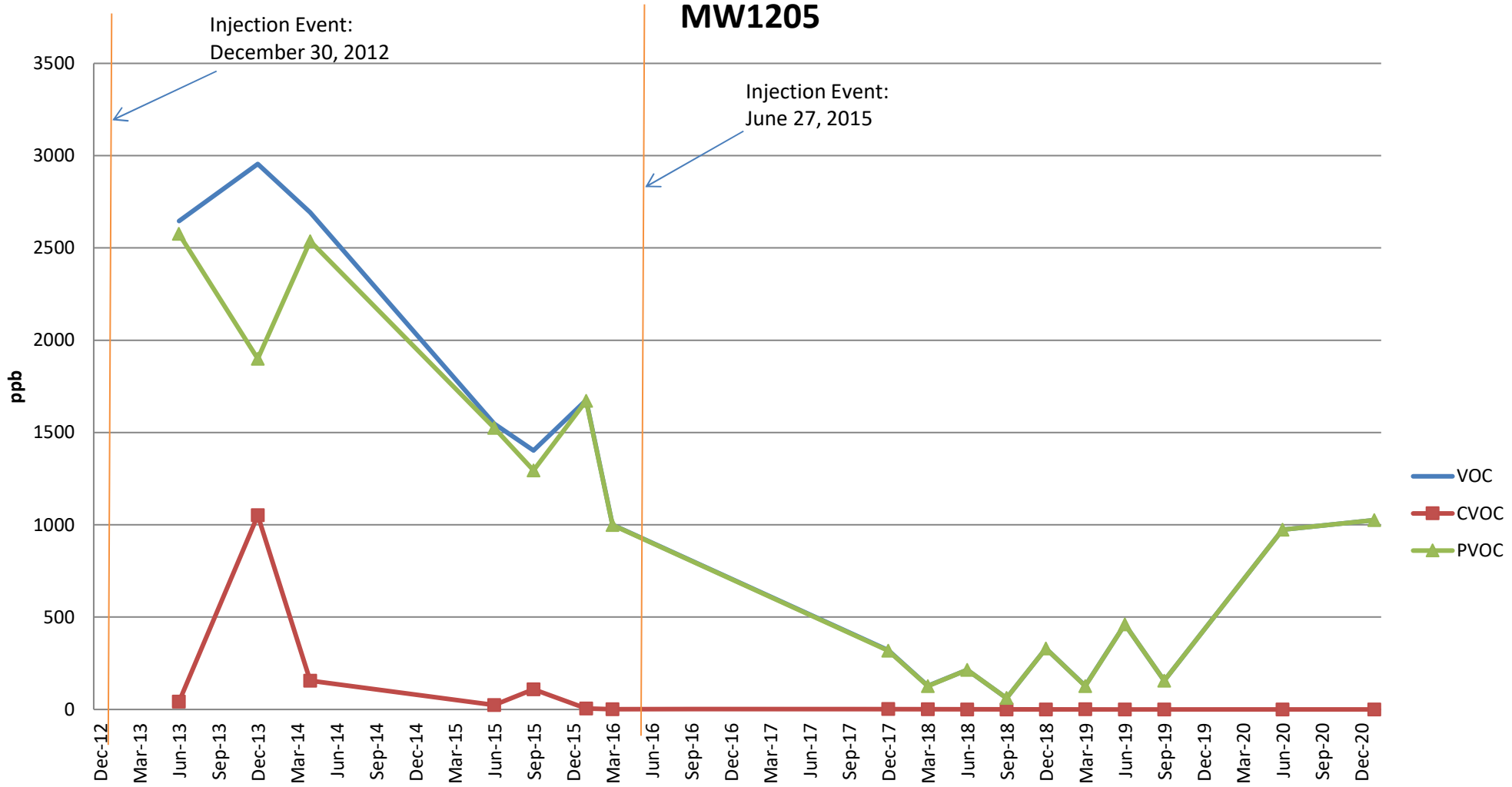
	Jun-15	Sep-15	Jan-16	Mar-16	Jun-16	Sep-16	Dec-16	Mar-17	Jun-17	Sep-17	Dec-17	18-Mar	Jun-18	Sep-18	Dec-18	Mar-19	Jun-19	Sep-19	Jun-20	Jan-21
VOC	9.69	11.7	4.4	4.4	25.28	21.88	59.47	13	20.43	9.87	1.25	4.84	16.45	15.35	8.63	4.84	12.12	4.24	22.64	4.83
CVOC	0.29	0	0	0	0.34	0.38	0.58	0	0	0	0.94	0.44	0.72	2.9	6.4	0.44	0.67	2.3	0.57	0
PVOC	9.4	11.7	4.4	4.4	24.94	21.5	58.89	13	20.43	9.87	0.31	4.4	15.73	12.45	2.23	4.4	11.45	1.94	22.07	4.83

Graph 3
MW1203 VOCs
129-09 Jamaica Avenue, Richmond Hills, NY
June 2013 - January 2021



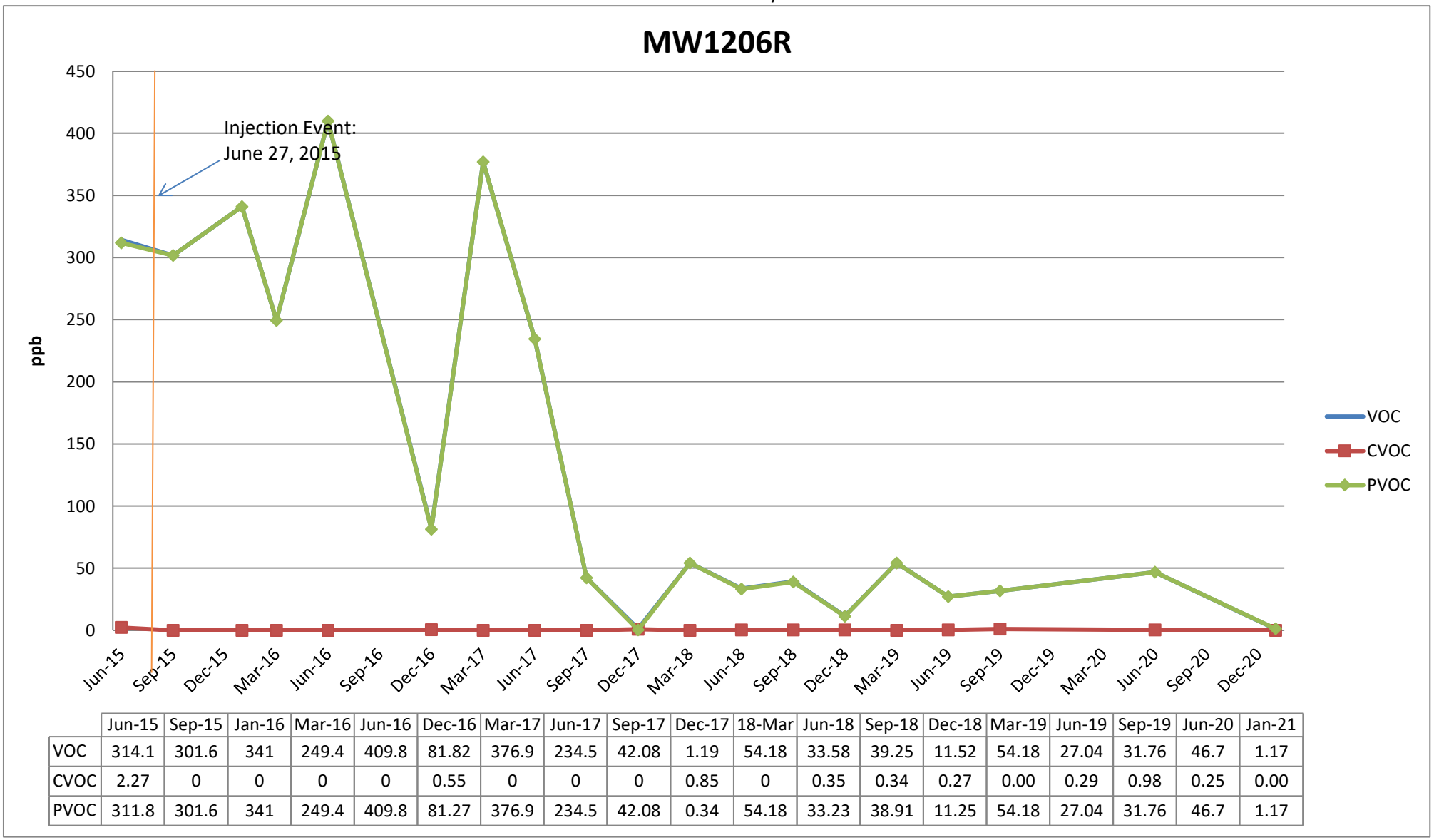
	Jun-13	Dec-13	Apr-14	Nov-14	Mar-15	Jun-15	Sep-15	Jan-16	Mar-16	Jun-16	Sep-16	Dec-16	Mar-17	Jun-17	Sep-17	Dec-17	18-Mar	Jun-18	Sep-18	Dec-18	Mar-19	Jun-19	Sep-19	Jun-20	Jan-21
VOC	440	339	281	270	173	172	181	161	117	124	142	112	110	87.1	75.5	84.9	43.1	206	5.91	145	43.1	308	276	398	182
CVOC	4	9	0.6	2.2	0.56	0	0	0	0.95	0.91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PVOC	348	256	281	262	172	172	181	161	116	123	142	112	110	87.1	75.5	84.9	43.1	206	5.91	145	43.1	308	276	398	182

Graph 4
MW1205 VOCs
129-09 Jamaica Avenue, Richmond Hills, NY
June 2013 - January 2021



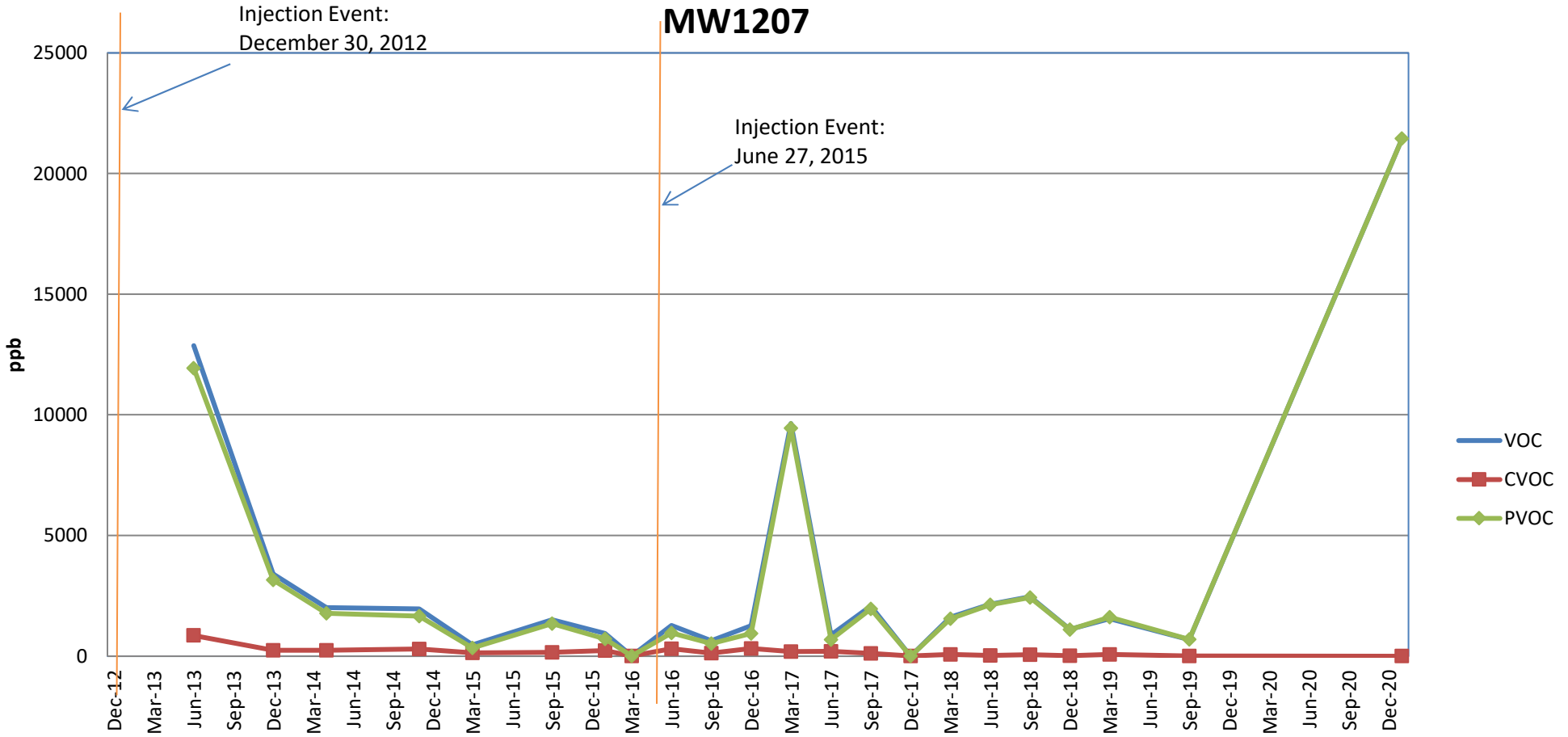
	Jun-13	Dec-13	Apr-14	Jun-15	Sep-15	Jan-16	Mar-16	Dec-17	18-Mar	Jun-18	Sep-18	Dec-18	Mar-19	Jun-19	Sep-19	Jun-20	Jan-21
VOC	2645	2955	2692	1548	1403	1676.2	999.8	320.2	127.18	214.2	61.73	329.6	127.18	461	155.34	973.7	1025.9
CVOC	42	1052	156	23	108.4	5.1	1.3	1.8	1.56	0	0	0	1.56	0	0	0	0
PVOC	2576	1900	2536	1524.6	1294.7	1671.1	998.5	318.4	125.62	214.2	61.73	329.6	125.62	461	155.34	973.7	1025.9

Graph 5
MW1206
129-09 Jamaica Avenue, Richmond Hills, NY
June 2015 - January 2021



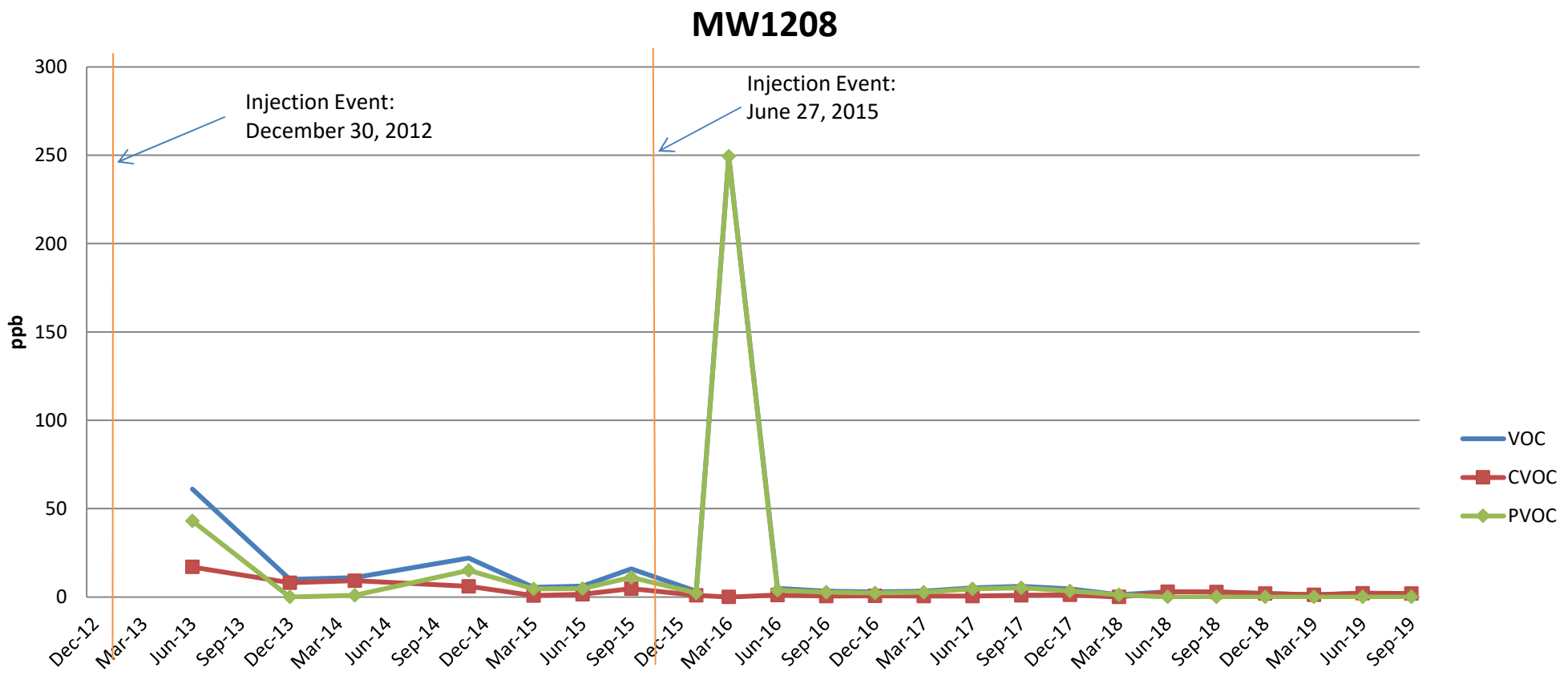
	Jun-15	Sep-15	Jan-16	Mar-16	Jun-16	Dec-16	Mar-17	Jun-17	Sep-17	Dec-17	18-Mar	Jun-18	Sep-18	Dec-18	Mar-19	Jun-19	Sep-19	Jun-20	Jan-21
VOC	314.1	301.6	341	249.4	409.8	81.82	376.9	234.5	42.08	1.19	54.18	33.58	39.25	11.52	54.18	27.04	31.76	46.7	1.17
CVOC	2.27	0	0	0	0	0.55	0	0	0	0.85	0	0.35	0.34	0.27	0.00	0.29	0.98	0.25	0.00
PVOC	311.8	301.6	341	249.4	409.8	81.27	376.9	234.5	42.08	0.34	54.18	33.23	38.91	11.25	54.18	27.04	31.76	46.7	1.17

Graph 6
MW1207
129-09 Jamaica Avenue, Richmond Hills, NY
June 2013 - January 2021



	Jun-13	Dec-13	Apr-14	Nov-14	Mar-15	Sep-15	Jan-16	Mar-16	Jun-16	Sep-16	Dec-16	Mar-17	Jun-17	Sep-17	Dec-17	18-Mar	Jun-18	Sep-18	Dec-18	Mar-19	Sep-19	Jan-21
VOC	12867	3400	2014	1961	462.8	1502	940	7.97	1270	642	1261	9639	875.2	2070	3.15	1617	2154	2458	1113	1549	677.3	21450
CVOC	862	242	244	290	129	154	232	0.97	307.1	126	320	188	194	111	1.35	68	28	53.8	17	68	10.3	0
PVOC	11930	3158	1770	1655	333.8	1348	708	7	962.5	516	941	9451	681.2	1959	1.8	1549	2126	2431	1096	1617	687.6	21450

Graph 7
MW1208
129-09 Jamaica Avenue, Richmond Hills, NY
June 2013 - September 2019



	Jun-13	Dec-13	Apr-14	Nov-14	Mar-15	Jun-15	Sep-15	Jan-16	Mar-16	Jun-16	Sep-16	Dec-16	Mar-17	Jun-17	Sep-17	Dec-17	18-Mar	Jun-18	Sep-18	Dec-18	Mar-19	Jun-19	Sep-19
VOC	61	10	11	22	5.39	6.21	15.84	3.23	249.4	4.87	3.2	2.8	3.23	5.1	6	4.64	1.26	3.03	2.82	1.93	1.26	2.09	1.89
CVOC	17	8	9.15	6	0.79	1.48	4.77	0.93	0	1.09	0.51	0.6	0.53	0.55	0.9	1.17	0	3.03	2.82	1.93	1.26	2.09	1.89
PVOC	43	0	1	15	4.6	4.73	11.07	2.3	249.4	3.78	2.69	2.2	2.7	4.55	5.1	3.47	1.26	0	0	0	0	0	0

Month-year

ATTACHMENT A
Safety Data Sheets

SAFETY DATA SHEET

1. Identification

Product identifier **PetroFix**

Other means of identification None.

Recommended use Remediation of contaminants in soil and groundwater.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company Name Regenesis

Address 1011 Calle Sombra
San Clemente, CA 92673 USA

General information 949-366-8000

E-mail CustomerService@regenesis.com

Emergency phone number For Hazardous Materials Incidents ONLY (spill, leak, fire, exposure or accident), call CHEMTREC 24/7 at:

USA, Canada, Mexico 1-800-424-9300

International 1-703-527-3887

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Hazard symbol None.

Signal word None.

Hazard statement The mixture does not meet the criteria for classification.

Precautionary statement

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Activated carbon <10 µm	7440-44-0	>25
Calcium sulfate dihydrate	10101-41-4	<10
Additive	-	<2

Composition comments All concentrations are in percent by weight unless otherwise indicated.
Components not listed are either non-hazardous or are below reportable limits.
Chemical ingredient identity and/or concentration information withheld for some or all components present is confidential business information (trade secret), and is being withheld as permitted by 29 CFR 1910.1200(i).

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed. Combustion products may include: carbon oxides, nitrogen oxides, sulfur oxides, calcium oxide.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	This material will not burn until the water has evaporated. Residue can burn. When dry may form combustible dust concentrations in air.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Avoid prolonged exposure. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
Activated carbon <10 µm (CAS 7440-44-0)	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Activated carbon <10 µm (CAS 7440-44-0)	TWA	2 mg/m3	Respirable fraction.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Calcium sulfate dihydrate (CAS 10101-41-4)	TWA	10 mg/m3	Inhalable fraction.

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Skin protection

Other Wear suitable protective clothing.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Aqueous suspension.

Color Not available.

Odor Not available.

Odor threshold Not available.

pH 8 - 10

Melting point/freezing point Not available.

Initial boiling point and boiling range 212 °F (100 °C)

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Relative density Not available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

Explosive properties Not explosive.

Oxidizing properties Not oxidizing.

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

Conditions to avoid Contact with incompatible materials. Avoid drying out product. May generate combustible dust if material dries.

Incompatible materials Strong oxidizing agents. Acids.

Hazardous decomposition products No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation Spray mist may irritate the respiratory system. For dry material: Dust may irritate respiratory system.

Skin contact Prolonged or repeated exposure may cause minor irritation.

Eye contact Direct contact with eyes may cause temporary irritation.

Ingestion May cause discomfort if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity Not expected to be acutely toxic.

Components	Species	Test Results
Activated carbon <10 µm (CAS 7440-44-0)		
Acute		
Oral		
LD50	Rat	> 10000 mg/kg

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

NTP Report on Carcinogens

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not an aspiration hazard.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	None known.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not established.

15. Regulatory information

US federal regulations	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical	No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)	Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Calcium sulfate dihydrate (CAS 10101-41-4)

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Activated carbon <10 µm (CAS 7440-44-0)
Calcium sulfate dihydrate (CAS 10101-41-4)

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 15-February-2018

Revision date -

Version # 01

HMIS® ratings Health: 1
Flammability: 1
Physical hazard: 0

NFPA ratings

Disclaimer Regenesis cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

SAFETY DATA SHEET

1. Identification

Product identifier **PetroFix Electron Acceptor Blend**

Other means of identification None.

Recommended use Remediation of soils and groundwater.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company Name Regenesis

Address 1011 Calle Sombra
San Clemente, CA 92673 USA

General information 949-366-8000

E-mail CustomerService@regenesis.com

Emergency phone number For Hazardous Materials Incidents ONLY (spill, leak, fire, exposure or accident), call CHEMTREC 24/7 at:

USA, Canada, Mexico 1-800-424-9300

International 1-703-527-3887

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Serious eye damage/eye irritation Category 2B

OSHA defined hazards Not classified.

Label elements

Hazard symbol None.

Signal word Warning

Hazard statement Causes eye irritation.

Precautionary statement

Prevention Wash thoroughly after handling.

Response If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Ammonium sulfate	7783-20-2	40 - 60
Sodium nitrate	7631-99-4	40 - 60

Composition comments All concentrations are in percent by weight unless otherwise indicated.

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact	Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Dusts may irritate the respiratory tract, skin and eyes.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Use extinguishing agent suitable for type of surrounding fire.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed. Combustion products may include: nitrogen oxides, sulfur oxides, ammonia.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Use water spray to cool unopened containers.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Material will not burn.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Avoid the generation of dusts during clean-up. Collect dust using a vacuum cleaner equipped with HEPA filter. Stop the flow of material, if this is without risk. Large Spills: Wet down with water and dike for later disposal. Absorb in vermiculite, dry sand or earth and place into containers. Shovel the material into waste container. Following product recovery, flush area with water. Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Avoid contact with eyes. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store in tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits. Provide eyewash station.

Individual protection measures, such as personal protective equipment

Eye/face protection	Unvented, tight fitting goggles should be worn in dusty areas.
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
Skin protection	
Other	Wear suitable protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment. Wear NIOSH approved respirator appropriate for airborne exposure at the point of use. Appropriate respirator selection should be made by a qualified professional. Recommended use: Wear respirator with dust filter.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance	
Physical state	Solid.
Form	Powder.
Color	White.
Odor	Not available.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	This material will not burn.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials. Heat.
Incompatible materials	Strong reducing agents. Strong acids.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Dust may irritate respiratory system.
Skin contact	Dust or powder may irritate the skin.
Eye contact	Causes eye irritation.
Ingestion	May cause discomfort if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics	Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Dusts may irritate the respiratory tract, skin and eyes.

Information on toxicological effects

Acute toxicity	Not expected to be acutely toxic.
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation	Causes eye irritation.

Respiratory or skin sensitization

Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.

Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

NTP Report on Carcinogens

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Further information	Nitrate poisoning resulting in methemoglobinemia manifested as cyanosis is rare, but possible for people with specific susceptibility traits.

12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	The product solely consists of inorganic compounds which are not biodegradable.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	None known.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

15. Regulatory information

US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical	Yes
Classified hazard categories	Serious eye damage or eye irritation

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Ammonium sulfate	7783-20-2	40 - 60
Sodium nitrate	7631-99-4	40 - 60

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)	Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Ammonium sulfate (CAS 7783-20-2)
Sodium nitrate (CAS 7631-99-4)

US. New Jersey Worker and Community Right-to-Know Act

Sodium nitrate (CAS 7631-99-4)

US. Pennsylvania Worker and Community Right-to-Know Law

Ammonium sulfate (CAS 7783-20-2)
Sodium nitrate (CAS 7631-99-4)

US. Rhode Island RTK

Ammonium sulfate (CAS 7783-20-2)
Sodium nitrate (CAS 7631-99-4)

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 15-August-2018

Revision date -

Version # 01

HMIS® ratings

Health: 1
Flammability: 0
Physical hazard: 0

NFPA ratings

Disclaimer

Regenesis cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.