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. C241235

Site Name 69-02 Queens Blvd

Site Address: 46-09 69th Street ~~and 46-10 70th Street~~ Zip Code: 11377
City/Town: Queens
County: Queens
Site Acreage: ~~1.650~~ 0.28

Reporting Period: December 23, 2021 to April 23, 2023

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

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below?	☒	☐
7. Are all ICs in place and functioning as designed?	☒	☐

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

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

_____ _____
Signature of Owner, Remedial Party or Designated Representative Date

	Box 2A	
	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒
If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.		
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐
If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.		

SITE NO. C241235 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
2432-9	QB Development Owner LLC	Ground Water Use Restriction Site Management Plan IC/EC Plan Monitoring Plan O&M Plan

- The Track 4 portion of the Site may be used for: restricted residential, commercial, or industrial use;
- All ECs on the Track 4 portion of the Site must be operated and maintained as specified in this SMP;
- All ECs on the Track 4 portion of the Site must be inspected at a frequency and in a manner defined in this SMP;
- The use of groundwater underlying the Track 4 portion of the Site is prohibited without necessary water quality treatment as determined by the NYSDOH to render it safe for its intended purpose, and the user must first notify and obtain written approval to do so from the Department;
- Groundwater and other environmental or public health monitoring for the Track 4 portion of the Site must be performed as defined in this SMP;
- Compliance with the Environmental Easement by the Grantee and the Grantee's successors is required;
- Data and information pertinent to site management for the Track 4 portion of the Site must be reported at a frequency and in a manner defined in this SMP;
- All future activities that will disturb remaining contaminated material under the Track 4 portion of the Site must be conducted in accordance with this SMP;
- Monitoring to assess the performance and effectiveness of the remedy for the Track 4 portion of the Site must be performed as defined in this SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy for the Track 4 portion of the Site shall be performed as defined in this SMP;
- The potential for vapor intrusion must be evaluated upon a change in use of the property and for any newly constructed on-Site buildings prior to initial occupancy, and any potential impacts that are identified must be monitored or mitigated. A separate work plan will be submitted to the DEC for the post-construction soil vapor intrusion evaluation; and
- The Owner of the Track 4 portion of the Site must, on the frequency required in Table 22 of this SMP, submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed on the Track 4 portion of the Site are unchanged from the previous certification or that any changes to the controls were approved by DEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and the environment or that constitute a violation or failure to comply with the control;
- Access to the Track 4 portion of the Site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement; and
- Vegetable gardens and farming on the Track 4 portion of the Site are prohibited.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
2432-9	Groundwater Treatment System Cover System

1. Cover system for the Track 4 Portion of the Site
2. Groundwater Monitoring

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
☒	☐

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
☒	☐

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. C241235

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Zachary Kadden (print name) at 520 Madison Avenue, Suite 3501, New York, NY, 10022 (print business address)

am certifying as Authorized Signatory / QB Development Owner (Owner or Remedial Party)

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

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

5/24/2023
Date

EC CERTIFICATIONS

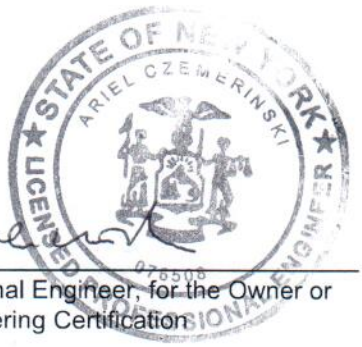
Box 7

Professional Engineer Signature

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

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

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



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

Stamp (Required for PE)

5/24/2023
Date

69-02 QUEENS BOULEVARD, QUEENS, NEW YORK

PERIODIC REVIEW REPORT

NYSDEC Site Number: C241235

Submitted to:

New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 11th Floor
Albany, NY 12233-7020

Prepared by:

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

REPORTING PERIOD:

DECEMBER 23, 2021 TO APRIL 23, 2023

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EXECUTIVE SUMMARY

AMC Engineering, PLLC (AMC) has prepared the following Periodic Review Report (PRR) for the time period of December 23, 2021 to April 23, 2023 (the reporting period), for the property located at 69-02 Queens Boulevard Site located in Queens, New York (hereinafter referred to as the "Site"). The Site is currently in the New York State (NYS) Brownfield Cleanup Program (BCP), Site No. C241235 which is administered by New York State Department of Environmental Conservation (NYSDEC).

As indicated in the Site Management Plan (SMP), the Remedial Investigation (RI) was completed in December 2019 and documented in a Remedial Investigation Report dated July 2019 (Revised December 2019). Remedial Action at the Site, performed under a Remedial Action Work Plan (RAWP), included soil removal and In-situ chemical oxidation treatment of contaminated groundwater, which was completed on June 3, 2020.

Primary chemicals of concern in groundwater at the Site were VOCs, specifically BTEX compounds. The Remedial Action achieved a Conditional Track 1 in the western portion of the site, and a Track 4 in the eastern side of the Site. Because of this reason, an SMP was prepared which specifies quarterly groundwater sampling from three monitoring wells 19MW9, 20MW10, and 20MW11R.

During site inspections, the cover system was found to be free of defects. The SMP and FER prescribe a Soil Vapor Intrusion Evaluation. A work plan is being prepared for this purpose for approval by the Department.

1.0 SITE OVERVIEW

1.1 Site Location

The Site is located at 69-02 Queens Boulevard, in the Woodside section of Queens County and is comprised of two irregular-shaped tax parcels identified as Block 2432, Lots 8 and 9 on the Queens Tax Map (see Figure 1 – *Site Location Map*). The Site is located between Queens Boulevard to the north, 70th Street to the east, 47th Avenue to the south and 69th Street to the west. The Site is approximately 1.65 acres (71,862 sf) (see Figure 2 – *Site Layout Map*).

The redevelopment project for the Site consists of the construction of two new buildings: A 15-story mixed residential/commercial building and a 12 story residential building totaling approximately 547,668 gross square feet (gsf). The Project would comprise approximately 409,787 gsf of residential space. There will also be approximately 10,896 gsf of ground floor retail space and approximately 45,853 gsf of at-grade accessory parking Street (246 parking spaces). Additionally, approximately 81,483 gsf will be utilized as community space for a K-5, 476 student school.

The Site is zoned R7X with a C2-3 commercial overlay.

The area surrounding the property is highly urbanized and predominantly consists of commercial (retail) businesses along the Queens Boulevard corridor with community buildings, mixed-use (retail/ office/ contractor/ residential) buildings south of the corridor and predominantly residential homes on the north side.

The elevation of the property is approximately 41 feet above mean sea level. The topography within the immediate area slopes gradually to the southeast. Groundwater is present under water table conditions at a depth of approximately 10.5 to 19.5 feet below the surface. Based upon on-site measurements, groundwater flow was determined to flow to the south-southeast.

1.2 Site Chronology

A RAWP prepared by AMC in February 2020 (revised June 2020), was approved by the NYSDEC on June 22, 2020. The remedy recommended for the Site within the RAWP to achieve a Track 1/Track 4 alternative consisted of capping the residual petroleum areas on Lot 9, treating groundwater in the vicinity of MW9 with in-situ chemical oxidation, and excavating the remainder of the Site to a minimum depth of 5 feet and the two lead hotspot areas to a minimum depth of 13 feet to remove all soil/fill with parameters above Unrestricted Use SCOs.

Implementation of the remedy for the Track 4 portion of the Site included the following:

- Excavation of non-hazardous historic fill material to a depth of 2 ft;
- Screening for indications of contamination (by visual means, odor, and monitoring with

PID) of all excavated soil during any intrusive Site work;

- Appropriate off-Site disposal of all material removed from the Track 4 portion of the Site in accordance with all Federal, State and local rules and regulations for handling, transport, and disposal;
- Import of ¾" RCA for use as backfill below the concrete building slab in compliance with: (1) chemical limitations and other specifications listed in the RAWP, and (2) all Federal, State, and local rules and regulations for handling and transport of material;
- ISCO treatment of groundwater in the vicinity of MW9;
- Groundwater sampling to evaluate effectiveness of ISCO treatment;
- Installation of a vapor barrier below the building slab and behind cellar walls to grade;
- A post-construction soil vapor intrusion evaluation will be performed within the new building and will consist of the collection and laboratory analysis indoor air samples. The post-construction soil vapor intrusion evaluation will include a provision for implementing actions recommended to address exposures related to soil vapor intrusion within the new building;
- Construction of a site cover system consisting of:
    a. Concrete cellar slab – A 30- to 48-inch-thick concrete cellar level mat slab; and
    b. Concrete slab along Queens Blvd – A 2-inch-thick concrete slab.
- Development and implementation of a Site Management Plan for long term management of remaining contamination at the Site which includes plans for: (1) Institutional Controls, (2) inspections and (3) reporting; and
- An Environmental Easement recorded against the Site will ensure implementation of the SMP.

2.0 REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

A visual inspection is conducted annually of the Site cover system components, which includes the concrete cellar slab – a 30- to 48-inch-thick concrete cellar level mat slab and the concrete slab along Queens Boulevard – a 2-inch-thick concrete slab. Inspection of the monitoring wells is performed on a quarterly basis where a visual inspection of the condition, PID screen, depth to water, and depth to bottom is done at each event. In addition, groundwater monitoring activities to assess bulk asymptotic attenuation are scheduled quarterly until residual groundwater concentrations are found to be consistently below ambient water quality standards.

Site Cover Inspection
A Site cover inspection for the Track 4 portion of the Site has been conducted and documented for the reporting period. The inspection found the site cover system continues to perform as designed and therefore continues to be protective of human health and the environment. Furthermore, the Site continues to be in compliance with the requirements of the SMP and the Environmental Easement.

Groundwater
The SMP specifies quarterly groundwater sampling from three on-Site monitoring wells (19MW9, 20MW10, and 20MW11R). The monitoring wells were installed in the cellar of the new building (Figure 2 – *Site Layout Map*). The network of wells was installed immediately downgradient of all volatile organic carbon remediation areas for the purpose of evaluating the effectiveness of the chemical oxidant injections. The results of the analytical parameters for the reporting period are presented in Table 1 through Table 3. The graphs showing the trends of VOCs concentrations over time, specifically BTEX compounds, are presented in Figure 3 through Figure 5.

Quarterly Sampling Results

19MW9

No VOCs were reported above the NYSDEC GQS during the reporting period. The total volatile organic compound (VOC) concentration for the first quarter of 2023 sampling event was reported at 8.4 ug/L, which represents an approximate 45% decrease when compared to the highest total concentration during the May 17, 2022 sampling event result of 15.30 ug/L.

20MW10

VOCs including Isopropylbenzene (9.8 ug/L), n-Propylbenzene (24.0 ug/L), and sec-Butylbenzene (6.5 ug/L) were reported above NYSDEC GQS during the reporting period. However, it should be noted that all three VOCs are trending downward with decreases to 7.4 ug/L, <1.0 ug/L, and 4.4 ug/L respectively. Isopropylbenzene represents a 25% decrease, nPropylbenzene represents a 96% decrease, while sec-Butylbeneze represents a 32% decrease.

The total volatile organic compound (VOC) concentration for the first quarter of 2023 sampling event was reported at 70.31 ug/L, which represents an approximate 84% decrease when compared to the highest total concentration during the March 31, 2022 sampling event result of 433.90 ug/L.

20MW11R

No VOCs were reported above the NYSDEC GQS during the reporting period. The total volatile organic compound (VOC) concentration for the first quarter of 2023 sampling event was reported at 17.60 ug/L, which represents an approximate 84% decrease when compared to the total concentration during the November 30, 2022 sampling event result of 26.10 ug/L.

3.0 IC/EC Plan Compliance Report

3.1 IC Requirements and Compliance

A series of ICs is required by the RAWP for the Track 4 portion of the Site to: (1) implement, maintain and monitor Engineering Control systems; (2) prevent future exposure to remaining contamination; and (3) limit the use and development of the site to restricted residential, commercial, or industrial uses only. Adherence to these ICs on the Track 4 portion of the Site is required by the Environmental Easement and have been implemented under the SMP. ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement. The IC boundaries (Track 4 portion of the Site) are shown on Figure 2 – *Site Layout Map*.

3.1.1 IC Controls

- The Track 4 portions of the Site may be used for: restricted residential; commercial, industrial use;
- All ECs on the Track 4 portion of the Site must be operated and maintained as specified in this SMP;
- All ECs on the Track 4 portion of the Site must be inspected at a frequency and in a manner defined in the SMP.
- The use of groundwater underlying the property the Track 4 portion of the Site is prohibited without necessary water quality treatment as determined by the NYSDOH or the NYCDOHMH to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department.
- Groundwater and other environmental or public health monitoring for the Track 4 portion of the Site must be performed as defined in this SMP;
- Compliance with the Environmental Easement by the Grantee and the Grantee's successors is required;
- Data and information pertinent to site management for the Track 4 portion of the Site must be reported at the frequency and in a manner as defined in this SMP;
- All future activities that will disturb remaining contaminated material on the Track 4 portion of the Site must be conducted in accordance with this SMP;
- Monitoring to assess the performance and effectiveness of the remedy for the Track 4 portion of the Site must be performed as defined in this SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy for the Track 4 portion of the Site shall be performed as defined in this SMP;
- The potential for vapor intrusion must be evaluated upon a change in use of the property and for any newly constructed on-Site buildings prior to initial occupancy, and any potential impacts that are identified must be monitored or mitigated. A separate work plan will be submitted to the DEC for the post-construction soil vapor intrusion evaluation; and

- The Owner of the Track 4 portion of the Site must, on the frequency required in Table 22 of this SMP, submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed on the Track 4 portion of the Site are unchanged from the previous certification or that any changes to the controls were approved by DEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and the environment or that constitute a violation or failure to comply with the control;
- Access to the Track 4 portion of the Site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement; and
- Vegetable gardens and farming on the Track 4 portion of the Site are prohibited. However, vegetable gardens and farming on the roof/terrace is permitted.
- An evaluation shall be performed to determine the need for further investigation and remediation should large scale redevelopment occur, if any of the existing structures are demolished, or if the subsurface is otherwise made accessible.

3.1.2 Status of each IC

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

3.1.3 Corrective Measures

No deficiencies in the ICs were noted for the current reporting period; therefore, no corrective measures were required.

3.1.4 IC Conclusions and Recommendations

It is recommended that the Institutional Controls remain in place.

3.2 EC Requirements and Compliance

3.2.1 EC Controls

3.2.1.1 Site Cover System

Exposure to remaining contamination at the Track 4 portion of the Site is prevented by a cover system placed over the Site. The cover system is comprised of the following:

- Concrete cellar slab - A 30- to 48-inch-thick concrete cellar level mat slab; and
- Concrete slab along Queens Blvd – A 2-inch-thick concrete slab.

Figure 2 – *Site Layout Map* presents the location of the cover system. Disturbance of the Site cover system is prohibited by the Environmental Easement. In the unlikely event the cover system is breached, penetrated or temporarily removed, and any underlying remaining contamination is disturbed, the response procedure is outlined in the Excavation Work Plan (EWP) provided in Appendix C of the SMP.

3.2.1.2 Monitoring Wells Associated with Monitored Natural Attenuation

A network of three monitoring wells were installed during the RI for the purpose of evaluation of the effectiveness of the chemical oxidant injections. Groundwater samples are collected from monitoring wells 19MW9, 20MW10, and 20MW11 on a routine quarterly basis until a bulk reduction to asymptotic concentrations has been demonstrated.

3.2.2 Status of each EC

Site Cover System
The composite cover system is a permanent control, and the quality and integrity of this system was inspected. Inspections of the sub-cellar and first floor concrete slabs were performed on March 13, 2023, and were both found to be in good condition, with no cracks, perforations, or patching observed.

Monitoring Wells Natural Attenuation
Groundwater sampling results for petroleum compounds, specifically BTEX have shown that the remedy (i.e., soil source removal and groundwater injections) has been effective in reducing contaminant concentrations in the treatment area.

3.2.3 Corrective Measures

No deficiencies of the Engineering Controls were identified in this reporting period; therefore, no corrective measures were required.

3.2.4 EC Conclusions and Recommendations

Site Cover System

The site cover system over the Track 4 portion of the Site is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in accordance with the SMP in perpetuity.

Monitoring Wells Associated with Monitored Natural Attenuation

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC project manager in consultation with NYSDOH project manager, until residual groundwater concentrations are found to be consistently below ambient water quality standards, the site SCGs, or have become asymptotic at an acceptable level over an extended period. In the event that monitoring data indicates that monitoring for natural attenuation may no longer be required, a proposal to discontinue the monitoring will be submitted by the remedial party. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC project manager. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional treatment and/or control measures will be evaluated.

4.0 MONITORING AND SAMPLING PLAN COMPLIANCE REPORT

4.1 Components of the Monitoring Plan

4.1.1 Site Cover System

A Site cover system inspection will be performed at a minimum of once per year, as listed in **Table 1**. A complete list of inspection activities is provided in the Inspection Checklist, provided in **Appendix A**. If any penetrations, holes, cracks or other disturbances are noted within the composite cover system, repairs must be made immediately under a Corrective Measures Work Plan. Site cover inspections for the Track 4 portion of the Site will continue to be performed at a minimum of once per year. Modification to the frequency of the inspections will require approval from the NYSDEC. Site inspections will also be performed after all severe weather conditions.

Table 1. Site Cover System Inspection Requirements and Schedule

Cover Components	Inspection Parameter	Inspection Schedule
Concrete cellar slab – 30- to 48-inch-thick concrete cellar level mat slab	Inspect for crack, openings, or other damage, and determine if repairs/replacement is required.	Annual
Concrete slab along Queens Blvd – 2-inch-thick concrete slab	Inspect for cracks, openings, or other damage, and determine if repairs/replacement is required.	Annual

4.1.2 Monitoring Wells Associated with Monitored Bulk Asymptotic Attenuation

Groundwater monitoring activities to assess bulk asymptotic attenuation will continue, as determined by the NYSDEC with consultation with NYSDOH, until residual groundwater concentrations are found to be consistently below ambient water quality standards, the Site SCGs, or have become asymptotic at an acceptable level over an extended period.

Table 2. Groundwater Sampling Requirements and Schedule

Sampling Location	Analytical Parameters	Schedule
19MW9	VOCs (EPA Method 8260C)	Quarterly
20MW10	VOCs (EPA Method 8260C)	Quarterly
20MW11	VOCs (EPA Method 8260C)	Quarterly
Container	(3) 40mL VOAs preserved with HCL	

4.2 Summary of Monitoring Completed During Reporting Period

Site Cover System

On March 15, 2023, a Site-wide inspection was performed, which included inspection for evidence of cracking in the concrete slab installed above the vapor barrier. The cover system was found to

be in good condition, with no cracks, penetrations, or patching observed. The completed Site Inspection Checklist – Cover System Form can be found in **Appendix A**.

Groundwater Sampling Results

Five sampling events were completed during the current reporting period.

- Routine (quarterly) sampling of the three (3) wells for BTEX was performed on September 21, 2021, March 31, 2022, May 17, 2022, August 03, 2022, November 30, 2022, and March 15, 2023. Results for these sampling events are included in **Appendix B**.

Copies of the Groundwater Sampling logs are provided in **Appendix B**. Analytical data for all sampling conducted since the first groundwater injection are included as Figure 3 – Figure 5 in **Figures**. Laboratory analytical reports for events conducted during the current reporting period are presented in **Tables**.

4.3 Comparisons with Remedial Objectives

The Remedial Action Objectives (RAOs) for Groundwater at the Site as listed in the Decision Document dated June 2020 are being met through the Institutional and Engineering Controls. Based on the groundwater monitoring results, the VOC concentrations have decreased for monitoring wells MW9, MW10, MW11R by as much as 99.8% since the beginning of the remedial program. Therefore, it is anticipated that petroleum VOC concentrations will continue to decline over time and the remedy should achieve the RAOs set forth for the Site.

4.4 Monitoring Deficiencies

Well MW11 was covered during the construction of a wall, which was built directly on top of it. As a result, well MW11 was not sampled during the March 31, 2022 sampling event. A corrective measure was completed on July 22, 2022 where well MW11R was installed as follows:

- 1-inch diameter PVC well screen (20 slot) set to nine (9) feet below grade surface with 5 feet of screen and 4 feet of riser
- NO. 2 filter pack sand to 3 feet, 2 foot bentonite seal and grout on top
- Installed within a 3.25-inch diameter borehole.

4.5 Conclusions and Recommendations

It is recommended that all monitoring components remain in place as required by the SMP. A work plan is currently being developed for the Soil Vapor Intrusion Evaluation that is required under the SMP.

5.0 OVERALL PRR CONCLUSIONS AND RECOMMENDATIONS

5.1 Compliance with SMP

The remedy remains effective and protective of human health and the environment with continued implementation of the SMP. Periodic inspections, including quarterly groundwater sampling, and annual site-wide cover inspections, were performed and documented in this PRR. The SMP and all associated institutional and engineering controls were complied with throughout the reporting period from December 23, 2021 through April 23, 2023.

5.2 Performance and Effectiveness of Remedy

Site Cover
The Site cover inspection was conducted on March 13, 2023. The cover system was found to be in good condition, with no cracks, penetrations, or patching observed.

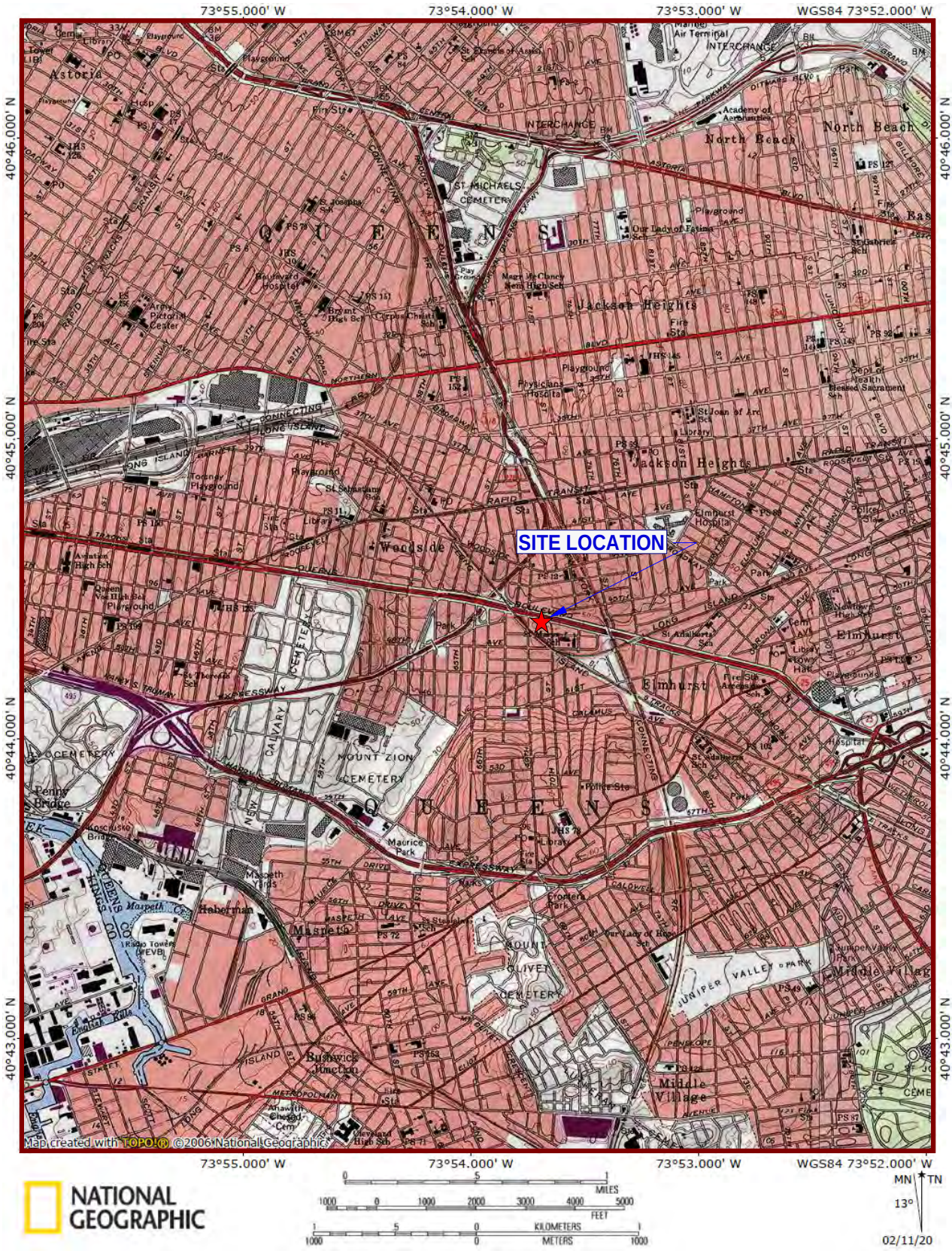
Monitoring Wells Associated with Monitored Natural Attenuation
The groundwater sampling results are reviewed as part of the reporting requirements. Monitoring will continue, as determined in consultation with NYSDEC and NYSDOH, until residual groundwater concentrations are below NYSDEC standards or have become asymptotic over an extended period. The SMP will be modified to reflect any future changes in sampling plans approved by NYSDEC.

5.3 Future PRR Submittals

Table 3. Monitoring schedule for next reporting period.

Monitoring Program	Next Scheduled Event	Frequency	Purpose	Analysis
Site Cover System	March 2024	Annually	Cover System Integrity	Visual Inspection of Conditions
Groundwater Monitoring and Sampling	May, August, and December 2023	Quarterly	Groundwater	VOCs by EPA Method 8260
Indoor Air Sampling	At the completion of construction	As needed	Soil Vapor Intrusion	VOCs by EPA Method TO15

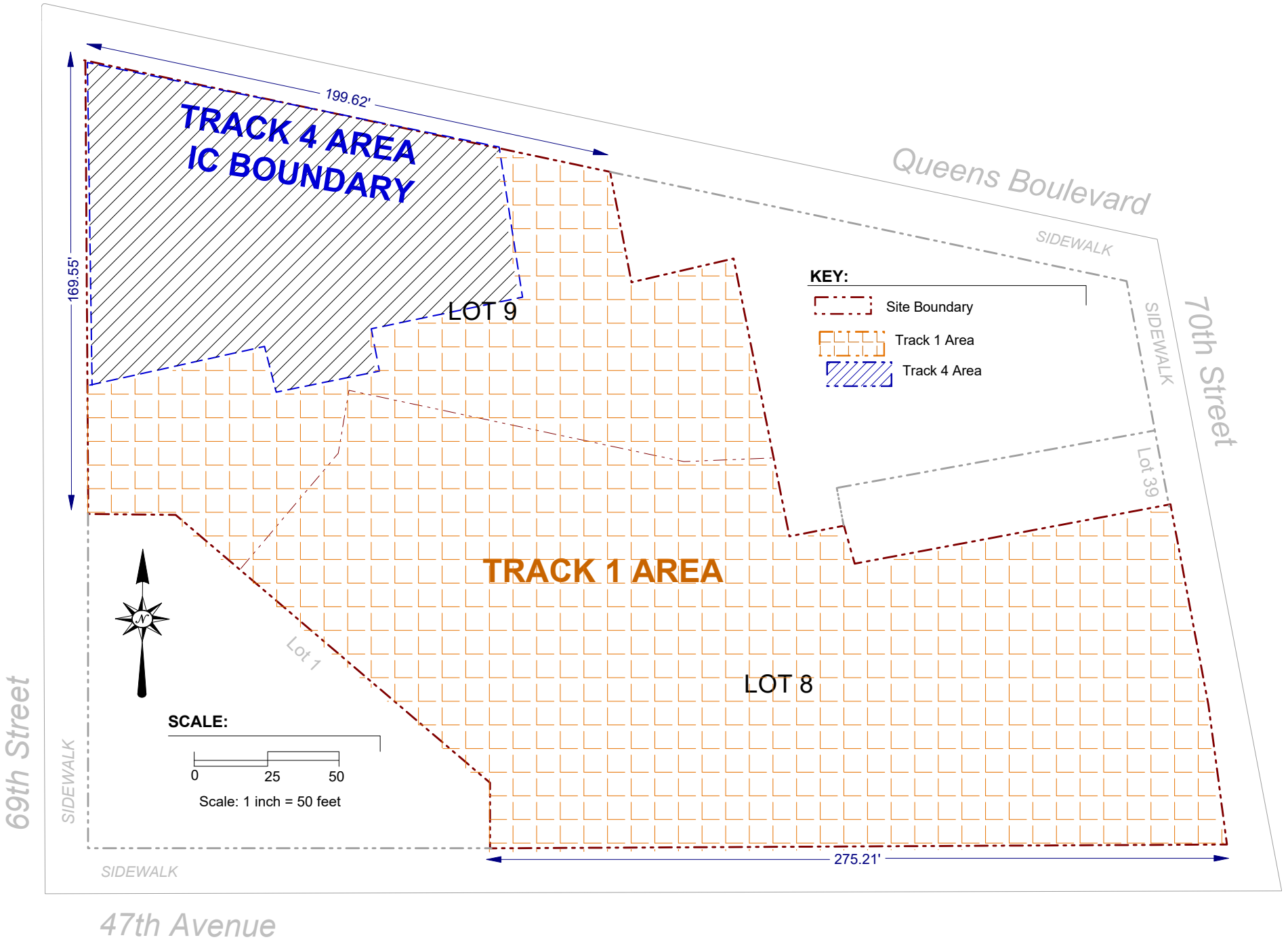
FIGURES



EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
Fax 631. 924 .2870

Figure No. 1

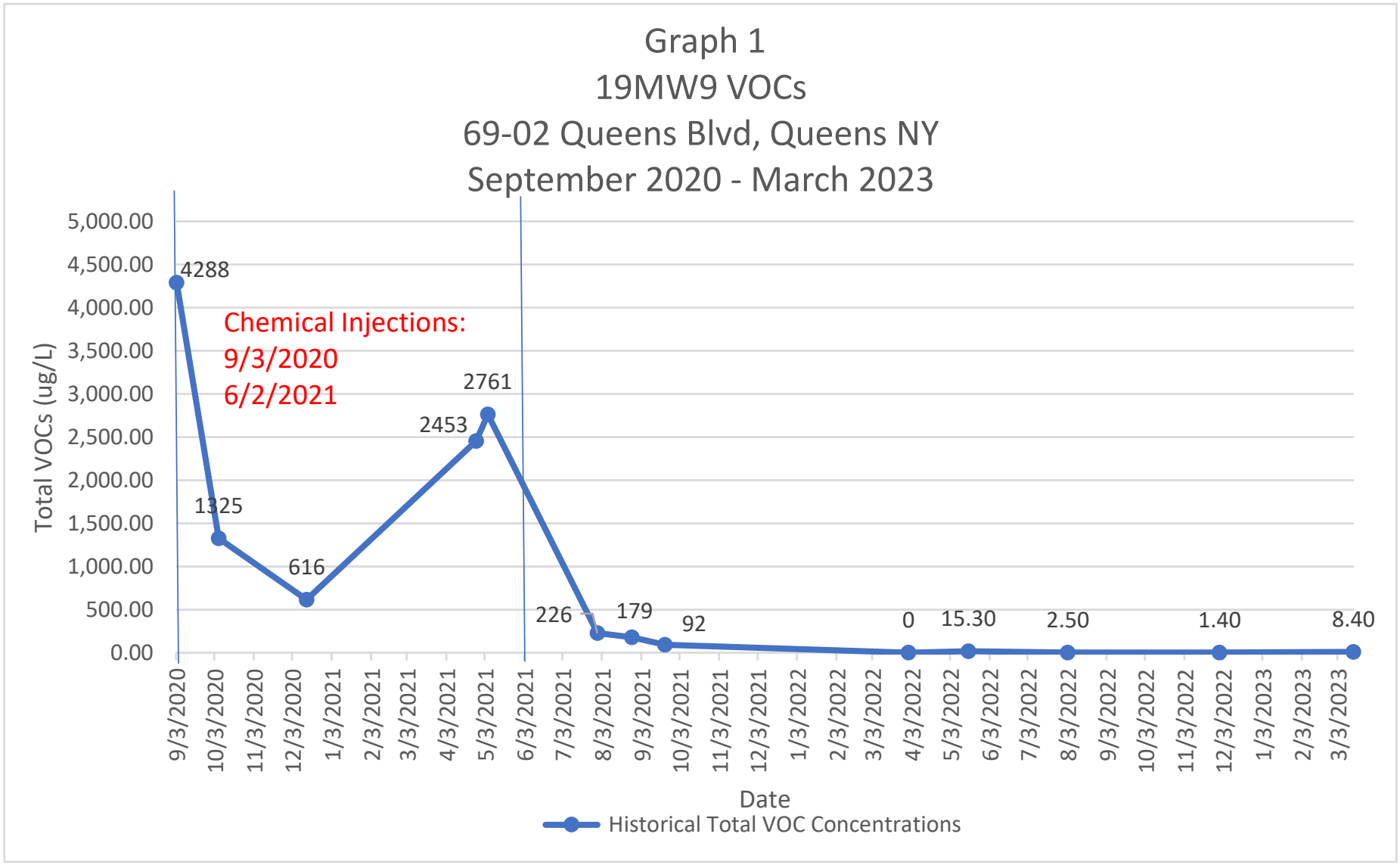
Site Name:	69-02 Queens Boulevard
Site Address:	46-09 69th Street / 46-10 70th Street, Woodside, NY
Drawing Title:	Site Location Map



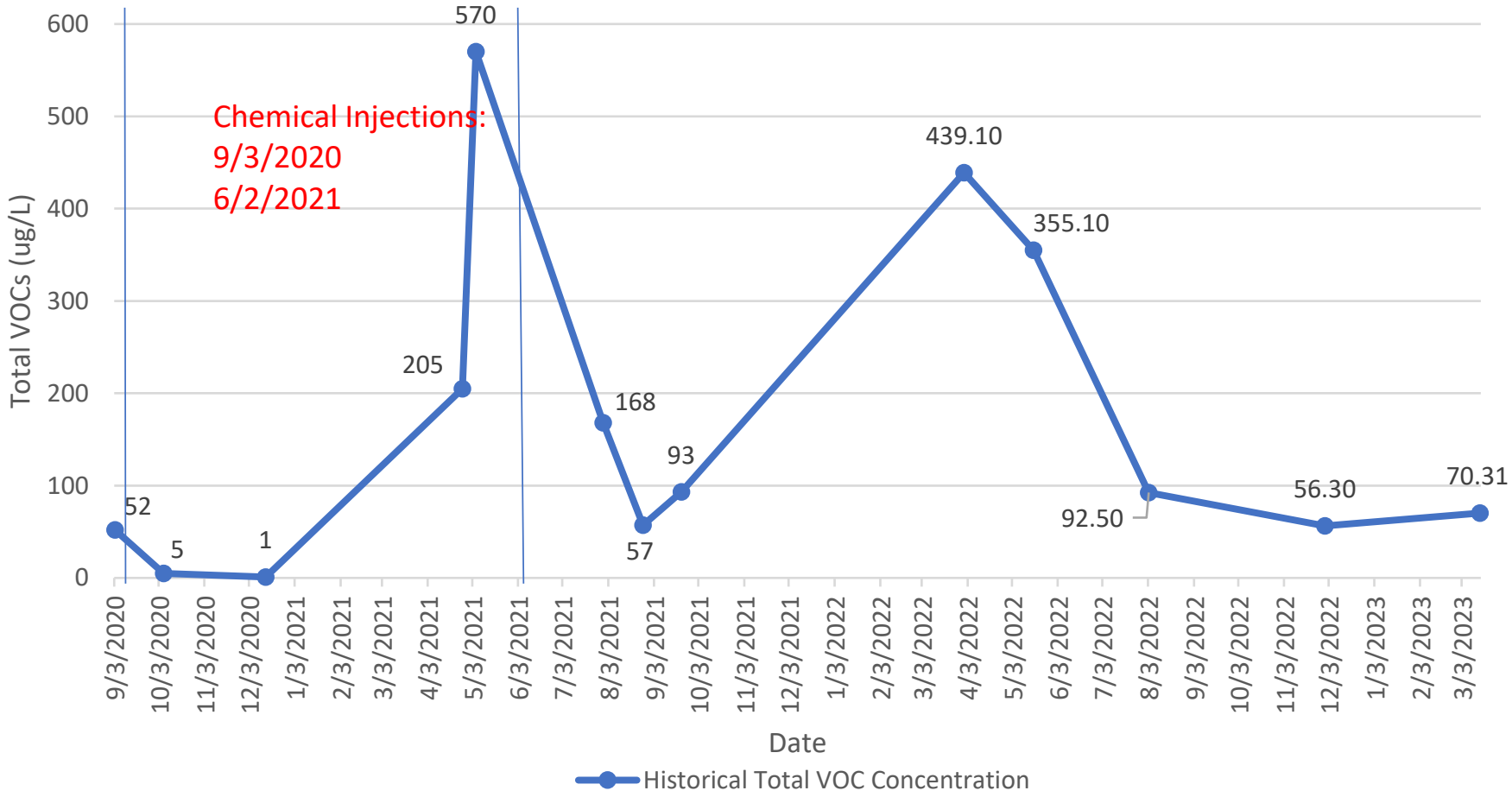
AMC Engineeting, PLLC
18-36 42nd Street
Astoria, NY 11105

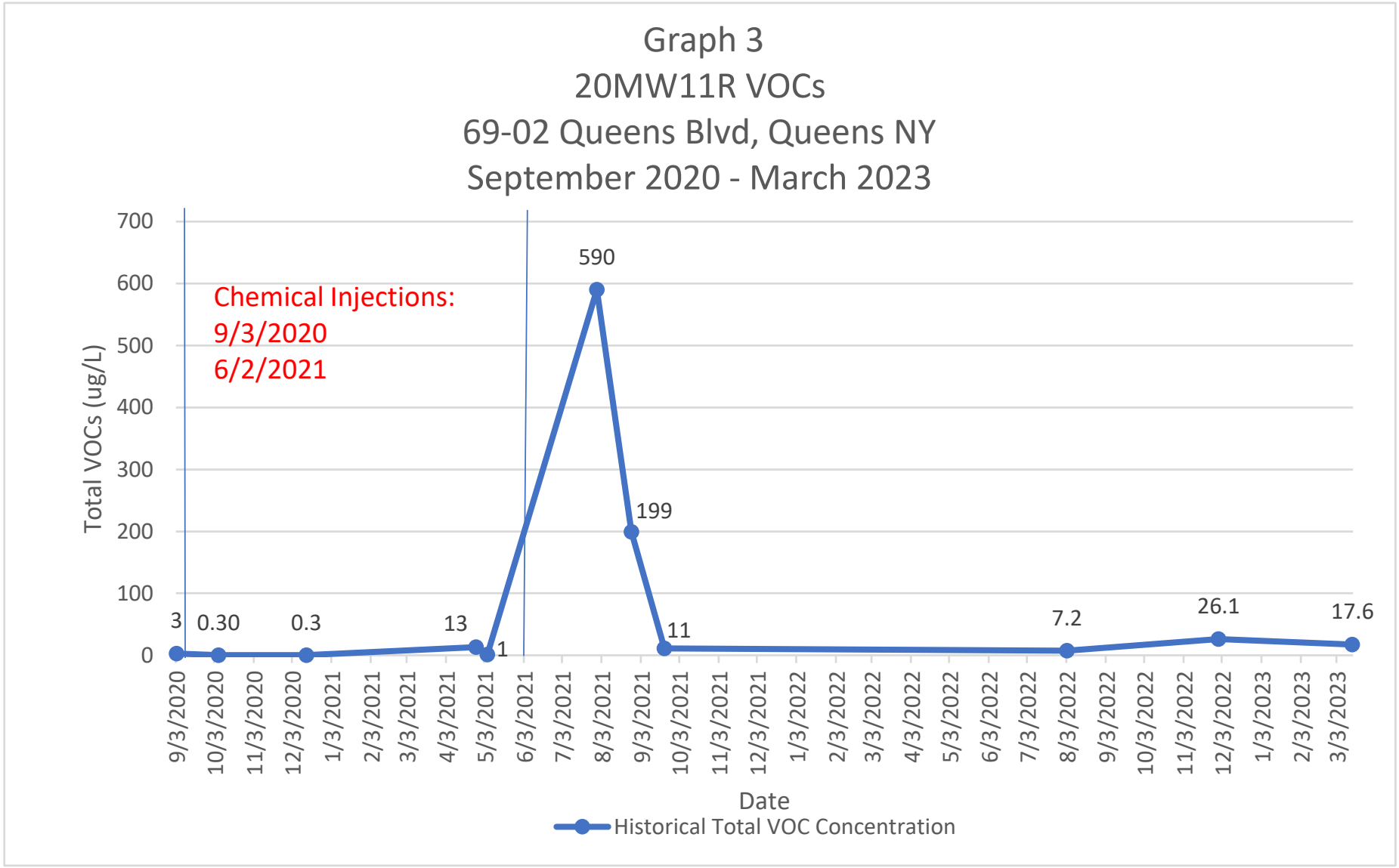
Figure No.
2
11/22/2021

Site Name: 69-02 Queens Boulevard - C241235
Site Address: 46-09 69th Street / 46-10 70th Street, Woodside, NY
Drawing Title: Site Plan


Graph 1
19MW9 VOCs
69-02 Queens Blvd, Queens NY
September 2020 - March 2023
Total VOCs (ug/L)
5,000.00
4,500.00
4,000.00
3,500.00
3,000.00
2,500.00
2,000.00
1,500.00
1,000.00
500.00
0.00
Chemical Injections:
9/3/2020
6/2/2021
4288
1325
616
2453
2761
226
179
92
0
15.30
2.50
1.40
8.40
9/3/2020
10/3/2020
11/3/2020
12/3/2020
1/3/2021
2/3/2021
3/3/2021
4/3/2021
5/3/2021
6/3/2021
7/3/2021
8/3/2021
9/3/2021
10/3/2021
11/3/2021
12/3/2021
1/3/2022
2/3/2022
3/3/2022
4/3/2022
5/3/2022
6/3/2022
7/3/2022
8/3/2022
9/3/2022
10/3/2022
11/3/2022
12/3/2022
1/3/2023
2/3/2023
3/3/2023
Date
Historical Total VOC Concentrations

Graph 2
20MW10 VOCs
69-02 Queens Blvd, Queens NY
September 2020 - March 2023




Graph 3
20MW11R VOCs
69-02 Queens Blvd, Queens NY
September 2020 - March 2023
Chemical Injections:
9/3/2020
6/2/2021
Total VOCs (ug/L)
700
600
500
400
300
200
100
0
3
0.30
0.3
13
1
590
199
11
7.2
26.1
17.6
9/3/2020
10/3/2020
11/3/2020
12/3/2020
1/3/2021
2/3/2021
3/3/2021
4/3/2021
5/3/2021
6/3/2021
7/3/2021
8/3/2021
9/3/2021
10/3/2021
11/3/2021
12/3/2021
1/3/2022
2/3/2022
3/3/2022
4/3/2022
5/3/2022
6/3/2022
7/3/2022
8/3/2022
9/3/2022
10/3/2022
11/3/2022
12/3/2022
1/3/2023
2/3/2023
3/3/2023
Date
Historical Total VOC Concentration

TABLES

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

Well ID:	19MW9			Date:	15-Mar-23
Well Depth (from TOC):	15.4	ft		Equipment:	Horiba and peristaltic pump
Static Water Level (from TOC):	6.8	ft	After: 12.05 ft		
Height of Water in Well:	8.6	ft			
Gallons of Water per Well Volume:	1.403	gal		Field Sampler:	Ahmed Elbadri
Flow Rate:	0.07	gal/min			

Time	Temp C	pH	pHmV	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)	Salinity (ppt)	Specific gravity (σt)	Pump Rate	Gal Removed	Comments
9:27	10.58	8.54	-87	-82	2.54	1000	30	1.63	1.3	0.8	0.07	0.35	Clear, Odor
9:32	9.55	8.68	-94	-42	2.58	888	17.15	1.65	1.31	0.9	0.07	0.35	Clear, Odor
9:37	10.31	8.73	-97	-20	2.51	508	15.67	1.61	1.28	0.8	0.07	0.35	Clear, Odor
9:42	9.71	8.77	-99	-2	2.55	339	15.94	1.63	1.3	0.8	0.07	0.35	Clear, Odor
9:47	9.75	8.82	-102	18	2.54	217	15.69	1.63	1.29	0.8	0.07	0.35	Clear, Odor
9:52	9.94	8.83	-103	31	2.52	149	15.39	1.62	1.29	0.8	0.07	0.35	Clear, Odor
9:57	10.28	8.86	-105	46	2.5	108	16.62	1.6	1.27	0.8	0.07	0.35	Clear, Odor

Other Notes / Comments:

Note: 250 mL = 0.07 gallons

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

Well ID:	20MW10			Date:	15-Mar-23
Well Depth (from TOC):	10.25	ft		Equipment:	Horiba and peristaltic pump
Static Water Level (from TOC):	8.1	ft	After: 8.81		
Height of Water in Well:	2.15	ft			
Gallons of Water per Well Volume:	0.351	gal		Field Sampler:	Ahmed Elbadri
Flow Rate:	0.07	gal/min			

Time	Temp C	pH	pHmV	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)	Salinity (ppt)	Specific gravity (σt)	Pump Rate	Gal Removed	Comments
11:21	11.04	12.99	-338	-80	2.51	500	20.48	1.61	1.28	0.7	0.07	0.35	Clear
11:26	11.14	12.99	-338	-82	2.47	395	11.24	1.58	1.26	0.7	0.07	0.35	Clear
11:31	11.18	12.98	-337	-84	2.44	319	11.72	1.56	1.24	0.7	0.07	0.35	Clear
11:36	11.21	12.96	-337	-86	2.4	271	11.8	1.54	1.22	0.6	0.07	0.35	Clear
11:41	11.24	12.95	-336	-87	2.39	206	12.18	1.53	1.22	0.6	0.07	0.35	Clear
11:46	11.27	12.94	-335	-88	2.35	146	12.71	1.51	1.2	0.6	0.07	0.35	Clear
11:51	11.29	12.93	-335	-89	2.33	129	12.87	1.49	1.18	0.6	0.07	0.35	Clear

Other Notes / Comments:

Note: 250 mL = 0.07 gallons

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

Well ID:	20MW11R		
Well Depth (from TOC):	8.9	ft	
Static Water Level (from TOC):	6.15	ft	After: 8.25
Height of Water in Well:	2.75	ft	
Gallons of Water per Well Volume:	0.449	gal	
Flow Rate:	0.07	gal/min	

Date: 15-Mar-23
Equipment: Horiba and peristaltic pump

Field Sampler: Ahmed Elbadri

Time	Temp C	pH	pHmV	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)	Salinity (ppt)	Specific gravity (σt)	Pump Rate	Gal Removed	Comments
13:20	10.72	10.11	-175	36	1.16	1000	35.87	0.739	0.57	0.2	0.07	0.35	Turbid
13:25	10.64	10.08	-173	46	1.14	1000	13.13	0.732	0.56	0.2	0.07	0.35	Turbid
13:30	10.56	10.03	-170	54	1.14	1000	14.48	0.728	0.56	0.2	0.07	0.35	Turbid
13:35	10.41	9.97	-167	65	1.13	914	14.67	0.722	0.55	0.2	0.07	0.35	Turbid
13:40	10.38	9.97	-167	67	1.13	920	14.7	0.721	0.55	0.2	0.07	0.35	Turbid
13:45	10.29	9.94	-165	73	1.12	866	14.68	0.719	0.55	0.2	0.07	0.35	Turbid

Other Notes / Comments:

Note: 250 mL = 0.07 gallons

Table 1 - Groundwater Analytical Results

Compound	NYSDEC Groundwater Quality Standards µg/L	19MW9									
		3/31/2022		5/17/2022		8/3/2022		11/30/2022		3/15/2023	
		Result	RI	Result	RI	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachloroethane	5	< 0.50	< 0.50	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1,1-Trichloroethane	5	< 0.50	< 0.50	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1,2,2-Tetrachloroethane	5	< 0.50	< 0.50	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
1,1,2-Trichloroethane	1	< 0.50	< 0.50	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethane	5	< 0.50	< 0.50	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethene	5	< 0.50	< 0.50	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloropropene	5	< 0.50	< 0.50	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichlorobenzene		< 0.50	< 0.50	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichloropropane	0.04	< 1.0	**1**	< 1.0	**1**	< 1.0	1	< 1.0	**1**	< 1.0	1
1,2,4-Trichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trimethylbenzene	5	< 1.0	1	4.6	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dibromo-3-chloropropane	0.04	< 1.0	**1**	< 1.0	**1**	< 1.0	1	< 1.0	**1**	< 1.0	1
1,2-Dibromoethane	0.0006	< 1.0	**1**	< 1.0	**1**	< 1.0	1	< 1.0	**1**	< 1.0	1
1,2-Dichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichloroethane	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6
1,2-Dichloropropane	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3,5-Trimethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichlorobenzene	3	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichloropropane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,4-Dichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2,2-Dichloropropane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2-Chlorotoluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2-Hexanone	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
2-Isopropyltoluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
4-Chlorotoluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
4-Methyl-2-pentanone		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Acetone	50	< 25	25	< 25	25	< 25	25	< 25	25	< 25	25
Acrylonitrile	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Benzene	1	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7
Bromobenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Bromochloromethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Bromodichloromethane	50	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Bromoform	50	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Bromomethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Carbon Disulfide		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Carbon tetrachloride	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Chlorobenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Chloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Chloroform	7	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Chloromethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,2-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Dibromochloromethane	50	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Dibromomethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Dichlorodifluoromethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Ethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Hexachlorobutadiene	0.5	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Isopropylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	1.9	1
m&p-Xylene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Methyl ethyl ketone	50	< 5.0	5	7.6	5	< 5.0	5	< 5.0	5	< 5.0	5
Methyl t-butyl ether (MTBE)		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Methylene chloride	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Naphthalene	10	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
n-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	1.4	1	5.4	1
n-Propylbenzene	5	< 1.0	1	3.1	1	2.5	1	< 1.0	1	< 1.0	1
o-Xylene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
p-Isopropyltoluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
sec-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	1.1	1
Styrene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
tert-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Tetrachloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Tetrahydrofuran (THF)	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Toluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Total Xylenes	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
trans-1,2-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
trans-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
trans-1,4-dichloro-2-butene	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Trichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorofluoromethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorotrifluoroethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Vinyl chloride	2	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
BTEX		**0.00**		**0.00**		**0.00**		**0.00**		**1.9**	
Total PVOCs		**0.00**		**15.30**		**2.50**		**0.00**		**8.4**	
Total VOCs		**0.00**		**15.30**		**2.50**		**1.40**		**8.4**	

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

Table 2 - Groundwater Analytical Results

Compound	NYSDEC Groundwater Quality Standards	20MW10									
		3/31/2022		5/17/2022		8/3/2022		11/30/2022		3/15/2023	
	µg/L	Result	RL	Result	RL	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachloroethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,1,1-Trichloroethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,1,2,2-Tetrachloroethane	5	< 0.50	0.5	< 1.0	1	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
1,1,2-Trichloroethane	1	< 1.0	1	< 2.0	**2**	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloropropene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichlorobenzene		< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichloropropane	0.04	< 1.0	**1**	< 2.0	**2**	< 1.0	**1**	< 1.0	**1**	< 1.0	**1**
1,2,4-Trichlorobenzene		< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trimethylbenzene	5	< 1.0	1	< 2.0	2	1.2	1	1.3	1	1.2	1
1,2-Dibromo-3-chloropropane	0.04	< 1.0	**1**	< 2.0	**2**	< 1.0	**1**	< 1.0	**1**	< 1.0	**1**
1,2-Dibromoethane	0.0006	< 1.0	**1**	< 2.0	**2**	< 1.0	**1**	< 1.0	**1**	< 1.0	**1**
1,2-Dichlorobenzene		< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichloroethane	0.6	< 0.60	0.6	< 1.2	**1.2**	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6
1,2-Dichloropropane	1	< 1.0	1	< 2.0	**2**	< 1.0	1	< 1.0	1	< 1.0	1
1,3,5-Trimethylbenzene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichlorobenzene	3	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichloropropane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,4-Dichlorobenzene		< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
2,2-Dichloropropane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
2-Chlorotoluene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
2-Hexanone	50	< 5.0	5	< 10	10	< 5.0	5	< 5.0	5	< 5.0	5
2-Isopropyltoluene	5	< 1.0	1	< 2.0	2	< 1.0	1	1.1	1	< 1.0	1
4-Chlorotoluene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
4-Methyl-2-pentanone		5.2	5	< 10	10	5.8	5	< 5.0	5	< 5.0	5
Acetone	50	**400**	130	**200**	50	25	25	< 25	25	< 25	25
Acrylonitrile	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Benzene	1	< 0.70	0.7	< 1.4	**1.4**	< 0.70	0.7	< 0.70	0.7	0.91	0.7
Bromobenzene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Bromochloromethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Bromodichloromethane	50	< 0.50	0.5	< 1.0	1	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Bromoform	50	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Bromomethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Carbon Disulfide		< 5.0	5	< 10	10	< 5.0	5	< 5.0	5	< 5.0	5
Carbon tetrachloride	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Chlorobenzene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Chloroethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Chloroform	7	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Chloromethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,2-Dichloroethene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.80	**0.8**	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Dibromochloromethane	50	< 0.50	0.5	< 1.0	1	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Dibromomethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Dichlorodifluoromethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Ethylbenzene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Hexachlorobutadiene	0.5	< 0.40	0.4	< 0.80	**0.8**	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Isopropylbenzene	5	2.7	1	4	2	**5.8**	1	**9.8**	1	**7.4**	1
m&p-Xylene		< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Methyl ethyl ketone	50	20	10	**130**	10	27	5	< 5.0	5	< 5.0	5
Methyl t-butyl ether (MTBE)		< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Methylene chloride	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Naphthalene	10	< 1.0	1	< 2.0	2	< 1.0	1	3.2	1	2.3	1
n-Butylbenzene	5	< 1.0	1	< 2.0	2	1.1	1	**33**	10	**53**	10
n-Propylbenzene	5	**8**	1	**19**	2	**24**	1	< 1.0	1	< 1.0	1
o-Xylene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
p-Isopropyltoluene	5	< 1.0	1	< 2.0	2	< 1.0	1	1.4	1	1.1	1
sec-Butylbenzene	5	< 1.0	1	< 2.0	2	2.6	1	**6.5**	1	4.4	1
Styrene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
tert-Butylbenzene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Tetrachloroethene	5	< 1.0	1	2.1	2	< 1.0	1	< 1.0	1	< 1.0	1
Tetrahydrofuran (THF)	50	< 2.5	2.5	< 5.0	5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Toluene	5	3.2	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Total Xylenes	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
trans-1,2-Dichloroethene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
trans-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.80	**0.8**	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
trans-1,4-dichloro-2-butene	5	< 5.0	5	< 10	**10**	< 5.0	5	< 5.0	5	< 5.0	5
Trichloroethene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorofluoromethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorotrifluoroethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Vinyl chloride	2	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
BTEX		**2.70**		**4.00**		**8.40**		**16.30**		**8.31**	
Total PVOCs		**433.90**		**355.10**		**85.60**		**23.30**		**70.31**	
Total VOCs		**439.10**		**355.10**		**92.50**		**56.30**		**70.31**	

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

Table 3 - Groundwater Analytical Results

Compound	NYSDEC Groundwater Quality Standards	20MW11R							
		8/3/2022		11/30/2022		11/30/2022		3/15/2023	
	µg/L	Results	RL	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1,1-Trichloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1,2,2-Tetrachloroethane	5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
1,1,2-Trichloroethane	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloropropene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichloropropane	0.04	< 1.0	**1**	< 1.0	**1**	< 1.0	**1**	< 1.0	**1**
1,2,4-Trichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trimethylbenzene	5	< 1.0	1	**6.8**	1	3.1	1	3.1	1
1,2-Dibromo-3-chloropropane	0.04	< 1.0	**1**	< 1.0	**1**	< 1.0	**1**	< 1.0	**1**
1,2-Dibromoethane	0.0006	< 1.0	**1**	< 1.0	**1**	< 1.0	**1**	< 1.0	**1**
1,2-Dichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichloroethane	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6
1,2-Dichloropropane	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3,5-Trimethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichlorobenzene	3	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichloropropane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,4-Dichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2,2-Dichloropropane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2-Chlorotoluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2-Hexanone	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
2-Isopropyltoluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
4-Chlorotoluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
4-Methyl-2-pentanone		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Acetone	50	< 25	25	< 25	25	< 25	25	< 25	25
Acrylonitrile	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Benzene	1	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7
Bromobenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Bromochloromethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Bromodichloromethane	50	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Bromoform	50	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Bromomethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Carbon Disulfide		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Carbon tetrachloride	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Chlorobenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Chloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Chloroform	7	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Chloromethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,2-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Dibromochloromethane	50	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Dibromomethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Dichlorodifluoromethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Ethylbenzene	5	< 1.0	1	4.1	1	4.5	1	4.5	1
Hexachlorobutadiene	0.5	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Isopropylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
m&p-Xylene		< 1.0	1	6.3	1	3	1	3	1
Methyl ethyl ketone	50	7.2	5	< 5.0	5	< 5.0	5	< 5.0	5
Methyl t-butyl ether (MTBE)		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Methylene chloride	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Naphthalene	10	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
n-Butylbenzene	5	< 1.0	1	< 1.0	1	2.4	1	2.4	1
n-Propylbenzene	5	< 1.0	1	2.6	1	1.6	1	1.6	1
o-Xylene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
p-Isopropyltoluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
sec-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Styrene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
tert-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Tetrachloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Tetrahydrofuran (THF)	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Toluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Total Xylenes	5	< 1.0	1	**6.3**	1	3	1	3	1
trans-1,2-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
trans-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
trans-1,4-dichloro-2-butene	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Trichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorofluoromethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorotrifluoroethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Vinyl chloride	2	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
BTEX		**0.00**		**0.00**		**7.5**		**7.5**	
Total PVOCs		**7.20**		**13.50**		**17.6**		**17.6**	
Total VOCs		**7.20**		**26.10**		**17.6**		**17.6**	

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

CERTIFICATION

"For each institutional or engineering control identified for the site, I certify that all of the following statements are true:

(a) the institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by DER;

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

(c) nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control; and

(d) access to the site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of this control.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Ariel Czemerinski, of 18-36 42nd Street, am certifying as Remedial Party for the site."

Name (Printed): Ariel Czemerinski

Signature:

Date: 5/24/23

STATE OF NEW YORK
ARIEL CZEMERINSKI
076508
LICENSED PROFESSIONAL ENGINEER

APPENDIX A

SITE INSPECTION CHECKLIST

Site Inspection Checklist - Cover System - Track 4 Portion of Site
69-02 Queens Boulevard
C241235

Date: 3/15/2023 Time: 2:00pm

Inspector Name/Organization: Ahmed Elbadri / AMC Engineering

Visual Inspection of Cellar Slab in Track 4 portion of Site

Inspect concrete/pavement for cracks, perforations and patching

Describe General Condition of Concrete: Concrete is in good condition

Describe any Cracks or New Penetrations: No cracks

Describe any Patching: No patching

Visual Inspection of Slab Along Queens Blvd in Track 4 portion of Site

Inspect concrete/pavement for cracks, perforations and patching

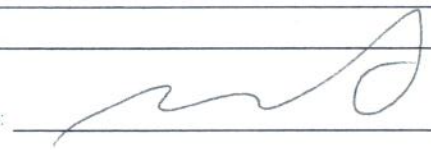
Describe General Condition of Concrete: Slab in okay condition

Describe any Cracks or New Penetrations: No cracks

Describe any Patching: No patching

Repairs Needed and / or Maintenance at this time?

No repairs needed at this time

Signature:  Date: 3/15/2023

APPENDIX B

Quarterly Sampling Reports

AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105
O: 718.545.0474

April 25, 2023

Mr. Rafi Alam
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, Albany, New York 12233

Re: Quarterly Groundwater Sampling Report
69-02 Queens Boulevard
46-09 69th Street and 46-10 70th Street Woodside, New York 11377
NYSDEC BCP Number: C241235

Dear Mr. Alam:

Please find enclosed the Quarterly Groundwater Sampling Report for the above referenced project for the first quarter of 2023 (1Q2023). In accordance with the Site Management Plan (SMP), a round of groundwater sampling was performed on March 15th, 2023, for 19MW9, 20MW10, and 20MW11R.

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

Very truly yours,
Ahmed Elbadri,
Environmental Technician

69-02 QUEENS BOULEVARD SITE
NYSDEC BCP Number C241235
Project Status Report
First Quarter 2023

Reporting Summary

Report Date:	April 25, 2023
Reporting Period:	1st Quarter of 2023
Site Status:	Construction of building is ongoing.
Work Performed this Quarter:	March 15th , 2023 – Quarterly groundwater samples were collected from the three monitoring wells.
Remediation Status:	No chemical oxidant events were performed during this period.

Monitoring Program Summary

No. of Wells:	3 on-site monitoring wells (19MW9, 20MW10, 20MW11R).
Gauging Frequency:	Quarterly for the three monitoring wells.
Sampling Frequency:	Quarterly for the three monitoring wells (19MW9, 20MW10, and 20MW11R).
Reporting Frequency:	Groundwater Sampling Report (Quarterly).
Groundwater Depth:	6.15 to 8.10 ft (sidewalk grade)
Monitoring Results:	No product was detected within any of the monitoring wells.
Sampling Results:	VOCs were detected above NYSDEC GQS in two of the three monitoring wells sampled during this event.

OXIDANT INJECTIONS:

No chemical oxidant injections were performed during this period. Chemical Oxidant Injections were last performed on September 3, 2020, and June 2, 2021.

LIQUID LEVEL MONITORING:

Depth to water readings were taken from the three monitoring wells with an electronic interface meter prior to purging the wells for sampling. No Liquid Phase Hydrocarbons (LPH) were detected in any of the monitoring wells during this quarter.

A top of casing survey was performed on 4/20/2023 by Control Point Associates Inc. to obtain the new top of casing elevation for the three wells. Groundwater elevations, determined from the depth to water readings and casing elevation, can be found in **Table 1.** The groundwater flow direction was to the east during this quarter, see **Figure 2**.

GROUNDWATER SAMPLING:

The 1Q2023 groundwater sampling event was performed on March 15th of 2023. The groundwater samples were collected from 19MW9, 20MW10, and 20MW11R in accordance with the low-flow groundwater sampling procedures outlined within the SMP. The location of all site monitoring wells and historical exceedances can be found in **Figure 1**. Copies of the Well Purging-Field Water Quality Measurements Forms are attached as **Appendix A.** The groundwater samples were picked up by laboratory dispatched courier and delivered to Phoenix Environmental Laboratories (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040, a New York State ELAP-certified environmental laboratory (ELAP Certification No. 11301). The groundwater samples were submitted for laboratory analysis of volatile organic compounds (VOCs) via EPA Method 8260C.

Copies of the laboratory reports can be found in **Appendix B**. The laboratory results are summarized and compared to their appropriate standards/criteria in **Table 2** and to previous sampling events in **Tables 3A-3C**.

GROUNDWATER SAMPLING RESULTS:

19MW9 – The VOC n-Butylbenzene (5.4 ug/L) was reported above NYSDEC GQS. The total volatile organic compound (VOC) concentration for the first quarter of 2023 (1Q2023) sampling event was reported at 8.40 µg/L. The total (VOC) concentration for the fourth quarter of 2022 (4Q2022) was 1.40 ug/L.

20MW10 – VOCs including Isopropylbenzene (7.4 ug/L) and n-Butylbenzene (53 ug/L) were reported above NYSDEC GQS. The total volatile organic compound (VOC) concentration for the first quarter of 2023 (1Q2023) sampling event was reported at 70.31 µg/L. The total (VOC) concentration for the fourth quarter of 2022 (4Q2022) was 56.30 ug/L.

20MW11R – No VOCs were reported above NYSDEC GQS. The total (VOC) concentration for the first quarter of 2023 (1Q2023) was reported at 17.60 ug/L. The total (VOC) concentration for the fourth quarter of 2022 (4Q2023) was 26.10 ug/L.

GROUNDWATER VOC CONCENTRATION TRENDS:

As shown in **Graphs 1-3**, total VOC concentrations slightly increased in two of the wells (19MW9 and 20MW10) and decreased in one of the wells (20MW11R).

FUTURE PLANS / RECOMMENDATIONS:

Quarterly groundwater sampling will continue as outlined by the SMP until otherwise noted by the Department.

TABLES

69-02 Queens Boulevard Site
62-02 Queens Boulevard, Queens, New York

Table 1
Well Survey Data

Depth to Water Readings								
Well No.	Well Diameter (in)	Total Well Depth (ft)	Screened Interval (ft)	Survey Reading (ft)	DTW (ft) 3/15/2023	DTP	PT	GW ELV 3/15/2023
19MW9	2	14	4 to 14	27.41	6.80	-	-	20.61
20MW10	2	13	3 to 13	27.49	8.10	-	-	19.39
20MW11R	1	9	4 to 14	27.44	6.15	-	-	21.29

Table 2
69-02 Queens Boulevard Site
69-02 Queens Boulevard, Queens, New York
Groundwater Analytical Results
Volatile Organic Compounds
1Q2023

Compound	NYSDEC Groundwater Quality Standards	19MW9		20MW10		20MW11R	
		3/15/2023		3/15/2023		3/15/2023	
	µg/L	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1
1,1,1-Trichloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1
1,1,2,2-Tetrachloroethane	5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
1,1,2-Trichloroethane	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloropropene	5	< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichloropropane	0.04	< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trimethylbenzene	5	< 1.0	1	1.2	1	3.1	1
1,2-Dibromo-3-chloropropane	0.04	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dibromoethane	0.0006	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichloroethane	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6
1,2-Dichloropropane	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3,5-Trimethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichlorobenzene	3	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichloropropane	5	< 1.0	1	< 1.0	1	< 1.0	1
1,4-Dichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1
2,2-Dichloropropane	5	< 1.0	1	< 1.0	1	< 1.0	1
2-Chlorotoluene	5	< 1.0	1	< 1.0	1	< 1.0	1
2-Hexanone	50	< 5.0	5	< 5.0	5	< 5.0	5
2-Isopropyltoluene	5	< 1.0	1	< 1.0	1	< 1.0	1
4-Chlorotoluene	5	< 1.0	1	< 1.0	1	< 1.0	1
4-Methyl-2-pentanone		< 5.0	5	< 5.0	5	< 5.0	5
Acetone	50	< 25	25	< 25	25	< 25	25
Acrylonitrile	5	< 1.0	1	< 1.0	1	< 1.0	1
Benzene	1	< 0.70	0.7	0.91	0.7	< 0.70	0.7
Bromobenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Bromochloromethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Bromodichloromethane	50	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Bromoform	50	< 1.0	1	< 1.0	1	< 1.0	1
Bromomethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Carbon Disulfide		< 5.0	5	< 5.0	5	< 5.0	5
Carbon tetrachloride	5	< 1.0	1	< 1.0	1	< 1.0	1
Chlorobenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Chloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Chloroform	7	< 1.0	1	< 1.0	1	< 1.0	1
Chloromethane	5	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,2-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Dibromochloromethane	50	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Dibromomethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Dichlorodifluoromethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Ethylbenzene	5	< 1.0	1	< 1.0	1	4.5	1
Hexachlorobutadiene	0.5	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Isopropylbenzene	5	1.9	1	**7.4**	1	< 1.0	1
m&p-Xylene		< 1.0	1	< 1.0	1	3	1
Methyl ethyl ketone	50	< 5.0	5	< 5.0	5	< 5.0	5
Methyl t-butyl ether (MTBE)		< 1.0	1	< 1.0	1	< 1.0	1
Methylene chloride	5	< 1.0	1	< 1.0	1	< 1.0	1
Naphthalene	10	< 1.0	1	2.3	1	< 1.0	1
n-Butylbenzene	5	**5.4**	1	**53**	10	2.4	1
n-Propylbenzene	5	< 1.0	1	< 1.0	1	1.6	1
o-Xylene	5	< 1.0	1	< 1.0	1	< 1.0	1
p-Isopropyltoluene	5	< 1.0	1	1.1	1	< 1.0	1
sec-Butylbenzene	5	1.1	1	4.4	1	< 1.0	1
Styrene	5	< 1.0	1	< 1.0	1	< 1.0	1
tert-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Tetrachloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
Tetrahydrofuran (THF)	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Toluene	5	< 1.0	1	< 1.0	1	< 1.0	1
Total Xylenes	5	< 1.0	1	< 1.0	1	3	1
trans-1,2-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
trans-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
trans-1,4-dichloro-2-butene	5	< 5.0	5	< 5.0	5	< 5.0	5
Trichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorofluoromethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorotrifluoroethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Vinyl chloride	2	< 1.0	1	< 1.0	1	< 1.0	1
BTEX		**3.00**		**11.80**		**0.00**	
Total PVOCs		**3.00**		**17.31**		**9.20**	
Total VOCs		**8.40**		**70.31**		**17.60**	

Result Exceeds Criteria

Table 3A
69-02 Queens Boulevard Site
69-02 Queens Boulevard, Queens, New York
Groundwater Analytical Results
Volatile Organic Compounds
19MW9

Compound	NYSDEC Groundwater Quality Standards	19MW9									
		3/31/2022		5/17/2022		8/3/2022		11/30/2022		3/15/2023	
	µg/L	Result	RI	Result	RI	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachloroethane	5	< 0.50	< 0.50	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1,1-Trichloroethane	5	< 0.50	< 0.50	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1,2,2-Tetrachloroethane	5	< 0.50	< 0.50	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
1,1,2-Trichloroethane	1	< 0.50	< 0.50	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethane	5	< 0.50	< 0.50	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethene	5	< 0.50	< 0.50	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloropropene	5	< 0.50	< 0.50	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichlorobenzene		< 0.50	< 0.50	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichloropropane	0.04	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trimethylbenzene	5	< 1.0	1	4.6	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dibromo-3-chloropropane	0.04	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dibromoethane	0.0006	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichloroethane	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6
1,2-Dichloropropane	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3,5-Trimethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichlorobenzene	3	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichloropropane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,4-Dichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2,2-Dichloropropane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2-Chlorotoluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2-Hexanone	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
2-Isopropyltoluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
4-Chlorotoluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
4-Methyl-2-pentanone		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Acetone	50	< 25	25	< 25	25	< 25	25	< 25	25	< 25	25
Acrylonitrile	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Benzene	1	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7
Bromobenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Bromochloromethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Bromodichloromethane	50	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Bromoform	50	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Bromomethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Carbon Disulfide		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Carbon tetrachloride	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Chlorobenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Chloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Chloroform	7	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Chloromethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,2-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Dibromochloromethane	50	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Dibromomethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Dichlorodifluoromethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Ethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Hexachlorobutadiene	0.5	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Isopropylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	1.9	1
m&p-Xylene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Methyl ethyl ketone	50	< 5.0	5	7.6	5	< 5.0	5	< 5.0	5	< 5.0	5
Methyl t-butyl ether (MTBE)		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Methylene chloride	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Naphthalene	10	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
n-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	1.4	1	**5.4**	1
n-Propylbenzene	5	< 1.0	1	3.1	1	2.5	1	< 1.0	1	< 1.0	1
o-Xylene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
p-Isopropyltoluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
sec-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	1.1	1
Styrene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
tert-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Tetrachloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Tetrahydrofuran (THF)	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Toluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Total Xylenes	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
trans-1,2-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
trans-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
trans-1,4-dichloro-2-butene	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Trichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorofluoromethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorotrifluoroethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Vinyl chloride	2	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
BTEX		**0.00**		**0.00**		**0.00**		**0.00**		**3.00**	
Total PVOCs		**0.00**		**15.30**		**2.50**		**0.00**		**3.00**	
Total VOCs		**0.00**		**15.30**		**2.50**		**1.40**		**8.40**	

Result Exceeds Criteria

Table 3B
69-02 Queens Boulevard Site
69-02 Queens Boulevard, Queens, New York
Groundwater Analytical Results
Volatile Organic Compounds
20MW10

Compound	NYSDEC Groundwater Quality Standards	20MW10									
		3/31/2022		5/17/2022		8/3/2022		11/30/2022		3/15/2023	
	µg/L	Result	RL	Result	RL	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachloroethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,1,1-Trichloroethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,1,2,2-Tetrachloroethane	5	< 0.50	0.5	< 1.0	1	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
1,1,2-Trichloroethane	1	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloropropene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichlorobenzene		< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichloropropane	0.04	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trichlorobenzene		< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trimethylbenzene	5	< 1.0	1	< 2.0	2	1.2	1	1.3	1	1.2	1
1,2-Dibromo-3-chloropropane	0.04	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dibromoethane	0.0006	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichlorobenzene		< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichloroethane	0.6	< 0.60	0.6	< 1.2	1.2	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6
1,2-Dichloropropane	1	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,3,5-Trimethylbenzene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichlorobenzene	3	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichloropropane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
1,4-Dichlorobenzene		< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
2,2-Dichloropropane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
2-Chlorotoluene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
2-Hexanone	50	< 5.0	5	< 10	10	< 5.0	5	< 5.0	5	< 5.0	5
2-Isopropyltoluene	5	< 1.0	1	< 2.0	2	< 1.0	1	1.1	1	< 1.0	1
4-Chlorotoluene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
4-Methyl-2-pentanone		5.2	5	< 10	10	5.8	5	< 5.0	5	< 5.0	5
Acetone	50	**400**	130	**200**	50	25	25	< 25	25	< 25	25
Acrylonitrile	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Benzene	1	< 0.70	0.7	< 1.4	1.4	< 0.70	0.7	< 0.70	0.7	0.91	0.7
Bromobenzene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Bromochloromethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Bromodichloromethane	50	< 0.50	0.5	< 1.0	1	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Bromoform	50	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Bromomethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Carbon Disulfide		< 5.0	5	< 10	10	< 5.0	5	< 5.0	5	< 5.0	5
Carbon tetrachloride	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Chlorobenzene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Chloroethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Chloroform	7	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Chloromethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,2-Dichloroethene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.80	0.8	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Dibromochloromethane	50	< 0.50	0.5	< 1.0	1	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Dibromomethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Dichlorodifluoromethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Ethylbenzene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Hexachlorobutadiene	0.5	< 0.40	0.4	< 0.80	0.8	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Isopropylbenzene	5	2.7	1	4	2	**5.8**	1	**9.8**	1	**7.4**	1
m&p-Xylene		< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Methyl ethyl ketone	50	20	10	**130**	10	27	5	< 5.0	5	< 5.0	5
Methyl t-butyl ether (MTBE)		< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Methylene chloride	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Naphthalene	10	< 1.0	1	< 2.0	2	< 1.0	1	3.2	1	2.3	1
n-Butylbenzene	5	< 1.0	1	< 2.0	2	1.1	1	**33**	10	**53**	10
n-Propylbenzene	5	8	1	**19**	2	**24**	1	< 1.0	1	< 1.0	1
o-Xylene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
p-Isopropyltoluene	5	< 1.0	1	< 2.0	2	< 1.0	1	1.4	1	1.1	1
sec-Butylbenzene	5	< 1.0	1	< 2.0	2	2.6	1	**6.5**	1	4.4	1
Styrene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
tert-Butylbenzene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Tetrachloroethene	5	< 1.0	1	2.1	2	< 1.0	1	< 1.0	1	< 1.0	1
Tetrahydrofuran (THF)	50	< 2.5	2.5	< 5.0	5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Toluene	5	3.2	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Total Xylenes	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
trans-1,2-Dichloroethene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
trans-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.80	0.8	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
trans-1,4-dichloro-2-butene	5	< 5.0	5	< 10	10	< 5.0	5	< 5.0	5	< 5.0	5
Trichloroethene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorofluoromethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorotrifluoroethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
Vinyl chloride	2	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1	< 1.0	1
BTEX		**2.70**		**4.00**		**8.40**		**16.30**		**11.80**	
Total PVOCs		**433.90**		**355.10**		**85.60**		**23.30**		**17.31**	
Total VOCs		**439.10**		**355.10**		**92.50**		**56.30**		**70.31**	

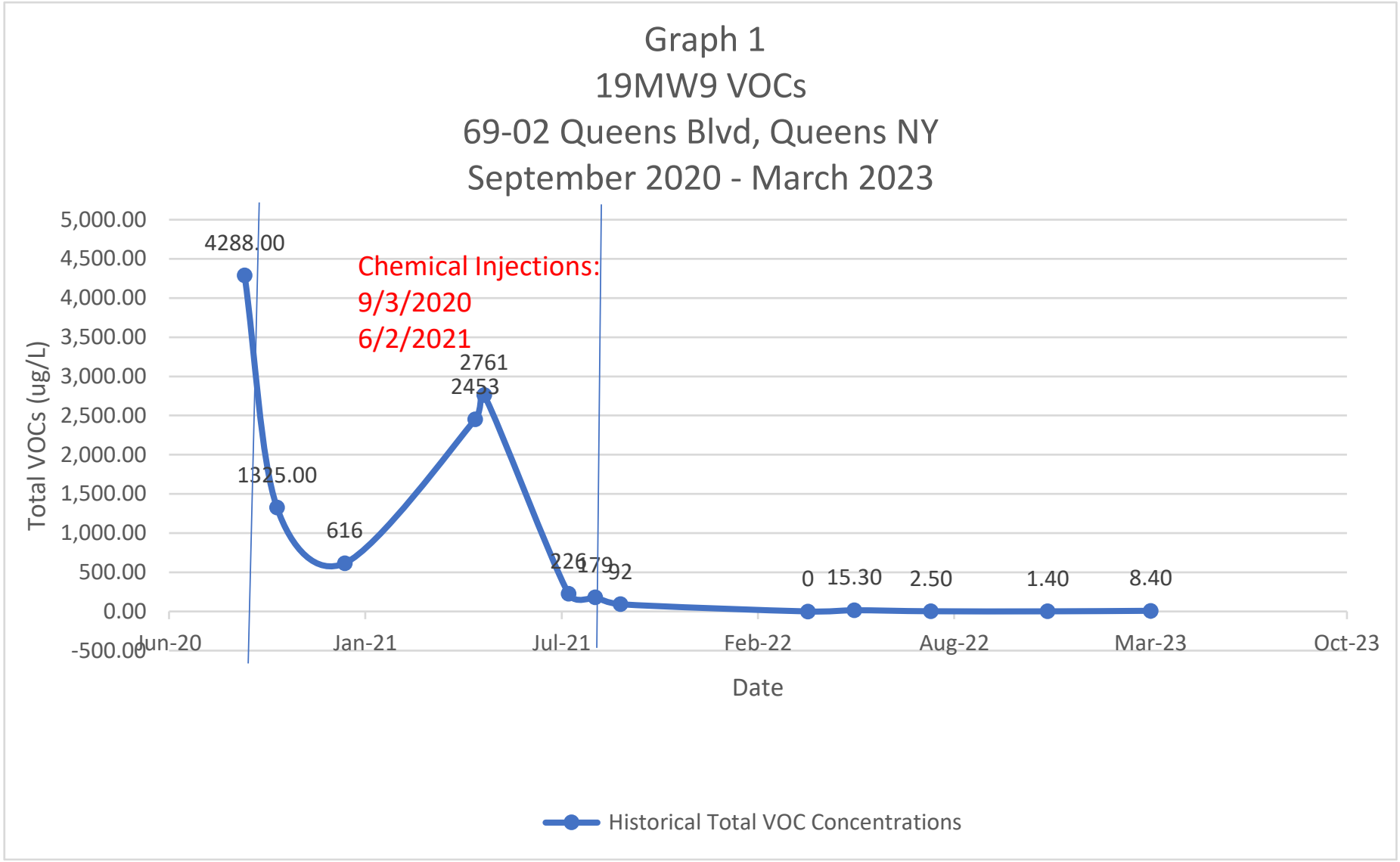
Result Exceeds Criteria

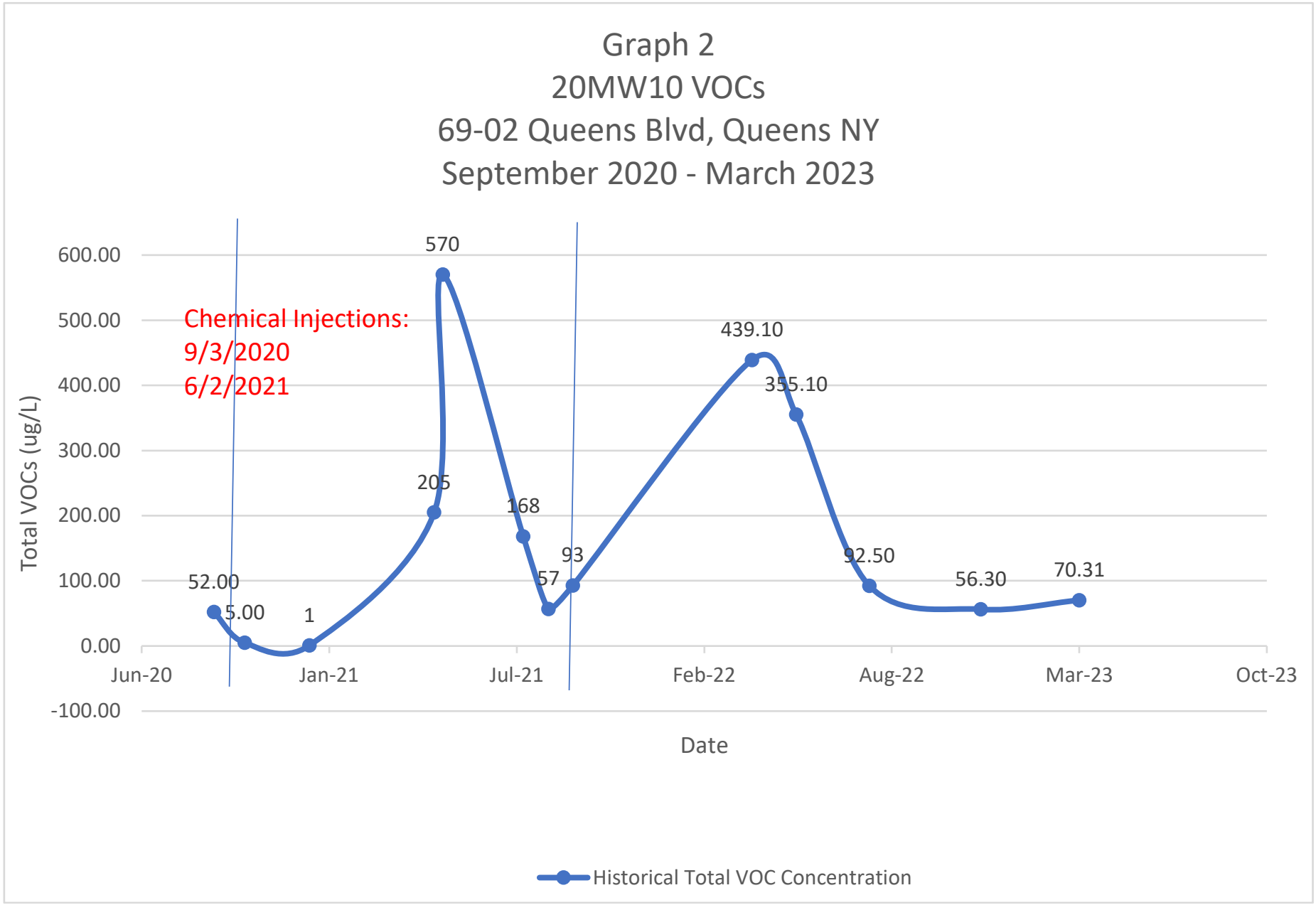
Table 3C
69-02 Queens Boulevard Site
69-02 Queens Boulevard, Queens, New York
Groundwater Analytical Results
Volatile Organic Compounds
20MW11R

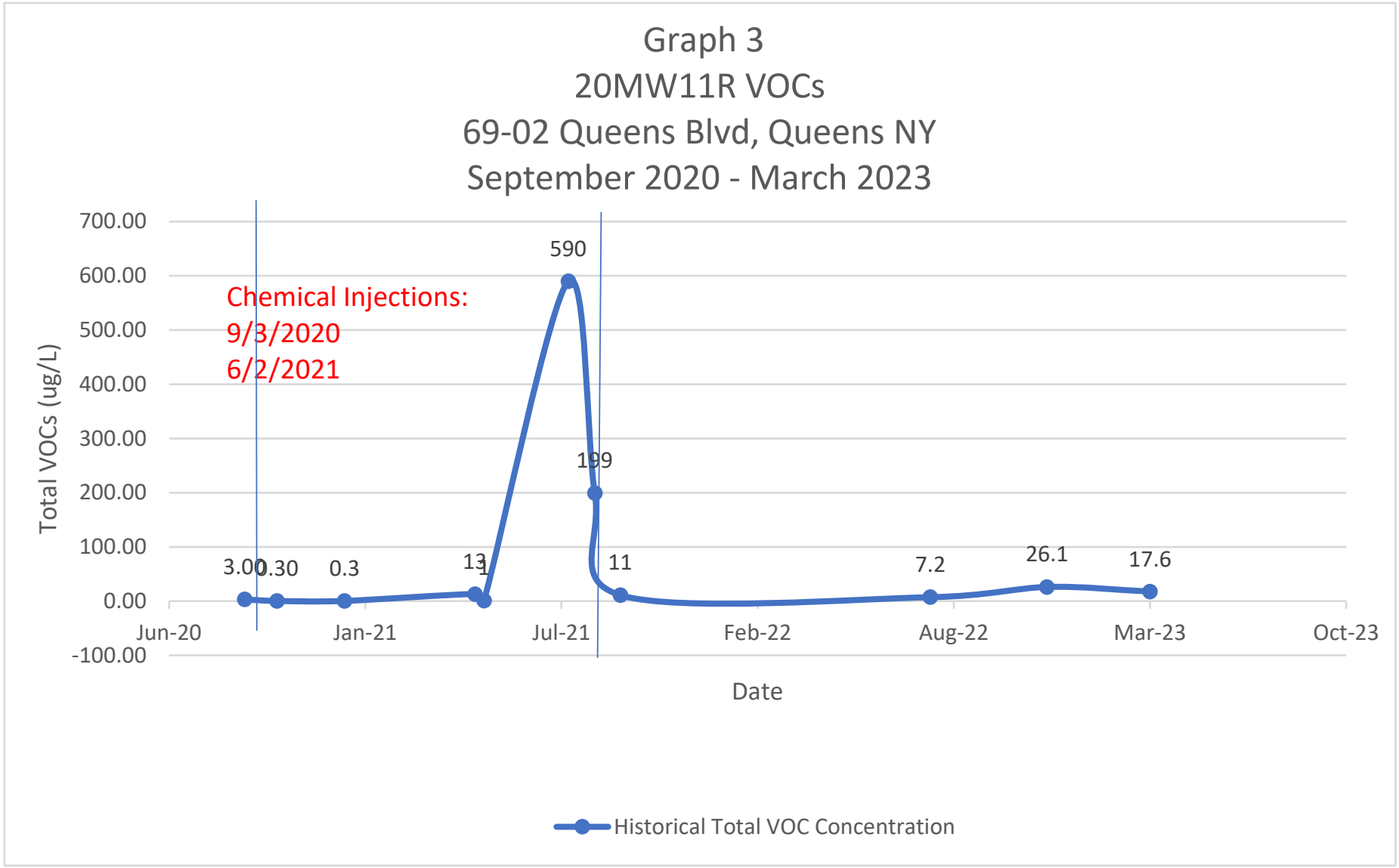
Compound	NYSDEC Groundwater Quality Standards	20MW11R					
		8/3/2022		11/30/2022		3/15/2023	
	µg/L	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1
1,1,1-Trichloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1
1,1,2,2-Tetrachloroethane	5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
1,1,2-Trichloroethane	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloropropene	5	< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichloropropane	0.04	< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trimethylbenzene	5	< 1.0	1	**6.8**	1	3.1	1
1,2-Dibromo-3-chloropropane	0.04	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dibromoethane	0.0006	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichloroethane	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6
1,2-Dichloropropane	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3,5-Trimethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichlorobenzene	3	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichloropropane	5	< 1.0	1	< 1.0	1	< 1.0	1
1,4-Dichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1
2,2-Dichloropropane	5	< 1.0	1	< 1.0	1	< 1.0	1
2-Chlorotoluene	5	< 1.0	1	< 1.0	1	< 1.0	1
2-Hexanone	50	< 5.0	5	< 5.0	5	< 5.0	5
2-Isopropyltoluene	5	< 1.0	1	< 1.0	1	< 1.0	1
4-Chlorotoluene	5	< 1.0	1	< 1.0	1	< 1.0	1
4-Methyl-2-pentanone		< 5.0	5	< 5.0	5	< 5.0	5
Acetone	50	< 25	25	< 25	25	< 25	25
Acrylonitrile	5	< 1.0	1	< 1.0	1	< 1.0	1
Benzene	1	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7
Bromobenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Bromochloromethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Bromodichloromethane	50	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Bromoform	50	< 1.0	1	< 1.0	1	< 1.0	1
Bromomethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Carbon Disulfide		< 5.0	5	< 5.0	5	< 5.0	5
Carbon tetrachloride	5	< 1.0	1	< 1.0	1	< 1.0	1
Chlorobenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Chloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Chloroform	7	< 1.0	1	< 1.0	1	< 1.0	1
Chloromethane	5	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,2-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Dibromochloromethane	50	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Dibromomethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Dichlorodifluoromethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Ethylbenzene	5	< 1.0	1	4.1	1	4.5	1
Hexachlorobutadiene	0.5	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Isopropylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
m&p-Xylene		< 1.0	1	6.3	1	3	1
Methyl ethyl ketone	50	7.2	5	< 5.0	5	< 5.0	5
Methyl t-butyl ether (MTBE)		< 1.0	1	< 1.0	1	< 1.0	1
Methylene chloride	5	< 1.0	1	< 1.0	1	< 1.0	1
Naphthalene	10	< 1.0	1	< 1.0	1	< 1.0	1
n-Butylbenzene	5	< 1.0	1	< 1.0	1	2.4	1
n-Propylbenzene	5	< 1.0	1	2.6	1	1.6	1
o-Xylene	5	< 1.0	1	< 1.0	1	< 1.0	1
p-Isopropyltoluene	5	< 1.0	1	< 1.0	1	< 1.0	1
sec-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Styrene	5	< 1.0	1	< 1.0	1	< 1.0	1
tert-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Tetrachloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
Tetrahydrofuran (THF)	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Toluene	5	< 1.0	1	< 1.0	1	< 1.0	1
Total Xylenes	5	< 1.0	1	**6.3**	1	3	1
trans-1,2-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
trans-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
trans-1,4-dichloro-2-butene	5	< 5.0	5	< 5.0	5	< 5.0	5
Trichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorofluoromethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorotrifluoroethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Vinyl chloride	2	< 1.0	1	< 1.0	1	< 1.0	1
BTEX		**0.00**		**0.00**		**0.00**	
Total PVOCs		**7.20**		**13.50**		**9.20**	
Total VOCs		**7.20**		**26.10**		**17.60**	

Result Exceeds Criteria

GRAPHS


Graph 1
19MW9 VOCs
69-02 Queens Blvd, Queens NY
September 2020 - March 2023
Total VOCs (ug/L)
5,000.00
4,500.00
4,000.00
3,500.00
3,000.00
2,500.00
2,000.00
1,500.00
1,000.00
500.00
0.00
-500.00
Jun-20
Jan-21
Jul-21
Feb-22
Aug-22
Mar-23
Oct-23
Date
4288.00
1325.00
616
2453
2761
226
179
92
0
15.30
2.50
1.40
8.40
Chemical Injections:
9/3/2020
6/2/2021
Historical Total VOC Concentrations


Graph 2
20MW10 VOCs
69-02 Queens Blvd, Queens NY
September 2020 - March 2023
Chemical Injections:
9/3/2020
6/2/2021
Total VOCs (ug/L)
600.00
500.00
400.00
300.00
200.00
100.00
0.00
-100.00
Jun-20
Jan-21
Jul-21
Feb-22
Aug-22
Mar-23
Oct-23
Date
52.00
5.00
1
205
570
168
57
93
439.10
355.10
92.50
56.30
70.31
Historical Total VOC Concentration


Graph 3
20MW11R VOCs
69-02 Queens Blvd, Queens NY
September 2020 - March 2023
Total VOCs (ug/L)
700.00
600.00
500.00
400.00
300.00
200.00
100.00
0.00
-100.00
Chemical Injections:
9/3/2020
6/2/2021
3.00
0.30
0.3
13
590
199
11
7.2
26.1
17.6
Jun-20
Jan-21
Jul-21
Feb-22
Aug-22
Mar-23
Oct-23
Date
Historical Total VOC Concentration

AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105
O: 718.545.0474

December 16, 2022

Mr. Rafi Alam
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, Albany, New York 12233

Re: Quarterly Groundwater Sampling Report
69-02 Queens Boulevard
46-09 69th Street and 46-10 70th Street Woodside, New York 11377
NYSDEC BCP Number: C241235

Dear Mr. Alam:

Please find enclosed the Quarterly Groundwater Sampling Report for the above referenced project for the fourth quarter of 2022 (4Q2022). In accordance with the Site Management Plan (SMP), a round of groundwater sampling was performed on November 30th, 2022, for 19MW9, 20MW10, and 20MW11R.

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

Very truly yours,
Ahmed Elbadri,
Environmental Technician

69-02 QUEENS BOULEVARD SITE
NYSDEC BCP Number C241235
Project Status Report
Fourth Quarter 2022

Reporting Summary

Report Date:	December 16, 2022
Reporting Period:	4th Quarter of 2022
Site Status:	The building is under construction.
Work Performed this Quarter:	November 30th , 2022 – Quarterly groundwater samples were collected from the three monitoring wells.
Remediation Status:	No chemical oxidant events were performed during this period.

Monitoring Program Summary

No. of Wells:	3 on-site monitoring wells (19MW9, 20MW10, 20MW11R).
Gauging Frequency:	Quarterly for the three monitoring wells.
Sampling Frequency:	Quarterly for the three monitoring wells (19MW9, 20MW10, and 20MW11R).
Reporting Frequency:	Groundwater Sampling Report (Quarterly).
Groundwater Depth:	6.55 to 8.70 ft (sidewalk grade)
Monitoring Results:	No product was detected within any of the monitoring wells.
Sampling Results:	VOCs were detected above NYSDEC GQS in two of the three monitoring wells sampled during this event.

OXIDANT INJECTIONS:

No chemical oxidant injections were performed during this period. Chemical Oxidant Injections were last performed on September 3, 2020, and June 2, 2021.

LIQUID LEVEL MONITORING:

Depth to water readings were taken from the three monitoring wells with an electronic interface meter prior to purging the wells for sampling. No Liquid Phase Hydrocarbons (LPH) were detected in any of the monitoring wells during this quarter.

Groundwater elevations, determined from the depth to water readings and casing elevation, can be found in **Table 1.** Casing elevation for 20MW11R has not yet been determined, therefore it was assumed to be the same as the one for 20MW11. We plan to conduct a top of casing survey during the 1Q2023 sampling event to rectify this issue. The groundwater flow direction was inclusive during this sampling event.

GROUNDWATER SAMPLING:

The 4Q2022 groundwater sampling event was performed on November 30th of 2022. The groundwater samples were collected from 19MW9, 20MW10, and 20MW11R in accordance with the low-flow groundwater sampling procedures outlined within the SMP. The location of all site monitoring wells and historical exceedances can be found in **Figure 1**. Copies of the Well Purging-Field Water Quality Measurements Forms are attached as **Appendix A.** The groundwater samples were picked up by laboratory dispatched courier and delivered to Phoenix Environmental Laboratories (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040, a New York State ELAP-certified environmental laboratory (ELAP Certification No. 11301). The groundwater samples were submitted for laboratory analysis of volatile organic compounds (VOCs) via EPA Method 8260C.

Copies of the laboratory reports can be found in **Appendix B**. The laboratory results are summarized and compared to their appropriate standards/criteria in **Table 2** and to previous sampling events in **Tables 3A-3C**.

GROUNDWATER SAMPLING RESULTS:

19MW9 – No VOCs were reported above NYSDEC GQS. The total volatile organic compound (VOC) concentration for the fourth quarter of 2022 (4Q2022) sampling event was reported at 1.40 µg/L. The total (VOC) concentration for the third quarter of 2022 (3Q2022) was 2.50 ug/L.

20MW10 – VOCs including Isopropylbenzene (9.8 ug/L), sec-Butylbenzene (6.5 ug/L) and n-Propylbenzene (33 ug/L) were reported above NYSDEC GQS. The total volatile organic compound (VOC) concentration for the fourth quarter of 2022 (4Q202) sampling event was reported at 56.3 µg/L. The total (VOC) concentration for the third quarter of 2022 (3Q2022) was 92.50 ug/L.

20MW11R –VOCs including total xylenes (6.3 ug/L) and 1,2,4-Trimethylbenzene (6.8 ug/L) were reported above NYSDEC GQS. The total (VOC) concentration for the fourth quarter of 2022 (4Q2022) was reported at 26.10 ug/L. The total (VOC) concentration for the third quarter of 2022 (3Q2022) was 7.20 ug/L.

GROUNDWATER VOC CONCENTRATION TRENDS:

As shown in **Graphs 1-3**, total VOC concentrations decreased in two of the wells (19MW9 and 20MW10) and increased in one of the wells (20MW11R).

FUTURE PLANS / RECOMMENDATIONS:

Quarterly groundwater sampling will continue as outlined by the SMP until otherwise noted by the Department. Top of casing elevation will be obtained for 20MW11R.

TABLES

69-02 Queens Boulevard Site
62-02 Queens Boulevard, Queens, New York

Table 1
Well Survey Data

Depth to Water Readings								
Well No.	Well Diameter (in)	Total Well Depth (ft)	Screened Interval (ft)	Survey Reading (ft)	DTW (ft) 11/30/2022	DTP	PT	GW ELV 11/30/2022
19MW9	2	14	4 to 14	28.94	6.90	-	-	22.04
20MW10	2	13	3 to 13	30.05	8.70	-	-	21.35
20MW11R	1	9	4 to 14	28.84	6.55	-	-	22.29

Table 3A
69-02 Queens Boulevard Site
69-02 Queens Boulevard, Queens, New York
Groundwater Analytical Results
Volatile Organic Compounds
19MW9

Compound	NYSDEC Groundwater Quality Standards	19MW9					
		3/31/2022		5/17/2022		8/3/2022	
	µg/L	Result	RI	Result	RI	Results	RL
1,1,1,2-Tetrachloroethane	5	< 0.50	< 0.50	< 1.0	1	< 1.0	1
1,1,1-Trichloroethane	5	< 0.50	< 0.50	< 1.0	1	< 1.0	1
1,1,2,2-Tetrachloroethane	5	< 0.50	< 0.50	< 0.50	0.5	< 0.50	0.5
1,1,2-Trichloroethane	1	< 0.50	< 0.50	< 1.0	1	< 1.0	1
1,1-Dichloroethane	5	< 0.50	< 0.50	< 1.0	1	< 1.0	1
1,1-Dichloroethene	5	< 0.50	< 0.50	< 1.0	1	< 1.0	1
1,1-Dichloropropene	5	< 0.50	< 0.50	< 1.0	1	< 1.0	1
1,2,3-Trichlorobenzene		< 0.50	< 0.50	< 1.0	1	< 1.0	1
1,2,3-Trichloropropane	0.04	< 1.0	**1**	< 1.0	**1**	< 1.0	1
1,2,4-Trichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trimethylbenzene	5	< 1.0	1	4.6	1	< 1.0	1
1,2-Dibromo-3-chloropropane	0.04	< 1.0	**1**	< 1.0	**1**	< 1.0	1
1,2-Dibromoethane	0.0006	< 1.0	**1**	< 1.0	**1**	< 1.0	1
1,2-Dichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichloroethane	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6
1,2-Dichloropropane	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3,5-Trimethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichlorobenzene	3	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichloropropane	5	< 1.0	1	< 1.0	1	< 1.0	1
1,4-Dichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1
2,2-Dichloropropane	5	< 1.0	1	< 1.0	1	< 1.0	1
2-Chlorotoluene	5	< 1.0	1	< 1.0	1	< 1.0	1
2-Hexanone	50	< 5.0	5	< 5.0	5	< 5.0	5
2-Isopropyltoluene	5	< 1.0	1	< 1.0	1	< 1.0	1
4-Chlorotoluene	5	< 1.0	1	< 1.0	1	< 1.0	1
4-Methyl-2-pentanone		< 5.0	5	< 5.0	5	< 5.0	5
Acetone	50	< 25	25	< 25	25	< 25	25
Acrylonitrile	5	< 1.0	1	< 1.0	1	< 1.0	1
Benzene	1	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7
Bromobenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Bromochloromethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Bromodichloromethane	50	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Bromoform	50	< 1.0	1	< 1.0	1	< 1.0	1
Bromomethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Carbon Disulfide		< 5.0	5	< 5.0	5	< 5.0	5
Carbon tetrachloride	5	< 1.0	1	< 1.0	1	< 1.0	1
Chlorobenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Chloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Chloroform	7	< 1.0	1	< 1.0	1	< 1.0	1
Chloromethane	5	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,2-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Dibromochloromethane	50	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Dibromomethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Dichlorodifluoromethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Ethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Hexachlorobutadiene	0.5	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Isopropylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
m&p-Xylene		< 1.0	1	< 1.0	1	< 1.0	1
Methyl ethyl ketone	50	< 5.0	5	7.6	5	< 5.0	5
Methyl t-butyl ether (MTBE)		< 1.0	1	< 1.0	1	< 1.0	1
Methylene chloride	5	< 1.0	1	< 1.0	1	< 1.0	1
Naphthalene	10	< 1.0	1	< 1.0	1	< 1.0	1
n-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
n-Propylbenzene	5	< 1.0	1	3.1	1	2.5	1
o-Xylene	5	< 1.0	1	< 1.0	1	< 1.0	1
p-Isopropyltoluene	5	< 1.0	1	< 1.0	1	< 1.0	1
sec-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Styrene	5	< 1.0	1	< 1.0	1	< 1.0	1
tert-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Tetrachloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
Tetrahydrofuran (THF)	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Toluene	5	< 1.0	1	< 1.0	1	< 1.0	1
Total Xylenes	5	< 1.0	1	< 1.0	1	< 1.0	1
trans-1,2-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
trans-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
trans-1,4-dichloro-2-butene	5	< 5.0	5	< 5.0	5	< 5.0	5
Trichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorofluoromethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorotrifluoroethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Vinyl chloride	2	< 1.0	1	< 1.0	1	< 1.0	1
BTEX		**0.00**		**0.00**		**0.00**	
Total PVOCs		**0.00**		**15.30**		**2.50**	
Total VOCs		**0.00**		**15.30**		**2.50**	

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

Table 3B
69-02 Queens Boulevard Site
69-02 Queens Boulevard, Queens, New York
Groundwater Analytical Results
Volatile Organic Compounds
20MW10

Compound	NYSDEC Groundwater Quality Standards	20MW10							
		3/31/2022		5/17/2022		8/3/2022		11/30/2022	
	µg/L	Result	RL	Result	RL	Results	RL	Results	RL
1,1,1,2-Tetrachloroethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,1,1-Trichloroethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,1,2,2-Tetrachloroethane	5	< 0.50	0.5	< 1.0	1	< 0.50	0.5	< 0.50	0.5
1,1,2-Trichloroethane	1	< 1.0	1	< 2.0	**2**	< 1.0	1	< 1.0	1
1,1-Dichloroethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,1-Dichloroethene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,1-Dichloropropene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,2,3-Trichlorobenzene		< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,2,3-Trichloropropane	0.04	< 1.0	**1**	< 2.0	**2**	< 1.0	**1**	< 1.0	**1**
1,2,4-Trichlorobenzene		< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,2,4-Trimethylbenzene	5	< 1.0	1	< 2.0	2	1.2	1	1.3	1
1,2-Dibromo-3-chloropropane	0.04	< 1.0	**1**	< 2.0	**2**	< 1.0	**1**	< 1.0	**1**
1,2-Dibromoethane	0.0006	< 1.0	**1**	< 2.0	**2**	< 1.0	**1**	< 1.0	**1**
1,2-Dichlorobenzene		< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,2-Dichloroethane	0.6	< 0.60	0.6	< 1.2	**1.2**	< 0.60	0.6	< 0.60	0.6
1,2-Dichloropropane	1	< 1.0	1	< 2.0	**2**	< 1.0	1	< 1.0	1
1,3,5-Trimethylbenzene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,3-Dichlorobenzene	3	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,3-Dichloropropane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
1,4-Dichlorobenzene		< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
2,2-Dichloropropane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
2-Chlorotoluene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
2-Hexanone	50	< 5.0	5	< 10	10	< 5.0	5	< 5.0	5
2-Isopropyltoluene	5	< 1.0	1	< 2.0	2	< 1.0	1	1.1	1
4-Chlorotoluene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
4-Methyl-2-pentanone		5.2	5	< 10	10	5.8	5	< 5.0	5
Acetone	50	**400**	130	**200**	50	25	25	< 25	25
Acrylonitrile	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Benzene	1	< 0.70	0.7	< 1.4	**1.4**	< 0.70	0.7	< 0.70	0.7
Bromobenzene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Bromochloromethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Bromodichloromethane	50	< 0.50	0.5	< 1.0	1	< 0.50	0.5	< 0.50	0.5
Bromoform	50	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Bromomethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Carbon Disulfide		< 5.0	5	< 10	10	< 5.0	5	< 5.0	5
Carbon tetrachloride	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Chlorobenzene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Chloroethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Chloroform	7	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Chloromethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
cis-1,2-Dichloroethene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
cis-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.80	**0.8**	< 0.40	0.4	< 0.40	0.4
Dibromochloromethane	50	< 0.50	0.5	< 1.0	1	< 0.50	0.5	< 0.50	0.5
Dibromomethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Dichlorodifluoromethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Ethylbenzene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Hexachlorobutadiene	0.5	< 0.40	0.4	< 0.80	**0.8**	< 0.40	0.4	< 0.40	0.4
Isopropylbenzene	5	2.7	1	4	2	5.8	1	9.8	1
m&p-Xylene		< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Methyl ethyl ketone	50	20	10	**130**	10	27	5	< 5.0	5
Methyl t-butyl ether (MTBE)		< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Methylene chloride	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Naphthalene	10	< 1.0	1	< 2.0	2	< 1.0	1	3.2	1
n-Butylbenzene	5	< 1.0	1	< 2.0	2	1.1	1	33	10
n-Propylbenzene	5	8	1	19	2	24	1	< 1.0	1
o-Xylene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
p-Isopropyltoluene	5	< 1.0	1	< 2.0	2	< 1.0	1	1.4	1
sec-Butylbenzene	5	< 1.0	1	< 2.0	2	2.6	1	6.5	1
Styrene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
tert-Butylbenzene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Tetrachloroethene	5	< 1.0	1	2.1	2	< 1.0	1	< 1.0	1
Tetrahydrofuran (THF)	50	< 2.5	2.5	< 5.0	5	< 2.5	2.5	< 2.5	2.5
Toluene	5	3.2	1	< 2.0	2	< 1.0	1	< 1.0	1
Total Xylenes	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
trans-1,2-Dichloroethene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
trans-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.80	**0.8**	< 0.40	0.4	< 0.40	0.4
trans-1,4-dichloro-2-butene	5	< 5.0	5	< 10	**10**	< 5.0	5	< 5.0	5
Trichloroethene	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Trichlorofluoromethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Trichlorotrifluoroethane	5	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
Vinyl chloride	2	< 1.0	1	< 2.0	2	< 1.0	1	< 1.0	1
BTEX		**2.70**		**4.00**		**8.40**		**16.30**	
Total PVOCs		**433.90**		**355.10**		**85.60**		**23.30**	
Total VOCs		**439.10**		**355.10**		**92.50**		**56.30**	

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

Table 3C
69-02 Queens Boulevard Site
69-02 Queens Boulevard, Queens, New York
Groundwater Analytical Results
Volatile Organic Compounds
20MW11

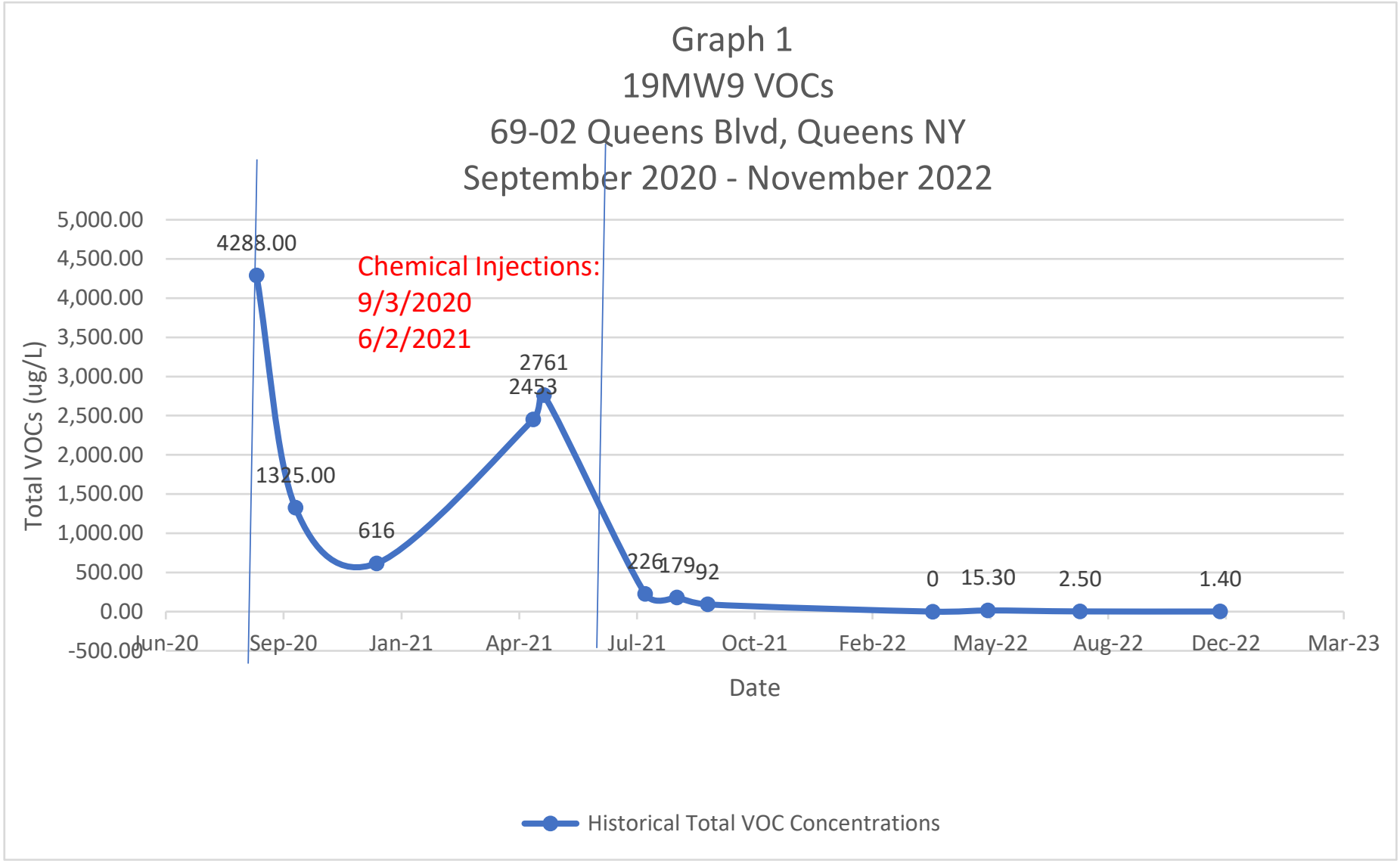
Compound	NYSDEC Groundwater Quality Standards	20MW11R			
		8/3/2022		11/30/2022	
	µg/L	Results	RL	Results	RL
1,1,1,2-Tetrachloroethane	5	< 1.0	1	< 1.0	1
1,1,1-Trichloroethane	5	< 1.0	1	< 1.0	1
1,1,2,2-Tetrachloroethane	5	< 0.50	0.5	< 0.50	0.5
1,1,2-Trichloroethane	1	< 1.0	1	< 1.0	1
1,1-Dichloroethane	5	< 1.0	1	< 1.0	1
1,1-Dichloroethene	5	< 1.0	1	< 1.0	1
1,1-Dichloropropene	5	< 1.0	1	< 1.0	1
1,2,3-Trichlorobenzene		< 1.0	1	< 1.0	1
1,2,3-Trichloropropane	0.04	< 1.0	1	< 1.0	1
1,2,4-Trichlorobenzene		< 1.0	1	< 1.0	1
1,2,4-Trimethylbenzene	5	< 1.0	1	6.8	1
1,2-Dibromo-3-chloropropane	0.04	< 1.0	1	< 1.0	1
1,2-Dibromoethane	0.0006	< 1.0	1	< 1.0	1
1,2-Dichlorobenzene		< 1.0	1	< 1.0	1
1,2-Dichloroethane	0.6	< 0.60	0.6	< 0.60	0.6
1,2-Dichloropropane	1	< 1.0	1	< 1.0	1
1,3,5-Trimethylbenzene	5	< 1.0	1	< 1.0	1
1,3-Dichlorobenzene	3	< 1.0	1	< 1.0	1
1,3-Dichloropropane	5	< 1.0	1	< 1.0	1
1,4-Dichlorobenzene		< 1.0	1	< 1.0	1
2,2-Dichloropropane	5	< 1.0	1	< 1.0	1
2-Chlorotoluene	5	< 1.0	1	< 1.0	1
2-Hexanone	50	< 5.0	5	< 5.0	5
2-Isopropyltoluene	5	< 1.0	1	< 1.0	1
4-Chlorotoluene	5	< 1.0	1	< 1.0	1
4-Methyl-2-pentanone		< 5.0	5	< 5.0	5
Acetone	50	< 25	25	< 25	25
Acrylonitrile	5	< 1.0	1	< 1.0	1
Benzene	1	< 0.70	0.7	< 0.70	0.7
Bromobenzene	5	< 1.0	1	< 1.0	1
Bromochloromethane	5	< 1.0	1	< 1.0	1
Bromodichloromethane	50	< 0.50	0.5	< 0.50	0.5
Bromoform	50	< 1.0	1	< 1.0	1
Bromomethane	5	< 1.0	1	< 1.0	1
Carbon Disulfide		< 5.0	5	< 5.0	5
Carbon tetrachloride	5	< 1.0	1	< 1.0	1
Chlorobenzene	5	< 1.0	1	< 1.0	1
Chloroethane	5	< 1.0	1	< 1.0	1
Chloroform	7	< 1.0	1	< 1.0	1
Chloromethane	5	< 1.0	1	< 1.0	1
cis-1,2-Dichloroethene	5	< 1.0	1	< 1.0	1
cis-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.40	0.4
Dibromochloromethane	50	< 0.50	0.5	< 0.50	0.5
Dibromomethane	5	< 1.0	1	< 1.0	1
Dichlorodifluoromethane	5	< 1.0	1	< 1.0	1
Ethylbenzene	5	< 1.0	1	4.1	1
Hexachlorobutadiene	0.5	< 0.40	0.4	< 0.40	0.4
Isopropylbenzene	5	< 1.0	1	< 1.0	1
m&p-Xylene		< 1.0	1	6.3	1
Methyl ethyl ketone	50	7.2	5	< 5.0	5
Methyl t-butyl ether (MTBE)		< 1.0	1	< 1.0	1
Methylene chloride	5	< 1.0	1	< 1.0	1
Naphthalene	10	< 1.0	1	< 1.0	1
n-Butylbenzene	5	< 1.0	1	< 1.0	1
n-Propylbenzene	5	< 1.0	1	2.6	1
o-Xylene	5	< 1.0	1	< 1.0	1
p-Isopropyltoluene	5	< 1.0	1	< 1.0	1
sec-Butylbenzene	5	< 1.0	1	< 1.0	1
Styrene	5	< 1.0	1	< 1.0	1
tert-Butylbenzene	5	< 1.0	1	< 1.0	1
Tetrachloroethene	5	< 1.0	1	< 1.0	1
Tetrahydrofuran (THF)	50	< 2.5	2.5	< 2.5	2.5
Toluene	5	< 1.0	1	< 1.0	1
Total Xylenes	5	< 1.0	1	6.3	1
trans-1,2-Dichloroethene	5	< 1.0	1	< 1.0	1
trans-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.40	0.4
trans-1,4-dichloro-2-butene	5	< 5.0	5	< 5.0	5
Trichloroethene	5	< 1.0	1	< 1.0	1
Trichlorofluoromethane	5	< 1.0	1	< 1.0	1
Trichlorotrifluoroethane	5	< 1.0	1	< 1.0	1
Vinyl chloride	2	< 1.0	1	< 1.0	1
BTEX		0.00		0.00	
Total PVOCs		7.20		13.50	
Total VOCs		7.20		26.10	

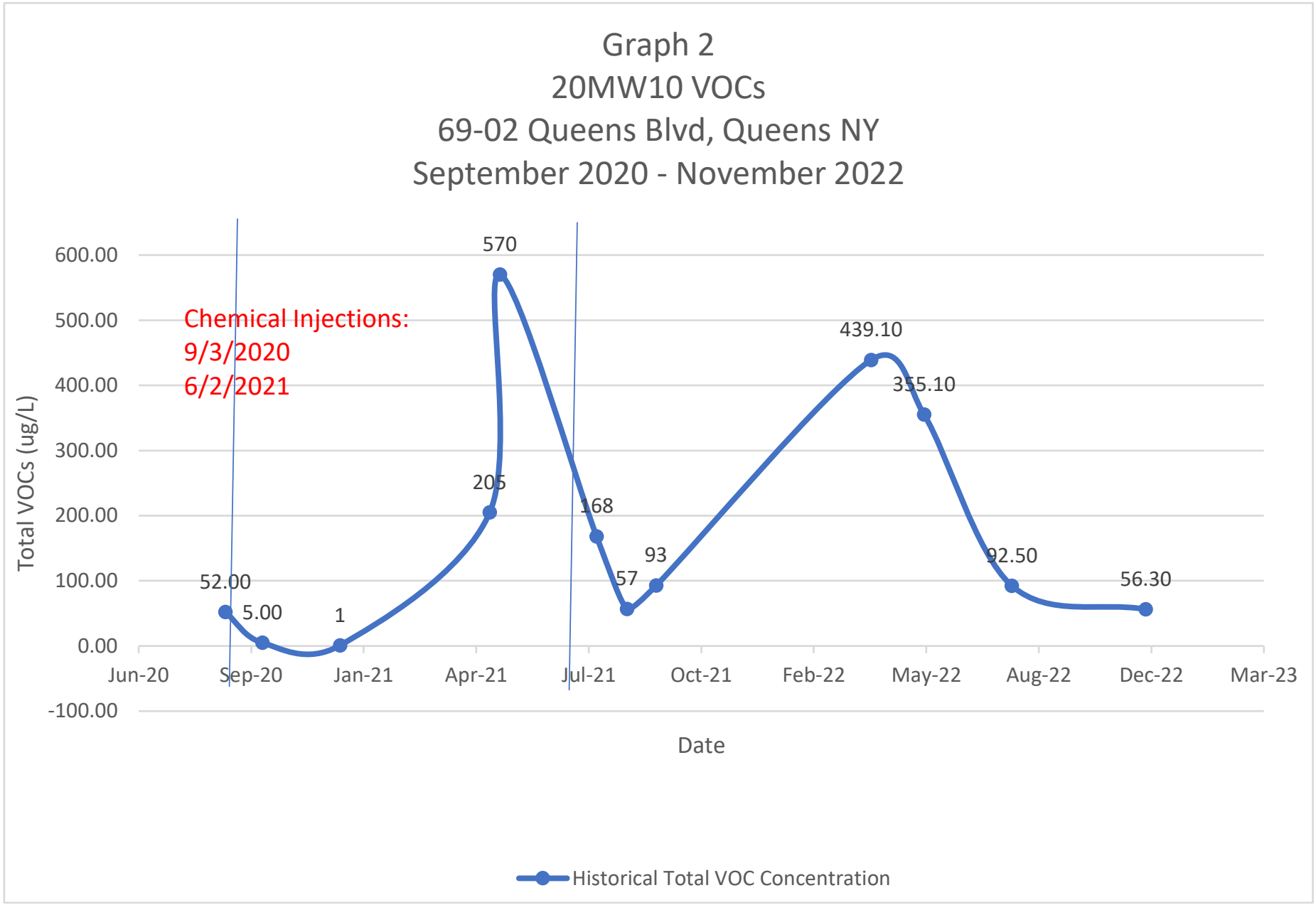
Result Detected

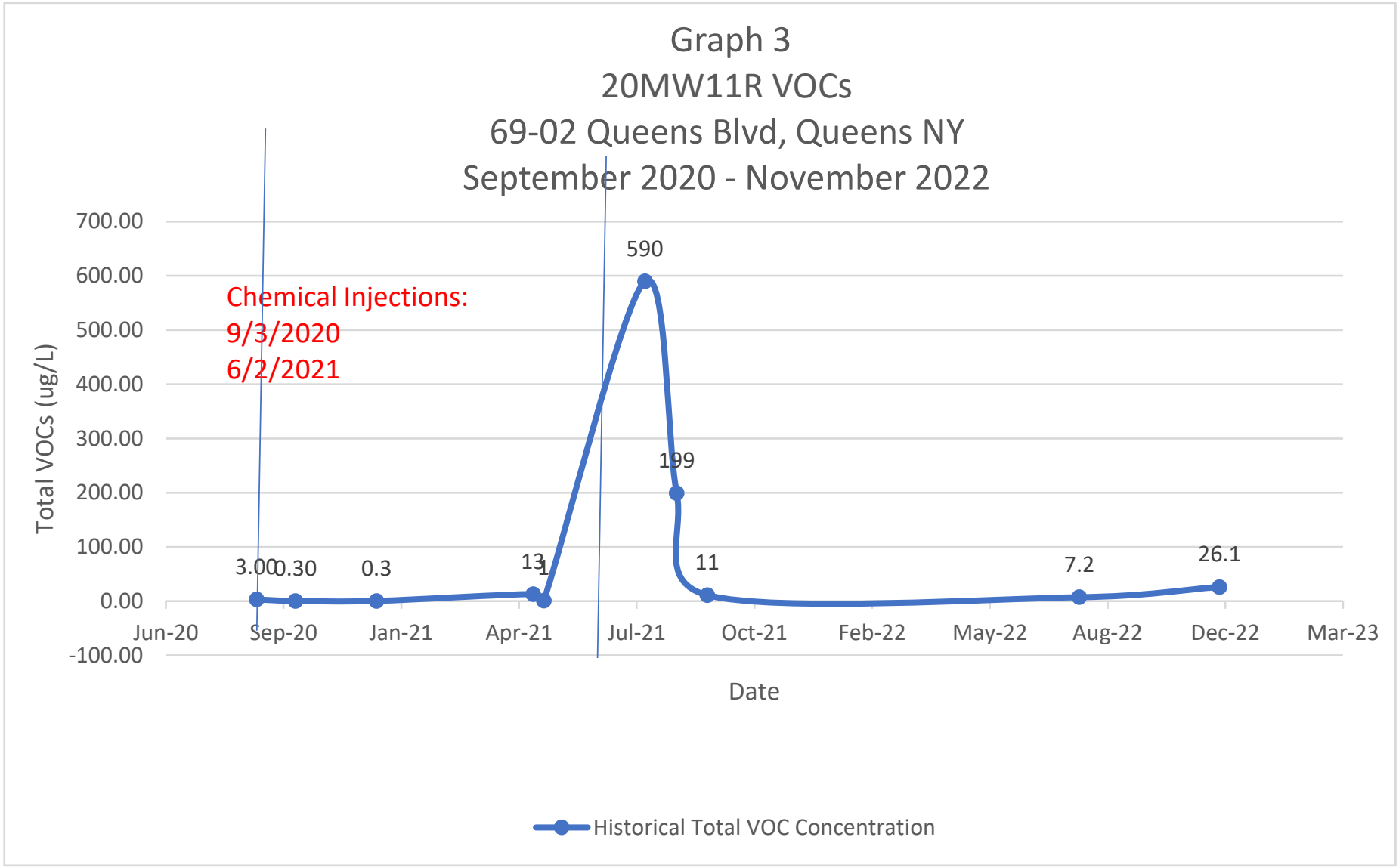
RL Exceeds Criteria

Result Exceeds Criteria

GRAPHS


Graph 1
19MW9 VOCs
69-02 Queens Blvd, Queens NY
September 2020 - November 2022
Total VOCs (ug/L)
5,000.00
4,500.00
4,000.00
3,500.00
3,000.00
2,500.00
2,000.00
1,500.00
1,000.00
500.00
0.00
-500.00
4288.00
1325.00
616
2761
2453
226
179
92
0
15.30
2.50
1.40
Chemical Injections:
9/3/2020
6/2/2021
Jun-20
Sep-20
Jan-21
Apr-21
Jul-21
Oct-21
Feb-22
May-22
Aug-22
Dec-22
Mar-23
Date
Historical Total VOC Concentrations


Graph 2
20MW10 VOCs
69-02 Queens Blvd, Queens NY
September 2020 - November 2022
Chemical Injections:
9/3/2020
6/2/2021
Total VOCs (ug/L)
600.00
500.00
400.00
300.00
200.00
100.00
0.00
-100.00
52.00
5.00
1
205
570
168
57
93
439.10
355.10
92.50
56.30
Jun-20
Sep-20
Jan-21
Apr-21
Jul-21
Oct-21
Feb-22
May-22
Aug-22
Dec-22
Mar-23
Date
Historical Total VOC Concentration


Graph 3
20MW11R VOCs
69-02 Queens Blvd, Queens NY
September 2020 - November 2022
Chemical Injections:
9/3/2020
6/2/2021
Total VOCs (ug/L)
700.00
600.00
500.00
400.00
300.00
200.00
100.00
0.00
-100.00
3.00
0.30
0.3
13
1
590
199
11
7.2
26.1
Jun-20
Sep-20
Jan-21
Apr-21
Jul-21
Oct-21
Feb-22
May-22
Aug-22
Dec-22
Mar-23
Date
Historical Total VOC Concentration

AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105
O: 718.545.0474

November 2, 2022

Mr. Rafi Alam
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, Albany, New York 12233

Re: Quarterly Groundwater Sampling Report
69-02 Queens Boulevard
46-09 69th Street and 46-10 70th Street Woodside, New York 11377
NYSDEC BCP Number: C241235

Dear Mr. Alam:

Please find enclosed the Quarterly Groundwater Sampling Report for the above referenced project for the third quarter of 2022. In accordance with the Site Management Plan (SMP), a round of groundwater sampling was performed on August 3rd, 2022, for 19MW9, 20MW10, and 20MW11R.

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

Very truly yours,

Andrew Sung, EIT
Environmental Engineer

69-02 QUEENS BOULEVARD SITE
NYSDEC BCP Number C241235
Project Status Report
Third Quarter 2022

Reporting Summary

Report Date:	November 2, 2022
Reporting Period:	3rd Quarter of 2022
Site Status:	The building is under construction.
Work Performed this Quarter:	July 22nd 2022 – 20MW11 was reinstalled since it has fallen under a concrete block. Vapor barrier was repaired. This was done under the SMP. Monitoring Well Log and CAMP Log can be found in **Appendix C**. August 3rd, 2022 – Quarterly groundwater samples were collected from the three monitoring wells.
Remediation Status:	No chemical oxidant events were performed during this period.

Monitoring Program Summary

No. of Wells:	3 on-site monitoring wells (19MW9, 20MW10, 20MW11R).
Gauging Frequency:	Quarterly for the three monitoring wells.
Sampling Frequency:	Quarterly for the three monitoring wells (19MW9, 20MW10, and 20MW11R).
Reporting Frequency:	Groundwater Sampling Report (Quarterly).
Groundwater Depth:	2.85 to 8.70 ft (sidewalk grade)
Monitoring Results:	No product was detected within any of the monitoring wells.
Sampling Results:	VOCs were detected above NYSDEC GQS in two of the three monitoring wells sampled during this event.

OXIDANT INJECTIONS:

No chemical oxidant injections were performed during this period. Chemical Oxidant Injections were last performed on September 3, 2020, and June 2, 2021.

LIQUID LEVEL MONITORING:

Depth to water readings were taken from the three monitoring wells with an electronic interface meter prior to purging the wells for sampling. No Liquid Phase Hydrocarbons (LPH) were detected in any of the monitoring wells during this quarter.

Groundwater elevations, determined from the depth to water readings and casing elevation, can be found in **Table 1.** The groundwater flow direction was determined to flow to the south-southeast.

GROUNDWATER SAMPLING:

The 3Q2022 groundwater sampling event was performed on August 3rd of 2022. The groundwater samples were collected from 19MW9, 20MW10. And 20MW11R in accordance with the low-flow groundwater sampling procedures outlined within the SMP. The location of all site monitoring wells, and chemical oxidant injection wells can be found in **Figure 1**. Copies of the Well Purging-Field Water Quality Measurements Forms are attached as **Appendix A.** The groundwater samples were picked up by laboratory dispatched courier and delivered to Phoenix Environmental Laboratories (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040, a New York State ELAP-certified environmental laboratory (ELAP Certification No. 11301). The groundwater samples were submitted for laboratory analysis of volatile organic compounds (VOCs) via EPA Method 8260C.

Copies of the laboratory reports can be found in **Appendix B**. The laboratory results are summarized and compared to their appropriate standards/criteria in **Table 2** and to previous sampling events in **Tables 3A-3C**.

GROUNDWATER SAMPLING RESULTS:

19MW9 – No VOCs were reported above NYSDEC GQS. The total volatile organic compound (VOC) concentration for the third quarter of 2022 sampling event was reported at 2.50 µg/L, which represents an approximate 83.7% decrease when compared to the previous (5/17/2022) result of 15.30 ug/L.

20MW10 – VOCs including Isopropylbenzene (5.8 ug/L) and n-Propylbenzene (24 ug/L) was reported above NYSDEC GQS. The total volatile organic compound (VOC) concentration for the third quarter of 2022 sampling event was reported at 92.50 µg/L, which represents an approximate 74.0% decrease when compared to the previous (5/17/2022) result of 355.10 ug/L.

20MW11R – MW11 was under a brick wall and had been grouted solid with concrete. On July 22nd, 2022, Coastal Environmental, Under AMC supervision, installed the new well, MW11R, in close proximity to the older well. No VOCs were reported above NYSDEC GQS. The total VOC concentration for the third quarter of 2022 was reported at 7.2 ug/L. Sampling results are not available for the previous quarter due to blockage of the monitoring well which prevented access.

GROUNDWATER VOC CONCENTRATION TRENDS:

As shown in **Graphs 1-3**, total VOC concentrations decreased in two of the wells (19MW9 and 20MW10) and one of the wells (20MW11R) does not have previous results, therefore, a trend cannot be determined.

FUTURE PLANS / RECOMMENDATIONS:

Based on the groundwater sampling results, the total VOC concentrations have decreased in two of the wells (19MW9 and 20MW10) and a trend cannot be established due to lack of previous results for one well due to blockage of access (20MW11R).

Quarterly groundwater sampling will continue as outlined by the SMP until otherwise noted by the Department.

TABLES

69-02 Queens Boulevard Site
62-02 Queens Boulevard, Queens, New York

Table 1
Well Survey Data

Depth to Water Readings								
Well No.	Well Diameter (in)	Total Well Depth (ft)	Screened Interval (ft)	Survey Reading	DTW 8/3/2022	DTP	PT	GW ELV 8/3/2022
19MW9	2	14	4 to 14	-	8.70	-	-	
20MW10	2	13	3 to 13	-	7.40	-	-	
20MW11	1	9	4 to 14	-	2.85	-	-	

Table 2
69-02 Queens Boulevard Site
69-02 Queens Boulevard, Queens, New York
Groundwater Analytical Results
Volatile Organic Compounds
3Q2022

Compound	NYSDEC Groundwater Quality Standards	19MW9		20MW10		20MW11	
		8/3/2022		8/3/2022		8/3/2022	
	µg/L	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1
1,1,1-Trichloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1
1,1,2,2-Tetrachloroethane	5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
1,1,2-Trichloroethane	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloropropene	5	< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichloropropane	0.04	< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trimethylbenzene	5	< 1.0	1	1.2	1	< 1.0	1
1,2-Dibromo-3-chloropropane	0.04	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dibromoethane	0.0006	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichloroethane	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6
1,2-Dichloropropane	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3,5-Trimethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichlorobenzene	3	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichloropropane	5	< 1.0	1	< 1.0	1	< 1.0	1
1,4-Dichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1
2,2-Dichloropropane	5	< 1.0	1	< 1.0	1	< 1.0	1
2-Chlorotoluene	5	< 1.0	1	< 1.0	1	< 1.0	1
2-Hexanone	50	< 5.0	5	< 5.0	5	< 5.0	5
2-Isopropyltoluene	5	< 1.0	1	< 1.0	1	< 1.0	1
4-Chlorotoluene	5	< 1.0	1	< 1.0	1	< 1.0	1
4-Methyl-2-pentanone		< 5.0	5	5.8	5	< 5.0	5
Acetone	50	< 25	25	25	25	< 25	25
Acrylonitrile	5	< 1.0	1	< 1.0	1	< 1.0	1
Benzene	1	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7
Bromobenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Bromochloromethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Bromodichloromethane	50	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Bromoform	50	< 1.0	1	< 1.0	1	< 1.0	1
Bromomethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Carbon Disulfide		< 5.0	5	< 5.0	5	< 5.0	5
Carbon tetrachloride	5	< 1.0	1	< 1.0	1	< 1.0	1
Chlorobenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Chloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Chloroform	7	< 1.0	1	< 1.0	1	< 1.0	1
Chloromethane	5	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,2-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Dibromochloromethane	50	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Dibromomethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Dichlorodifluoromethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Ethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Hexachlorobutadiene	0.5	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Isopropylbenzene	5	< 1.0	1	5.8	1	< 1.0	1
m&p-Xylene		< 1.0	1	< 1.0	1	< 1.0	1
Methyl ethyl ketone	50	< 5.0	5	27	5	7.2	5
Methyl t-butyl ether (MTBE)		< 1.0	1	< 1.0	1	< 1.0	1
Methylene chloride	5	< 1.0	1	< 1.0	1	< 1.0	1
Naphthalene	10	< 1.0	1	< 1.0	1	< 1.0	1
n-Butylbenzene	5	< 1.0	1	1.1	1	< 1.0	1
n-Propylbenzene	5	2.5	1	24	1	< 1.0	1
o-Xylene	5	< 1.0	1	< 1.0	1	< 1.0	1
p-Isopropyltoluene	5	< 1.0	1	< 1.0	1	< 1.0	1
sec-Butylbenzene	5	< 1.0	1	2.6	1	< 1.0	1
Styrene	5	< 1.0	1	< 1.0	1	< 1.0	1
tert-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Tetrachloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
Tetrahydrofuran (THF)	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Toluene	5	< 1.0	1	< 1.0	1	< 1.0	1
Total Xylenes	5	< 1.0	1	< 1.0	1	< 1.0	1
trans-1,2-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
trans-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
trans-1,4-dichloro-2-butene	5	< 5.0	5	< 5.0	5	< 5.0	5
Trichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorofluoromethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorotrifluoroethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Vinyl chloride	2	< 1.0	1	< 1.0	1	< 1.0	1
BTEX		**0.00**		**8.40**		**0.00**	
Total PVOCs		**2.50**		**85.60**		**7.20**	
Total VOCs		**2.50**		**92.50**		**7.20**	

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

Table 3A
69-02 Queens Boulevard Site
69-02 Queens Boulevard, Queens, New York
Groundwater Analytical Results
Volatile Organic Compounds
19MW9

Compound	NYSDEC Groundwater Quality Standards	19MW9					
		3/31/2022		5/17/2022		8/3/2022	
	µg/L	Result	RI	Result	RI	Results	RL
1,1,1,2-Tetrachloroethane	5	< 0.50	< 0.50	< 1.0	1	< 1.0	1
1,1,1-Trichloroethane	5	< 0.50	< 0.50	< 1.0	1	< 1.0	1
1,1,2,2-Tetrachloroethane	5	< 0.50	< 0.50	< 0.50	0.5	< 0.50	0.5
1,1,2-Trichloroethane	1	< 0.50	< 0.50	< 1.0	1	< 1.0	1
1,1-Dichloroethane	5	< 0.50	< 0.50	< 1.0	1	< 1.0	1
1,1-Dichloroethene	5	< 0.50	< 0.50	< 1.0	1	< 1.0	1
1,1-Dichloropropene	5	< 0.50	< 0.50	< 1.0	1	< 1.0	1
1,2,3-Trichlorobenzene		< 0.50	< 0.50	< 1.0	1	< 1.0	1
1,2,3-Trichloropropane	0.04	< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trimethylbenzene	5	< 1.0	1	4.6	1	< 1.0	1
1,2-Dibromo-3-chloropropane	0.04	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dibromoethane	0.0006	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichloroethane	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6
1,2-Dichloropropane	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3,5-Trimethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichlorobenzene	3	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichloropropane	5	< 1.0	1	< 1.0	1	< 1.0	1
1,4-Dichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1
2,2-Dichloropropane	5	< 1.0	1	< 1.0	1	< 1.0	1
2-Chlorotoluene	5	< 1.0	1	< 1.0	1	< 1.0	1
2-Hexanone	50	< 5.0	5	< 5.0	5	< 5.0	5
2-Isopropyltoluene	5	< 1.0	1	< 1.0	1	< 1.0	1
4-Chlorotoluene	5	< 1.0	1	< 1.0	1	< 1.0	1
4-Methyl-2-pentanone		< 5.0	5	< 5.0	5	< 5.0	5
Acetone	50	< 25	25	< 25	25	< 25	25
Acrylonitrile	5	< 1.0	1	< 1.0	1	< 1.0	1
Benzene	1	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7
Bromobenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Bromochloromethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Bromodichloromethane	50	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Bromoform	50	< 1.0	1	< 1.0	1	< 1.0	1
Bromomethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Carbon Disulfide		< 5.0	5	< 5.0	5	< 5.0	5
Carbon tetrachloride	5	< 1.0	1	< 1.0	1	< 1.0	1
Chlorobenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Chloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Chloroform	7	< 1.0	1	< 1.0	1	< 1.0	1
Chloromethane	5	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,2-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Dibromochloromethane	50	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Dibromomethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Dichlorodifluoromethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Ethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Hexachlorobutadiene	0.5	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Isopropylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
m&p-Xylene		< 1.0	1	< 1.0	1	< 1.0	1
Methyl ethyl ketone	50	< 5.0	5	7.6	5	< 5.0	5
Methyl t-butyl ether (MTBE)		< 1.0	1	< 1.0	1	< 1.0	1
Methylene chloride	5	< 1.0	1	< 1.0	1	< 1.0	1
Naphthalene	10	< 1.0	1	< 1.0	1	< 1.0	1
n-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
n-Propylbenzene	5	< 1.0	1	3.1	1	2.5	1
o-Xylene	5	< 1.0	1	< 1.0	1	< 1.0	1
p-Isopropyltoluene	5	< 1.0	1	< 1.0	1	< 1.0	1
sec-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Styrene	5	< 1.0	1	< 1.0	1	< 1.0	1
tert-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1
Tetrachloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
Tetrahydrofuran (THF)	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Toluene	5	< 1.0	1	< 1.0	1	< 1.0	1
Total Xylenes	5	< 1.0	1	< 1.0	1	< 1.0	1
trans-1,2-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
trans-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
trans-1,4-dichloro-2-butene	5	< 5.0	5	< 5.0	5	< 5.0	5
Trichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorofluoromethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorotrifluoroethane	5	< 1.0	1	< 1.0	1	< 1.0	1
Vinyl chloride	2	< 1.0	1	< 1.0	1	< 1.0	1
BTEX		0.00		0.00		0.00	
Total PVOCs		0.00		15.30		2.50	
Total VOCs		0.00		15.30		2.50	

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

Table 3B
69-02 Queens Boulevard Site
69-02 Queens Boulevard, Queens, New York
Groundwater Analytical Results
Volatile Organic Compounds
20MW10

Compound	NYSDEC Groundwater Quality Standards	20MW10					
		3/31/2022		5/17/2022		8/3/2022	
	µg/L	Result	RL	Result	RL	Results	RL
1,1,1,2-Tetrachloroethane	5	< 1.0	1	< 2.0	2	< 1.0	1
1,1,1-Trichloroethane	5	< 1.0	1	< 2.0	2	< 1.0	1
1,1,2,2-Tetrachloroethane	5	< 0.50	0.5	< 1.0	1	< 0.50	0.5
1,1,2-Trichloroethane	1	< 1.0	1	< 2.0	**2**	< 1.0	1
1,1-Dichloroethane	5	< 1.0	1	< 2.0	2	< 1.0	1
1,1-Dichloroethene	5	< 1.0	1	< 2.0	2	< 1.0	1
1,1-Dichloropropene	5	< 1.0	1	< 2.0	2	< 1.0	1
1,2,3-Trichlorobenzene		< 1.0	1	< 2.0	2	< 1.0	1
1,2,3-Trichloropropane	0.04	< 1.0	**1**	< 2.0	**2**	< 1.0	**1**
1,2,4-Trichlorobenzene		< 1.0	1	< 2.0	2	< 1.0	1
1,2,4-Trimethylbenzene	5	< 1.0	1	< 2.0	2	1.2	1
1,2-Dibromo-3-chloropropane	0.04	< 1.0	**1**	< 2.0	**2**	< 1.0	**1**
1,2-Dibromoethane	0.0006	< 1.0	**1**	< 2.0	**2**	< 1.0	**1**
1,2-Dichlorobenzene		< 1.0	1	< 2.0	2	< 1.0	1
1,2-Dichloroethane	0.6	< 0.60	0.6	< 1.2	**1.2**	< 0.60	0.6
1,2-Dichloropropane	1	< 1.0	1	< 2.0	**2**	< 1.0	1
1,3,5-Trimethylbenzene	5	< 1.0	1	< 2.0	2	< 1.0	1
1,3-Dichlorobenzene	3	< 1.0	1	< 2.0	2	< 1.0	1
1,3-Dichloropropane	5	< 1.0	1	< 2.0	2	< 1.0	1
1,4-Dichlorobenzene		< 1.0	1	< 2.0	2	< 1.0	1
2,2-Dichloropropane	5	< 1.0	1	< 2.0	2	< 1.0	1
2-Chlorotoluene	5	< 1.0	1	< 2.0	2	< 1.0	1
2-Hexanone	50	< 5.0	5	< 10	10	< 5.0	5
2-Isopropyltoluene	5	< 1.0	1	< 2.0	2	< 1.0	1
4-Chlorotoluene	5	< 1.0	1	< 2.0	2	< 1.0	1
4-Methyl-2-pentanone		5.2	5	< 10	10	5.8	5
Acetone	50	**400**	130	**200**	50	25	25
Acrylonitrile	5	< 1.0	1	< 2.0	2	< 1.0	1
Benzene	1	< 0.70	0.7	< 1.4	**1.4**	< 0.70	0.7
Bromobenzene	5	< 1.0	1	< 2.0	2	< 1.0	1
Bromochloromethane	5	< 1.0	1	< 2.0	2	< 1.0	1
Bromodichloromethane	50	< 0.50	0.5	< 1.0	1	< 0.50	0.5
Bromoform	50	< 1.0	1	< 2.0	2	< 1.0	1
Bromomethane	5	< 1.0	1	< 2.0	2	< 1.0	1
Carbon Disulfide		< 5.0	5	< 10	10	< 5.0	5
Carbon tetrachloride	5	< 1.0	1	< 2.0	2	< 1.0	1
Chlorobenzene	5	< 1.0	1	< 2.0	2	< 1.0	1
Chloroethane	5	< 1.0	1	< 2.0	2	< 1.0	1
Chloroform	7	< 1.0	1	< 2.0	2	< 1.0	1
Chloromethane	5	< 1.0	1	< 2.0	2	< 1.0	1
cis-1,2-Dichloroethene	5	< 1.0	1	< 2.0	2	< 1.0	1
cis-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.80	**0.8**	< 0.40	0.4
Dibromochloromethane	50	< 0.50	0.5	< 1.0	1	< 0.50	0.5
Dibromomethane	5	< 1.0	1	< 2.0	2	< 1.0	1
Dichlorodifluoromethane	5	< 1.0	1	< 2.0	2	< 1.0	1
Ethylbenzene	5	< 1.0	1	< 2.0	2	< 1.0	1
Hexachlorobutadiene	0.5	< 0.40	0.4	< 0.80	**0.8**	< 0.40	0.4
Isopropylbenzene	5	2.7	1	4	2	5.8	1
m&p-Xylene		< 1.0	1	< 2.0	2	< 1.0	1
Methyl ethyl ketone	50	20	10	**130**	10	27	5
Methyl t-butyl ether (MTBE)		< 1.0	1	< 2.0	2	< 1.0	1
Methylene chloride	5	< 1.0	1	< 2.0	2	< 1.0	1
Naphthalene	10	< 1.0	1	< 2.0	2	< 1.0	1
n-Butylbenzene	5	< 1.0	1	< 2.0	2	1.1	1
n-Propylbenzene	5	8	1	19	2	24	1
o-Xylene	5	< 1.0	1	< 2.0	2	< 1.0	1
p-Isopropyltoluene	5	< 1.0	1	< 2.0	2	< 1.0	1
sec-Butylbenzene	5	< 1.0	1	< 2.0	2	2.6	1
Styrene	5	< 1.0	1	< 2.0	2	< 1.0	1
tert-Butylbenzene	5	< 1.0	1	< 2.0	2	< 1.0	1
Tetrachloroethene	5	< 1.0	1	2.1	2	< 1.0	1
Tetrahydrofuran (THF)	50	< 2.5	2.5	< 5.0	5	< 2.5	2.5
Toluene	5	3.2	1	< 2.0	2	< 1.0	1
Total Xylenes	5	< 1.0	1	< 2.0	2	< 1.0	1
trans-1,2-Dichloroethene	5	< 1.0	1	< 2.0	2	< 1.0	1
trans-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.80	**0.8**	< 0.40	0.4
trans-1,4-dichloro-2-butene	5	< 5.0	5	< 10	**10**	< 5.0	5
Trichloroethene	5	< 1.0	1	< 2.0	2	< 1.0	1
Trichlorofluoromethane	5	< 1.0	1	< 2.0	2	< 1.0	1
Trichlorotrifluoroethane	5	< 1.0	1	< 2.0	2	< 1.0	1
Vinyl chloride	2	< 1.0	1	< 2.0	2	< 1.0	1
BTEX		2.70		4.00		8.40	
Total PVOCs		433.90		355.10		85.60	
Total VOCs		439.10		355.10		92.50	

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

Table 3C
69-02 Queens Boulevard Site
69-02 Queens Boulevard, Queens, New York
Groundwater Analytical Results
Volatile Organic Compounds
20MW11

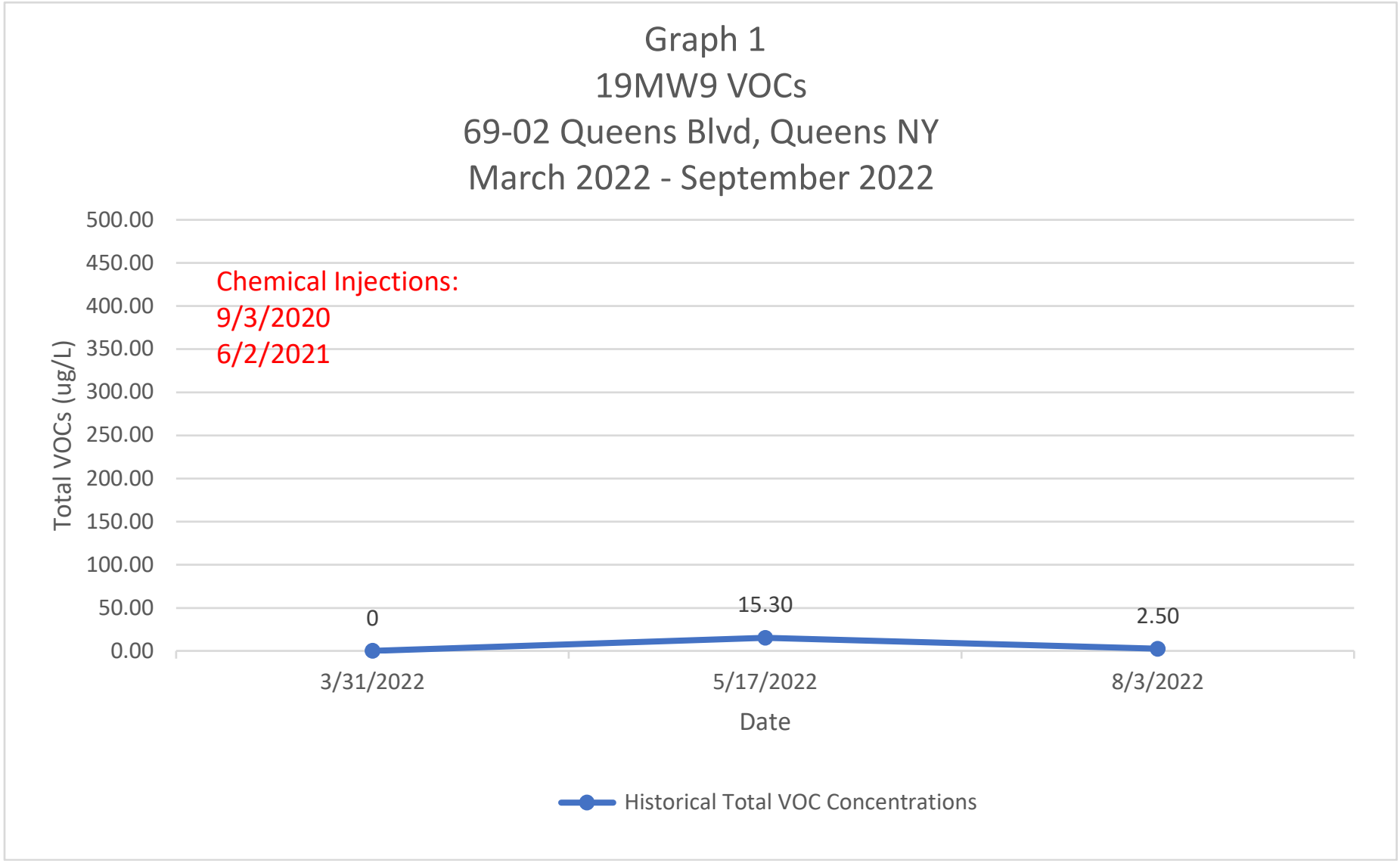
Compound	NYSDEC Groundwater Quality Standards	20MW11	
		8/3/2022	
	µg/L	Results	RL
1,1,1,2-Tetrachloroethane	5	< 1.0	1
1,1,1-Trichloroethane	5	< 1.0	1
1,1,2,2-Tetrachloroethane	5	< 0.50	0.5
1,1,2-Trichloroethane	1	< 1.0	1
1,1-Dichloroethane	5	< 1.0	1
1,1-Dichloroethene	5	< 1.0	1
1,1-Dichloropropene	5	< 1.0	1
1,2,3-Trichlorobenzene		< 1.0	1
1,2,3-Trichloropropane	0.04	< 1.0	**1**
1,2,4-Trichlorobenzene		< 1.0	1
1,2,4-Trimethylbenzene	5	< 1.0	1
1,2-Dibromo-3-chloropropane	0.04	< 1.0	**1**
1,2-Dibromoethane	0.0006	< 1.0	**1**
1,2-Dichlorobenzene		< 1.0	1
1,2-Dichloroethane	0.6	< 0.60	0.6
1,2-Dichloropropane	1	< 1.0	1
1,3,5-Trimethylbenzene	5	< 1.0	1
1,3-Dichlorobenzene	3	< 1.0	1
1,3-Dichloropropane	5	< 1.0	1
1,4-Dichlorobenzene		< 1.0	1
2,2-Dichloropropane	5	< 1.0	1
2-Chlorotoluene	5	< 1.0	1
2-Hexanone	50	< 5.0	5
2-Isopropyltoluene	5	< 1.0	1
4-Chlorotoluene	5	< 1.0	1
4-Methyl-2-pentanone		< 5.0	5
Acetone	50	< 25	25
Acrylonitrile	5	< 1.0	1
Benzene	1	< 0.70	0.7
Bromobenzene	5	< 1.0	1
Bromochloromethane	5	< 1.0	1
Bromodichloromethane	50	< 0.50	0.5
Bromoform	50	< 1.0	1
Bromomethane	5	< 1.0	1
Carbon Disulfide		< 5.0	5
Carbon tetrachloride	5	< 1.0	1
Chlorobenzene	5	< 1.0	1
Chloroethane	5	< 1.0	1
Chloroform	7	< 1.0	1
Chloromethane	5	< 1.0	1
cis-1,2-Dichloroethene	5	< 1.0	1
cis-1,3-Dichloropropene	0.4	< 0.40	0.4
Dibromochloromethane	50	< 0.50	0.5
Dibromomethane	5	< 1.0	1
Dichlorodifluoromethane	5	< 1.0	1
Ethylbenzene	5	< 1.0	1
Hexachlorobutadiene	0.5	< 0.40	0.4
Isopropylbenzene	5	< 1.0	1
m&p-Xylene		< 1.0	1
Methyl ethyl ketone	50	7.2	5
Methyl t-butyl ether (MTBE)		< 1.0	1
Methylene chloride	5	< 1.0	1
Naphthalene	10	< 1.0	1
n-Butylbenzene	5	< 1.0	1
n-Propylbenzene	5	< 1.0	1
o-Xylene	5	< 1.0	1
p-Isopropyltoluene	5	< 1.0	1
sec-Butylbenzene	5	< 1.0	1
Styrene	5	< 1.0	1
tert-Butylbenzene	5	< 1.0	1
Tetrachloroethene	5	< 1.0	1
Tetrahydrofuran (THF)	50	< 2.5	2.5
Toluene	5	< 1.0	1
Total Xylenes	5	< 1.0	1
trans-1,2-Dichloroethene	5	< 1.0	1
trans-1,3-Dichloropropene	0.4	< 0.40	0.4
trans-1,4-dichloro-2-butene	5	< 5.0	5
Trichloroethene	5	< 1.0	1
Trichlorofluoromethane	5	< 1.0	1
Trichlorotrifluoroethane	5	< 1.0	1
Vinyl chloride	2	< 1.0	1
BTEX		**0.00**	
Total PVOCs		**7.20**	
Total VOCs		**7.20**	

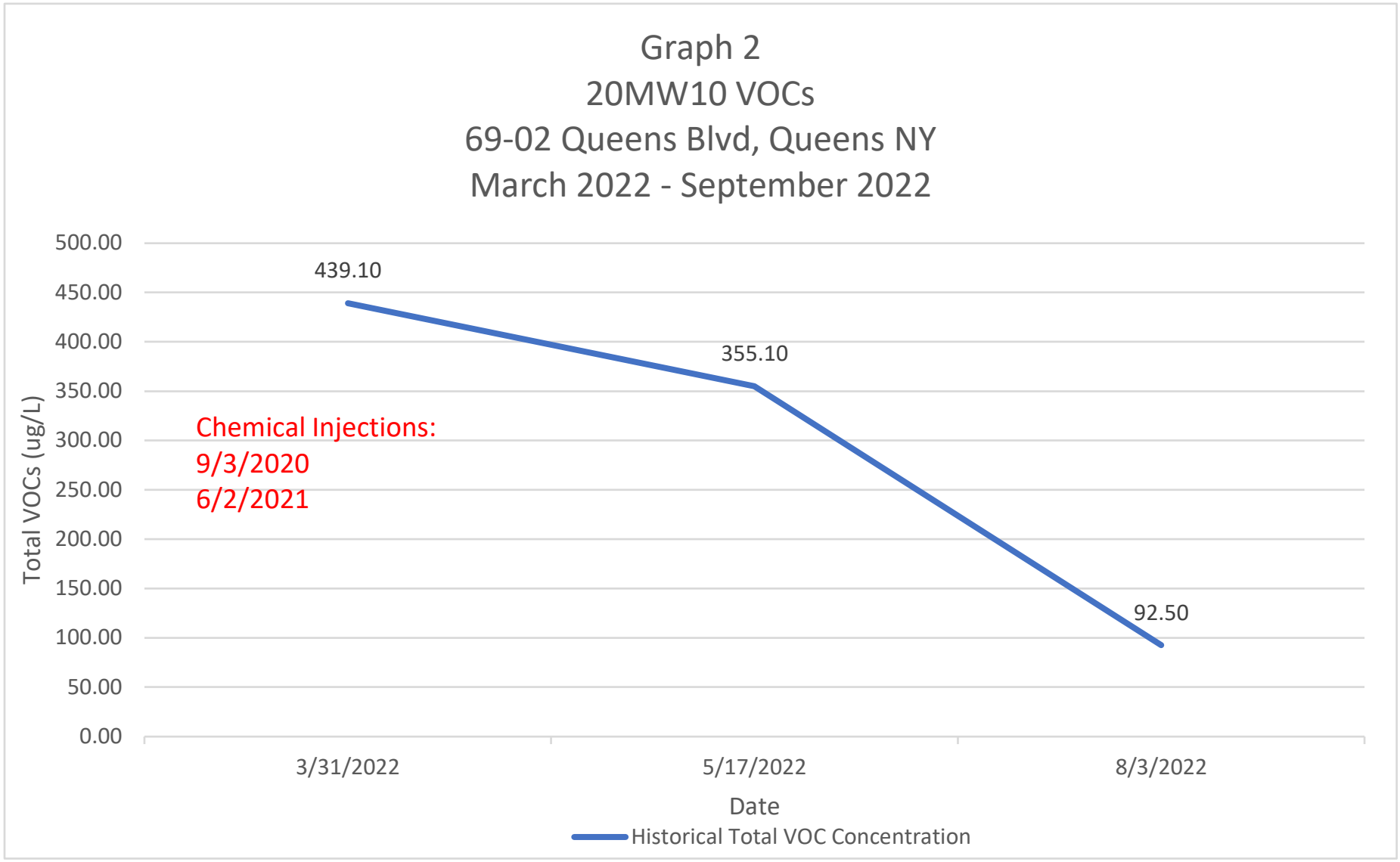
Result Detected

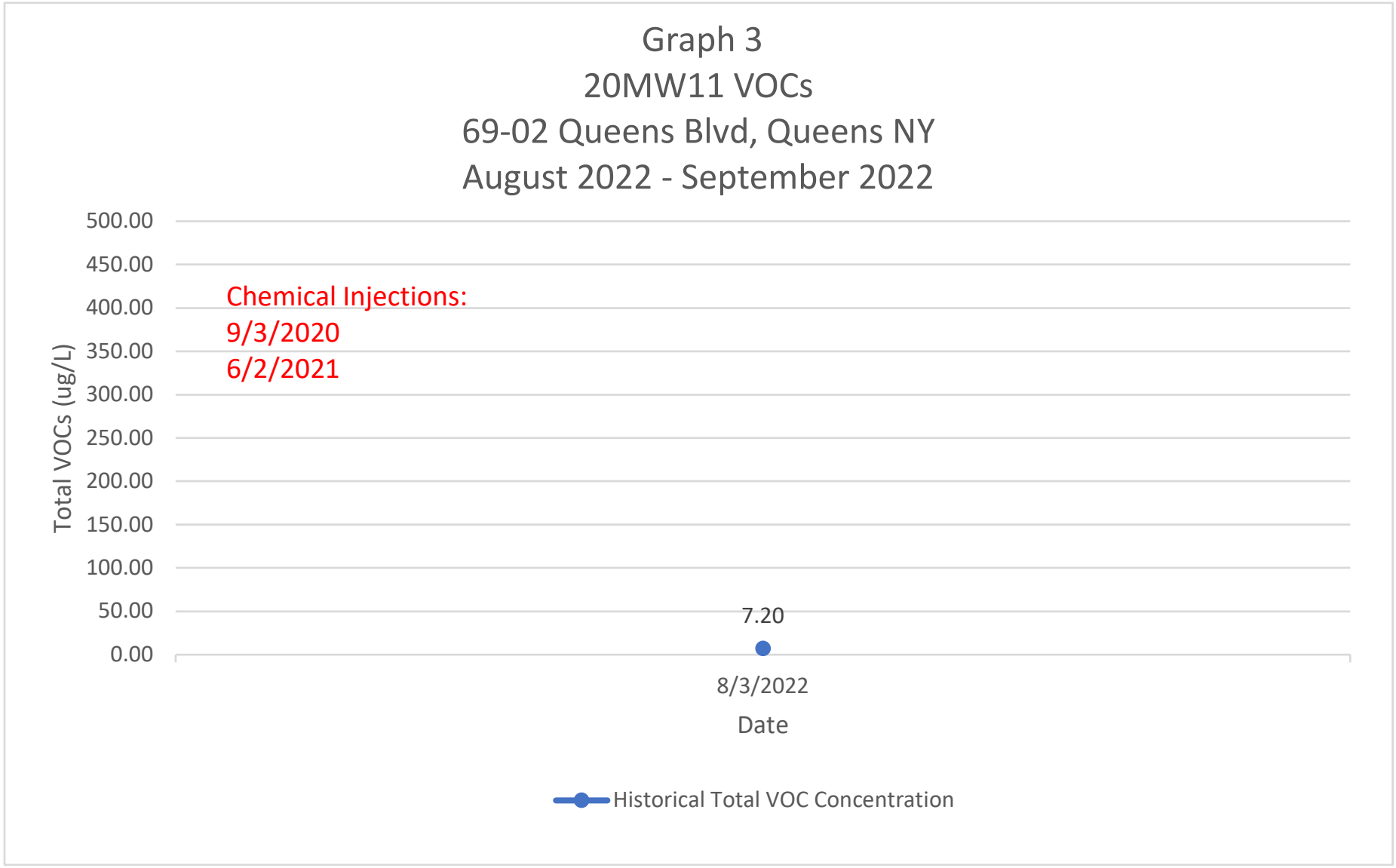
RL Exceeds Criteria

Result Exceeds Criteria

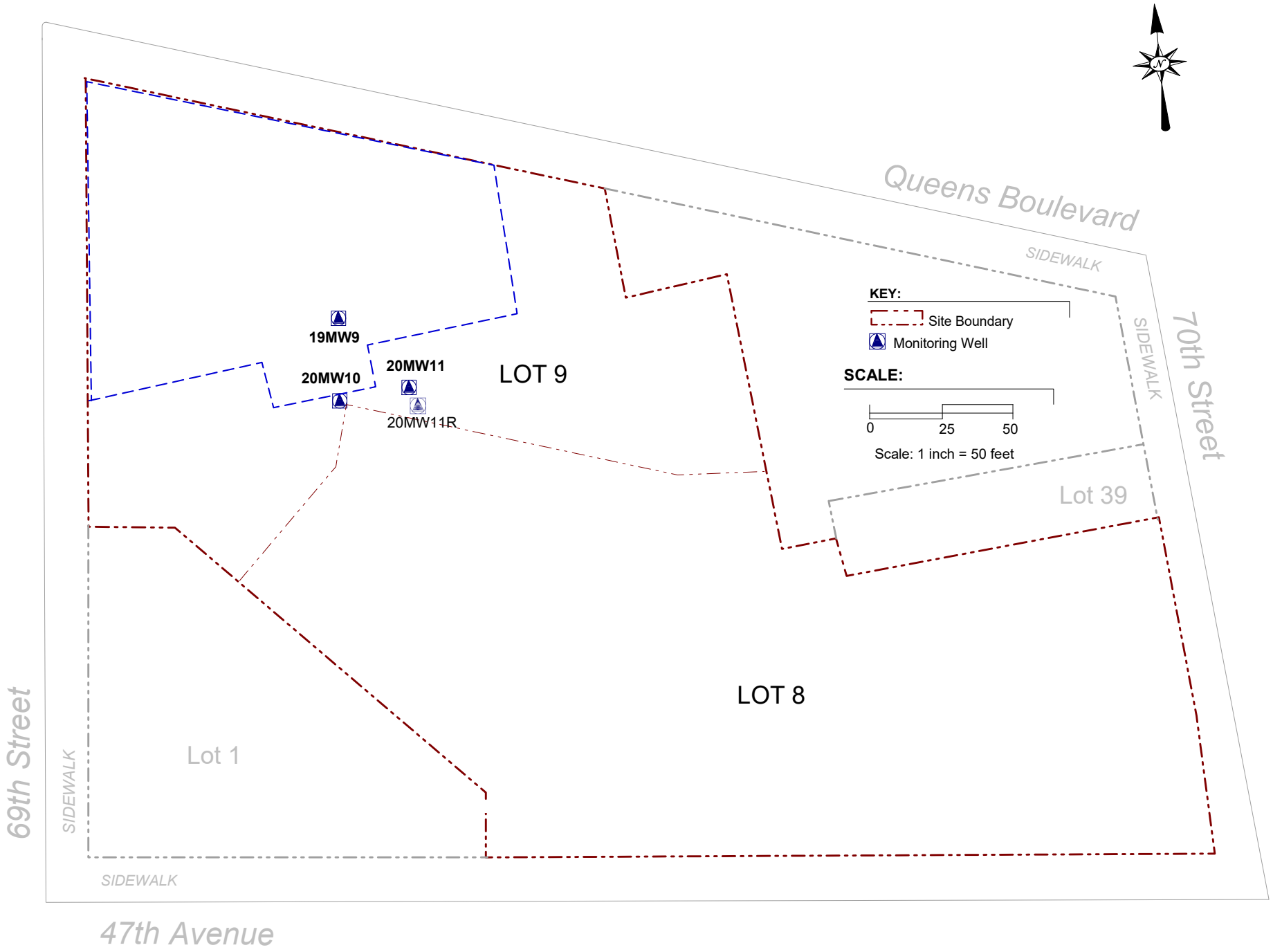
GRAPHS


Graph 1
19MW9 VOCs
69-02 Queens Blvd, Queens NY
March 2022 - September 2022
500.00
450.00
400.00
350.00
300.00
250.00
200.00
150.00
100.00
50.00
0.00
Total VOCs (ug/L)
Chemical Injections:
9/3/2020
6/2/2021
0
15.30
2.50
3/31/2022
5/17/2022
8/3/2022
Date
Historical Total VOC Concentrations


Graph 2
20MW10 VOCs
69-02 Queens Blvd, Queens NY
March 2022 - September 2022
500.00
450.00
400.00
350.00
300.00
250.00
200.00
150.00
100.00
50.00
0.00
Total VOCs (ug/L)
439.10
355.10
92.50
Chemical Injections:
9/3/2020
6/2/2021
3/31/2022
5/17/2022
8/3/2022
Date
Historical Total VOC Concentration


Graph 3
20MW11 VOCs
69-02 Queens Blvd, Queens NY
August 2022 - September 2022
500.00
450.00
400.00
350.00
300.00
250.00
200.00
150.00
100.00
50.00
0.00
Total VOCs (ug/L)
Chemical Injections:
9/3/2020
6/2/2021
7.20
8/3/2022
Date
Historical Total VOC Concentration

FIGURES



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

Figure No.
1
11/1/2022

Site Name: 69-02 Queens Boulevard - C241235
Site Address: 46-09 69th Street / 46-10 70th Street, Woodside, NY
Drawing Title: Groundwater Monitoring Well Location Diagram

APPENDIX A

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORMS

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

Well ID:	19MW9			Date:	3-Aug-22
Well Depth (from TOC):	15.7	ft		Equipment:	Horiba and peristaltic pump
Static Water Level (from TOC):	8.7	ft	After: 14.7 ft		
Height of Water in Well:	7	ft			
Gallons of Water per Well Volume:	1.142	gal		Field Sampler:	Ahmed Elbadri
Flow Rate:	0.11	gal/min			

Time	Temp	pH	pHmV	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)	Salinity (ppt)	Specific gravity (σt)	Pump Rate	Gal Removed	Comments
11:07	18.48	8.51	-109	-125	2.59	230	7.4	1.66	1.34	0			clear/ odor
11:12	18.99	8.68	-119	-90	2.58	165	7.76	1.65	1.33	0			clear/ odor
11:17	19.24	8.76	-123	-41	2.57	149	7.95	1.64	1.32	0			clear/ odor
11:22	19.37	8.82	-127	-16	2.55	124	7.93	1.63	1.31	0			clear/ odor
11:27	19.42	8.87	-130	-1	2.54	99.3	7.92	1.62	1.31	0			clear/ odor
11:32	19.47	8.89	-131	15	2.53	82.5	7.9	1.62	1.3	0			clear/ odor

Other Notes / Comments:

Note: 400 mL = 0.11 gallons

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

Well ID:	20MW10		
Well Depth (from TOC):	10.7	ft	
Static Water Level (from TOC):	7.4	ft	After: 9.6
Height of Water in Well:	3.3	ft	
Gallons of Water per Well Volume:	0.539	gal	
Flow Rate:	0.11	gal/min	

Date: 3-Aug-22
Equipment: Horiba and peristaltic pump

Field Sampler: Ahmed Elbadri

Time	Temp	pH	pHmV	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)	Salinity (ppt)	Specific gravity (σt)	Pump Rate	Gal Removed	Comments
12:12	20.96	8.73	-123	58	0.004	418	14.64	0.002	0	0			Clear/odor
12:17	18.37	8.2	-91	-121	3.81	121	6.27	2.44	2.01	0.2			Clear/odor
12:22	18.5	8.36	-100	-132	3.91	65.5	7.21	2.5	2.06	0.2			Clear/odor
12:27	18.55	8.46	-106	-136	3.93	48.5	7.31	2.51	2.07	0.2			Clear/odor
12:32	18.72	8.53	-110	-131	3.79	40.6	7.45	2.42	1.99	0.1			Clear/odor
12:37	18.9	8.59	-113	-119	3.67	39.1	7.49	2.35	1.93	0			Clear/odor

Other Notes / Comments:

Note: 400 mL = 0.11 gallons

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

Well ID:	20MW11		
Well Depth (from TOC):	9	ft	
Static Water Level (from TOC):	2.85	ft	After: 7.15
Height of Water in Well:	6.5	ft	
Gallons of Water per Well Volume:	1.061	gal	
Flow Rate:	0.11	gal/min	

Date: 3-Aug-22
Equipment: Horiba and peristaltic pump

Field Sampler: Ahmed Elbadri

Time	Temp	pH	pHmV	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)	Salinity (ppt)	Specific gravity (σt)	Pump Rate	Gal Removed	Comments
13:01	19.28	8.66	-118	-61	1.41	1000	5.06	0.9	0.7	0			turbid
13:06	19.81	9.01	-138	-20	1.37	1000	7.53	0.875	0.68	0			turbid
13:11	20.35	9.19	-149	9	1.37	1000	7.62	0.874	0.68	0			turbid
13:16	20.73	9.24	-152	22	1.38	1000	7.51	0.884	0.69	0			turbid
13:21	21	9.26	-153	31	1.39	819	7.55	0.893	0.7	0			turbid
13:26	21.21	9.25	-153	39	1.41	643	7.49	0.902	0.71	0			turbid
13:31	21.34	9.23	-152	45	1.42	503	7.63	0.911	0.71	0			turbid
13:36	21.45	9.22	-151	50	1.44	396	7.49	0.919	0.72	0			turbid

Other Notes / Comments:

Note: 400 mL = 0.11 gallons

APPENDIX B

LABORATORY REPORTS

PHOENIX
Environmental Laboratories, Inc.

Tuesday, August 09, 2022

Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Project ID: **69-02 QUEENS BLVD, QUEENS**
SDG ID: **GCL98472**
Sample ID#s: CL98472 - CL98475

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

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

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

NY # 11301

Sample Id Cross Reference

August 09, 2022

SDG I.D.: GCL98472

Project ID: 69-02 QUEENS BLVD, QUEENS

Client Id	Lab Id	Matrix
19MW9	CL98472	GROUND WATER
20MW10	CL98473	GROUND WATER
20MW11	CL98474	GROUND WATER
TRIP BLANK	CL98475	GROUND WATER

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 09, 2022

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		08/03/22	11:20
Location Code:	AMC-ENG	Received by:	CP	08/04/22	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCL98472
Phoenix ID: CL98472

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 19MW9

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	08/05/22	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	08/05/22	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	08/05/22	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	08/05/22	MH	SW8260C	

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 19MW9

Phoenix I.D.: CL98472

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	08/05/22	MH	SW8260C	
Acrylonitrile	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	08/05/22	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	08/05/22	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	08/05/22	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	08/05/22	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	08/05/22	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	08/05/22	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	08/05/22	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
n-Propylbenzene	2.5	1.0	ug/L	1	08/05/22	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	08/05/22	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	08/05/22	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	08/05/22	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99		%	1	08/05/22	MH	70 - 130 %	
% Bromofluorobenzene	99		%	1	08/05/22	MH	70 - 130 %	
% Dibromofluoromethane	105		%	1	08/05/22	MH	70 - 130 %	

Ver 1

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 19MW9

Phoenix I.D.: CL98472

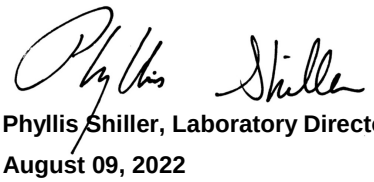
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	100		%	1	08/05/22	MH	70 - 130 %

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

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

Comments:

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



Phyllis Shiller, Laboratory Director

August 09, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 09, 2022

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		08/03/22	12:40
Location Code:	AMC-ENG	Received by:	CP	08/04/22	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCL98472
Phoenix ID: CL98473

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 20MW10

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	08/05/22	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2,4-Trimethylbenzene	1.2	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	08/05/22	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	08/05/22	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
4-Methyl-2-pentanone	5.8	5.0	ug/L	1	08/05/22	MH	SW8260C	

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 20MW10

Phoenix I.D.: CL98473

Parameter	Result		RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	25	S	25	ug/L	1	08/05/22	MH	SW8260C	
Acrylonitrile	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
Benzene	ND		0.70	ug/L	1	08/05/22	MH	SW8260C	
Bromobenzene	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
Bromochloromethane	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
Bromodichloromethane	ND		0.50	ug/L	1	08/05/22	MH	SW8260C	
Bromoform	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
Bromomethane	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
Carbon Disulfide	ND		5.0	ug/L	1	08/05/22	MH	SW8260C	
Carbon tetrachloride	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
Chlorobenzene	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
Chloroethane	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
Chloroform	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
Chloromethane	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	ug/L	1	08/05/22	MH	SW8260C	
Dibromochloromethane	ND		0.50	ug/L	1	08/05/22	MH	SW8260C	
Dibromomethane	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
Ethylbenzene	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
Hexachlorobutadiene	ND		0.40	ug/L	1	08/05/22	MH	SW8260C	
Isopropylbenzene	5.8		1.0	ug/L	1	08/05/22	MH	SW8260C	
m&p-Xylene	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
Methyl ethyl ketone	27		5.0	ug/L	1	08/05/22	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
Methylene chloride	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
Naphthalene	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
n-Butylbenzene	1.1		1.0	ug/L	1	08/05/22	MH	SW8260C	
n-Propylbenzene	24		1.0	ug/L	1	08/05/22	MH	SW8260C	
o-Xylene	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
sec-Butylbenzene	2.6		1.0	ug/L	1	08/05/22	MH	SW8260C	
Styrene	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
tert-Butylbenzene	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
Tetrachloroethene	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
Tetrahydrofuran (THF)	ND		2.5	ug/L	1	08/05/22	MH	SW8260C	1
Toluene	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
Total Xylenes	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	ug/L	1	08/05/22	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		5.0	ug/L	1	08/05/22	MH	SW8260C	
Trichloroethene	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
Vinyl chloride	ND		1.0	ug/L	1	08/05/22	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101			%	1	08/05/22	MH	70 - 130 %	
% Bromofluorobenzene	98			%	1	08/05/22	MH	70 - 130 %	
% Dibromofluoromethane	105			%	1	08/05/22	MH	70 - 130 %	

Ver 1

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 20MW10

Phoenix I.D.: CL98473

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	100		%	1	08/05/22	MH	70 - 130 %

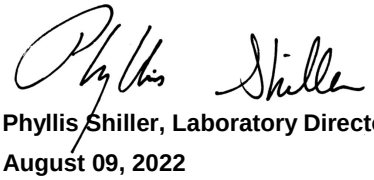
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

S - Laboratory solvent, contamination is possible.

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



Phyllis Shiller, Laboratory Director

August 09, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 09, 2022

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		08/03/22	13:30
Location Code:	AMC-ENG	Received by:	CP	08/04/22	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCL98472
Phoenix ID: CL98474

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 20MW11

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	08/05/22	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	08/05/22	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	08/05/22	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	08/05/22	MH	SW8260C	

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 20MW11

Phoenix I.D.: CL98474

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	08/05/22	MH	SW8260C	
Acrylonitrile	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	08/05/22	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	08/05/22	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	08/05/22	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	08/05/22	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	08/05/22	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	08/05/22	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Methyl ethyl ketone	7.2	5.0	ug/L	1	08/05/22	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	08/05/22	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	08/05/22	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	08/05/22	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101		%	1	08/05/22	MH	70 - 130 %	
% Bromofluorobenzene	100		%	1	08/05/22	MH	70 - 130 %	
% Dibromofluoromethane	104		%	1	08/05/22	MH	70 - 130 %	

Ver 1

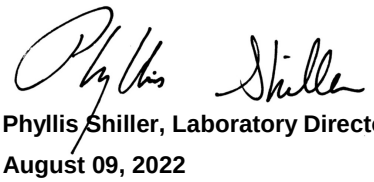
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	100		%	1	08/05/22	MH	70 - 130 %

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

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

Comments:

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



Phyllis Shiller, Laboratory Director

August 09, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 09, 2022

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		08/03/22	11:20
Location Code:	AMC-ENG	Received by:	CP	08/04/22	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCL98472
Phoenix ID: CL98475

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	08/05/22	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	08/05/22	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	08/05/22	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	08/05/22	MH	SW8260C	

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: TRIP BLANK

Phoenix I.D.: CL98475

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	08/05/22	MH	SW8260C	
Acrylonitrile	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	08/05/22	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	08/05/22	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	08/05/22	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	08/05/22	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	08/05/22	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	08/05/22	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	08/05/22	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	08/05/22	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	08/05/22	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	08/05/22	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	08/05/22	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99		%	1	08/05/22	MH	70 - 130 %	
% Bromofluorobenzene	97		%	1	08/05/22	MH	70 - 130 %	
% Dibromofluoromethane	100		%	1	08/05/22	MH	70 - 130 %	

Ver 1

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: TRIP BLANK

Phoenix I.D.: CL98475

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99		%	1	08/05/22	MH	70 - 130 %

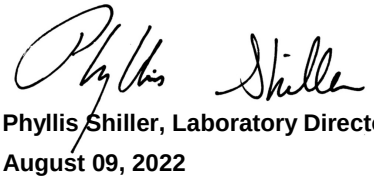
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

TRIP BLANK INCLUDED.

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



Phyllis Shiller, Laboratory Director

August 09, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

August 09, 2022

QA/QC Data

SDG I.D.: GCL98472

QA/QC Batch 636405 (ug/L), QC Sample No: CL97188 (CL98472, CL98473, CL98474, CL98475)

Volatiles - Ground Water

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,1,1,2-Tetrachloroethane	ND	1.0	106	117	9.9				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	121	118	2.5				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	113	117	3.5				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	114	118	3.4				70 - 130	30
1,1-Dichloroethane	ND	1.0	103	114	10.1				70 - 130	30
1,1-Dichloroethene	ND	1.0	108	111	2.7				70 - 130	30
1,1-Dichloropropene	ND	1.0	124	128	3.2				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	132	142	7.3				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	115	118	2.6				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	115	129	11.5				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	105	116	10.0				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	119	114	4.3				70 - 130	30
1,2-Dibromoethane	ND	1.0	111	117	5.3				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	106	117	9.9				70 - 130	30
1,2-Dichloroethane	ND	1.0	113	119	5.2				70 - 130	30
1,2-Dichloropropane	ND	1.0	108	117	8.0				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	105	115	9.1				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	104	116	10.9				70 - 130	30
1,3-Dichloropropane	ND	1.0	111	115	3.5				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	104	115	10.0				70 - 130	30
2,2-Dichloropropane	ND	1.0	87	115	27.7				70 - 130	30
2-Chlorotoluene	ND	1.0	104	115	10.0				70 - 130	30
2-Hexanone	ND	5.0	114	112	1.8				70 - 130	30
2-Isopropyltoluene	ND	1.0	104	115	10.0				70 - 130	30
4-Chlorotoluene	ND	1.0	105	117	10.8				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	120	118	1.7				70 - 130	30
Acetone	ND	5.0	105	95	10.0				70 - 130	30
Acrylonitrile	ND	5.0	110	104	5.6				70 - 130	30
Benzene	ND	0.70	105	116	10.0				70 - 130	30
Bromobenzene	ND	1.0	106	117	9.9				70 - 130	30
Bromochloromethane	ND	1.0	109	118	7.9				70 - 130	30
Bromodichloromethane	ND	0.50	109	118	7.9				70 - 130	30
Bromoform	ND	1.0	107	109	1.9				70 - 130	30
Bromomethane	ND	1.0	70	80	13.3				70 - 130	30
Carbon Disulfide	ND	1.0	99	103	4.0				70 - 130	30
Carbon tetrachloride	ND	1.0	113	109	3.6				70 - 130	30
Chlorobenzene	ND	1.0	105	116	10.0				70 - 130	30
Chloroethane	ND	1.0	102	110	7.5				70 - 130	30
Chloroform	ND	1.0	97	106	8.9				70 - 130	30
Chloromethane	ND	1.0	99	105	5.9				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	106	117	9.9				70 - 130	30

QA/QC Data

SDG I.D.: GCL98472

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
cis-1,3-Dichloropropene	ND	0.40	106	116	9.0				70 - 130	30	
Dibromochloromethane	ND	0.50	107	114	6.3				70 - 130	30	
Dibromomethane	ND	1.0	117	117	0.0				70 - 130	30	
Dichlorodifluoromethane	ND	1.0	107	103	3.8				70 - 130	30	
Ethylbenzene	ND	1.0	105	116	10.0				70 - 130	30	
Hexachlorobutadiene	ND	0.40	107	115	7.2				70 - 130	30	
Isopropylbenzene	ND	1.0	104	113	8.3				70 - 130	30	
m&p-Xylene	ND	1.0	105	116	10.0				70 - 130	30	
Methyl ethyl ketone	ND	5.0	135	135	0.0				70 - 130	30	I
Methyl t-butyl ether (MTBE)	ND	1.0	112	113	0.9				70 - 130	30	
Methylene chloride	ND	1.0	88	94	6.6				70 - 130	30	
Naphthalene	ND	1.0	127	130	2.3				70 - 130	30	
n-Butylbenzene	ND	1.0	109	118	7.9				70 - 130	30	
n-Propylbenzene	ND	1.0	105	115	9.1				70 - 130	30	
o-Xylene	ND	1.0	105	116	10.0				70 - 130	30	
p-Isopropyltoluene	ND	1.0	107	115	7.2				70 - 130	30	
sec-Butylbenzene	ND	1.0	107	114	6.3				70 - 130	30	
Styrene	ND	1.0	108	119	9.7				70 - 130	30	
tert-Butylbenzene	ND	1.0	106	114	7.3				70 - 130	30	
Tetrachloroethene	ND	1.0	107	114	6.3				70 - 130	30	
Tetrahydrofuran (THF)	ND	2.5	135	116	15.1				70 - 130	30	I
Toluene	ND	1.0	106	115	8.1				70 - 130	30	
trans-1,2-Dichloroethene	ND	1.0	104	111	6.5				70 - 130	30	
trans-1,3-Dichloropropene	ND	0.40	109	116	6.2				70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	101	107	5.8				70 - 130	30	
Trichloroethene	ND	1.0	107	115	7.2				70 - 130	30	
Trichlorofluoromethane	ND	1.0	111	111	0.0				70 - 130	30	
Trichlorotrifluoroethane	ND	1.0	101	101	0.0				70 - 130	30	
Vinyl chloride	ND	1.0	111	114	2.7				70 - 130	30	
% 1,2-dichlorobenzene-d4	102	%	101	101	0.0				70 - 130	30	
% Bromofluorobenzene	99	%	101	101	0.0				70 - 130	30	
% Dibromofluoromethane	99	%	112	102	9.3				70 - 130	30	
% Toluene-d8	100	%	101	99	2.0				70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

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

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

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
August 09, 2022

Tuesday, August 09, 2022

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCL98472 - AMC-ENG

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

*** No Data to Display ***

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

August 09, 2022 SDG I.D.: GCL98472

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

VOA Narration

CHEM17 08/05/22-1: CL98472, CL98473, CL98474, CL98475

Chem 17 is a 25ml purge instrument. The laboratory minimum response factor is set at 0.01 instead of 0.05 for the 25ml purge instruments. EPA method 8260D Table 4 supports this approach.

The following Initial Calibration compounds did not meet RSD% criteria: Bromomethane 27% (20%), Methylene chloride 28% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.042 (0.05), 2-Hexanone 0.078 (0.1), Acetone 0.044 (0.1), Bromoform 0.096 (0.1), Methyl ethyl ketone 0.066 (0.1), Tetrahydrofuran (THF) 0.042 (0.05)
The following Initial Calibration compounds did not meet minimum response factors: 1,2-Dibromo-3-chloropropane 0.042 (0.05), Acetone 0.044 (0.05), Tetrahydrofuran (THF) 0.042 (0.05)

The following Continuing Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.043 (0.05), Acetone 0.043 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: 1,2-Dibromo-3-chloropropane 0.042 (0.05), Acetone 0.044 (0.05)

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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NY Temperature Narration

August 09, 2022

SDG I.D.: GCL98472

The samples in this delivery group were received at 2.3°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

WC1P 2.3

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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

Client Services (860) 645-8726

Data Delivery:
☐ Fax #: _____
☑ Emai ARIEL@AMC-ENGINEERING.CC

Customer:	AMC ENGINEERING PLLC	Project:	69-02 Queens Boulevard, Queens	Project P.O:	
Address:	18-36 42nd Street	Report to:	ARIEL CZEMERINSKI	Phone #:	718 545-0474
	Astoria NY 11105	Invoice to:	AMC ENGINEERING PLLC	Fax #:	516 706-3214

Client Sample - Information - Identification

ampler's ignature _____ Date: 8/03/2022

itrix Code:
V=drinking water **WW**=wastewater **S**=soil/solid **O**=oil
W=groundwater **SL**=sludge **A**=air **X**=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs (EPA Method 8260C))	+	+	+	+	+	+	+	+	+	Soil VOA [ ] Methanol [X] S. Bisulfate [ ] H2O	GL Soil container (8) oz	GL Soil container (2) oz	40 ml VOA Vial [ ] As is [x] HCl	GL Amber 1000ml [x] As is [x] H2SO4	PL As is [ ] 250ml [x] 500ml [x] 1000ml	PL HNO3 250ml	PL H2SO4 250ml		
98472	19MW9	GW	8/3/2022	11:20am	X													3						
98473	20MW10	GW	8/3/2022	12:40pm	X													3						
98474	20MW11	GW	8/3/2022	1:30pm	x													3						
98475	Trip Blank	GW	N/A	N/A	X													2						

elinquished by:	Accepted by:	Date:	Time:
Ahmed Elbadri		8/4/22	1401
		8/4	1800

mments, Special Requirements or Regulations:

MW11 pH= Temp =

MW9 pH = Temp =

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
■ Standard
☐ Other 5 DAYS
* **SURCHARGE APPLIES**

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

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☐ NY375 Unrestricted Soil
☐ NY375 Residential Soil
☐ NY375 Restricted
☐ DEP Dewatering Protocol

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

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

State where samples were collected: NY

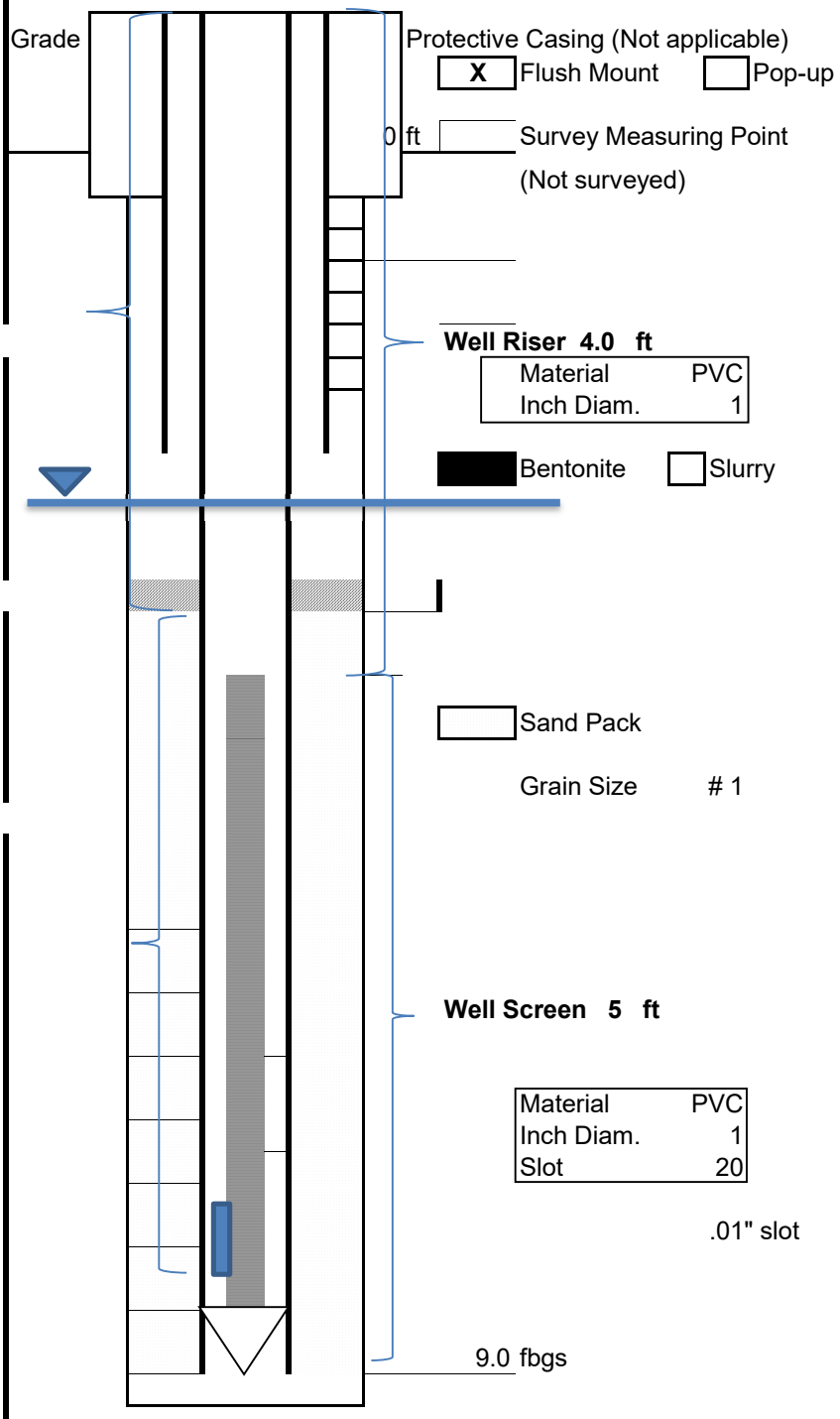
APPENDIX C

20MW11R Well-Installation Information

AMC Engineering PLLC

GROUNDWATER MONITORING WELL

CONSTRUCTION LOG MW-3R (Replacement)



Note: Drawing is not to scale.
Depths are given in feet below land surface.

Monitoring Well No.: 3R (replacement)

Project Name: 69-02 Queens Blvd

Project Location: 69-02 Queens Blvd

Well Location:

Depth to Groundwater: 2.5 ft Date: 7/22/22
As measured from top of casing
Installation Depth: 9
As measured from top of casing
Survey Point Elevation:

Installation Date: 7/22/2022

Drilling Contractor: Coastal Envi

Driller's Name: Jay

Installation Method: Geoprobe

Water Removed During Development: 0 gal

Engineer Ariel Czemerinski, PE

Company Name: AMC Engineering PLLC

Soil Characteristics Not surveyed

Daily Air Monitoring Log

Project Name: 69-02 Queens Boulevard

Date: 7/22/2022

Project Location: 46-09 69th street Woodside NY

BCP No: ~~C241235~~ 241235

Temperature: 82°F Wind Speed: _____ Wind Direction: _____

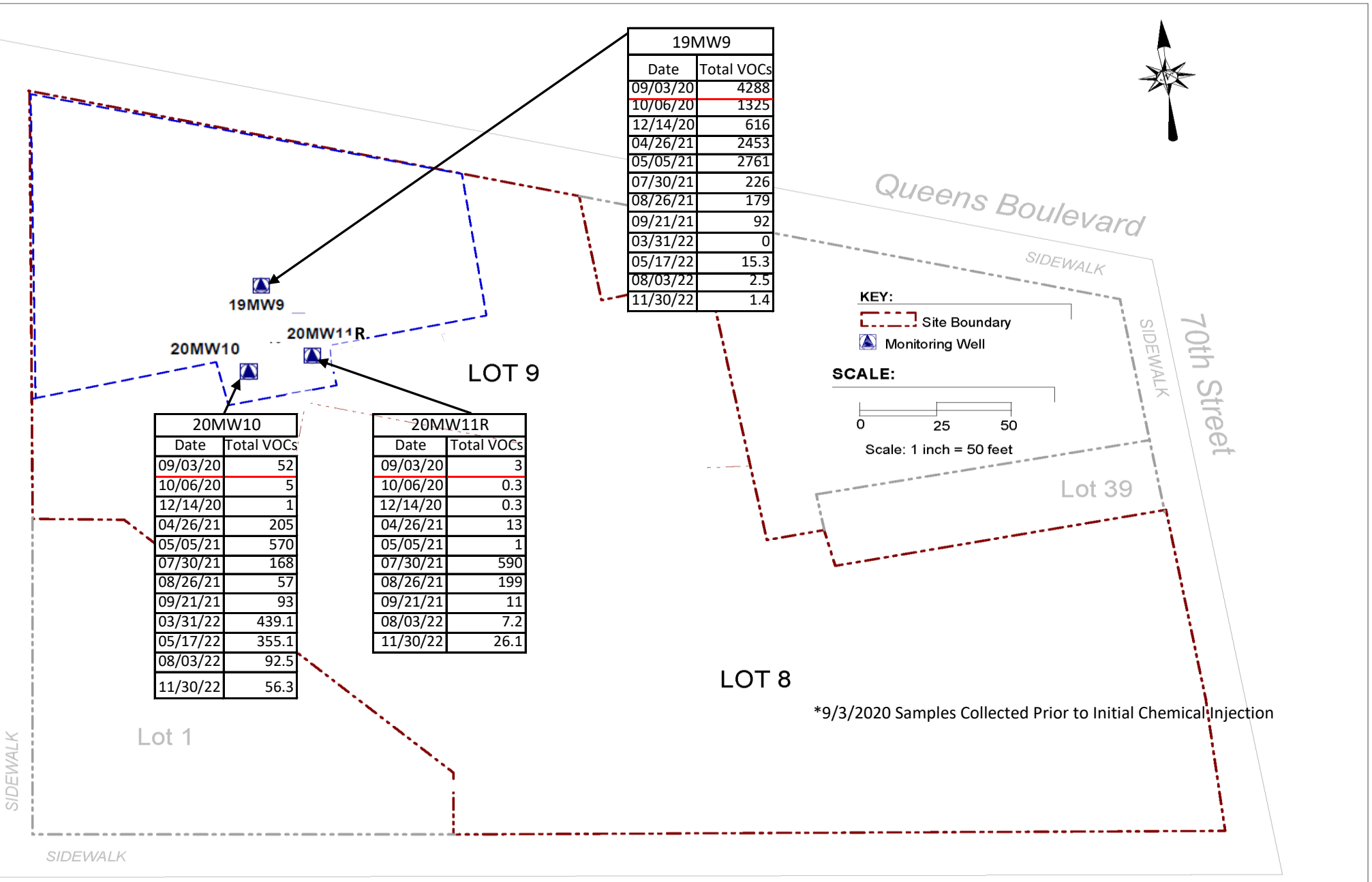
Background Data: Upwind - PID 0.2 ppm Dust Meter 1 - 36 µg/m^3

Downwind - PID 0.2 ppm Dust Meter 2 - 36 µg/m^3

Time	Work Zone		Upwind		Downwind	
	PID - ppm	Dust - µg/m^3	PID - ppm	Dust - µg/m^3	PID - ppm	Dust - µg/m^3
9:25AM	1.1	46.2				
9:40AM	1.4	43.8				
9:55AM	0.7	41.0				

Activities Performed: Monitoring well installation ~~to replace~~

FIGURES



19MW9	
Date	Total VOCs
09/03/20	4288
10/06/20	1325
12/14/20	616
04/26/21	2453
05/05/21	2761
07/30/21	226
08/26/21	179
09/21/21	92
03/31/22	0
05/17/22	15.3
08/03/22	2.5
11/30/22	1.4

20MW10	
Date	Total VOCs
09/03/20	52
10/06/20	5
12/14/20	1
04/26/21	205
05/05/21	570
07/30/21	168
08/26/21	57
09/21/21	93
03/31/22	439.1
05/17/22	355.1
08/03/22	92.5
11/30/22	56.3

20MW11R	
Date	Total VOCs
09/03/20	3
10/06/20	0.3
12/14/20	0.3
04/26/21	13
05/05/21	1
07/30/21	590
08/26/21	199
09/21/21	11
08/03/22	7.2
11/30/22	26.1

*9/3/2020 Samples Collected Prior to Initial Chemical Injection

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

Figure No. 1

11/30/2021

Site Name: 69-02 Queens Boulevard - C241235

Site Address: 46-09 69th Street / 46-10 70th Street, Woodside, NY

Drawing Title: Groundwater Monitoring Well Location Diagram

APPENDIX A

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORMS

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

Well ID:	19MW9			Date:	30-Nov-22
Well Depth (from TOC):	15.4	ft		Equipment:	Horiba and peristaltic pump
Static Water Level (from TOC):	6.9	ft	After: 7.15 ft		
Height of Water in Well:	8.5	ft			
Gallons of Water per Well Volume:	1.387	gal		Field Sampler:	Ahmed Elbadri
Flow Rate:	0.11	gal/min			

Time	Temp	pH	pHmV	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)	Salinity (ppt)	Specific gravity (σt)	Pump Rate	Gal Removed	Comments
10:35	13.46	8.42	-81	-137	2.57	312	13.63	1.65	1.32	0.4	0.11	0.55	Clear, Odor
10:40	13.45	8.55	-88	-110	2.56	273	11.14	1.64	1.31	0.4	0.11	0.55	Clear, Odor
10:45	13.57	8.64	-94	-80	2.54	250	12.71	1.63	1.3	0.4	0.11	0.55	Clear, Odor
10:50	13.62	8.66	-95	-73	2.55	242	11.94	1.64	1.31	0.4	0.11	0.55	Clear, Odor

Other Notes / Comments:

Note: 400 mL = 0.11 gallons

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

Well ID:	20MW10			Date:	30-Nov-22
Well Depth (from TOC):	10.25	ft		Equipment:	Horiba and peristaltic pump
Static Water Level (from TOC):	8.7	ft	After: 10		
Height of Water in Well:	1.55	ft			
Gallons of Water per Well Volume:	0.253	gal		Field Sampler:	Ahmed Elbadri
Flow Rate:	0.11	gal/min			

Time	Temp	pH	pHmV	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)	Salinity (ppt)	Specific gravity (σt)	Pump Rate	Gal Removed	Comments
12:16	14.92	12.64	-322	-137	2.07	139	14.1	1.33	1.05	0	0.11	0.55	Clear
12:21	15.03	12.62	-321	-134	2.02	92.2	12.38	1.3	1.03	0	0.11	0.55	Clear
12:26	15.08	12.6	-321	-132	1.99	82.1	12.45	1.28	1.01	0	0.11	0.55	Clear

Other Notes / Comments:

Note: 400 mL = 0.11 gallons

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

Well ID:	20MW11			Date:	30-Nov-22
Well Depth (from TOC):	8.9	ft		Equipment:	Horiba and peristaltic pump
Static Water Level (from TOC):	6.5	ft	After: 8.3		
Height of Water in Well:	2.4	ft			
Gallons of Water per Well Volume:	0.392	gal		Field Sampler:	Ahmed Elbadri
Flow Rate:	0.11	gal/min			

Time	Temp	pH	pHmV	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)	Salinity (ppt)	Specific gravity (σt)	Pump Rate	Gal Removed	Comments
13:45	14.54	11.06	-232	-24	0.417	1000	12.86	0.271	0.2	0	0.11	0.55	Turbid
13:50	14.45	10.95	-225	-10	0.475	1000	12.58	0.309	0.23	0	0.11	0.55	Turbid
13:55	14.42	10.92	-224	-6	0.502	1000	12.48	0.322	0.24	0	0.11	0.55	Turbid
14:00	14.36	10.86	-220	2	0.509	1000	12.42	0.326	0.24	0	0.11	0.55	Turbid

Other Notes / Comments:

Note: 400 mL = 0.11 gallons

APPENDIX B

LABORATORY REPORTS

PHOENIX
Environmental Laboratories, Inc.

Friday, December 09, 2022

Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Project ID: 69-02 QUEENS BLVD, QUEENS
SDG ID: GCM96240
Sample ID#s: CM96240 - CM96244

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

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

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

NY # 11301

Sample Id Cross Reference

December 09, 2022

SDG I.D.: GCM96240

Project ID: 69-02 QUEENS BLVD, QUEENS

Client Id	Lab Id	Matrix
19MW9	CM96240	GROUND WATER
DUPLICATE	CM96241	GROUND WATER
20MW10	CM96242	GROUND WATER
20MW11	CM96243	GROUND WATER
TRIP BLANK	CM96244	GROUND WATER

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 09, 2022

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		11/30/22	10:40
Location Code:	AMC-ENG	Received by:	CP	12/02/22	17:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCM96240
Phoenix ID: CM96240

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 19MW9

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	12/04/22	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 19MW9

Phoenix I.D.: CM96240

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	12/04/22	MH	SW8260C	
Acrylonitrile	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	12/04/22	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	12/04/22	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	12/04/22	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	12/04/22	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	12/04/22	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
n-Propylbenzene	1.4	1.0	ug/L	1	12/04/22	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	12/04/22	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	12/04/22	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98		%	1	12/04/22	MH	70 - 130 %	
% Bromofluorobenzene	86		%	1	12/04/22	MH	70 - 130 %	
% Dibromofluoromethane	111		%	1	12/04/22	MH	70 - 130 %	

Ver 1

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 19MW9

Phoenix I.D.: CM96240

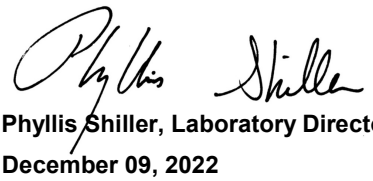
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	94		%	1	12/04/22	MH	70 - 130 %

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

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

Comments:

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



Phyllis Shiller, Laboratory Director
December 09, 2022
Reviewed and Released by: Anil Makol, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 09, 2022

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		11/30/22	10:45
Location Code:	AMC-ENG	Received by:	CP	12/02/22	17:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCM96240
Phoenix ID: CM96241

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: DUPLICATE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	12/04/22	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: DUPLICATE

Phoenix I.D.: CM96241

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	12/04/22	MH	SW8260C	
Acrylonitrile	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	12/04/22	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	12/04/22	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	12/04/22	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	12/04/22	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	12/04/22	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
n-Propylbenzene	1.6	1.0	ug/L	1	12/04/22	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	12/04/22	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	12/04/22	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99		%	1	12/04/22	MH	70 - 130 %	
% Bromofluorobenzene	87		%	1	12/04/22	MH	70 - 130 %	
% Dibromofluoromethane	113		%	1	12/04/22	MH	70 - 130 %	

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: DUPLICATE

Phoenix I.D.: CM96241

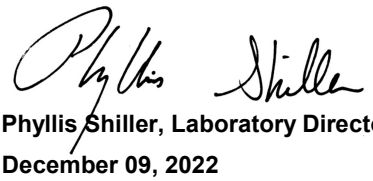
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	94		%	1	12/04/22	MH	70 - 130 %

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

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

Comments:

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



Phyllis Shiller, Laboratory Director
December 09, 2022
Reviewed and Released by: Anil Makol, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 09, 2022

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		11/30/22	12:40
Location Code:	AMC-ENG	Received by:	CP	12/02/22	17:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCM96240
Phoenix ID: CM96242

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 20MW10

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	12/04/22	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2,4-Trimethylbenzene	1.3	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	
2-Isopropyltoluene	1.1	1.0	ug/L	1	12/04/22	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	

Ver 1

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 20MW10

Phoenix I.D.: CM96242

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	12/04/22	MH	SW8260C	
Acrylonitrile	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	12/04/22	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	12/04/22	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	12/04/22	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	12/04/22	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	12/04/22	MH	SW8260C	
Isopropylbenzene	9.8	1.0	ug/L	1	12/04/22	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
n-Butylbenzene	3.2	1.0	ug/L	1	12/04/22	MH	SW8260C	
n-Propylbenzene	33	10	ug/L	10	12/07/22	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
p-Isopropyltoluene	1.4	1.0	ug/L	1	12/04/22	MH	SW8260C	
sec-Butylbenzene	6.5	1.0	ug/L	1	12/04/22	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	12/04/22	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	12/04/22	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102		%	1	12/04/22	MH	70 - 130 %	
% Bromofluorobenzene	90		%	1	12/04/22	MH	70 - 130 %	
% Dibromofluoromethane	108		%	1	12/04/22	MH	70 - 130 %	

Ver 1

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 20MW10

Phoenix I.D.: CM96242

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	95		%	1	12/04/22	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (10x)	99		%	10	12/07/22	MH	70 - 130 %
% Bromofluorobenzene (10x)	98		%	10	12/07/22	MH	70 - 130 %
% Dibromofluoromethane (10x)	89		%	10	12/07/22	MH	70 - 130 %
% Toluene-d8 (10x)	99		%	10	12/07/22	MH	70 - 130 %

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

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

Comments:

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

Phyllis Shiller, Laboratory Director
December 09, 2022
Reviewed and Released by: Anil Makol, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 09, 2022

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		11/30/22	14:00
Location Code:	AMC-ENG	Received by:	CP	12/02/22	17:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCM96240
Phoenix ID: CM96243

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 20MW11

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	12/04/22	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2,4-Trimethylbenzene	6.8	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	

Ver 1

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 20MW11

Phoenix I.D.: CM96243

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	12/04/22	MH	SW8260C	
Acrylonitrile	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	12/04/22	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	12/04/22	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	12/04/22	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	12/04/22	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Ethylbenzene	4.1	1.0	ug/L	1	12/04/22	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	12/04/22	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
m&p-Xylene	6.3	1.0	ug/L	1	12/04/22	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Naphthalene	2.6	1.0	ug/L	1	12/04/22	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	12/04/22	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Total Xylenes	6.3	1.0	ug/L	1	12/04/22	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	12/04/22	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97		%	1	12/04/22	MH	70 - 130 %	
% Bromofluorobenzene	90		%	1	12/04/22	MH	70 - 130 %	
% Dibromofluoromethane	100		%	1	12/04/22	MH	70 - 130 %	

Ver 1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	93		%	1	12/04/22	MH	70 - 130 %

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

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

Comments:

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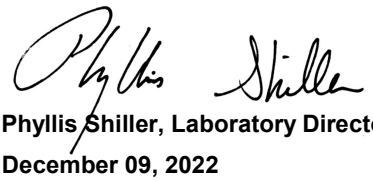


Phyllis Shiller, Laboratory Director
December 09, 2022
Reviewed and Released by: Anil Makol, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 09, 2022

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		11/30/22	
Location Code:	AMC-ENG	Received by:	CP	12/02/22	17:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCM96240
Phoenix ID: CM96244

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	12/04/22	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	12/04/22	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: TRIP BLANK

Phoenix I.D.: CM96244

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	12/04/22	MH	SW8260C	
Acrylonitrile	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	12/04/22	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	12/04/22	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	12/04/22	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	12/04/22	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	12/04/22	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	12/04/22	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	12/04/22	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	12/04/22	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	12/04/22	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97		%	1	12/04/22	MH	70 - 130 %	
% Bromofluorobenzene	84		%	1	12/04/22	MH	70 - 130 %	
% Dibromofluoromethane	110		%	1	12/04/22	MH	70 - 130 %	

Ver 1

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: TRIP BLANK

Phoenix I.D.: CM96244

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	94		%	1	12/04/22	MH	70 - 130 %

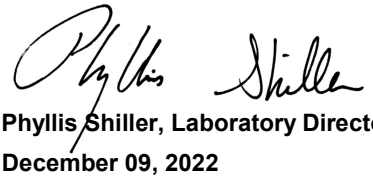
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

TRIP BLANK INCLUDED.

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



Phyllis Shiller, Laboratory Director
December 09, 2022
Reviewed and Released by: Anil Makol, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

December 09, 2022

QA/QC Data

SDG I.D.: GCM96240

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 654718 (ug/L), QC Sample No: CM96244 (CM96240, CM96241, CM96242, CM96243, CM96244)										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	1.0	124	120	3.3				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	116	111	4.4				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	95	95	0.0				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	96	98	2.1				70 - 130	30
1,1-Dichloroethane	ND	1.0	106	103	2.9				70 - 130	30
1,1-Dichloroethene	ND	1.0	115	108	6.3				70 - 130	30
1,1-Dichloropropene	ND	1.0	112	107	4.6				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	106	102	3.8				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	97	97	0.0				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	105	102	2.9				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	102	95	7.1				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	103	104	1.0				70 - 130	30
1,2-Dibromoethane	ND	1.0	104	104	0.0				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	104	101	2.9				70 - 130	30
1,2-Dichloroethane	ND	1.0	94	95	1.1				70 - 130	30
1,2-Dichloropropane	ND	1.0	93	91	2.2				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	109	101	7.6				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	106	100	5.8				70 - 130	30
1,3-Dichloropropane	ND	1.0	99	98	1.0				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	105	99	5.9				70 - 130	30
2,2-Dichloropropane	ND	1.0	121	114	6.0				70 - 130	30
2-Chlorotoluene	ND	1.0	111	103	7.5				70 - 130	30
2-Hexanone	ND	5.0	77	81	5.1				70 - 130	30
2-Isopropyltoluene	ND	1.0	109	102	6.6				70 - 130	30
4-Chlorotoluene	ND	1.0	110	103	6.6				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	79	85	7.3				70 - 130	30
Acetone	ND	5.0	92	77	17.8				70 - 130	30
Acrylonitrile	ND	5.0	92	101	9.3				70 - 130	30
Benzene	ND	0.70	102	96	6.1				70 - 130	30
Bromobenzene	ND	1.0	104	101	2.9				70 - 130	30
Bromochloromethane	ND	1.0	110	113	2.7				70 - 130	30
Bromodichloromethane	ND	0.50	103	101	2.0				70 - 130	30
Bromoform	ND	1.0	117	114	2.6				70 - 130	30
Bromomethane	ND	1.0	126	115	9.1				70 - 130	30
Carbon Disulfide	ND	1.0	105	99	5.9				70 - 130	30
Carbon tetrachloride	ND	1.0	138	130	6.0				70 - 130	30
Chlorobenzene	ND	1.0	105	100	4.9				70 - 130	30
Chloroethane	ND	1.0	115	108	6.3				70 - 130	30
Chloroform	ND	1.0	104	101	2.9				70 - 130	30
Chloromethane	ND	1.0	79	73	7.9				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	110	107	2.8				70 - 130	30

QA/QC Data

SDG I.D.: GCM96240

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,3-Dichloropropene	ND	0.40	103	100	3.0				70 - 130	30
Dibromochloromethane	ND	0.50	115	113	1.8				70 - 130	30
Dibromomethane	ND	1.0	101	100	1.0				70 - 130	30
Dichlorodifluoromethane	ND	1.0	105	100	4.9				70 - 130	30
Ethylbenzene	ND	1.0	109	101	7.6				70 - 130	30
Hexachlorobutadiene	ND	0.40	106	102	3.8				70 - 130	30
Isopropylbenzene	ND	1.0	110	102	7.5				70 - 130	30
m&p-Xylene	ND	1.0	108	101	6.7				70 - 130	30
Methyl ethyl ketone	ND	5.0	86	100	15.1				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	93	96	3.2				70 - 130	30
Methylene chloride	ND	1.0	95	93	2.1				70 - 130	30
Naphthalene	ND	1.0	98	99	1.0				70 - 130	30
n-Butylbenzene	ND	1.0	112	105	6.5				70 - 130	30
n-Propylbenzene	ND	1.0	110	102	7.5				70 - 130	30
o-Xylene	ND	1.0	105	99	5.9				70 - 130	30
p-Isopropyltoluene	ND	1.0	113	104	8.3				70 - 130	30
sec-Butylbenzene	ND	1.0	111	103	7.5				70 - 130	30
Styrene	ND	1.0	107	102	4.8				70 - 130	30
tert-Butylbenzene	ND	1.0	112	103	8.4				70 - 130	30
Tetrachloroethene	ND	1.0	106	98	7.8				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	82	82	0.0				70 - 130	30
Toluene	ND	1.0	101	96	5.1				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	112	106	5.5				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	108	108	0.0				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	104	103	1.0				70 - 130	30
Trichloroethene	ND	1.0	109	101	7.6				70 - 130	30
Trichlorofluoromethane	ND	1.0	118	112	5.2				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	111	107	3.7				70 - 130	30
Vinyl chloride	ND	1.0	109	102	6.6				70 - 130	30
% 1,2-dichlorobenzene-d4	99	%	98	99	1.0				70 - 130	30
% Bromofluorobenzene	86	%	91	93	2.2				70 - 130	30
% Dibromofluoromethane	113	%	101	106	4.8				70 - 130	30
% Toluene-d8	94	%	92	93	1.1				70 - 130	30

Comment:

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

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

QA/QC Batch 655027 (ug/L), QC Sample No: CM98422 (CM96242 (10X))

Volatiles - Ground Water

n-Propylbenzene	ND	1.0	115	109	5.4				70 - 130	30
% 1,2-dichlorobenzene-d4	98	%	99	99	0.0				70 - 130	30
% Bromofluorobenzene	99	%	100	100	0.0				70 - 130	30
% Dibromofluoromethane	91	%	92	93	1.1				70 - 130	30
% Toluene-d8	99	%	100	101	1.0				70 - 130	30

Comment:

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

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

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

QA/QC Data

SDG I.D.: GCM96240

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

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

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
December 09, 2022

Friday, December 09, 2022

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCM96240 - AMC-ENG

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

*** No Data to Display ***

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

December 09, 2022 SDG I.D.: GCM96240

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

VOA Narration

CHEM17 12/04/22-1: CM96240, CM96241, CM96242, CM96243, CM96244

Chem 17 is a 25ml purge instrument. The laboratory minimum response factor is set at 0.01 instead of 0.05 for the 25ml purge instruments. EPA method 8260D Table 4 supports this approach.

The following Initial Calibration compounds did not meet RSD% criteria: Bromomethane 23% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: 2-Hexanone 0.054 (0.1), 4-Methyl-2-pentanone 0.073 (0.1), Acetone 0.032 (0.1), Acrylonitrile 0.045 (0.05), Methyl ethyl ketone 0.056 (0.1), Tetrahydrofuran (THF) 0.035 (0.05)
The following Initial Calibration compounds did not meet minimum response factors: Acetone 0.032 (0.05), Acrylonitrile 0.045 (0.05), Tetrahydrofuran (THF) 0.035 (0.05)

The following Continuing Calibration compounds did not meet % deviation criteria: Carbon tetrachloride 35%H (30%)
The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.
The following Continuing Calibration compounds did not meet recommended response factors: 2-Hexanone 0.045 (0.05), Acetone 0.033 (0.05), Acrylonitrile 0.047 (0.05), Tetrahydrofuran (THF) 0.030 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: 2-Hexanone 0.054 (0.05), Acetone 0.032 (0.05), Acrylonitrile 0.045 (0.05), Tetrahydrofuran (THF) 0.035 (0.05)

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

December 09, 2022

SDG I.D.: GCM96240

The samples in this delivery group were received at 2.5°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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

Client Services (860) 645-8726

WCP Temp 2.5 Pg 1 of 1

Data Delivery:
☐ Fax #: _____
☑ Emai ARIEL@AMC-ENGINEERING.COM

Customer: AMC ENGINEERING PLLC
Address: 18-36 42nd Street
Astoria NY 11105

Project: 69-02 Queens Boulevard, Queens
Report to: ARIEL CZEMERINSKI
Invoice to: AMC ENGINEERING PLLC

Project P.O:
Phone #: 718 545-0474
Fax #: 516 706-3214

Client Sample - Information - Identification

Sampler's Signature _____ Date: 11/30/2022

Matrix Code:
DW=drinking water **WW**=wastewater **S**=soil/solid **O**=oil
GW=groundwater **SL**=sludge **A**=air **X**=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs (EPA Method 8260C))	+	+	+	+	+	+	+	+	+	+	Soil VOA [ ] Methanol [X] S. Bisulfate [ ] H2O	GL Soil container (8) oz	GL Soil container (2) oz	40 ml VOA Vial [ ] As is [x] HCl	GL Amber 1000ml [x] As is [x] H2SO4	PL As is [ ] 250ml [x] 500ml [x] 1000ml	PL HNO3 250ml	PL H2SO4 250ml			
96240	19MW9	GW	11/30/2022	10:40 AM	X														3							
96241	Duplicate	GW	11/30/2022	10:45 AM	X														3							
96242	20MW10	GW	11/30/2022	12:40 PM	X														3							
96243	20MW11	GW	11/30/2022	2:00 PM	x														3							
96244	Trip Blank	GW	N/A	N/A	X														2							

Relinquished by:	Accepted by:	Date:	Time:
WCP/AMC		12/2/22	1354
		12/02/22	1705

Comments, Special Requirements or Regulations: VOAs not labeled, bag labeled

20MW11 pH= 10.86 Temp = 14.36
19MW9 pH = 8.66 Temp = 13.62
20MW10 pH = 12.60 Temp = 15.08

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
■ Standard
☐ Other
* SURCHARGE APPLIES

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

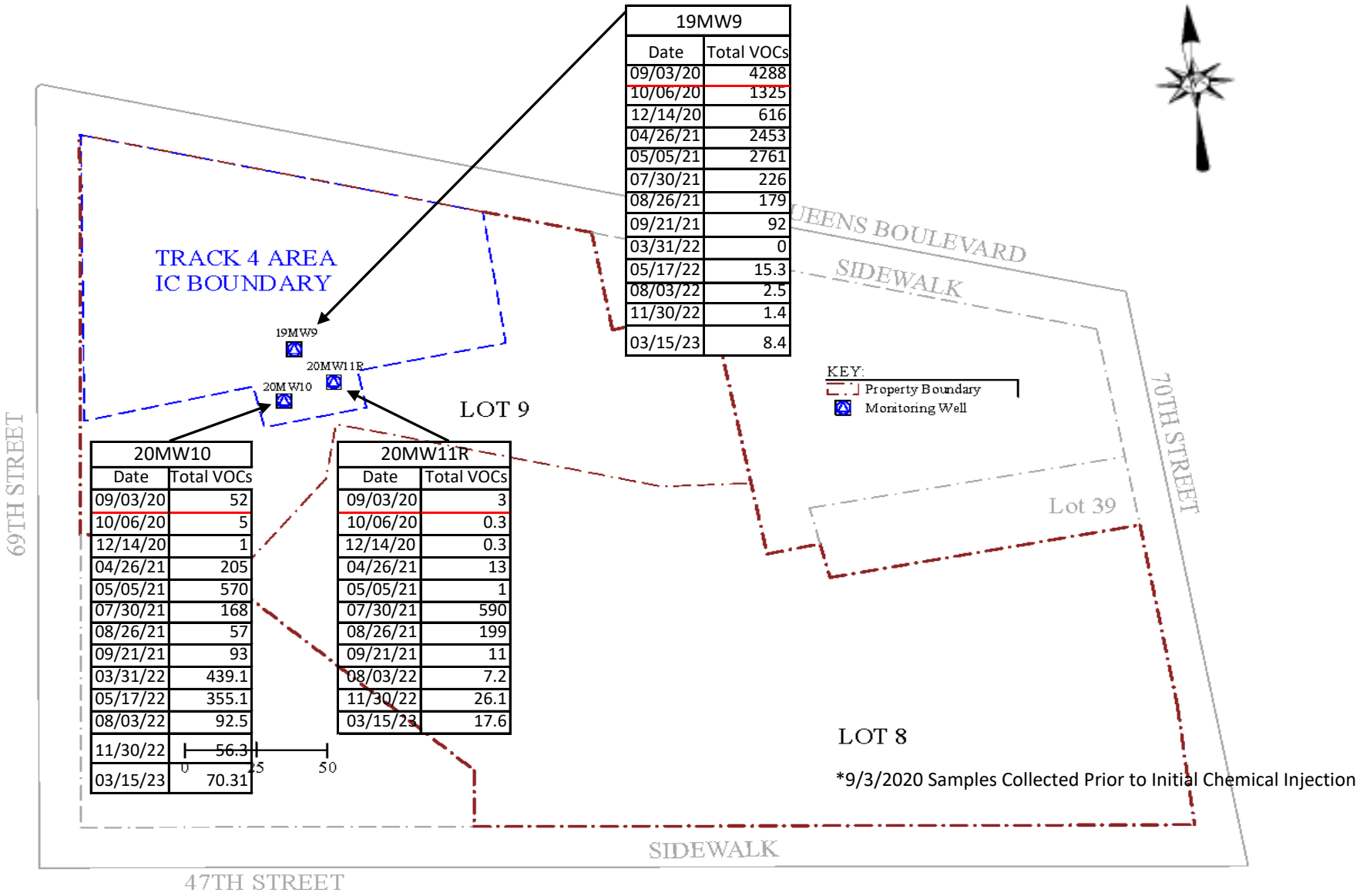
NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☐ NY375 Unrestricted Soil
☐ NY375 Residential Soil
☐ NY375 Restricted
☐ DEP Dewatering Protocol

State where samples were collected: NY

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

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

FIGURES



19MW9	
Date	Total VOCs
09/03/20	4288
10/06/20	1325
12/14/20	616
04/26/21	2453
05/05/21	2761
07/30/21	226
08/26/21	179
09/21/21	92
03/31/22	0
05/17/22	15.3
08/03/22	2.5
11/30/22	1.4
03/15/23	8.4

20MW10	
Date	Total VOCs
09/03/20	52
10/06/20	5
12/14/20	1
04/26/21	205
05/05/21	570
07/30/21	168
08/26/21	57
09/21/21	93
03/31/22	439.1
05/17/22	355.1
08/03/22	92.5
11/30/22	56.3
03/15/23	70.31

20MW11R	
Date	Total VOCs
09/03/20	3
10/06/20	0.3
12/14/20	0.3
04/26/21	13
05/05/21	1
07/30/21	590
08/26/21	199
09/21/21	11
08/03/22	7.2
11/30/22	26.1
03/15/23	17.6

*9/3/2020 Samples Collected Prior to Initial Chemical Injection

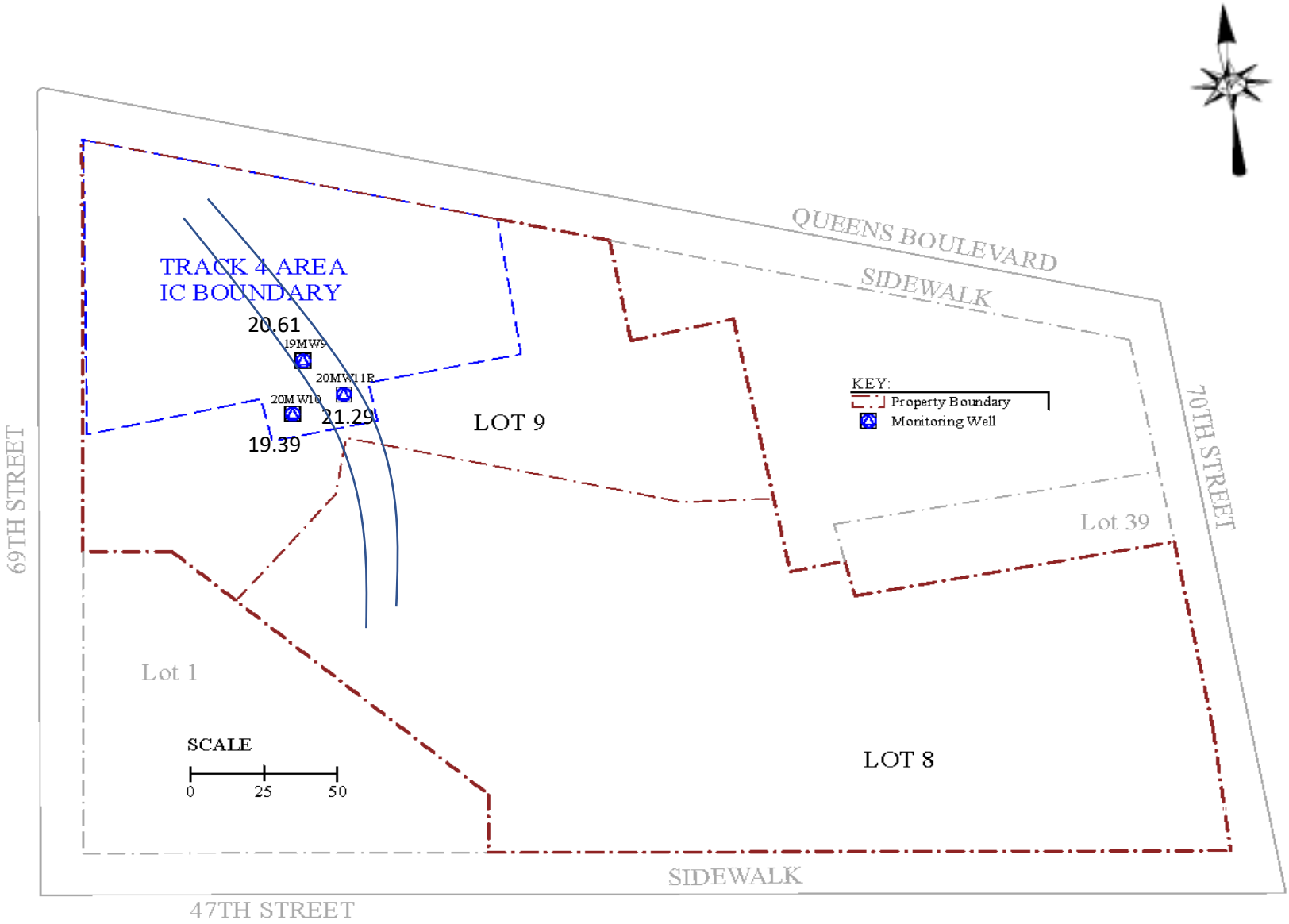
AMC ENGINEERING PLLC
18-36 42ND STREET
ASTORIA, NY 11105
718-545-0474

PROJECT:
69-02 QUEENS BOULEVARD
49-06 60TH STREET/46-10 70TH STREET,
WOODSIDE, NY

DATE: 4/24/2023

DRAWING BY: AE

TITLE:
FIGURE 1: MONITORING WELL LOCATION AND HISTORICAL EXCEEDANCES



AMC ENGINEERING PLLC 18-36 42ND STREET ASTORIA, NY 11105 718-545-0474		PROJECT: 69-02 QUEENS BOULEVARD 49-06 60TH STREET/46-10 70TH STREET, WOODSIDE, NY
DATE: 4/24/2023	DRAWING BY: AE	TITLE: FIGURE 2: GROUNDWATER CONTOUR MAP

APPENDIX A

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORMS

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

Well ID:	19MW9			Date:	15-Mar-23
Well Depth (from TOC):	15.4	ft		Equipment:	Horiba and peristaltic pump
Static Water Level (from TOC):	6.8	ft	After: 12.05 ft		
Height of Water in Well:	8.6	ft			
Gallons of Water per Well Volume:	1.403	gal		Field Sampler:	Ahmed Elbadri
Flow Rate:	0.07	gal/min			

Time	Temp C	pH	pHmV	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)	Salinity (ppt)	Specific gravity (σt)	Pump Rate	Gal Removed	Comments
9:27	10.58	8.54	-87	-82	2.54	1000	30	1.63	1.3	0.8	0.07	0.35	Clear, Odor
9:32	9.55	8.68	-94	-42	2.58	888	17.15	1.65	1.31	0.9	0.07	0.35	Clear, Odor
9:37	10.31	8.73	-97	-20	2.51	508	15.67	1.61	1.28	0.8	0.07	0.35	Clear, Odor
9:42	9.71	8.77	-99	-2	2.55	339	15.94	1.63	1.3	0.8	0.07	0.35	Clear, Odor
9:47	9.75	8.82	-102	18	2.54	217	15.69	1.63	1.29	0.8	0.07	0.35	Clear, Odor
9:52	9.94	8.83	-103	31	2.52	149	15.39	1.62	1.29	0.8	0.07	0.35	Clear, Odor
9:57	10.28	8.86	-105	46	2.5	108	16.62	1.6	1.27	0.8	0.07	0.35	Clear, Odor

Other Notes / Comments:

Note: 250 mL = 0.07 gallons

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

Well ID:	20MW10			Date:	15-Mar-23
Well Depth (from TOC):	10.25	ft		Equipment:	Horiba and peristaltic pump
Static Water Level (from TOC):	8.1	ft	After: 8.81		
Height of Water in Well:	2.15	ft			
Gallons of Water per Well Volume:	0.351	gal		Field Sampler:	Ahmed Elbadri
Flow Rate:	0.07	gal/min			

Time	Temp C	pH	pHmV	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)	Salinity (ppt)	Specific gravity (σt)	Pump Rate	Gal Removed	Comments
11:21	11.04	12.99	-338	-80	2.51	500	20.48	1.61	1.28	0.7	0.07	0.35	Clear
11:26	11.14	12.99	-338	-82	2.47	395	11.24	1.58	1.26	0.7	0.07	0.35	Clear
11:31	11.18	12.98	-337	-84	2.44	319	11.72	1.56	1.24	0.7	0.07	0.35	Clear
11:36	11.21	12.96	-337	-86	2.4	271	11.8	1.54	1.22	0.6	0.07	0.35	Clear
11:41	11.24	12.95	-336	-87	2.39	206	12.18	1.53	1.22	0.6	0.07	0.35	Clear
11:46	11.27	12.94	-335	-88	2.35	146	12.71	1.51	1.2	0.6	0.07	0.35	Clear
11:51	11.29	12.93	-335	-89	2.33	129	12.87	1.49	1.18	0.6	0.07	0.35	Clear

Other Notes / Comments:

Note: 250 mL = 0.07 gallons

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

Well ID:	20MW11R		
Well Depth (from TOC):	8.9	ft	
Static Water Level (from TOC):	6.15	ft	After: 8.25
Height of Water in Well:	2.75	ft	
Gallons of Water per Well Volume:	0.449	gal	
Flow Rate:	0.07	gal/min	

Date: 15-Mar-23
Equipment: Horiba and peristaltic pump

Field Sampler: Ahmed Elbadri

Time	Temp C	pH	pHmV	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)	Salinity (ppt)	Specific gravity (σt)	Pump Rate	Gal Removed	Comments
13:20	10.72	10.11	-175	36	1.16	1000	35.87	0.739	0.57	0.2	0.07	0.35	Turbid
13:25	10.64	10.08	-173	46	1.14	1000	13.13	0.732	0.56	0.2	0.07	0.35	Turbid
13:30	10.56	10.03	-170	54	1.14	1000	14.48	0.728	0.56	0.2	0.07	0.35	Turbid
13:35	10.41	9.97	-167	65	1.13	914	14.67	0.722	0.55	0.2	0.07	0.35	Turbid
13:40	10.38	9.97	-167	67	1.13	920	14.7	0.721	0.55	0.2	0.07	0.35	Turbid
13:45	10.29	9.94	-165	73	1.12	866	14.68	0.719	0.55	0.2	0.07	0.35	Turbid

Other Notes / Comments:

Note: 250 mL = 0.07 gallons

APPENDIX B

LABORATORY REPORTS

PHOENIX
Environmental Laboratories, Inc.

Tuesday, March 21, 2023

Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Project ID: 69-02 QUEENS BLVD, QUEENS
SDG ID: GCN61348
Sample ID#s: CN61348 - CN61352

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

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

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

NY # 11301

Sample Id Cross Reference

March 21, 2023

SDG I.D.: GCN61348

Project ID: 69-02 QUEENS BLVD, QUEENS

Client Id	Lab Id	Matrix
19MW9	CN61348	GROUND WATER
DUPLICATE	CN61349	GROUND WATER
20MW10	CN61350	GROUND WATER
20MW11	CN61351	GROUND WATER
TRIP BLANK	CN61352	GROUND WATER

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 21, 2023

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/15/23	10:00
Location Code:	AMC-ENG	Received by:	CP	03/16/23	15:22
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN61348
Phoenix ID: CN61348

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 19MW9

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	03/16/23	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	03/16/23	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	03/16/23	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	03/16/23	MH	SW8260C	

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 19MW9

Phoenix I.D.: CN61348

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	03/16/23	MH	SW8260C	
Acrylonitrile	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	03/16/23	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	03/16/23	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	03/16/23	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	03/16/23	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	03/16/23	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	03/16/23	MH	SW8260C	
Isopropylbenzene	1.9	1.0	ug/L	1	03/16/23	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	03/16/23	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
n-Propylbenzene	5.4	1.0	ug/L	1	03/16/23	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
sec-Butylbenzene	1.1	1.0	ug/L	1	03/16/23	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	03/16/23	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	03/16/23	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	03/16/23	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99		%	1	03/16/23	MH	70 - 130 %	
% Bromofluorobenzene	95		%	1	03/16/23	MH	70 - 130 %	
% Dibromofluoromethane	101		%	1	03/16/23	MH	70 - 130 %	

Ver 1

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 19MW9

Phoenix I.D.: CN61348

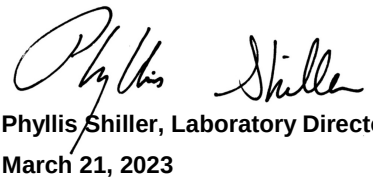
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	101		%	1	03/16/23	MH	70 - 130 %

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

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

Comments:

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



Phyllis Shiller, Laboratory Director

March 21, 2023

Reviewed and Released by: Anil Makol, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 21, 2023

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/15/23	11:00
Location Code:	AMC-ENG	Received by:	CP	03/16/23	15:22
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN61348
Phoenix ID: CN61349

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: DUPLICATE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	03/17/23	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,2,4-Trimethylbenzene	1.2	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	03/17/23	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	03/17/23	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	03/17/23	MH	SW8260C	

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: DUPLICATE

Phoenix I.D.: CN61349

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	03/17/23	MH	SW8260C	
Acrylonitrile	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Benzene	1.0	0.70	ug/L	1	03/17/23	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	03/17/23	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	03/17/23	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	03/17/23	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	03/17/23	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	03/17/23	MH	SW8260C	
Isopropylbenzene	7.5	1.0	ug/L	1	03/17/23	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	03/17/23	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
n-Butylbenzene	2.3	1.0	ug/L	1	03/17/23	MH	SW8260C	
n-Propylbenzene	24	10	ug/L	10	03/17/23	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
p-Isopropyltoluene	1.1	1.0	ug/L	1	03/17/23	MH	SW8260C	
sec-Butylbenzene	4.4	1.0	ug/L	1	03/17/23	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	03/17/23	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	03/17/23	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	03/17/23	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100		%	1	03/17/23	MH	70 - 130 %	
% Bromofluorobenzene	98		%	1	03/17/23	MH	70 - 130 %	
% Dibromofluoromethane	95		%	1	03/17/23	MH	70 - 130 %	

Ver 1

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: DUPLICATE

Phoenix I.D.: CN61349

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	100		%	1	03/17/23	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (10x)	101		%	10	03/17/23	MH	70 - 130 %
% Bromofluorobenzene (10x)	93		%	10	03/17/23	MH	70 - 130 %
% Dibromofluoromethane (10x)	94		%	10	03/17/23	MH	70 - 130 %
% Toluene-d8 (10x)	101		%	10	03/17/23	MH	70 - 130 %

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

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

Comments:

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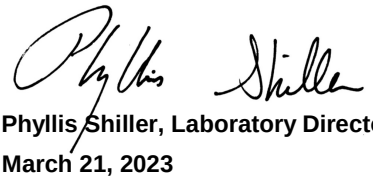

Phyllis Shiller, Laboratory Director

March 21, 2023

Reviewed and Released by: Anil Makol, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 21, 2023

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/15/23	12:00
Location Code:	AMC-ENG	Received by:	CP	03/16/23	15:22
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN61348
Phoenix ID: CN61350

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 20MW10

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	03/17/23	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,2,4-Trimethylbenzene	1.2	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	03/17/23	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	03/17/23	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	03/17/23	MH	SW8260C	

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 20MW10

Phoenix I.D.: CN61350

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	03/17/23	MH	SW8260C	
Acrylonitrile	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Benzene	0.91	0.70	ug/L	1	03/17/23	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	03/17/23	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	03/17/23	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	03/17/23	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	03/17/23	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	03/17/23	MH	SW8260C	
Isopropylbenzene	7.4	1.0	ug/L	1	03/17/23	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	03/17/23	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
n-Butylbenzene	2.3	1.0	ug/L	1	03/17/23	MH	SW8260C	
n-Propylbenzene	53	10	ug/L	10	03/17/23	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
p-Isopropyltoluene	1.1	1.0	ug/L	1	03/17/23	MH	SW8260C	
sec-Butylbenzene	4.4	1.0	ug/L	1	03/17/23	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	03/17/23	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	03/17/23	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	03/17/23	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99		%	1	03/17/23	MH	70 - 130 %	
% Bromofluorobenzene	99		%	1	03/17/23	MH	70 - 130 %	
% Dibromofluoromethane	94		%	1	03/17/23	MH	70 - 130 %	

Ver 1

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 20MW10

Phoenix I.D.: CN61350

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	101		%	1	03/17/23	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (10x)	100		%	10	03/17/23	MH	70 - 130 %
% Bromofluorobenzene (10x)	96		%	10	03/17/23	MH	70 - 130 %
% Dibromofluoromethane (10x)	98		%	10	03/17/23	MH	70 - 130 %
% Toluene-d8 (10x)	101		%	10	03/17/23	MH	70 - 130 %

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

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

Comments:

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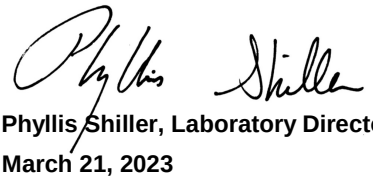

Phyllis Shiller, Laboratory Director

March 21, 2023

Reviewed and Released by: Anil Makol, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 21, 2023

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/15/23	13:00
Location Code:	AMC-ENG	Received by:	CP	03/16/23	15:22
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN61348
Phoenix ID: CN61351

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 20MW11

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	03/17/23	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,2,4-Trimethylbenzene	3.1	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	03/17/23	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	03/17/23	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	03/17/23	MH	SW8260C	

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 20MW11

Phoenix I.D.: CN61351

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	03/17/23	MH	SW8260C	
Acrylonitrile	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	03/17/23	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	03/17/23	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	03/17/23	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	03/17/23	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	03/17/23	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Ethylbenzene	4.5	1.0	ug/L	1	03/17/23	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	03/17/23	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
m&p-Xylene	3.0	1.0	ug/L	1	03/17/23	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	03/17/23	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Naphthalene	1.6	1.0	ug/L	1	03/17/23	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
n-Propylbenzene	2.4	1.0	ug/L	1	03/17/23	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	03/17/23	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Total Xylenes	3.0	1.0	ug/L	1	03/17/23	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	03/17/23	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	03/17/23	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	03/17/23	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98		%	1	03/17/23	MH	70 - 130 %	
% Bromofluorobenzene	98		%	1	03/17/23	MH	70 - 130 %	
% Dibromofluoromethane	95		%	1	03/17/23	MH	70 - 130 %	

Ver 1

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: 20MW11

Phoenix I.D.: CN61351

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	100		%	1	03/17/23	MH	70 - 130 %

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

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

Comments:

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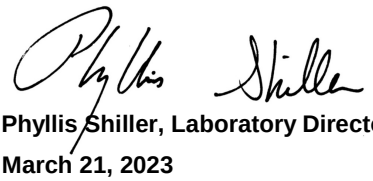


Phyllis Shiller, Laboratory Director

March 21, 2023

Reviewed and Released by: Anil Makol, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 21, 2023

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/15/23	
Location Code:	AMC-ENG	Received by:	CP	03/16/23	15:22
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCN61348
Phoenix ID: CN61352

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	03/16/23	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	03/16/23	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	03/16/23	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	03/16/23	MH	SW8260C	

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: TRIP BLANK

Phoenix I.D.: CN61352

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	03/16/23	MH	SW8260C	
Acrylonitrile	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	03/16/23	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	03/16/23	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	03/16/23	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	03/16/23	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	03/16/23	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	03/16/23	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	03/16/23	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	03/16/23	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	03/16/23	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	03/16/23	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	03/16/23	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102		%	1	03/16/23	MH	70 - 130 %	
% Bromofluorobenzene	92		%	1	03/16/23	MH	70 - 130 %	
% Dibromofluoromethane	99		%	1	03/16/23	MH	70 - 130 %	

Ver 1

Project ID: 69-02 QUEENS BLVD, QUEENS
Client ID: TRIP BLANK

Phoenix I.D.: CN61352

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	101		%	1	03/16/23	MH	70 - 130 %

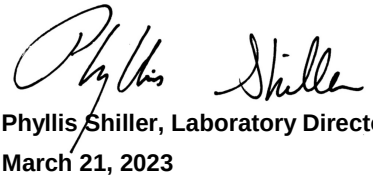
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

TRIP BLANK INCLUDED.

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



Phyllis Shiller, Laboratory Director
March 21, 2023
Reviewed and Released by: Anil Makol, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 21, 2023

QA/QC Data

SDG I.D.: GCN61348

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 668605 (ug/L), QC Sample No: CN61352 (CN61348, CN61349, CN61350, CN61351, CN61352)										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	1.0	107	107	0.0				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	100	98	2.0				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	102	105	2.9				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	100	103	3.0				70 - 130	30
1,1-Dichloroethane	ND	1.0	102	101	1.0				70 - 130	30
1,1-Dichloroethene	ND	1.0	100	99	1.0				70 - 130	30
1,1-Dichloropropene	ND	1.0	104	102	1.9				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	113	114	0.9				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	102	102	0.0				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	115	115	0.0				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	115	113	1.8				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	114	118	3.4				70 - 130	30
1,2-Dibromoethane	ND	1.0	105	107	1.9				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	104	103	1.0				70 - 130	30
1,2-Dichloroethane	ND	1.0	100	102	2.0				70 - 130	30
1,2-Dichloropropane	ND	1.0	105	104	1.0				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	116	111	4.4				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	106	105	0.9				70 - 130	30
1,3-Dichloropropane	ND	1.0	107	108	0.9				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	104	103	1.0				70 - 130	30
2,2-Dichloropropane	ND	1.0	108	101	6.7				70 - 130	30
2-Chlorotoluene	ND	1.0	113	111	1.8				70 - 130	30
2-Hexanone	ND	5.0	103	106	2.9				70 - 130	30
2-Isopropyltoluene	ND	1.0	112	111	0.9				70 - 130	30
4-Chlorotoluene	ND	1.0	113	111	1.8				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	104	106	1.9				70 - 130	30
Acetone	ND	5.0	103	111	7.5				70 - 130	30
Acrylonitrile	ND	5.0	99	104	4.9				70 - 130	30
Benzene	ND	0.70	106	106	0.0				70 - 130	30
Bromobenzene	ND	1.0	107	108	0.9				70 - 130	30
Bromochloromethane	ND	1.0	100	103	3.0				70 - 130	30
Bromodichloromethane	ND	0.50	102	107	4.8				70 - 130	30
Bromoform	ND	1.0	105	106	0.9				70 - 130	30
Bromomethane	ND	1.0	100	99	1.0				70 - 130	30
Carbon Disulfide	ND	1.0	94	94	0.0				70 - 130	30
Carbon tetrachloride	ND	1.0	100	98	2.0				70 - 130	30
Chlorobenzene	ND	1.0	104	103	1.0				70 - 130	30
Chloroethane	ND	1.0	100	100	0.0				70 - 130	30
Chloroform	ND	1.0	96	96	0.0				70 - 130	30
Chloromethane	ND	1.0	103	102	1.0				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	104	102	1.9				70 - 130	30

QA/QC Data

SDG I.D.: GCN61348

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,3-Dichloropropene	ND	0.40	110	112	1.8				70 - 130	30
Dibromochloromethane	ND	0.50	106	107	0.9				70 - 130	30
Dibromomethane	ND	1.0	105	107	1.9				70 - 130	30
Dichlorodifluoromethane	ND	1.0	99	99	0.0				70 - 130	30
Ethylbenzene	ND	1.0	110	108	1.8				70 - 130	30
Hexachlorobutadiene	ND	0.40	103	104	1.0				70 - 130	30
Isopropylbenzene	ND	1.0	116	113	2.6				70 - 130	30
m&p-Xylene	ND	1.0	112	108	3.6				70 - 130	30
Methyl ethyl ketone	ND	5.0	95	103	8.1				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	102	106	3.8				70 - 130	30
Methylene chloride	ND	1.0	97	98	1.0				70 - 130	30
Naphthalene	ND	1.0	121	125	3.3				70 - 130	30
n-Butylbenzene	ND	1.0	114	113	0.9				70 - 130	30
n-Propylbenzene	ND	1.0	113	110	2.7				70 - 130	30
o-Xylene	ND	1.0	114	113	0.9				70 - 130	30
p-Isopropyltoluene	ND	1.0	117	114	2.6				70 - 130	30
sec-Butylbenzene	ND	1.0	112	111	0.9				70 - 130	30
Styrene	ND	1.0	114	115	0.9				70 - 130	30
tert-Butylbenzene	ND	1.0	116	113	2.6				70 - 130	30
Tetrachloroethene	ND	1.0	104	102	1.9				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	92	94	2.2				70 - 130	30
Toluene	ND	1.0	107	105	1.9				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	101	101	0.0				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	110	111	0.9				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	114	117	2.6				70 - 130	30
Trichloroethene	ND	1.0	106	103	2.9				70 - 130	30
Trichlorofluoromethane	ND	1.0	98	98	0.0				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	87	89	2.3				70 - 130	30
Vinyl chloride	ND	1.0	103	102	1.0				70 - 130	30
% 1,2-dichlorobenzene-d4	101	%	100	101	1.0				70 - 130	30
% Bromofluorobenzene	92	%	99	100	1.0				70 - 130	30
% Dibromofluoromethane	99	%	97	97	0.0				70 - 130	30
% Toluene-d8	101	%	100	101	1.0				70 - 130	30

Comment:

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

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

QA/QC Batch 668837 (ug/L), QC Sample No: CN61815 (CN61349 (10X) , CN61350 (10X))

Volatiles - Ground Water

n-Propylbenzene	ND	1.0	120	113	6.0				70 - 130	30
% 1,2-dichlorobenzene-d4	102	%	101	100	1.0				70 - 130	30
% Bromofluorobenzene	95	%	100	100	0.0				70 - 130	30
% Dibromofluoromethane	94	%	93	92	1.1				70 - 130	30
% Toluene-d8	100	%	100	100	0.0				70 - 130	30

Comment:

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

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

QA/QC Data

SDG I.D.: GCN61348

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

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

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
March 21, 2023

Tuesday, March 21, 2023

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCN61348 - AMC-ENG

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

*** No Data to Display ***

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

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

NY # 11301

Analysis Comments

March 21, 2023 SDG I.D.: GCN61348

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

VOA Narration

CHEM17 03/16/23-4: CN61348, CN61349, CN61350, CN61351, CN61352

Chem 17 is a 25ml purge instrument. The laboratory minimum response factor is set at 0.01 instead of 0.05 for the 25ml purge instruments. EPA method 8260D Table 4 supports this approach.

The following Initial Calibration compounds did not meet RSD% criteria: 2-Hexanone 21% (20%), Naphthalene 30% (20%), trans-1,4-dichloro-2-butene 25% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.036 (0.05), 2-Hexanone 0.042 (0.1), 4-Methyl-2-pentanone 0.061 (0.1), Acetone 0.030 (0.1), Acrylonitrile 0.041 (0.05), Bromoform 0.096 (0.1), Methyl ethyl ketone 0.050 (0.1), Tetrahydrofuran (THF) 0.031 (0.05)
The following Initial Calibration compounds did not meet minimum response factors: 1,2-Dibromo-3-chloropropane 0.036 (0.05), 2-Hexanone 0.042 (0.05), Acetone 0.030 (0.05), Acrylonitrile 0.041 (0.05), Tetrahydrofuran (THF) 0.031 (0.05)

The following Continuing Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.040 (0.05), 2-Hexanone 0.045 (0.05), Acetone 0.032 (0.05), Acrylonitrile 0.042 (0.05), Methyl ethyl ketone 0.047 (0.05), Tetrahydrofuran (THF) 0.030 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: 1,2-Dibromo-3-chloropropane 0.036 (0.05), 2-Hexanone 0.042 (0.05), Acetone 0.030 (0.05), Acrylonitrile 0.041 (0.05), Methyl ethyl ketone 0.050 (0.05), Tetrahydrofuran (THF) 0.031 (0.05)

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

March 21, 2023

SDG I.D.: GCN61348

The samples in this delivery group were received at 1.1°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

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

PHOENIX
Environmental Laboratories, Inc.

NY/NJ/PA CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: Makrina Nolan, makrina@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-1102

Temp 1.1 °C Pg of

Contact Options:
[ ] Phone: 718 545-0474
[ ] Fax: 516 706-3214
[■] Email: ARIEL@AMC-ENGINEERING.COM

Customer: AMC ENGINEERING PLLC
Address: 18-36 42nd Street
Astoria NY 11105

Project: 69-02 Queens Boulevard, Queens
Report to: ARIEL CZEMERINSKI
Invoice to: AMC ENGINEERING PLLC
QUOTE # : N/A

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 3/15/23

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

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	x VOCs (EPA Method 8260C))	GL Amber 8 oz. [ ] w/H_3PO_4 [ ] NAHSO$_4$	Soil VOA Vials [ ] methanol [ ] H_2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [x] HCl	GL Amber 1000ml [ ] As is [ ] H_2SO_4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H_2SO_4 [ ] 250ml [ ] 500ml	PL NAOH 250ml	PL HNO_3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
601348	19MW9	GW	3/15/2023	10:00 AM	x					3							
601349	Duplicate	GW	3/15/2023	11:00 AM	x					3							
601350	20MW10	GW	3/15/2023	12:00 PM	x					3							
601351	20MW11	GW	3/15/2023	1:00PM	x					3							
~~601352~~ 601352	Trip Blank	GW	N/A	N/A	x					2							

Relinquished by:	Accepted by:	Date:	Time:
[signature]	ZM	3/16/23	1205
ZM	[signature]	3/16/23	1522

Comments, Special Requirements or Regulations:
19MW9 pH: 8.86 Temp: 10.28°C
20MW10 pH: 12.93 Temp: 11.29°C
20MW11 pH: 9.94 Temp: 10.29°C

**MS/MSD are considered site samples and will be billed as such in accordance with the prices quoted.*

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

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[ ] 4 Days*
[ ] 5 Days*
[■] Standard
* SURCHARGE APPLIES

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

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

NY
[ ] TOGS GW
[ ] CP-51 SOIL
[ ] 375SCO Unrestricted Soil
[ ] 375SCO Residential Soil
[ ] 375SCO Residential Restricted Soil
[ ] 375SCO Commercial Soil
[ ] 375SCO Industrial Soil
[ ] Subpart 5 DW

PA
[ ] Clean Fill Limits
[ ] PA-GW
[ ] Reg Fill Limits
[ ] PA Soil Restricted
[ ] PA Soil non-restricted

State Samples Collected?
NY

APPENDIX C

Permits Issued

NYC™ Buildings

Work Permit Department Of Buildings

Permit Number: Q00694887-I1-MS

Permit Classification: SERVICE EQUIPMENT

Address: QUEENS 46-10 70 STREET

Work on Floor(s): FLOOR NUMBER(S) 1 THROUGH 1

Total number of dwelling units at location: 0

Number of dwelling units occupied during construction: 0

Issued: 11/07/2022

Expires: 10/20/2023

Issued To: PETER SERPICO

Business: OMNIBUILD CONSTRUCTION IN

License No: GC-608390

Description: INSTALLATION OF FUEL OIL GENERATOR LOCATED ON THE 1ST FILED IN CONJUNCTION WITH NEW BUILDING #420665952. FUEL STORAGE APPLICATION FOR GENERATOR FILED UNDER #Q00547930-I1. NO CHANGE TO USE, EGRESS OR OCCUPANCY.

For detailed information regarding this permit, please log on to DOB NOW at www.nyc.gov/buildings.
Call 311 with any questions or complaints.

Borough Commissioner:

Commissioner of Buildings:

Acting Commissioner of Buildings

Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.

NYC™ Buildings

Work Permit Department Of Buildings

Permit Number: Q00693379-I1-SF

Permit Classification: TEMPORARY CONSTRUCTION EQUIPMENT

Address: QUEENS 46-10 70 STREET

Work on Floor(s): GROUND FLOOR, OPEN SPACE

Total number of dwelling units at location: 0

Number of dwelling units occupied during construction:

Issued: 04/21/2022

Expires: 04/21/2023

Issued To: BOGDAN MALINOWSKI

Business: M & A PROJECTS INC

License No: GC-036222

Description: INSTALLATION OF TEMPORARY SUPPORTED SCAFFOLD PER PLAN SUBMITTED. WORK SHALL COMPLY WITH 2014 BUILDING CODES CHAPTER 33. NO CHANGE IN USE, EGRESS AND/OR OCCUPANCY WITH THIS APPLICATION.

For detailed information regarding this permit, please log on to DOB NOW at www.nyc.gov/buildings.
Call 311 with any questions or complaints.

Borough Commissioner:

Commissioner of Buildings:

Acting Commissioner of Buildings

Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.

NYC™ Buildings

Work Permit Department Of Buildings

Permit Number: Q00388277-I1-SH

Permit Classification: TEMPORARY CONSTRUCTION EQUIPMENT

Address: QUEENS 46-10 70 STREET

Work on Floor(s): OPEN SPACE

Total number of dwelling units at location: 183

Number of dwelling units occupied during construction: 0

Issued: 08/26/2022

Expires: 08/26/2023

Issued To: MENDIM DOBROVA

Business: CORE SCAFFOLD SYSTEMS INC

License No: GC-617232

Description: INSTALLATION OF TEMPORARY SIDEWALK SHED AS PER PLANS. NO CHANGE IN USE, EGRESS OR OCCUPANCY.

For detailed information regarding this permit, please log on to DOB NOW at www.nyc.gov/buildings.
Call 311 with any questions or complaints.

Borough Commissioner:

Commissioner of Buildings: Erin M. Ulrich

Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.

NYC™ Buildings

Work Permit Department Of Buildings

Permit Number: Q00586317-I1-VT

Issued: 09/08/2022

Expires: 09/08/2023

Address: QUEENS 46-10 70 STREET, 11377

Issued To: KUNAL BAKHTARWALA

Application Type: EA

Business: KN3 ENGINEERING LLC

Filing Include: NEW INSTALLATION

License No: PE - 101129

Device Number(s): 4C0994047, 4C0994048

Description: PROPOSED INSTALLATION OF SINGLE 7100 LBS. ALIMAK SCANDO HOIST AS PER PLANS IN CONJUNCTION WITH DOB JOB #420665952 WHICH IS FOR PROPOSING NEW BUILDING. INSTALLATION AND TESTS AS PER ANSI A10.4-1981, SAFETY REQUIREMENT FOR PERSONNEL MATERIAL HOIST AND EMPLOYEE ELEVATORS ON CONSTRUCTION SITES AND NYC BUILDING CODE 2014, CHAPTER 33, ALL INSPECTIONS TESTS TO BE PERFORMED IN THE PRESENCE OF NYC DOB ELEVATOR INSPECTOR. CORE SCAFFOLD IS THE HOIST INSTALLER.

For detailed information regarding this permit, please log on to DOB NOW at www.nyc.gov/buildings.
Call 311 with any questions or complaints.

Borough Commissioner:

Commissioner of Buildings:

Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.

NYC™ Buildings

Work Permit Department Of Buildings

Permit Number: **Q00586134-I1-EL**

Issued: **08/31/2021**

Expires: **07/20/2023**

Address: **46-10 70 STREET 11377**

Issued To: **VAN PAUL VASSELL**

Business: **V. VASS ELECTRIC CORP**

License No: **012021**

Description: **Elevators/Escalator/Material Lift**

PERMIT FOR POWER CONNECTION FROM SECONDARY SIDE OF TRANSFORMER TO TEMPORARY PERSONNEL AND MATERIAL HOIST

For detailed information regarding this permit, please log on to DOB NOW at www.nyc.gov/buildings.
Call 311 with any questions or complaints.

Borough Commissioner:

Commissioner of Buildings:

Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.

NYC™ Buildings

Work Permit Department Of Buildings

Permit Number: **Q00785502-I1-EL**

Issued: **08/02/2022**

Expires: **06/30/2023**

Address: **46-10 70 STREET 11377**

Issued To: **CONOR DOWNEY**

Business: **SOLAS ELECTRICAL CORP**

License No: **013292**

Description: **Elevators/Escalator/Material Lift**

PERMIT FROM SECONDARY SIDE OF TRANSFORMER TO DISCONNECT FOR TEMPORARY PERSONNEL & MATERIAL HOIST

For detailed information regarding this permit, please log on to DOB NOW at www.nyc.gov/buildings.
Call 311 with any questions or complaints.

Borough Commissioner:

Commissioner of Buildings: Erin A. Ulrich

Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.

NYC™ Buildings

Work Permit Department Of Buildings

Permit Number: **Q00785500-I1-EL**

Issued: **08/02/2022**

Expires: **06/30/2023**

Address: **46-10 70 STREET 11377**

Issued To: **CONOR DOWNEY**

Business: **SOLAS ELECTRICAL CORP**

License No: **013292**

Description: **Sidewalk Shed Wiring & Lighting**

WIRING FOR 303' OF SIDEWALK SHED LIGHTING FOR CORE ONLY

For detailed information regarding this permit, please log on to DOB NOW at www.nyc.gov/buildings.
Call 311 with any questions or complaints.

Borough Commissioner:

Commissioner of Buildings: Erin A. Ulrich

Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.

NYC™ Buildings

Work Permit Department Of Buildings

Permit Number: Q00579170-I1-PM

Permit Classification: TEMPORARY CONSTRUCTION EQUIPMENT

Address: QUEENS 46-10 70 STREET

Work on Floor(s): OPEN SPACE, ROOF

Total number of dwelling units at location: 183

Number of dwelling units occupied during construction:

Description: INSTALLATION OF TEMPORARY ROOF PROTECTION AS PER PLANS. NO CHANGE IN USE, EGRESS OR OCCUPANCY.

Issued: 08/17/2022

Expires: 08/17/2023

Issued To: ERIND GAZHELI

Business: CORE SCAFFOLD SYSTEMS INC

License No: GC-617232

For detailed information regarding this permit, please log on to DOB NOW at www.nyc.gov/buildings.
Call 311 with any questions or complaints.

Borough Commissioner:

Commissioner of Buildings:

Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.

NYC™ Buildings

Work Permit Department Of Buildings

Permit Number: Q00579137-I1-PM

Permit Classification: TEMPORARY CONSTRUCTION EQUIPMENT

Address: QUEENS 46-10 70 STREET

Work on Floor(s): OPEN SPACE

Total number of dwelling units at location: 183

Number of dwelling units occupied during construction:

Issued: 08/26/2022

Expires: 08/26/2023

Issued To: ERIND GAZHELI

Business: CORE SCAFFOLD SYSTEMS INC

License No: GC-617232

Description: INSTALLATION OF TEMPORARY PERSONNEL MATERIAL HOIST AS PER PLANS. NO CHANGE IN USE, EGRESS OR OCCUPANCY.

For detailed information regarding this permit, please log on to DOB NOW at www.nyc.gov/buildings.
Call 311 with any questions or complaints.

Borough Commissioner:

Commissioner of Buildings:

Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.

NYC™ Buildings

Work Permit Department Of Buildings

Permit Number: Q00562441-I1-SF

Permit Classification: TEMPORARY CONSTRUCTION EQUIPMENT

Address: QUEENS 46-10 70 STREET

Work on Floor(s): FLOOR NUMBER(S) 001 THROUGH 012, OPEN SPACE

Total number of dwelling units at location: 183

Number of dwelling units occupied during construction:

Issued: 07/28/2022

Expires: 07/28/2023

Issued To: ERIND GAZHELI

Business: CORE SCAFFOLD SYSTEMS INC

License No: GC-617232

Description: INSTALLATION OF TEMPORARY SYSTEM SCAFFOLD AS PER PLANS. NO CHANGE IN USE, EGRESS OR OCCUPANCY.

For detailed information regarding this permit, please log on to DOB NOW at www.nyc.gov/buildings.
Call 311 with any questions or complaints.

Borough Commissioner:

Commissioner of Buildings:

Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.

NYC™ Buildings

Work Permit Department Of Buildings

Permit Number: Q00755785-I1-PM

Permit Classification: TEMPORARY CONSTRUCTION EQUIPMENT

Address: QUEENS 46-10 70 STREET

Work on Floor(s): FLOOR NUMBER(S) 003 THROUGH 003, ROOF

Total number of dwelling units at location: 0

Number of dwelling units occupied during construction:

Issued: 10/18/2022

Expires: 01/07/2023

Issued To: JOHN SCALA

Business: BARONE STEEL INC

License No: GC-615161

Description: INSTALLATION AND USE OF MINI CRANE AS PER PLANS FILED HEREWITH. NO CHANGE IN USE, EGRESS OR OCCUPANCY.

For detailed information regarding this permit, please log on to DOB NOW at www.nyc.gov/buildings.
Call 311 with any questions or complaints.

Borough Commissioner:

Commissioner of Buildings:

Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.

NYC™ Buildings

Work Permit Department Of Buildings

Permit Number: Q00649280-I1-PM

Permit Classification: TEMPORARY CONSTRUCTION EQUIPMENT

Address: QUEENS 46-10 70 STREET

Work on Floor(s): FLOOR NUMBER(S) 002 THROUGH 012

Total number of dwelling units at location: 183

Number of dwelling units occupied during construction:

Issued: 05/12/2022

Expires: 05/12/2023

Issued To: ISRAEL STERN

Business: PRIME STRUCTURE INC

License No: GC-619998

Description: INSTALLATION AND USE OF TEMPORARY PRESTON PLATFORM AS PER PLANS FILED HEREWITH. THIS APPLICATION IS FILED IN CONJUNCTION WITH NB-420665952.

For detailed information regarding this permit, please log on to DOB NOW at www.nyc.gov/buildings.
Call 311 with any questions or complaints.

Borough Commissioner:

Commissioner of Buildings: Erin M. Ulrich

Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.

NYC™ Buildings

Work Permit Department Of Buildings

Permit Number: Q00547930-I1-BE

Permit Classification: SERVICE EQUIPMENT

Address: QUEENS 46-10 70 STREET

Work on Floor(s): FLOOR NUMBER(S) 1 THROUGH 1

Total number of dwelling units at location: 183

Number of dwelling units occupied during construction: 0

Issued: 05/31/2022

Expires: 05/31/2023

Issued To: TODD PALLADINO

Business: PALLADINO HEATING SVC INC

License No: O-005277

Description: INSTALLATION OF FUEL STORAGE FOR A DIESEL BASED EMERGENCY GENERATOR ON THE 1ST FLOOR. IN CONJUNCTION WITH NB APPLICATION 420665952. NO CHANGE IN USE, EGRESS, OR OCCUPANCY.

For detailed information regarding this permit, please log on to DOB NOW at www.nyc.gov/buildings.
Call 311 with any questions or complaints.

Borough Commissioner:

Commissioner of Buildings:

Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.

NYC™ Buildings

Work Permit Department Of Buildings

Permit Number: Q08025016-I1-GC

Permit Classification: ALTERATION

Address: QUEENS 46-10 70 STREET

Work on Floor(s): FLOOR NUMBER(S) 1 THROUGH 1, FLOOR NUMBER(S) 7 THROUGH 7

Total number of dwelling units at location: 183

Number of dwelling units occupied during construction: 0

Issued: 03/28/2023

Expires: 10/20/2023

Issued To: PETER SERPICO

Business: OMNIBUILD CONSTRUCTION IN

License No: GC-608390

Description: THIS APPLICATION IS FILED FOR A TEMPORARY USE PERMIT FOR A SALES OFFICE INCLUDING MODEL APARTMENTS PURSUANT TO SECTION AC 28-111 AND BUILDINGS BULLETIN 2010-002.

For detailed information regarding this permit, please log on to DOB NOW at www.nyc.gov/buildings.
Call 311 with any questions or complaints.

Borough Commissioner:

Commissioner of Buildings:

Acting Commissioner of Buildings

Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.

NYC™ Buildings

Work Permit Department Of Buildings

Permit Number: **Q00712336-I1-EL**

Issued: **04/04/2022**

Expires: **05/02/2023**

Address: **46-10 70 STREET 11377**

Issued To: **ANTHONY LUCIANO**

Business: **JAM ELECTRICAL CORP**

License No: **011986**

Description: **Elevators/Escalator/Material Lift**

installation of elevators by elevator company in conjunction with elevator application. Elevator control and load side wiring only by elevator employees conf orming to standards of the electrical code. (273018e). Power , 110v lighting, mr, pit gfci by others. ROT 336A This application replaces q00617506 filed at in correct address

For detailed information regarding this permit, please log on to DOB NOW at www.nyc.gov/buildings.
Call 311 with any questions or complaints.

Borough Commissioner:

Commissioner of Buildings:

Acting Commissioner of Buildings

Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.

NYC™ Buildings

Work Permit Department Of Buildings

Permit Number: Q00612335-I1-FN

Permit Classification: TEMPORARY CONSTRUCTION EQUIPMENT

Address: QUEENS 46-10 70 STREET

Work on Floor(s): SIDEWALK

Total number of dwelling units at location: 0

Number of dwelling units occupied during construction:

Issued: 10/11/2022

Expires: 10/11/2023

Issued To: ERIND GAZHELI

Business: CORE SCAFFOLD SYSTEMS INC

License No: GC-617232

Description: INSTALLATION OF CONSTRUCTION FENCE DURING NEW BUILDING CONSTRUCTION IN ACCORDANCE WITH NYCC 2014 CHAPTER 33 BUILDING CODE. NO CHANGE IN EGRESS, USE, OR OCCUPANCY.

For detailed information regarding this permit, please log on to DOB NOW at www.nyc.gov/buildings.
Call 311 with any questions or complaints.

Borough Commissioner:

Commissioner of Buildings:

Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.

NYC™ Buildings

Work Permit Department Of Buildings

Permit Number: Q00712222-I1-VT

Issued: 03/15/2023

Expires: 10/01/2023

Address: QUEENS 46-10 70 STREET, 11377

Issued To: FRANK TORTORELLA

Application Type: EA

Business: ROTAVELE ELEVATOR INC

Filing Include: NEW INSTALLATION

License No: L - 445001

Device Number(s): 4P0995363, 4P0995364, 4P0995365, 4P0995366, 4P0995367, 4P0995368

Description: FURNISH AND INSTALL 6 DEVICES.

For detailed information regarding this permit, please log on to DOB NOW at www.nyc.gov/buildings.
Call 311 with any questions or complaints.

Borough Commissioner:

Commissioner of Buildings:

Acting Commissioner of Buildings

Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.

NYC Buildings

Work Permit Department Of Buildings

Permit Number: **Q00807898-I1-EL**

Issued: **01/05/2023**

Expires: **12/14/2023**

Address: **4610 70 STREET 11377**

Issued To: **MOSHE GOLDSTEIN**

Business: **RIGHT AWAY ELECTRIC LLC**

License No: **013072**

Description: **Service Work / Notify Utility General Wiring**

Advisory Board Submission #QN01072, Job #210039, Complete service work & wiring of new project. Elevator work to be filed by others.

For detailed information regarding this permit, please log on to DOB NOW at www.nyc.gov/buildings.
Call 311 with any questions or complaints.

Borough Commissioner:

Commissioner of Buildings:

Acting Commissioner of Buildings

Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.