

# **Periodic Review Report**

**131-10 Avery Avenue Site**

**Block 5076, Lots 61 and 65**

**Site ID: C241228**

Submitted to:



**New York State Department of Environmental Conservation**

**Division of Environmental Remediation**

Remedial Bureau B, 12<sup>th</sup> Floor

625 Broadway

Albany, NY 12233-7016

Prepared for:

**Avery Group, LLC**

P.O. Box 815

Plandome, NY 11030

Prepared by:

**YU & Associates Engineers, P.C.**

200 Riverfront Boulevard

Elmwood Park, NJ 07407

July 18, 2022

## CERTIFICATIONS

I, Andrew Leung, am currently a registered professional engineer licensed by the State of New York. I certify that all of the following statements are true:

- The inspection of the Site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction.
- 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.
- Nothing has occurred that would impair the ability of such control to protect public health and the environment.
- Nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control.
- 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.
- Use of the Site is compliant with the environmental easement.
- The engineering control systems are performing as designed and are effective.
- 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, The information presented in this report is accurate and complete.



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Andrew Leung, P.E.

07/18/2022

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Date

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## **1. EXECUTIVE SUMMARY**

The site is located in the County of Queens, New York and is identified as Block 5076, Lot 61 and 65 on the New York City Tax Map. The site is situated on an approximately 0.298-acre area bounded by Avery Avenue and commercial properties to the north, manufacturing, commercial/residential properties and Fowler Avenue to the south, vacant and commercial properties to the east, and 131<sup>st</sup> Street and the Van Wyck Expressway to the west (see Figure 1 and 2).

The Site is currently under construction, but was most recently used as two separate 1-story commercial retail stores. The building at Lot 61 featured a basement. Past tenants included a lighting product retail store and a furniture store. The Site was undeveloped land before these commercial buildings were constructed.

The Site has been investigated and remediated under the New York State Department of Environmental Conservation's (NYSDEC) Brownfield Cleanup Program (BCP). Remediation was performed in accordance with the March 2019 Remedial Action Work Plan (RAWP). A conditional Track 1 cleanup was achieved and a Certificate of Completion (COC) was issued by the NYSDEC on December 23, 2020.

The remedial program implemented at the Site has been successful in meeting the Remedial Action Objectives set forth in the NYSDEC Decision Document. The Site-wide inspection confirmed the integrity of the site IC/ECs. No areas of non-compliance with the SMP were identified. Post-remediation groundwater sampling indicated that the concentration of CVOCs had shown a general downtrend and a bulk reduction of the CVOC groundwater contamination had been achieved for most area of the Site. However, relatively elevated CVOCs contamination still remained in the northeast portion of the Site. YU recommends no changes to the annual frequency of the site-wide inspection and the PRR submittals. YU recommends the two changes below in the following review period:

In order to achieve bulk reduction of the CVOCs contamination in the northeast portion and to have site-wide groundwater achieve the criteria, an in-situ chemical injection is proposed through on-site monitoring/injection wells.

Considering that the levels for the TCE and PCE compounds are generally stabilized, and PCBs are generally below the detectable limit in most wells, YU recommends that reduce the groundwater sampling frequency from quarterly to semiannually.

## **2. SITE OVERVIEW**

### **2.1 SITE DESCRIPTION**

The site is located in the County of Queens, New York and is identified as Block 5076, Lot 61 and 65 on the New York City Tax Map. The site is situated on an approximately 0.298-acre area bounded by Avery Avenue and commercial properties to the north, manufactural, commercial/residential properties and Fowler Avenue to the south, vacant and commercial properties to the east, and 131<sup>st</sup> Street and the Van Wyck Expressway to the west (see Figure 1 and 2).

The Site has been investigated and remediated under the New York State Department of Environmental Conservation's (NYSDEC) Brownfield Cleanup Program (BCP). Remedy was performed in accordance with the March 2019 Remedial Action Work Plan (RAWP). A conditional Track 1 cleanup was achieved and a Certificate of Completion (COC) was issued by the NYSDEC on December 23, 2020.

### **2.2 SUMMARY OF SITE CONTAMINATION**

The Site is currently under construction, but was most recently used as two separate 1-story commercial retail stores. The building at Lot 61 featured a basement. Past tenants included a lighting product retail store and a furniture store. The Site was undeveloped land before these commercial buildings were constructed.

The February 2015 Remedial Investigation Report (RIR) illustrate the nature and extent of contamination at the Site. The remedial investigation sample results revealed concentrations of chlorinated volatile organic compounds (VOCs), PCBs, pesticides, and metals exceeding Standards, Criteria, and Guidance values in soil, groundwater and/or soil vapor.

#### Soil

Site-wide surface and sub-surface soils sampling reported exceedances of PCBs (Aroclor-1254), pesticides (4,4'-DDT and 4,4'-DDE) and metals (copper, lead, barium, zinc, and selenium) compared with New York State Residential Use Soil Cleanup Objectives (RSCOs).

#### Groundwater

Groundwater sample results indicate CVOCs (Tetrachloroethene [PCE], Trichloroethene [TCE], Dichloroethene [DCE], and Freon 113), PCBs (Aroclor-1254), and metals (barium, beryllium, nickel, selenium, sodium, magnesium, manganese, chromium, and lead) contamination above Class GA groundwater criteria.

#### Soil Vapor

Soil vapor sample results indicate CVOCs (PCE and TCE) contamination above guidance values.

### **2.3 REMEDIAL ELEMENTS**

The remediation had been performed at the 131-10 Avery Avenue, Flushing, NY (the Site) from March 2019 to October 2020. On-site soil impacted by contaminants (to the depth of the water table, up to 20 ft bgs) above Unrestricted Use SCOs was excavated and transported for off-site disposal at an appropriately permitted facility. The on-site chlorinated VOCs groundwater

contamination was remediated through in-situ chemical treatment and follow-up groundwater monitoring through nine (9) on-site monitoring wells. Installing the vapor barrier, building capping, and the sub-grade parking ventilation system prevented soil vapor intrusion.

## **2.4 REMEDIAL ACTION OBJECTIVES**

The Remedial Action Objectives (RAOs) for the Site as listed in the Decision Document dated March 11, 2019, are as follows:

### **Groundwater**

#### **RAOs for Public Health Protection**

- Prevent ingestion of groundwater containing contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of, volatiles emanating from contaminated groundwater.

#### **RAOs for Environmental Protection**

- Restore ground water aquifer, to the extent practicable, to pre-disposal/pre-release conditions.
- Remove the source of ground or surface water contamination.

### **Soil**

#### **RAOs for Public Health Protection**

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of, or exposure to, contaminants volatilizing from contaminated soil.

#### **RAOs for Environmental Protection**

- Prevent migration of contaminants that would result in groundwater or surface water contamination.

### **Soil Vapor**

#### **RAOs for Public Health Protection**

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusions into buildings at the Site

### **3. REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS EVALUATION**

#### **3.1 PERFORMANCE**

The Remediation had been performed at the Site in accordance with the NYSDEC approved RAWP and a conditional Track 1 cleanup was achieved. End-point soil sample results indicated that soil had been remediated and meet Track 1 Unrestricted Use SCOs. The follow-up groundwater monitoring results indicate that the concentration of CVOCs had shown a general downtrend and a bulk reduction of the CVOC groundwater contamination had been achieved for most area of the Site. During the last three groundwater monitoring events, the PCE and TCE concentrations of groundwater samples collected from A-MW-1, A-MW-3, , A-MW-5, A-MW-6, A-MW-7, A-MW-8, and A-MW-9 were generally below the TOGS 1.1.1 AWQS of 5 ppb or were only marginally exceeded the TOGS 1.1.1 AWQS with a PCE concentration range of ND to 14 ppb and a TCE concentration range of ND to 3.8 ppb, respectively.

However, relatively elevated CVOCs contamination still remained in the northeast portion of the Site after 8 rounds of groundwater O&M events. Samples collected from monitoring/injection wells A-MW-2and A-MW-4 exhibited relatively higher levels of CVOC contamination, specifically with 23 ppb PCE concentration detected in A-MW-2and 20 ppb TCE concentration detected in A-MW-4.

#### **3.2 EFFECTIVENESS**

The remedy performed at the Site is an effective remedial measure both in short term and long-term achieving the Site RAOs. The remedy achieved short-term effectiveness through the removal of contaminated soil, in-situ chemical treatment, and building capping installation, which immediately eliminated the potential and pathway for human health exposure to contaminated materials on-site. The remedy also achieved long-term effectiveness by removing all contaminated soils above the Unrestricted Use SCOs from the Site. The post-remediation groundwater sampling is also effective in monitoring the long-term effectiveness of the remediation.

#### **3.3 PROTECTIVENESS**

Results of the quarterly groundwater monitoring indicated that the residual groundwater contamination remains at the northeast portion of the Site beneath the building capping system. The building capping system, vapor barrier and sub-grade parking ventilation system prevents the potential migration of and exposure to the localized groundwater contamination. Groundwater is prohibited for use without proper treatment. Offsite migration of the groundwater is not occurring, as documented by the down-gradient groundwater samples. Therefore, the implemented remedy protects the community and the environment from potential exposure to the residual contamination.

## **4. IC/EC PLAN COMPLIANCE REPORT**

### **4.1 INSTITUTIONAL CONTROLS**

The Institutional Control (IC) for the Site consists of an Environmental Easement (EE), which has been placed on the property to (1) implement, maintain and monitor the Engineering Controls; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the site to restricted-residential, commercial, and industrial uses only. The environmental easement was granted by NYSDEC on November 3, 2020 and was recorded with the Queens County Clerk on October 24, 2020.

### **4.2 ENGINEERING CONTROLS**

Exposure to the residual groundwater contamination is prevented by the engineering controls (ECs). Chlorinated VOCs (CVOCs) and PCBs levels in groundwater has been monitored quarterly after mixing the ZVI powder into the groundwater. A network of nine new groundwater monitoring wells are used to monitor up-gradient, on-site, side-gradient, and down-gradient groundwater conditions at the Site. The well locations are shown in Figure 3. A vapor mitigation consisting of a vapor barrier membrane and sub-grade ventilation system was incorporated into the building to prevent the vapor intrusion.

### **4.3 IC/EC COMPLIANCE AND CERTIFICATION**

An annual site-wide inspection was performed on May 9, 2022. ICs/ECs were inspected and conformed to be in compliance with the SMP/EE. The IC/EC certification form for the Site has been prepared and included as Appendix B.

## 5. MONITORING PLAN COMPLIANCE REPORT

### 5.1 COMPONENTS OF THE MONITORING PLAN

Components of the monitoring plan are summarized in the table below.

Monitoring Plan Components	
Inspections:	Frequency:
1. Site-wide Inspection	Annually
Monitoring:	
1. Groundwater Monitoring	Quarterly
Maintenance:	
1. Building Capping Maintenance	As Needed
2. Sub-grade Ventilation System Maintenance	As Needed
Reporting:	
1. Groundwater Monitoring Report	Quarterly
2. Periodic Review Report	Annually

#### 5.1.1 Site-Wide Inspection

An inspection of all remedial components installed at the site was conducted annually. The building capping system was visually inspected for cracks and breaches. Soil vapor intrusion was visually inspected for signs of PID readings above background levels. Sub-grade parking ventilation system was inspected to ensure the proper operation. Maintenance of the capping and ventilation system will be conducted by the property owner as needed based on inspection observations.

#### 5.1.2 Post-Remediation Groundwater Monitoring and Sampling

Groundwater samples were collected from the nine (9) monitoring wells as shown in the table below:

Monitoring Well Location	Sampling Parameters		Frequency
A-MW-1	CVOCs	PCBs	Quarterly
A-MW-2	CVOCs	PCBs	Quarterly
A-MW-3	CVOCs	PCBs	Quarterly
A-MW-4	CVOCs	PCBs	Quarterly
A-MW-5	CVOCs	PCBs	Quarterly
A-MW-6	CVOCs	PCBs	Quarterly
A-MW-7	CVOCs	PCBs	Quarterly
A-MW-8	CVOCs	PCBs	Quarterly
A-MW-9	CVOCs	PCBs	Quarterly

Biofouling or silt accumulation were inspected in the monitoring wells to see whether a physical surge and redevelop is necessary. Based on the assessments of structural integrity and overall performance, repairs and/or replacement of wells in the monitoring well network will be performed as needed.

## 5.2 SUMMARY OF COMPLETED MONITORING EVENTS

### 5.2.1 Results of Site-wide Inspection

A comprehensive Site-wide inspection was conducted on May 9, 2022 in accordance with the SMP. The Site Management Form and photographs are provided as Appendix A. The site-wide inspection confirmed that all ICs were in compliance and the building capping system was in good condition. No PID readings were detected above the background level during the inspection and the sub-grade ventilation system has been installed properly.

### 5.2.2 Results of Post-Remediation Media Monitoring and Sampling

A total of 8 groundwater O&M monitoring events had been conducted at the Site from January 2018 to March 2021. Based on the review of the 10 rounds of groundwater sample results, the concentration of CVOCs had shown a general downtrend and a bulk reduction of the CVOC contamination had been achieved for most area of the Site. The figures depicting the trend of CVOC concentrations of all O&M events are shown in Figure 4 and 5. During the last three sampling events, the PCE and TCE concentrations of groundwater samples collected from A-MW-1, A-MW-3, , A-MW-5, A-MW-6, A-MW-7, A-MW-8, and A-MW-9 were generally

below the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) of 5 ppb or were only marginally exceeded the TOGS 1.1.1 AWQS with and a PCE concentration range of ND to 14 ppb and a TCE concentration range of ND to 3.8 ppb, respectively. Tables and figures summarizing the results of all groundwater samples at the site after completion of the remediation are included in Appendix C.

However, relatively elevated CVOCs contamination still remained in the northeast portion of the Site after 8 rounds of groundwater O&M events. Samples collected from monitoring/injection wells A-MW- 2 and A-MW- 4 exhibited relatively high levels of CVOC contamination, specifically with 23 ppb PCE concentration detected in A-MW-2, and 20 ppb TCE concentration detected in A-MW-4. In order to achieve bulk reduction of the CVOCs contamination in the northeast portion and to have site-wide groundwater achieve the criteria, an in-situ chemical injection is proposed to be conducted through on-site monitoring/injection wells.

### **5.3 CONCLUSION AND RECOMMENDATION FOR CHANGES**

Based on the results of O&M monitoring events, the concentration of CVOCs had shown a general downtrend and a bulk reduction of the CVOC contamination had been achieved for most area of the Site. However, relatively elevated CVOCs contamination still remained in the northeast portion of the Site. In order to achieve bulk reduction of the CVOCs contamination in the northeast portion and to have site-wide groundwater achieve the criteria, an in-situ chemical injection is proposed through on-site monitoring/injection wells.

Considering that the levels for the TCE and PCE compounds are generally stabilized, and PCBs are generally below the detectable limit in most wells, YU recommends to reduce the groundwater sampling frequency from quarterly to semiannually



## **6. OVERALL PERIODIC REVIEW REPORT CONCLUSIONS AND RECOMMENDATIONS**

### **6.1 COMPLIANCE WITH SMP**

All requirements of the SMP (i.e., site inspection, monitoring, and IC/EC certification) have been complied with for the reporting period.

### **6.2 PERFORMANCE AND EFFECTIVENESS OF THE REMEDY**

The results of the site-wide inspection and post-remediation groundwater monitoring and sampling indicate that the remedy is effectively achieving the RAOs. However, relatively elevated CVOCs contamination still remained in the northeast portion of the Site. Accomplishing bulk reduction of the CVOCs contamination in the northeast portion is essential to having the site-wide groundwater achieve the criteria.

### **6.3 FUTURE PRR SUBMITTALS**

The submittal frequency of future PRRs will remain on an annual basis.

### **6.4 RECOMMENDATIONS**

YU recommends no changes to the annual frequency of the site-wide inspection and the PRR submittals. YU recommends the two changes below in the following review period:

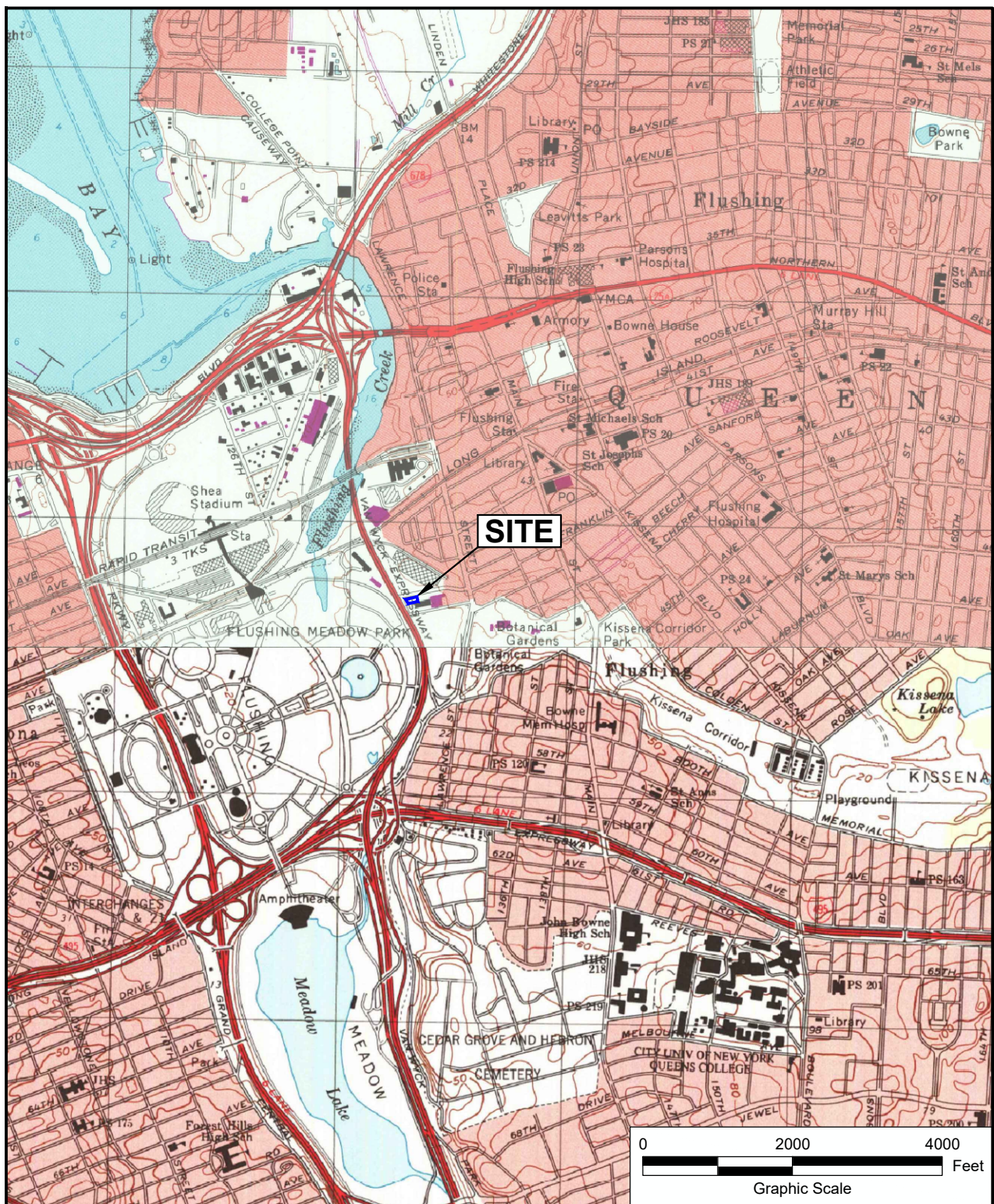
- In order to achieve bulk reduction of the CVOCs contamination in the northeast portion and to have site-wide groundwater achieve the criteria, an in-situ chemical injection is proposed through on-site monitoring/injection wells. A chemical injection work plan has been submitted to the Department for approval.
- Considering that the levels for the CVOCs compounds are generally stabilized, and PCBs are generally below the detectable limit in most wells, YU recommends to reduce the groundwater sampling frequency from quarterly to bi-annually. The SMP will be updated accordingly and submitted to DEC along with this PRR.

## **REFERENCE**

1. New York State Department of Environmental Conservation, (2010). DER-10 Technical Guidance for Site Investigation and Remediation. Division of Environmental Remediation, May 2010.
2. New York State Department of Environmental Conservation, (2006). 6 NYCRR Part 375 Environmental Remediation Programs. Division of Environmental Remediation, December, 2006.
3. New York State Department of Environmental Conservation, (as revised June 1998) Division of Water Technical and Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values and Effluent Limitations.
4. New York State Department of Environmental Conservation (October 1994).
5. Whitestone Associates, Inc., *Phase II Investigation Summary* 131-05 & 131-15 Fowler Ave – Queens, New York, October 30, 2013.
6. YU & Associates Engineers, P.C., Remedial Investigation Report 131-05 & 131-15 Fowler Ave Site – Queens, New York, March 12, 2015.
7. YU & Associates Engineers, P.C., Remedial Action Work Plan 131-05 & 131-15 Fowler Ave Site – Queens, New York, September 2015.
8. YU & Associates Engineers, P.C., Self-Implementing On-Site Cleanup and Disposal of PCB Remediation Waste 131-05 & 131-15 Fowler Ave – Queens, New York, November 24, 2015.
9. YU & Associates Engineers, P.C., Final Engineering Report 131-05 & 131-15 Fowler Ave Site – Queens, New York, December 2018.
10. YU & Associates Engineers, P.C., Site Management Plan 131-05 & 131-15 Fowler Ave Site – Queens, New York, December 2018.

## FIGURES





MAP REFERENCE: U.S. Geological Survey Topographic Map - Flushing Quadrangle 1995, Jamaica Quadrangle 1994.

**YU** & Associates Engineers, P.C.  
Geotechnical, Environmental and Civil Engineering

200 Riverfront Blvd  
Elmwood Park, NJ 07407

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**PROJECT SITE MAP**  
131-10 TO 131-18 AVERY AVENUE  
SITE ID: C241228

FLUSHING

QUEENS

NEW YORK

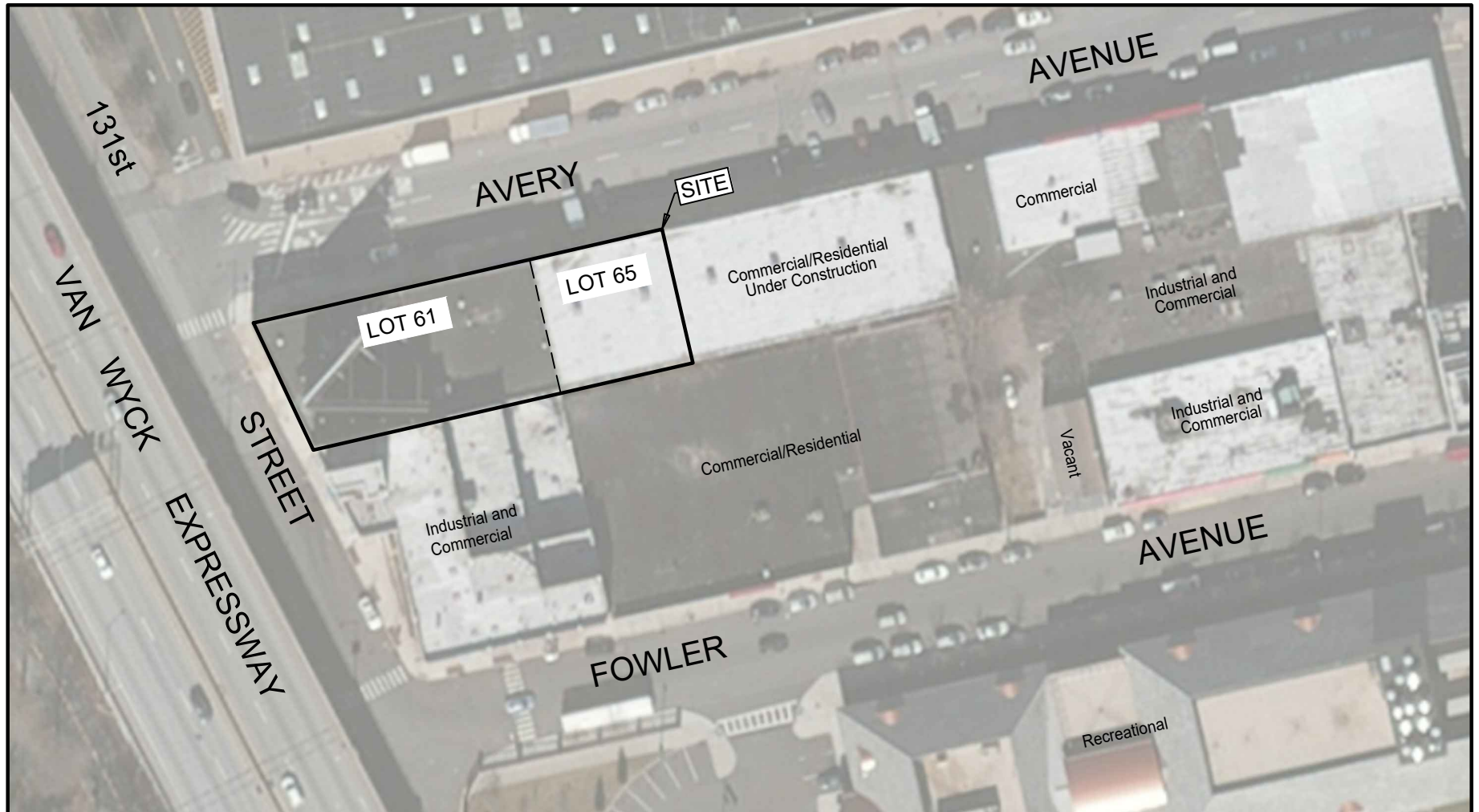
JOB NO.: 17116

SCALE: As Shown

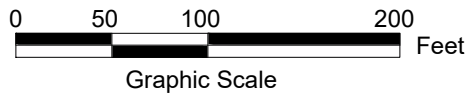
DATE: 09/22/20

FIG. 1





BASEMAP SOURCE: GOOGLE EARTH



**YU** & Associates Engineers, P.C.  
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200 Riverfront Blvd.  
Elmwood Park, NJ 07407

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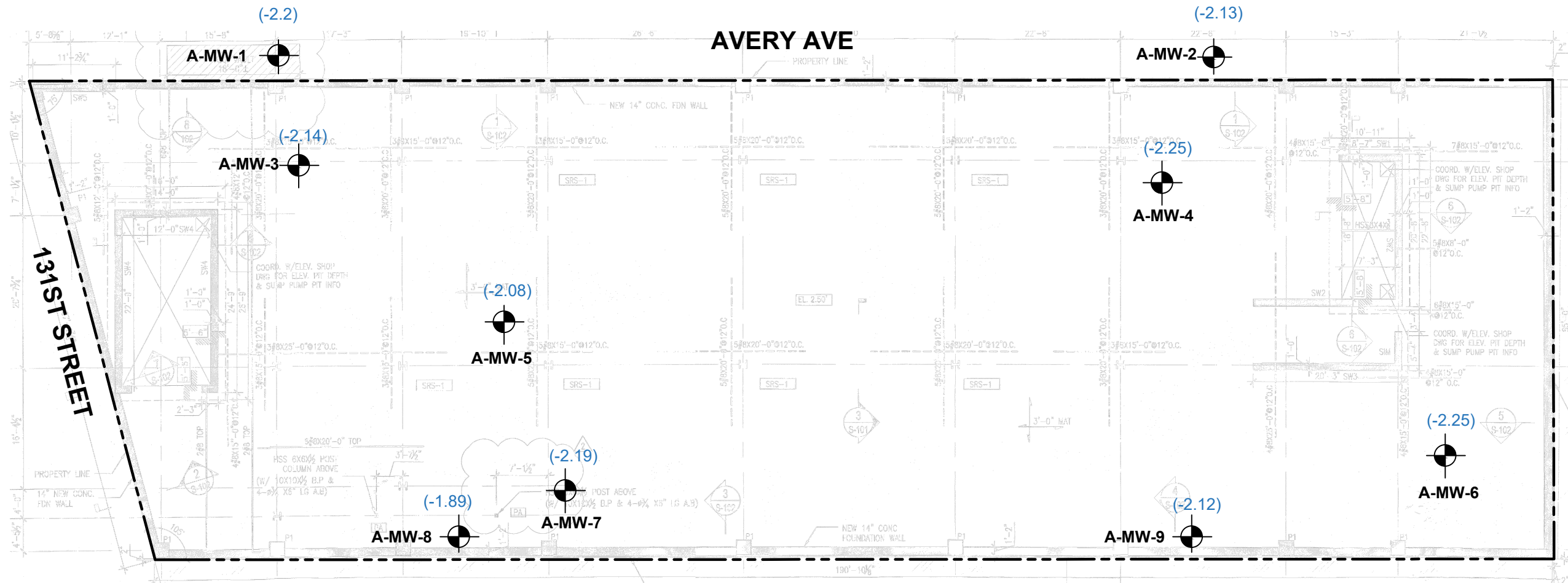
**FINER SCALE SITE PLAN**  
**131-10 TO 131-18 AVERY AVENUE**  
**SITE ID: C241228**

QUEENS




FLUSHING

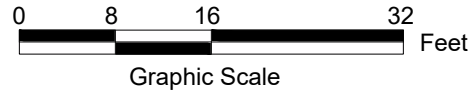
NEW YORK

JOB NO.: 17116	SCALE: As Shown	DATE: 09/22/20	FIG. 2
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**LEGEND:**

-  AS-BUILT MONITORING WELL  
A-MW-X LOCATIONS/GROUNDWATER INJECTION  
LOCATIONS AND DESIGNATION NUMBER
-  BUILDING BOUNDARY
-  GROUNDWATER ELEVATION (FEET)



**NOTE:**

1. THE BASE MAP IS EXTRACTED FROM THE FOUNDATION PLAN FOR 131-10 AVERY AVENUE PREPARED BY TIMES BUILDINGS PC ON AUGUST 2019.
2. GROUNDWATER ELEVATIONS ARE BASED ON THE GAUGING INFORMATION ON JUNE 23, 2020. THE GROUNDWATER FLOW DIRECTION IS INCONCLUSIVE.

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**GROUNDWATER CONTOUR MAP**

131-10 AVERY AVENUE  
SITE ID: C241228  
FLUSHING

QUEENS NEW YORK

JOB NO.: 171116 SCALE: AS SHOWN DATE: 7/7/2022 FIG. 3

**Figure 4**  
**PCE Concentration Trends 2020-2022**  
**131-10 Avery Avenue, Flushing, New York**  
**Project No. 17116**

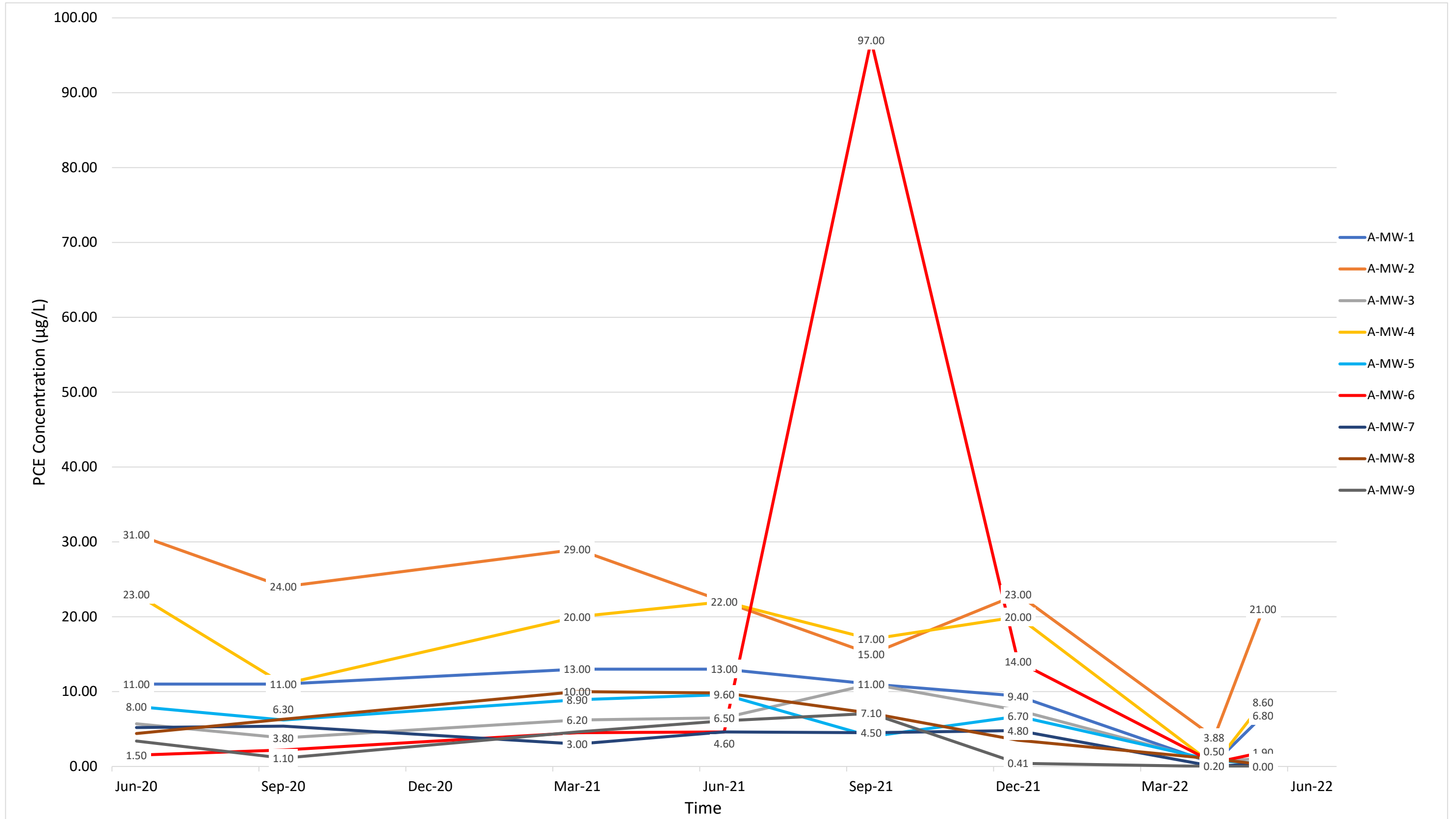
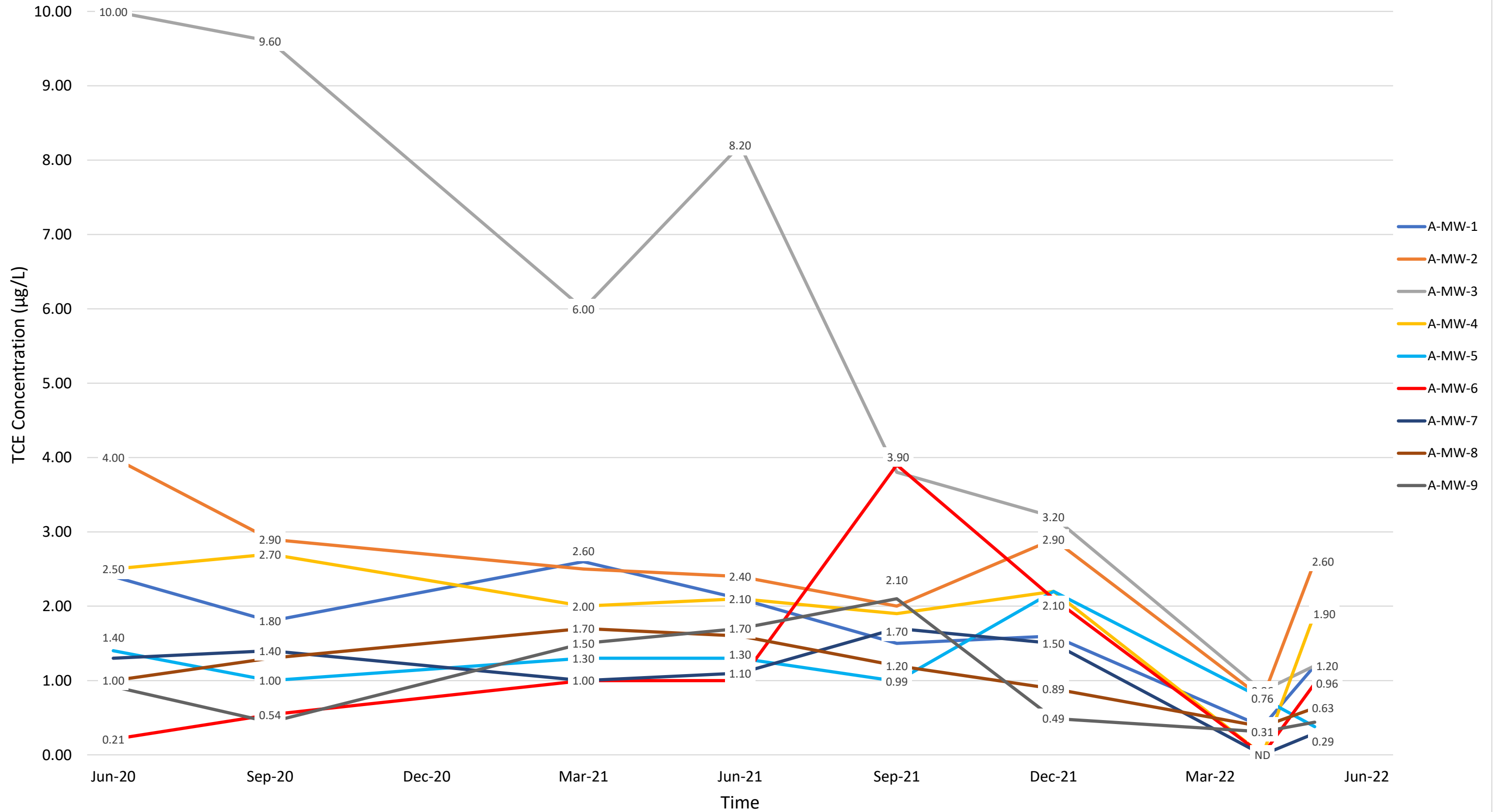


Figure 5  
TCE Concentration Trends 2020-2022  
131-10 Avery Avenue, Flushing, New York  
Project No. 17116





## **APPENDICES**

## **Appendix A - Site Management Form**

# SITE MANAGEMENT FORM

Pg. 1 of 7

Report No.: 17116

BCP #: C241228

Date: May 09, 2022

**Agency: NYSDEC**

**Division of Environmental Remediation**  
**NYSDEC BCP # C241228**

**Site: 131-10 Avery Avenue**

**Address: 131-10 Avery Avenue, Flushing,  
Queens, New York**

Temperature: (F) 61 (am) 64 (pm)

Wind Direction: NE (am) NE (pm)

Weather: Sunny (am)  
Cloudy (pm)

Arrive at site: 7:00 (am)

Leave site: 2:30 (pm)

## **HEALTH & SAFETY:**

Are there any changes to the Health & Safety Plan?  
(If yes, list the deviation under items for concern)

Yes ( )

No ( )

## **OTHER ITEMS:**

Site Sketch Attached:

Yes ( ) No ( )

Photos Taken:

Yes ( ) No ( )

## **SITE MAP:**

## **DESCRIPTION OF DAILY WORK PERFORMED:**

Inspect side-wide foundation slab integrity  
Inspect the installation of sub-grade parking ventilation system  
Perform volatile organic compounds vapor monitoring  
Inspect groundwater monitoring wells

# SITE MANAGEMENT FORM

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Report No.: 17116

BCP #: C241228

Date: May 09, 2022

## SITE-WIDE INSPECTION FORM

Site Inspection Item	Inspection Result	Comments
1. Compliance with SMP/Environmental Easement	Acceptable	
2. Building Capping System	Acceptable	The foundation slab remain intact
3. Sub-grade ventilation system	Acceptable	Installation completed, system not running due to the fact that the building is still under development
4. Monitoring Well	Acceptable	
5. General Site Condition	Acceptable	PID reading remained at the background level
6. Site Records Up-To-Date	Acceptable	

## EQUIPMENT ON SITE:

Equipment	Hrs	Equipment	Hrs	Equipment	Hrs	Equipment	Hrs
PID	8						

1 – Active Equipment 2 – Inactive Equipment

## VISITORS TO SITE:

None

# SITE MANAGEMENT FORM

Pg. 3 of 7

Report No.: 17116

BCP #: C241228

Date: May 09, 2022

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## PROJECT SCHEDULE ISSUES:

None

---

## PROJECT BUDGET ISSUES:

None

## OFF-SITE WASTE TRANSPORTATION/DISPOSAL PRODUCTION:

Waste Stream	Method of Transport	Estimated Volume

---

## ITEMS OF CONCERN:

None

---

## COMMENTS:

---

## ATTACHMENT(S) TO THIS REPORT: (field orders, proposed change orders, photo log, sketches)

Photo Log Below

---

## ON-SITE REPRESENTATIVE/GEOLOGIST:

Name: (signature)

Chengyu Hang

Date: 09/05/2022

xc: Javier Perez-Maldonado – NYSDEC

# SITE MANAGEMENT FORM

Pg. 4 of 7

Report No.: 17116

BCP #: C241228

Date: May 09, 2022

## DAILY PHOTOLOG

Date	Photo ID	Description
09/05/2022	1	View of the Site's building north facade
09/05/2022	2	View of the foundation slab in the basement level facing west
09/05/2022	3	View of the foundation slab in the basement level facing northwest
09/05/2022	4	View of the sub-grade ventilation system facing east
09/05/2022	5	View of the sub-grade ventilation system facing south
09/05/2022	6	View of the sub-grade ventilation system facing northwest
09/05/2022	7	View of the outer casing of the monitoring well in the basement



Photo 1

# SITE MANAGEMENT FORM

Pg. 5 of 7

Report No.: 17116

BCP #: C241228

Date: May 09, 2022



Photo 2



Photo 3



# SITE MANAGEMENT FORM

Pg. 6 of 7

Report No.: 17116

BCP #: C241228

Date: May 09, 2022



Photo 4



Photo 5



# SITE MANAGEMENT FORM

Pg. 7 of 7

Report No.: 17116

BCP #: C241228

Date: May 09, 2022



Photo 6



Photo 7

## **Appendix B - ICs/ECs Certification Form**



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



Site No.	C241228	Site Details	Box 1
<b>Site Name 131-10 Avery Avenue</b>			
Site Address: 131-10 Avery Avenue      Zip Code: 11355			
City/Town: Flushing			
County: Queens			
Site Acreage: 0.298			
Reporting Period: December 23, 2020 to April 23, 2022			
			YES    NO
1. Is the information above correct?			<input type="checkbox"/> <input type="checkbox"/>
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?			<input type="checkbox"/> <input type="checkbox"/>
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?			<input type="checkbox"/> <input type="checkbox"/>
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?			<input type="checkbox"/> <input type="checkbox"/>
<b>If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.</b>			
5. Is the site currently undergoing development?			<input type="checkbox"/> <input type="checkbox"/>

			Box 2
			YES    NO
6. Is the current site use consistent with the use(s) listed below? Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial			<input type="checkbox"/> <input type="checkbox"/>
7. Are all ICs in place and functioning as designed?			<input type="checkbox"/> <input type="checkbox"/>

**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.**



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**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**  
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Site No.	C241228	Site Details	Box 1
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City/Town: Flushing			
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Site Acreage: 0.298			
Reporting Period: December 23, 2020 to April 23, 2022			
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1. Is the information above correct?			<input type="checkbox"/> <input type="checkbox"/>
If NO, include handwritten above or on a separate sheet.			
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<b>If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.</b>			
5. Is the site currently undergoing development?			<input type="checkbox"/> <input type="checkbox"/>

			Box 2
			YES    NO
6. Is the current site use consistent with the use(s) listed below? Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial			<input type="checkbox"/> <input type="checkbox"/>
7. Are all ICs in place and functioning as designed?			<input type="checkbox"/> <input type="checkbox"/>

**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.**

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**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. C241228****Box 3****Description of Institutional Controls**ParcelOwnerInstitutional Control**5076-61**

Avery Group LLC

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

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

**Box 4****Description of Engineering Controls**ParcelEngineering Control**5076-61**

Monitoring Wells

- monitoring wells

**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 complete.

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.**

Christopher Tao

Signature of Owner, Remedial Party or Designated Representative

7/14/2022

Date

IC CERTIFICATIONS  
SITE NO. C241228

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 Christopher Tao at P.O. Box 527559, Flushing, NY 11352,  
print name print business address

am certifying as Avery Group LLC (Owner or Remedial Party)

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

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

7/14/2022  
Date

## EC CERTIFICATIONS

Box 7

### Qualified Environmental Professional 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 Andrew Leung at 611 River Drive, 3rd Fl, Elmwood Park NJ 07407  
print name print business address

am certifying as a Qualified Environmental Professional for the YU & Associates, Inc.  
(Owner or Remedial Party)



Signature of Qualified Environmental Professional for  
the Owner or Remedial Party, Rendering Certification (Stamp required for PE)

7/11/08  
Date



## **Appendix C - Quarterly O&M monitoring Results**

## **2<sup>nd</sup> Quarter Groundwater Sampling 2020**

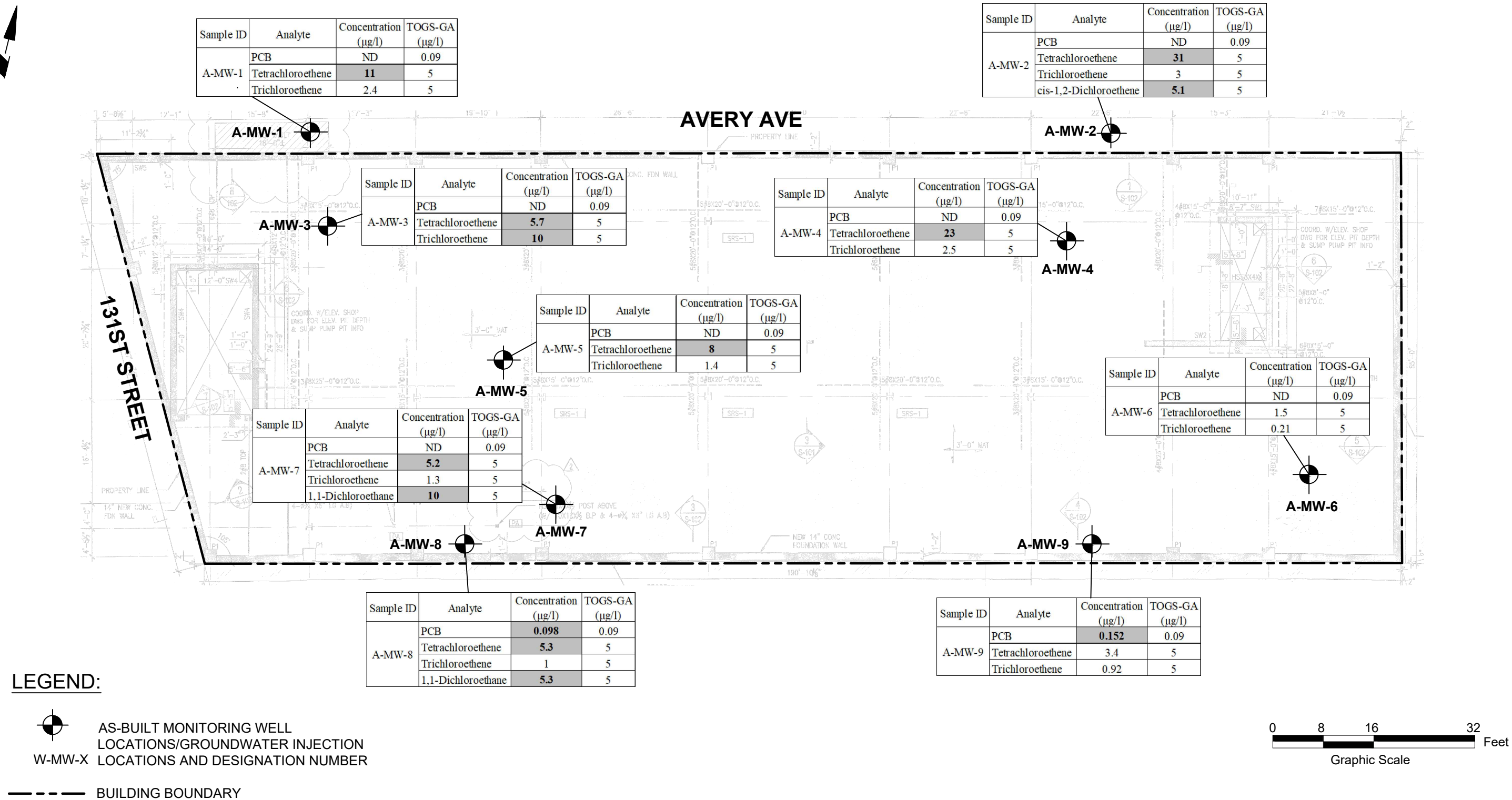
Table 1  
Post-remediation Groundwater Analytical Results Summary for 2nd Quarter of 2020  
131-10 Avery Avenue, Flushing, New York  
Project No. 17116

Sample ID: Sampling Date: Sample Matrix		Standards and Guidance Values - GA	A-MW-1 6/23/2020 WATER	A-MW-2 6/23/2020 WATER	A-MW-52 6/23/2020 WATER	A-MW-3 6/23/2020 WATER	A-MW-4 6/23/2020 WATER	A-MW-5 6/23/2020 WATER	A-MW-6 6/23/2020 WATER	A-MW-7 6/23/2020 WATER	A-MW-8 6/23/2020 WATER	A-MW-9 6/23/2020 WATER
Compound	CAS	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
VOLATILE ORGANICS												
Methylene chloride	75-09-2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	ND	ND	ND	ND	ND	2.7	ND	10	5.3	0.87 J
Chloroform	67-66-3	7	0.76 J	0.7 J	0.75 J	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	56-23-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	79-00-5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	11	31	31	5.7	23	8	1.5	5.2	4.4	3.4
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	75-69-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	107-06-2	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	71-55-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10061-02-6	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10061-01-5	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	563-58-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	79-34-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	74-87-3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75-00-3	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	75-35-4	5	ND	ND	ND	ND	ND	0.74	ND	2.2	1.3	ND
trans-1,2-Dichloroethene	156-60-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	79-01-6	5	2.4	3	3	10	2.5	1.4	0.21 J	1.3	1	0.92
1,2-Dichlorobenzene	95-50-1	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	3.4	5.1	4.9	2.4 J	3.4	3	0.73 J	2.6	2.4 J	1.7
1,2,3-Trichloropropane	96-18-4	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75-71-8	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	108-05-4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	74-97-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	594-20-7	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	142-28-9	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	630-20-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Chlorotoluene	95-49-8	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene	106-43-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	87-68-3	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon-113	76-13-1	5	ND	ND	ND	ND	ND	1.7 J	ND	3.1	1.1 J	ND
1,4 DIOXANE												
1,4-Dioxane	123-91-1		ND	0.147 J	0.119 J	ND	0.427	1.94	0.264	5.76	3.42	2.17
PERFLUORINATED ALKYL ACIDS												
Perfluorobutanoic Acid (PFBA)	375-22-4		0.00348	0.0058	0.00608	0.0026	0.0089	0.00438	0.00868	0.00506	0.00535	0.00781
Perfluoropentanoic Acid (PFPeA)	2706-90-3		0.00715	0.0114	0.0117	0.00452	0.0176	0.006	0.0137	0.00608	0.00686	0.0132

Table 1  
Post-remediation Groundwater Analytical Results Summary for 2nd Quarter of 2020  
131-10 Avery Avenue, Flushing, New York  
Project No. 17116

Sample ID: Sampling Date: Sample Matrix		Standards and Guidance Values - GA	A-MW-1 6/23/2020 WATER	A-MW-2 6/23/2020 WATER	A-MW-52 6/23/2020 WATER	A-MW-3 6/23/2020 WATER	A-MW-4 6/23/2020 WATER	A-MW-5 6/23/2020 WATER	A-MW-6 6/23/2020 WATER	A-MW-7 6/23/2020 WATER	A-MW-8 6/23/2020 WATER	A-MW-9 6/23/2020 WATER
Compound	CAS	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Perfluorobutanesulfonic Acid (PFBS)	375-73-5		0.00187 J	0.0055	0.00521	0.00117 J	0.00329	0.0017 J	0.0104	0.00176 J	0.00179 J	0.00358
Perfluorohexanoic Acid (PFHxA)	307-24-4		0.0064	0.0109	0.0112	0.00403	0.0164	0.00531	0.0133	0.00511	0.00628	0.0119
Perfluoroheptanoic Acid (PFHpA)	375-85-9		0.00396	0.00816	0.00825	0.00244	0.00918	0.00342	0.00888	0.0033	0.0042	0.00771
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4		0.00508	0.00691	0.00712	0.0034	0.00625	0.00368	0.00572	0.00312	0.00385	0.00505
Perfluorooctanoic Acid (PFOA)	335-67-1		0.0125	0.0259	0.0274	0.0088	0.0285	0.0162	0.0332	0.0191	0.0216	0.0306
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorononanoic Acid (PFNA)	375-95-1		ND	0.000772 J	0.000872 J	ND	0.00141 J	0.000652 J	0.0014 J	0.00162 J	0.00139 J	0.00206
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1		0.00426	0.00775	0.00881	0.00315	0.0137	0.00738	0.0132	0.00985	0.0144	0.0176
Perfluorodecanoic Acid (PFDA)	335-76-2		ND	ND	ND	ND	ND	ND	0.000428 J	ND	ND	0.000373 J
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2355-31-9		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perfluoroundecanoic Acid (PFUnA)	2058-94-8		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorodecanesulfonic Acid (PFDS)	335-77-3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanesulfonamide (FOSA)	754-91-6		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorododecanoic Acid (PFDoA)	307-55-1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorotetradecanoic Acid (PFTA)	376-06-7		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFOA/PFOS, Total			0.0168	0.0337	0.0362	0.012	0.0422	0.0236	0.0464	0.029	0.036	0.0482
POLYCHLORINATED BIPHENYLS												
Aroclor 1016	12674-11-2	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	53469-21-9	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	12672-29-6	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	0.09	ND	ND	ND	ND	ND	ND	ND	ND	0.098	0.152
Aroclor 1260	11096-82-5	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	37324-23-5	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	11100-14-4	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs, Total	1336-36-3		ND	ND	ND	ND	ND	ND	ND	ND	0.098	0.152

Key  
J: Estimated Values  
ND: Not Detected  
NA: Not Available  
    ading indicates NYSDEC TOGS Guidance Value exceedance



**3<sup>rd</sup> Quarter Groundwater Sampling 2020**

Table 1  
Post-remediation Groundwater Exceedance for 3rd Quarter of 2020  
131-10 Avery Avenue, Flushing, New York  
Project No. 17116

Sample ID: Sampling Date: Sample Matrix		Standards and Guidance Values - GA	A-MW-1 9/16/2020 WATER	A-MW-2 9/16/2020 WATER	A-MW-3 9/16/2020 WATER	A-MW-4 9/16/2020 WATER	A-MW-5 9/16/2020 WATER	A-MW-55 9/16/2020 WATER	A-MW-6 9/16/2020 WATER	A-MW-7 9/16/2020 WATER	A-MW-8 9/16/2020 WATER	A-MW-9 9/16/2020 WATER
Compound	CAS	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
VOLATILE ORGANICS												
Methylene chloride	75-09-2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	ND	ND	ND	ND	5.2	4.9	2.2	13	2	ND
Chloroform	67-66-3	7	ND	0.7	ND	ND	ND	ND	2.3	ND	ND	14
Carbon tetrachloride	56-23-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	79-00-5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	11	24	3.8	11	6.2	6.6	2.2	5.4	6.3	1.1
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	75-69-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	107-06-2	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	71-55-6	5	ND	ND	ND	ND	ND	ND	ND	0.79	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.57
trans-1,3-Dichloropropene	10061-02-6	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10061-01-5	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	563-58-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	79-34-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	74-87-3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75-00-3	5	ND	ND	ND	ND	ND	ND	ND	0.1	ND	ND
1,1-Dichloroethene	75-35-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	156-60-5	5	ND	ND	ND	ND	1.1	0.93	0.2	2.9	0.48	ND
Trichloroethene	79-01-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	95-50-1	3	1.8	2.9	9.6	2.7	1	1.1	0.54	1.4	1.3	0.44
1,3-Dichlorobenzene	541-73-1	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	96-18-4	0.04	3.1	3.9	2.1	2.2	1.4	1.6	0.89	1.7	2.8	ND
Dichlorodifluoromethane	75-71-8	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	108-05-4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	74-97-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	594-20-7	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	142-28-9	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	630-20-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Chlorotoluene	95-49-8	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene	106-43-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	87-68-3	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon-113	76-13-1	5	ND	ND	ND	ND	2.1	2.1	ND	2.4	1.4	ND
POLYCHLORINATED BIPHENYLS												
Aroclor 1016	12674-11-2	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	53469-21-9	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1  
Post-remediation Groundwater Exceedance for 3rd Quarter of 2020  
131-10 Avery Avenue, Flushing, New York  
Project No. 17116

Sample ID: Sampling Date: Sample Matrix		Standards and Guidance Values - GA	A-MW-1 9/16/2020 WATER	A-MW-2 9/16/2020 WATER	A-MW-3 9/16/2020 WATER	A-MW-4 9/16/2020 WATER	A-MW-5 9/16/2020 WATER	A-MW-55 9/16/2020 WATER	A-MW-6 9/16/2020 WATER	A-MW-7 9/16/2020 WATER	A-MW-8 9/16/2020 WATER	A-MW-9 9/16/2020 WATER
Compound	CAS	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Aroclor 1248	12672-29-6	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	0.09	ND	ND	ND	ND	ND	ND	ND	ND	0.167	0.182
Aroclor 1260	11096-82-5	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	37324-23-5	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	11100-14-4	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Key  
J: Estimated Values  
ND: Not Detected  
NA: Not Available  
ading indicates NYSDEC TOGS Guidance Value exceedance



## LEGEND:

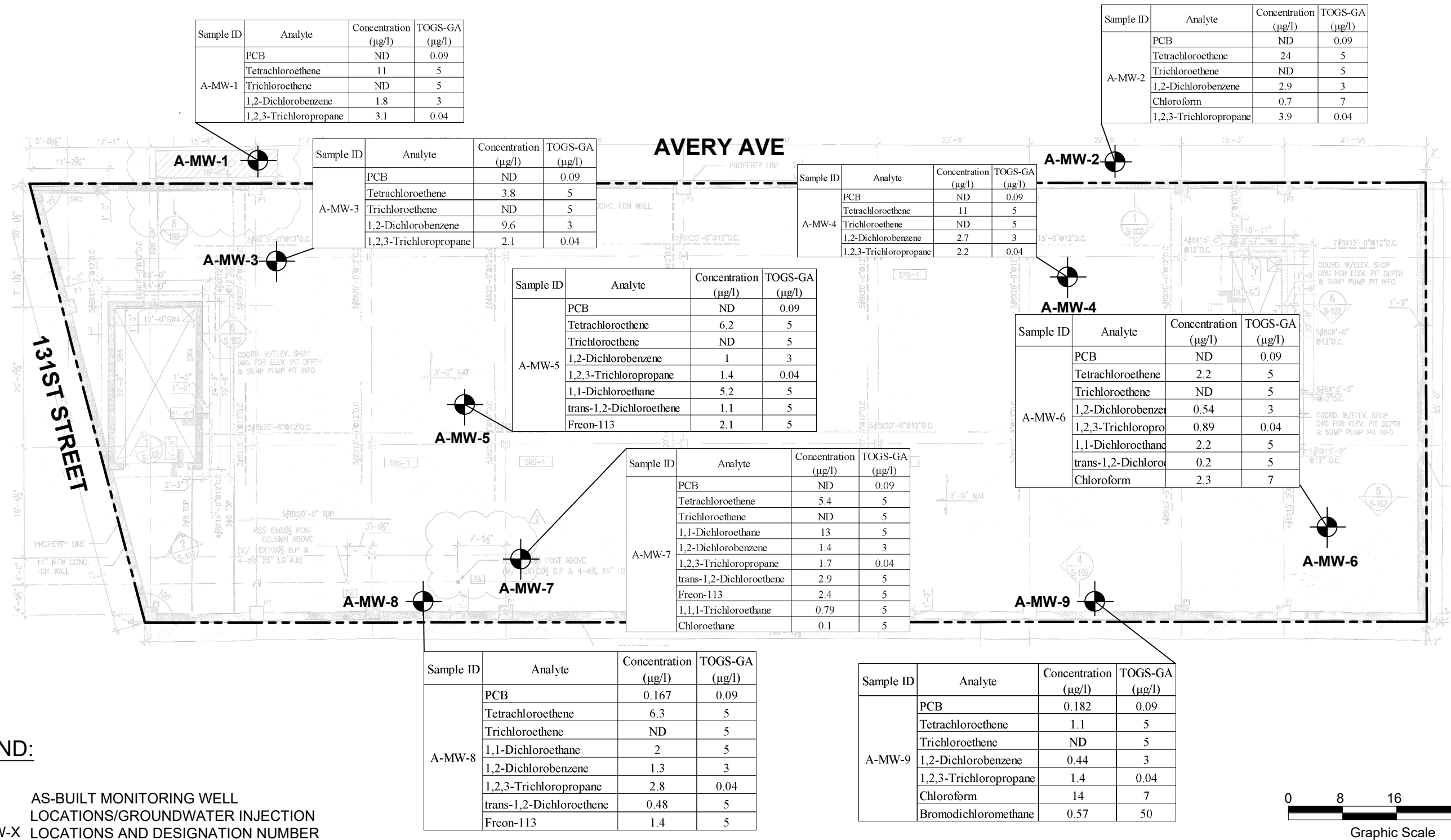


AS-BUILT MONITORING WELL  
LOCATIONS/GROUNDWATER INJECTION  
W-MW-X LOCATIONS AND DESIGNATION NUMBER

--- BUILDING BOUNDARY

## NOTE:

1. THE BASE MAP IS EXTRACTION FROM THE FROM THE FOUNDATION PLAN FOR 131-10 AVERY AVENUE PREPARED BY TIMES BUILDINGS PC ON AUGUST 2019.



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## GROUNDWATER SAMPLE EXCEEDENCE MAP

131-10 AVERY AVENUE

QUEENS

FLUSHING

NEW YORK

JOB NO.: 171116

SCALE: AS SHOWN

DATE: 7/7/2020

FIG. 1

## **1<sup>st</sup> Quarter Groundwater Sampling 2021**

Table 1  
Groundwater Analytical Results Summary for 1st Quarter of 2021  
131-10 Avery Avenue, Flushing, New York  
Project No. 17116

Sample ID		NYSDEC TOGS Standards and Guidance Values - GA (ug/L)	A10-MW-1	A10-MW-2	A10-MW-3	A10-MW-53	A10-MW-4	A10-MW-5	A10-MW-6	A10-MW-7	A10-MW-8	A10-MW-9
Sampling Date			4/1/2021	4/1/2021	3/31/2021	3/31/2021	3/31/2021	3/31/2021	3/31/2021	3/31/2021	3/31/2021	3/31/2021
Client Matrix			Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Compound	CAS Number		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Volatile Organics												
Methylene chloride	75-09-2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	ND	ND	ND	ND	ND	ND	1.6	5.3	ND	4.3
Chloroform	67-66-3	7	ND	0.82	ND	ND	ND	ND	ND	ND	ND	2.6
Carbon tetrachloride	56-23-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	79-00-5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	13	29	6.2	6.4	20	8.9	4.5	3	10	4.6
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	75-69-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	107-06-2	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	71-55-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10061-02-6	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10061-01-5	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	563-58-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	79-34-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	74-87-3	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	75-01-4	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75-00-3	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	75-35-4	5	ND	ND	ND	ND	ND	ND	ND	1.3	ND	0.85
trans-1,2-Dichloroethene	156-60-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	79-01-6	5	2.6	2.5	6	5.8	2	1.3	0.92	1	1.7	1.5
1,2-Dichlorobenzene	95-50-1	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	3.3	4	3.2	2.9	3.4	2.3	1.8	1.4	3.1	1.6
1,2,3-Trichloropropane	96-18-4	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75-71-8	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	74-97-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	594-20-7	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	142-28-9	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	630-20-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Chlorotoluene	95-49-8	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene	106-43-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1  
Groundwater Analytical Results Summary for 1st Quarter of 2021  
131-10 Avery Avenue, Flushing, New York  
Project No. 17116

1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	87-68-3	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon-113	76-13-1	5	ND	ND	ND	ND	ND	ND	ND	1.3	ND	0.78
Polychlorinated Biphenyls (PCB)												
Aroclor 1016	12674-11-2	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	53469-21-9	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	12672-29-6	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	0.09	ND	ND	ND	0.073	ND	ND	ND	ND	0.306	0.122
Aroclor 1260	11096-82-5	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	37324-23-5	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	11100-14-4	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES: ND=this indicates the analyte was detected for this sample  
~=this indicates that no regulatory limit has been established for this analyte  
=this indicates exceedance compared to the regulatory limit  
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

LEGEND:

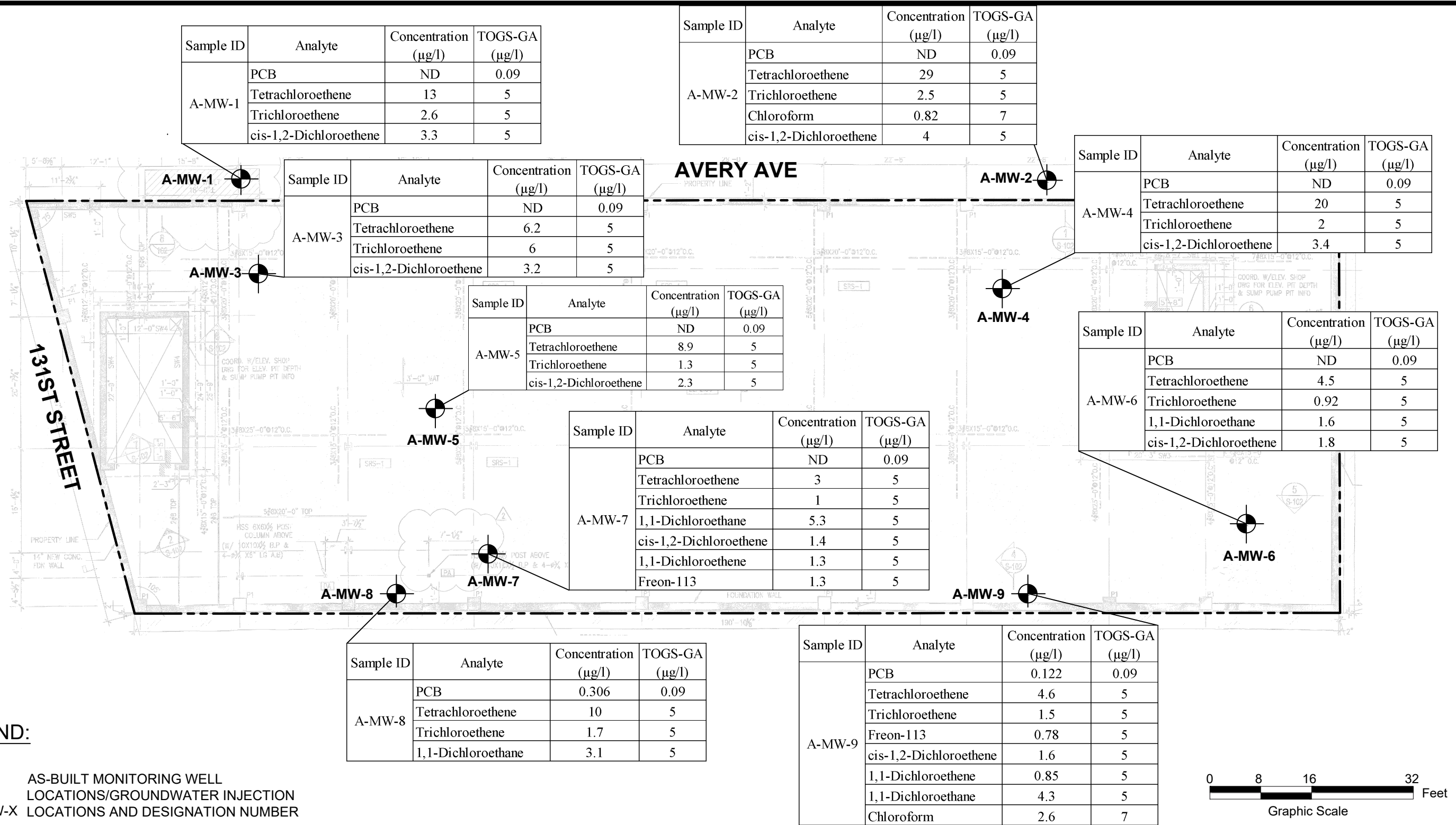


AS-BUILT MONITORING WELL  
LOCATIONS/GROUNDWATER INJECTION  
W-MW-X LOCATIONS AND DESIGNATION NUMBER

BUILDING BOUNDARY

NOTE:

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GROUNDWATER SAMPLE EXCEEDENCE MAP

131-10 AVERY AVENUE

QUEENS

FLUSHING

NEW YORK

JOB NO.: 17116

SCALE: AS SHOWN

DATE: 06/14/2022

FIG. 1

**2<sup>nd</sup> Quarter Groundwater sampling 2021**

Table 1  
Groundwater Analytical Results Summary for 2nd Quarter of 2021  
131-10 Avery Ave, Flushing, New York  
Project No. 17116

Sample ID Sampling Date Sample Matrix		NYSDEC TOGS Standards and Guidance Values - GA	A-MW-1 6/14/2021 WATER	A-MW-2 6/14/2021 WATER	A-MW-3 6/15/2021 WATER	A-MW-53 6/15/2021 WATER	A-MW-4 6/15/2021 WATER	A-MW-5 6/15/2021 WATER	A-MW-6 6/15/2021 WATER	A-MW-7 6/15/2021 WATER	A-MW-8 6/15/2021 WATER	A-MW-9 6/15/2021 WATER
Compound	CAS Number	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
<b>VOLATILE ORGANICS BY GC/MS</b>												
Methylene chloride	75-09-2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	ND	ND	ND	ND	ND	0.76 J	4.3	8.6	ND	11
Chloroform	67-66-3	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	56-23-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	79-00-5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	13	22	6.5	6.5	22	9.6	4.6	4.6	9.8	6.1
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	75-69-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	107-06-2	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	71-55-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10061-02-6	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10061-01-5	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	563-58-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	79-34-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	74-87-3	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	75-01-4	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75-00-3	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	75-35-4	5	ND	ND	ND	ND	ND	ND	0.31 J	2	ND	1.7
trans-1,2-Dichloroethene	156-60-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	79-01-6	5	2.1	2.4	8.2	7.9	2.1	1.3	1	1.1	1.6	1.7
1,2-Dichlorobenzene	95-50-1	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	3.6	3.4	3.1	3	3.4	1.8 J	1.7 J	0.88 J	3.2	2 J
1,2,3-Trichloropropane	96-18-4	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75-71-8	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	74-97-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	594-20-7	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	142-28-9	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	630-20-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Chlorotoluene	95-49-8	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene	106-43-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	87-68-3	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon-113	76-13-1	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>POLYCHLORINATED BIPHENYLS BY GC</b>												
Aroclor 1016	12674-11-2	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1  
Groundwater Analytical Results Summary for 2nd Quarter of 2021  
131-10 Avery Ave, Flushing, New York  
Project No. 17116

Sample ID Sampling Date Sample Matrix		NYSDEC TOGS Standards and Guidance Values - GA	A-MW-1 6/14/2021 WATER	A-MW-2 6/14/2021 WATER	A-MW-3 6/15/2021 WATER	A-MW-53 6/15/2021 WATER	A-MW-4 6/15/2021 WATER	A-MW-5 6/15/2021 WATER	A-MW-6 6/15/2021 WATER	A-MW-7 6/15/2021 WATER	A-MW-8 6/15/2021 WATER	A-MW-9 6/15/2021 WATER
Compound	CAS Number	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aroclor 1221	11104-28-2	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	53469-21-9	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	12672-29-6	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	0.09	ND	ND	ND	ND	0.071 J	ND	ND	ND	0.125	0.137
Aroclor 1260	11096-82-5	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	37324-23-5	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	11100-14-4	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs, Total	1336-36-3	0.09	ND	ND	ND	ND	0.071 J	ND	ND	ND	0.125	0.137

**Key**  
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated  
ND=this indicates the analyte was detected for this sample  
NA=this indicates the analyte was not a target for this sample  
~=this indicates that no regulatory limit has been established for this analyte  
=this indicates exceedance compared to the regulatory limit



P:\1717116 Avery Avenue Site\Environmental\O&M\131-10 Avery Ave\2021-6 Groundwater Sampling.dwg, 131-10 Avery Avenue Groundwater Sample Results Map.dwg, Jul 12, 2021 - 11:23pm .sli

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
A-MW-1	PCB	ND	0.09
	Tetrachloroethene	13	5
	Trichloroethene	2.1	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
A-MW-2	PCB	ND	0.09
	Tetrachloroethene	22	5
	Trichloroethene	2.4	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
A-MW-4	PCB	0.071 J	0.09
	Tetrachloroethene	22	5
	Trichloroethene	2.1	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
A-MW-3	PCB	ND	0.09
	Tetrachloroethene	6.5	5
	Trichloroethene	8.2	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
A-MW-5	PCB	ND	0.09
	Tetrachloroethene	9.6	5
	Trichloroethene	1.3	5
	1,1-Dichloroethane	0.76 J	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
A-MW-6	PCB	ND	0.09
	Tetrachloroethene	4.6	5
	Trichloroethene	1	5
	1,1-Dichloroethane	4.3	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
A-MW-8	PCB	0.125	0.09
	Tetrachloroethene	9.8	5
	Trichloroethene	1.6	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
A-MW-7	PCB	ND	0.09
	Tetrachloroethene	4.6	5
	Trichloroethene	1.1	5
	1,1-Dichloroethane	8.6	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
A-MW-9	PCB	0.137	0.09
	Tetrachloroethene	6.1	5
	Trichloroethene	1.7	5
	1,1-Dichloroethane	11	5

LEGEND:



AS-BUILT MONITORING WELL  
LOCATIONS/GROUNDWATER INJECTION  
W-MW-X LOCATIONS AND DESIGNATION NUMBER

----- BUILDING BOUNDARY

NOTE:

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**YU**

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GROUNDWATER SAMPLE RESULTS MAP

131-10 TO 131-18 AVERY AVENUE

QUEENS

FLUSHING

NEW YORK

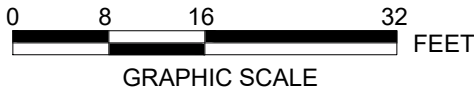
JOB NO.: 17116

SCALE: AS SHOWN

DATE: 7/13/2020

FIG.

1



**3<sup>rd</sup> Quarter Groundwater Sampling 2021**

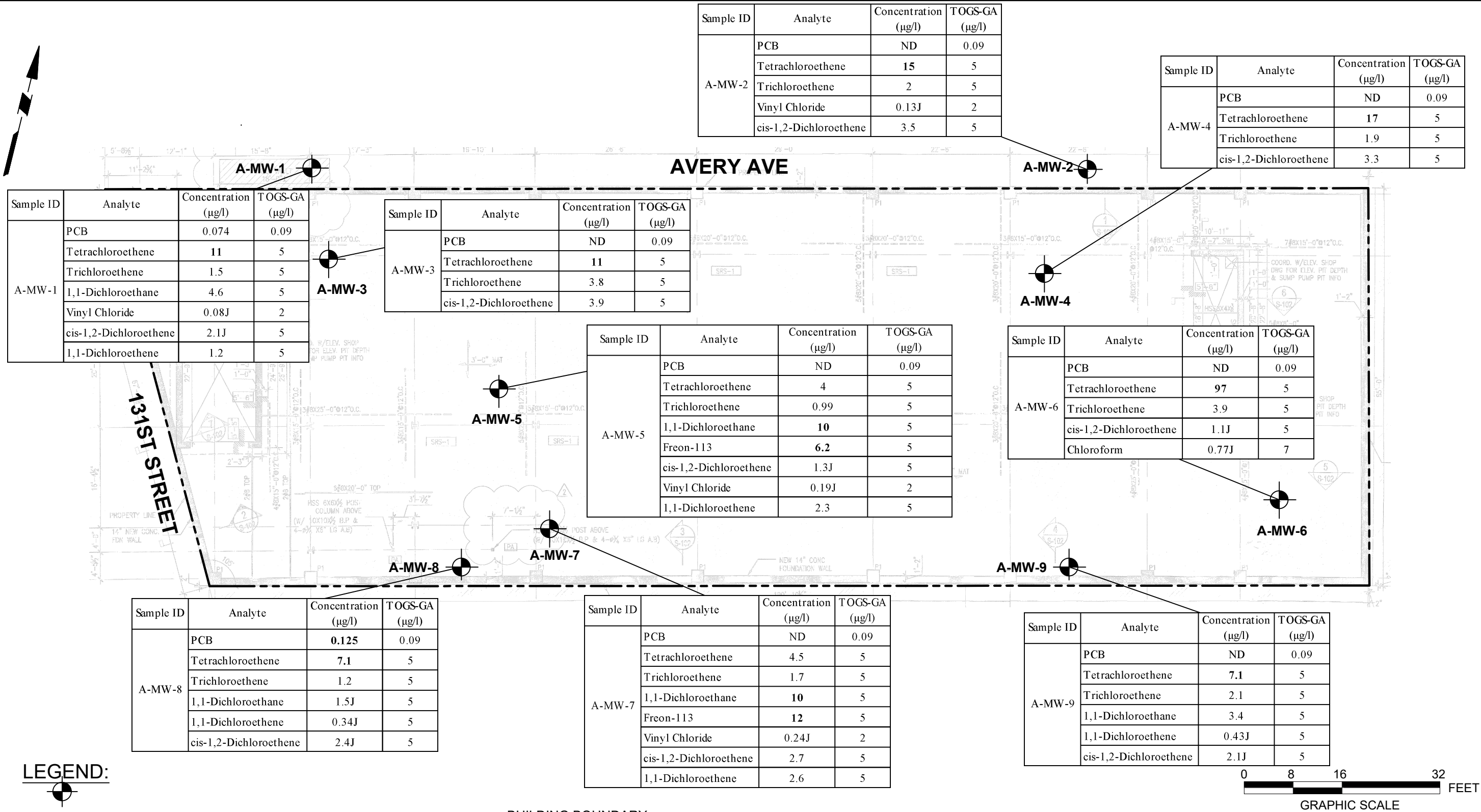
Table 1  
Groundwater Analytical Results Summary for 3rd Quarter of 2021  
131-10 Avery Ave, Flushing, New York  
Project No. 17116

Sample ID Sampling Date Sample Matrix		NYSDEC TOGS Standards and Guidance Values - GA	A-MW-1 9/30/2021 WATER	A-MW-2 9/30/2021 WATER	A-MW-3 9/30/2021 WATER	A-MW-53 9/30/2021 WATER	A-MW-4 9/30/2021 WATER	A-MW-5 9/30/2021 WATER	A-MW-6 9/30/2021 WATER	A-MW-7 9/30/2021 WATER	A-MW-8 9/30/2021 WATER	A-MW-9 9/30/2021 WATER
Compound	CAS #	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE ORGANICS BY GC/MS												
Methylene chloride	75-09-2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	4.6	ND	ND	ND	ND	10	ND	10	1.5J	3.4
Chloroform	67-66-3	7	ND	ND	ND	ND	ND	ND	0.77J	ND	ND	ND
Carbon tetrachloride	56-23-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	79-00-5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	11	15	11	10	17	4	97	4.5	7.1	7.1
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	75-69-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	107-06-2	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	71-55-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10061-02-6	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10061-01-5	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	563-58-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	79-34-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	74-87-3	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	75-01-4	2	0.08J	0.13J	ND	ND	ND	0.19J	ND	0.24J	ND	ND
Chloroethane	75-00-3	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	75-35-4	5	1.2	ND	ND	ND	ND	2.3	ND	2.6	0.34J	0.43J
trans-1,2-Dichloroethene	156-60-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	79-01-6	5	1.5	2	3.8	3.5	1.9	0.99	3.9	1.7	1.2	2.1
1,2-Dichlorobenzene	95-50-1	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	2.1J	3.5	3.9	3.8	3.3	1.3J	1.1J	2.7	2.4J	2.1J
1,2,3-Trichloropropane	96-18-4	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75-71-8	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	74-97-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	594-20-7	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	142-28-9	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	630-20-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1  
Groundwater Analytical Results Summary for 3rd Quarter of 2021  
131-10 Avery Ave, Flushing, New York  
Project No. 17116

o-Chlorotoluene	95-49-8	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene	106-43-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	87-68-3	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon-113	76-13-1	5	ND	ND	ND	ND	ND	6.2	ND	12	ND	ND
POLYCHLORINATED BIPHENYLS BY GC												
Aroclor 1016	12674-11-2	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	53469-21-9	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	12672-29-6	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	0.09	0.074	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	11096-82-5	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	37324-23-5	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	11100-14-4	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs, Total	1336-36-3	0.09	0.074	ND	ND	ND	ND	ND	ND	ND	ND	ND

**Key**  
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated  
ND=this indicates the analyte was detected for this sample  
NA=this indicates the analyte was not a target for this sample  
~=this indicates that no regulatory limit has been established for this analyte  
=this indicates exceedance compared to the regulatory limit



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**GROUNDWATER SAMPLE RESULTS MAP**  
131-10 TO 131-18 AVERY AVENUE  
QUEENS  
NEW YORK  
FLUSHING  
JOB NO.: 171116  
SCALE: AS SHOWN  
DATE: 9/30/2021  
FIG. 1

**4<sup>th</sup> Quarter Groundwater Sampling 2021**

Table 1  
Groundwater Analytical Results Summary for 4th Quarter of 2021  
131-10 Avery Ave, Flushing, New York  
Project No. 17116

Sample ID Sampling Date Sample Matrix		NYSDEC TOGS Standards and Guidance Values - GA	A-MW-1 12/30/2021 WATER	A-MW-2 12/30/2021 WATER	A-MW-3 12/30/2021 WATER	A-MW-53 12/30/2021 WATER	A-MW-4 12/30/2021 WATER	A-MW-5 12/30/2021 WATER	A-MW-6 12/30/2021 WATER	A-MW-7 12/30/2021 WATER	A-MW-8 12/30/2021 WATER	A-MW-9 12/30/2021 WATER
Compound	CAS #	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE ORGANICS BY GC/MS												
Methylene chloride	75-09-2	5	ND	ND	ND	ND	ND	ND	ND	0.72	1.4	ND
1,1-Dichloroethane	75-34-3	5	2.8	ND	ND	ND	ND	13	ND	9.6	3.8	ND
Chloroform	67-66-3	7	ND	ND	ND	ND	ND	ND	1.6	1.9	4.7	45
Carbon tetrachloride	56-23-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	79-00-5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	9.4	23	7.5	8.6	20	6.7	14	4.8	3.5	0.41
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	75-69-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	107-06-2	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	71-55-6	5	ND	ND	ND	ND	ND	0.82	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1
trans-1,3-Dichloropropene	10061-02-6	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10061-01-5	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	563-58-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	79-34-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	74-87-3	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	75-01-4	2	ND	ND	0.26	0.2	ND	0.16	ND	0.15	0.15	ND
Chloroethane	75-00-3	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	75-35-4	5	1	ND	0.24	ND	ND	3.9	ND	2.3	0.91	ND
trans-1,2-Dichloroethene	156-60-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	79-01-6	5	1.6	2.9	3.2	3.6	2.2	2.2	2.1	1.5	0.89	0.49
1,2-Dichlorobenzene	95-50-1	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	3.7	3.3	6.8	5.5	3.3	2.8	2	2.8	2.1	ND
1,2,3-Trichloropropane	96-18-4	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75-71-8	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	74-97-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	594-20-7	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	142-28-9	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	630-20-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



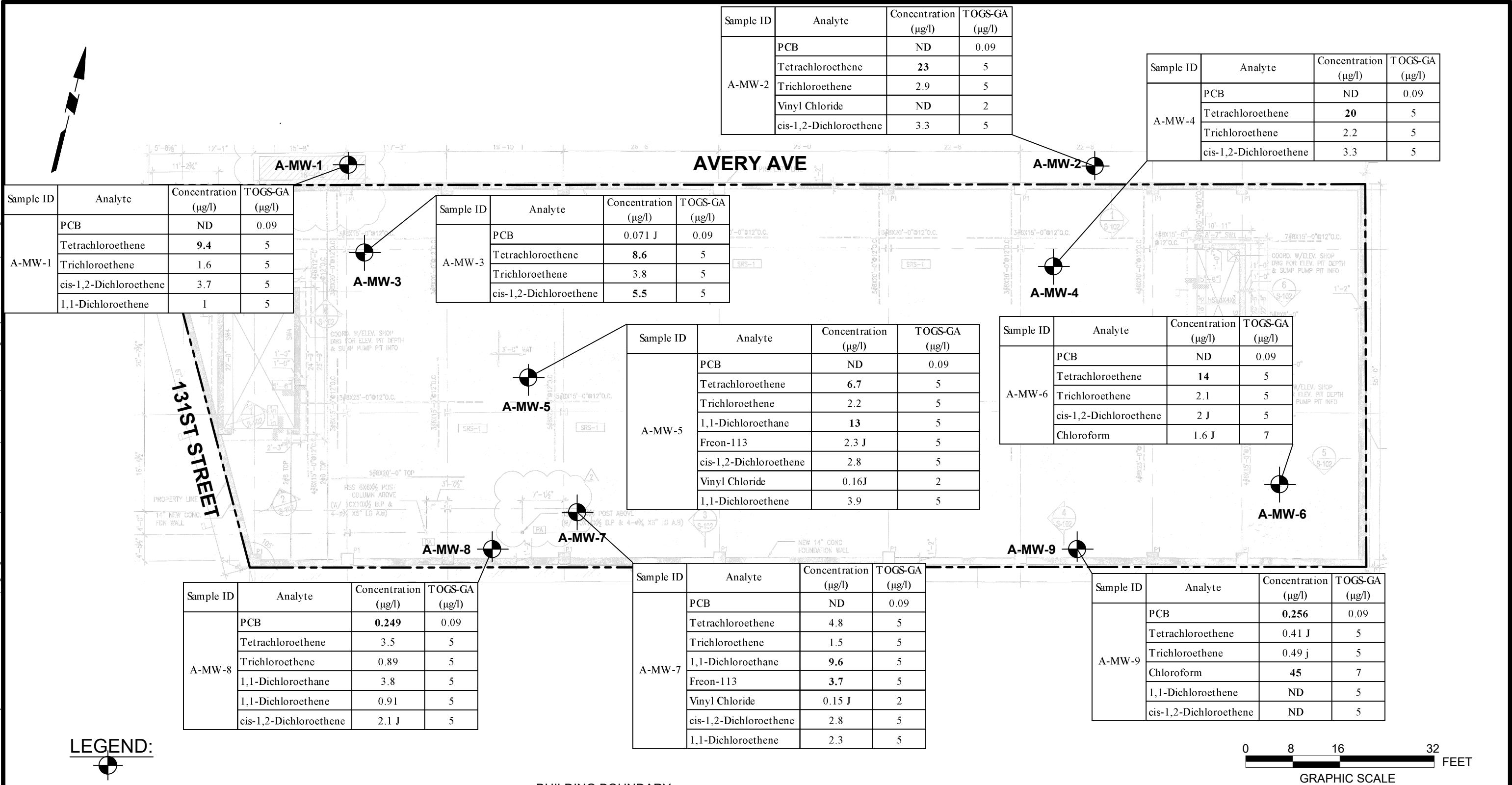
Table 1  
Groundwater Analytical Results Summary for 4th Quarter of 2021  
131-10 Avery Ave, Flushing, New York  
Project No. 17116

o-Chlorotoluene	95-49-8	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene	106-43-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	87-68-3	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon-113	76-13-1	5	1.8	ND	ND	ND	ND	2.3	ND	3.7	2.2	ND
POLYCHLORINATED BIPHENYLS BY GC												
Aroclor 1016	12674-11-2	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	53469-21-9	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	12672-29-6	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	0.09	ND	ND	ND	ND	ND	ND	ND	ND	0.249	0.256
Aroclor 1260	11096-82-5	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	37324-23-5	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	11100-14-4	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs, Total	1336-36-3	0.09	ND	ND	ND	ND	ND	ND	ND	ND	0.249	0.256

**Key**  
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated  
ND=this indicates the analyte was detected for this sample  
NA=this indicates the analyte was not a target for this sample  
~=this indicates that no regulatory limit has been established for this analyte  
=this indicates exceedance compared to the regulatory limit



P:\171116 Avery Avenue Site\Environmental\O&M\131-10 Avery Avenue Groundwater Sampling.dwg 131-10 Avery Avenue Groundwater Sample Results Map 9-30-21.dwg May 13, 2022 - 12:23pm chang



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GROUNDWATER SAMPLE RESULTS MAP

131-10 TO 131-18 AVERY AVENUE  
4TH QUARTER OF 2021  
QUEENS

FLUSHING NEW YORK

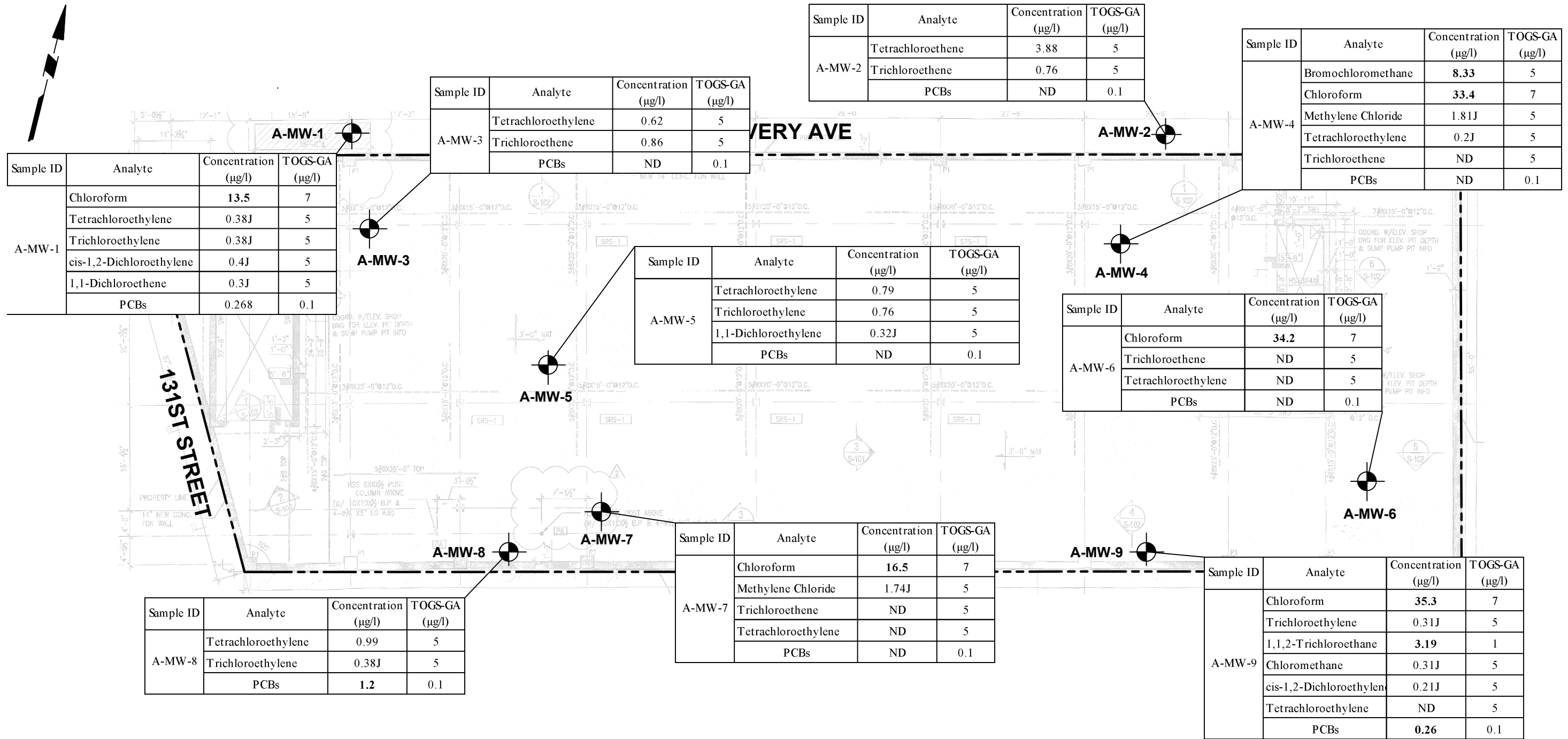
JOB NO.: 171116 SCALE: AS SHOWN DATE: 1/28/2022 FIG. 1

**1<sup>st</sup> Quarter Groundwater sampling 2022**

Table 1  
Groundwater Analytical Results Summary for 1st Quarter of 2022  
131-10 Avery Avenue, Flushing, New York  
Project No. 17116

Sample ID Sampling Date Sample Matrix		NYSDEC TOGS Standards and Guidance Values - GA	A-MW-1 4/1/2022 Water	A-MW-2 3/31/2022 Water	A-MW-3 3/31/2022 Water	A-MW-4 3/31/2022 Water	A-MW-5 3/31/2022 Water	A-MW-6 3/31/2022 Water	A-MW-7 3/31/2022 Water	A-MW-8 3/31/2022 Water	A-MW-9 3/31/2022 Water
Compound	CAS	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
VOA, 8260 LOW MASTER											
1,1,1,2-Tetrachloroethane	630-20-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	71-55-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	79-34-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	5	ND	ND	ND	ND	0.77	ND	ND	ND	ND
1,1,2-Trichloroethane	79-00-5	1	ND	ND	ND	ND	ND	ND	ND	ND	3.19
1,1-Dichloroethane	75-34-3	5	0.3J	ND	ND	ND	1.23	ND	ND	0.72	ND
1,1-Dichloroethylene	75-35-4	5	ND	ND	ND	ND	0.32J	ND	ND	ND	ND
1,1-Dichloropropylene	563-58-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	96-18-4	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	95-50-1	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	107-06-2	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	142-28-9	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	594-20-7	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	95-49-8	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	106-43-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	74-97-5	5	ND	ND	ND	8.33	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	1.13	ND	ND	0.66	ND	0.69	ND	ND	2.07
Carbon tetrachloride	56-23-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75-00-3	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	13.5	2.20	0.75	33.4	1.50	34.2	16.5	1.22	35.3
Chloromethane	74-87-3	5	ND	ND	ND	ND	ND	ND	ND	ND	0.31J
cis-1,2-Dichloroethylene	156-59-2	5	0.4J	0.97	0.68	ND	1.58	ND	ND	0.61	0.21J
cis-1,3-Dichloropropylene	10061-01-5	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75-71-8	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	87-68-3	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	75-09-2	5	ND	ND	ND	1.81J	ND	2.70	1.74J	ND	ND
Tetrachloroethylene	127-18-4	5	0.38J	3.88	0.62	0.2J	0.79	0.50	ND	0.99	ND
trans-1,2-Dichloroethylene	156-60-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropylene	10061-02-6	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	79-01-6	5	0.38J	0.76	0.86	ND	0.76	ND	ND	0.38J	0.31J
Trichlorofluoromethane	75-69-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	75-01-4	2	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:  
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated  
ND=this indicates the analyte was detected for this sample  
NA=this indicates the analyte was not a target for this sample  
~this indicates that no regulatory limit has been established for this analyte  
=this indicates exceedance compared to the regulatory limit



**LEGEND:**

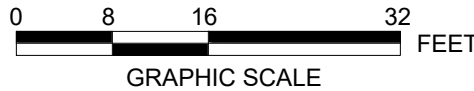


AS-BUILT MONITORING WELL  
LOCATIONS/GROUNDWATER INJECTION  
LOCATIONS AND DESIGNATION NUMBER

----- BUILDING BOUNDARY

**NOTE:**

1. THE BASE MAP IS EXTRACTION FROM THE FROM THE FOUNDATION PLAN FOR 131-10 AVERY AVENUE PREPARED BY TIMES BUILDINGS PC ON AUGUST 2019.



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**GROUNDWATER SAMPLE RESULTS MAP**

131-10 TO 131-18 AVERY AVENUE  
1ST QUARTER OF 2022  
QUEENS

FLUSHING NEW YORK

JOB NO.: 171116 SCALE: AS SHOWN DATE: 04/15/2022 FIG. 1

**2<sup>nd</sup> Quarter Groundwater sampling 2022**

Table 1  
Groundwater Analytical Results Summary for 2nd Quarter of 2022 - Alpha Analytical  
131-10 Avery Avenue, Flushing, New York  
Project No. 17116

Sample ID		NYSDEC TOGS Standards and Guidance Values - GA	A-MW-1	A-MW-2	A-MW-52	A-MW-3	A-MW-4	A-MW-5	A-MW-6	A-MW-7	A-MW-8	A-MW-9
Sampling Date			5/23/2022	5/23/2022	5/23/2022	5/24/2022	5/24/2022	5/24/2022	5/24/2022	5/24/2022	5/24/2022	5/24/2022
Client Matrix			Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Compound		CAS Number	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE ORGANICS BY GC/MS												
1,1,1,2-Tetrachloroethane	630-20-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	71-55-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	79-34-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon-113	76-13-1	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	79-00-5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	75-35-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	563-58-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	96-18-4	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	95-50-1	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	107-06-2	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	142-28-9	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	594-20-7	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Chlorotoluene	95-49-8	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene	106-43-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	74-97-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	ND	ND	ND	0.4J	ND	ND	ND	2
Carbon tetrachloride	56-23-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75-00-3	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	ND	ND	ND	ND	2.3J	9.9	8.4	0.92J	0.86J	30
Chloromethane	74-87-3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	3	2J	1.9J	0.95J	1.8J	ND	0.83J	ND	1.4J	ND
cis-1,3-Dichloropropene	10061-01-5	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75-71-8	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	87-68-3	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	75-09-2	5	ND	ND	ND	ND	1.1J	ND	2J	ND	ND	ND
Tetrachloroethene	127-18-4	5	8	24	23	0.97	10	0.54	1.8	0.45J	0.32J	0.3J
trans-1,2-Dichloroethene	156-60-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10061-02-6	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	79-01-6	5	1.1	2.3	2.3	0.9	1.6	0.46J	0.63	0.26J	0.5	0.4J
Trichlorofluoromethane	75-69-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	75-01-4	2	ND	ND	ND	ND	ND	ND	ND	ND	0.23J	ND
1,4-Dichlorobenzene	106-46-7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1  
Groundwater Analytical Results Summary for 2nd Quarter of 2022 - Alpha Analytical  
131-10 Avery Avenue, Flushing, New York  
Project No. 17116

POLYCHLORINATED BIPHENYLS BY GC												
Aroclor 1016	12674-11-2	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	53469-21-9	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	12672-29-6	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	0.09	0.079	ND	ND	ND	ND	ND	ND	ND	0.291	0.181
Aroclor 1260	11096-82-5	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	37324-23-5	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	11100-14-4	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**Key**  
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated  
ND=this indicates the analyte was detected for this sample  
NA=this indicates the analyte was not a target for this sample  
~=this indicates that no regulatory limit has been established for this analyte  
=this indicates exceedance compared to the regulatory limit



Table 1  
Groundwater Analytical Results Summary for 2nd Quarter of 2022 - York Analytical  
131-10 Avery Avenue, Flushing, New York  
Project No: 17116

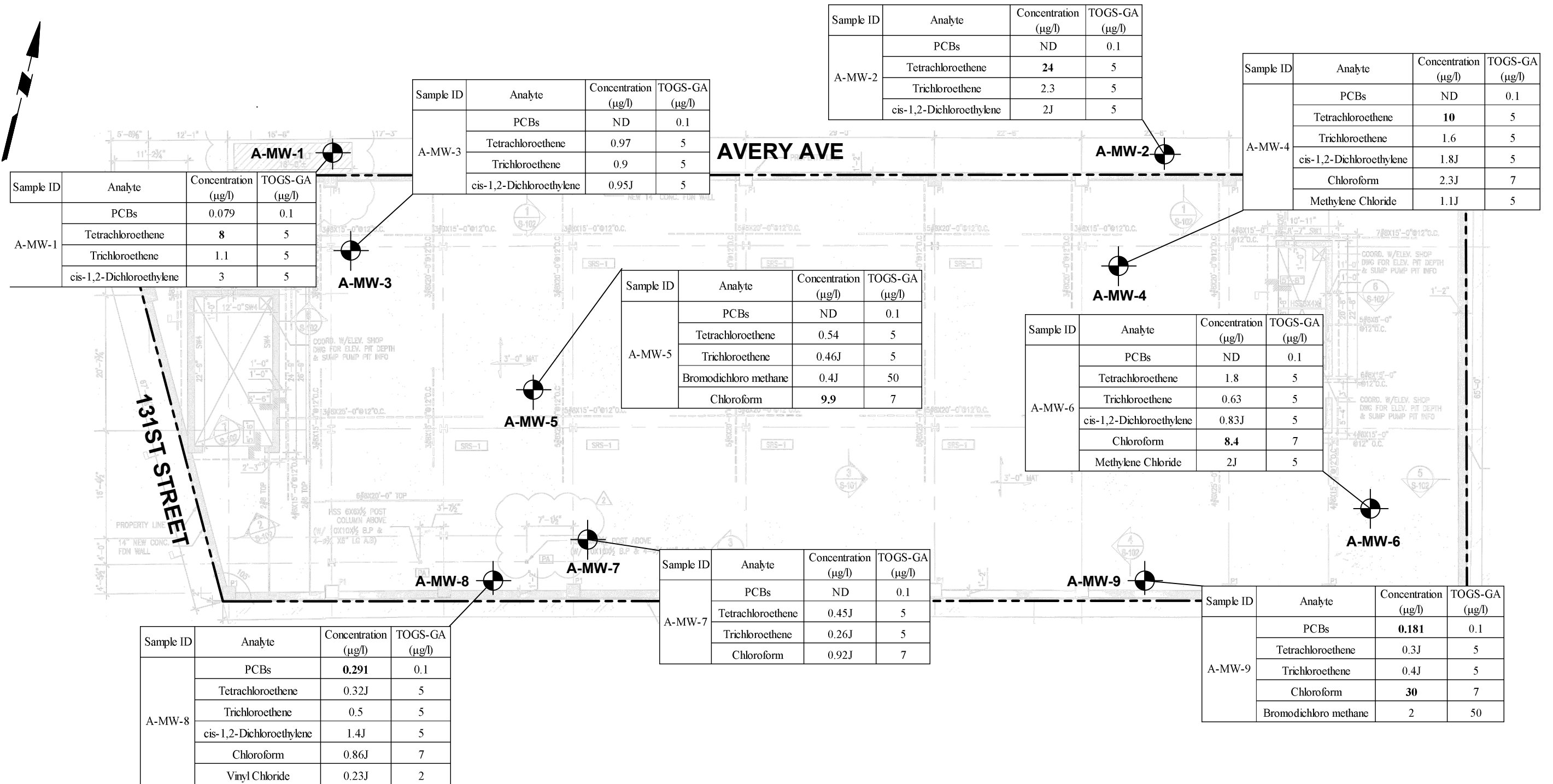
Sample ID		NYSDEC TOGS Standards and Guidance Values - GA (ug/L)	A10-MW-1	A10-MW-2	A10-MW-52	A10-MW-3	A10-MW-4	A10-MW-5	A10-MW-6	A10-MW-7	A10-MW-8	A10-MW-9	EB052422
Sampling Date			5/23/2022	5/23/2022	5/23/2022	5/24/2022	5/24/2022	5/24/2022	5/24/2022	5/24/2022	5/24/2022	5/24/2022	5/24/2022
Client Matrix			Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Compound	CAS Number		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOA, 8260 LOW MASTER													
1,1,1,2-Tetrachloroethane	630-20-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	71-55-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	79-34-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	79-00-5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	ND	ND	ND	ND	ND	ND	ND	ND	0.21J	ND	ND
1,1-Dichloroethylene	75-35-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropylene	563-58-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	96-18-4	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	95-50-1	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	106-93-4	0.0006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	142-28-9	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	123-91-1	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	594-20-7	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	95-49-8	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	106-43-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	74-97-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	ND	ND	ND	0.45J	ND	ND	ND	2.100	ND
Carbon tetrachloride	56-23-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75-00-3	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	0.650	0.610	0.610	ND	1.100	10	10	0.680	1.100	33	ND
Chloromethane	74-87-3	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	156-59-2	5	2.900	1.900	1.900	0.970	1.800	0.46J	0.800	0.21J	1.300	0.23J	ND
cis-1,3-Dichloropropylene	10061-01-5	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75-71-8	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	87-68-3	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	75-09-2	5	ND	ND	ND	1.4J	ND	1.1J	2.200	ND	1.2J	ND	ND
Tetrachloroethylene	127-18-4	5	6.800	21	20	1.100	8.600	0.38J	1.900	0.43J	0.26J	ND	ND
trans-1,2-Dichloroethylene	156-60-5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropylene	10061-02-6	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	79-01-6	5	1.200	2.600	2.600	1.200	1.900	0.38J	0.690	0.29J	0.630	0.44J	ND
Trichlorofluoromethane	75-69-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	75-01-4	2	ND	ND	ND	ND	ND	ND	ND	ND	0.22J	ND	ND



Table 1  
Groundwater Analytical Results Summary for 2nd Quarter of 2022 - York Analytical  
131-10 Avery Avenue, Flushing, New York  
Project No: 17116

Sample ID		NYSDEC TOGS Standards and Guidance Values - GA (ug/L)	A10-MW-1	A10-MW-2	A10-MW-52	A10-MW-3	A10-MW-4	A10-MW-5	A10-MW-6	A10-MW-7	A10-MW-8	A10-MW-9	EB052422
Sampling Date			5/23/2022	5/23/2022	5/23/2022	5/24/2022	5/24/2022	5/24/2022	5/24/2022	5/24/2022	5/24/2022	5/24/2022	5/24/2022
Client Matrix			Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Compound	CAS Number		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Polychlorinated Biphenyls (PCB)													
Aroclor 1016	12674-11-2	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	53469-21-9	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	12672-29-6	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	~	0.117	ND	ND	ND	0.0725	ND	ND	0.196	ND	0.288	ND
Aroclor 1260	11096-82-5	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1336-36-3	0.09	0.117	ND	ND	ND	0.0725	ND	ND	0.196	0.851	0.288	ND

NOTES: ND=this indicates the analyte was detected for this sample  
~=this indicates that no regulatory limit has been established for this analyte  
=this indicates exceedance compared to the regulatory limit  
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated



**LEGEND:**

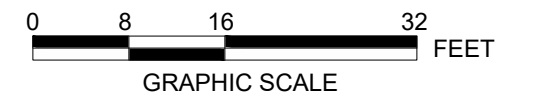


A-MW-X AS-BUILT MONITORING WELL LOCATIONS/GROUNDWATER INJECTION LOCATIONS AND DESIGNATION NUMBER

--- BUILDING BOUNDARY

**NOTE:**

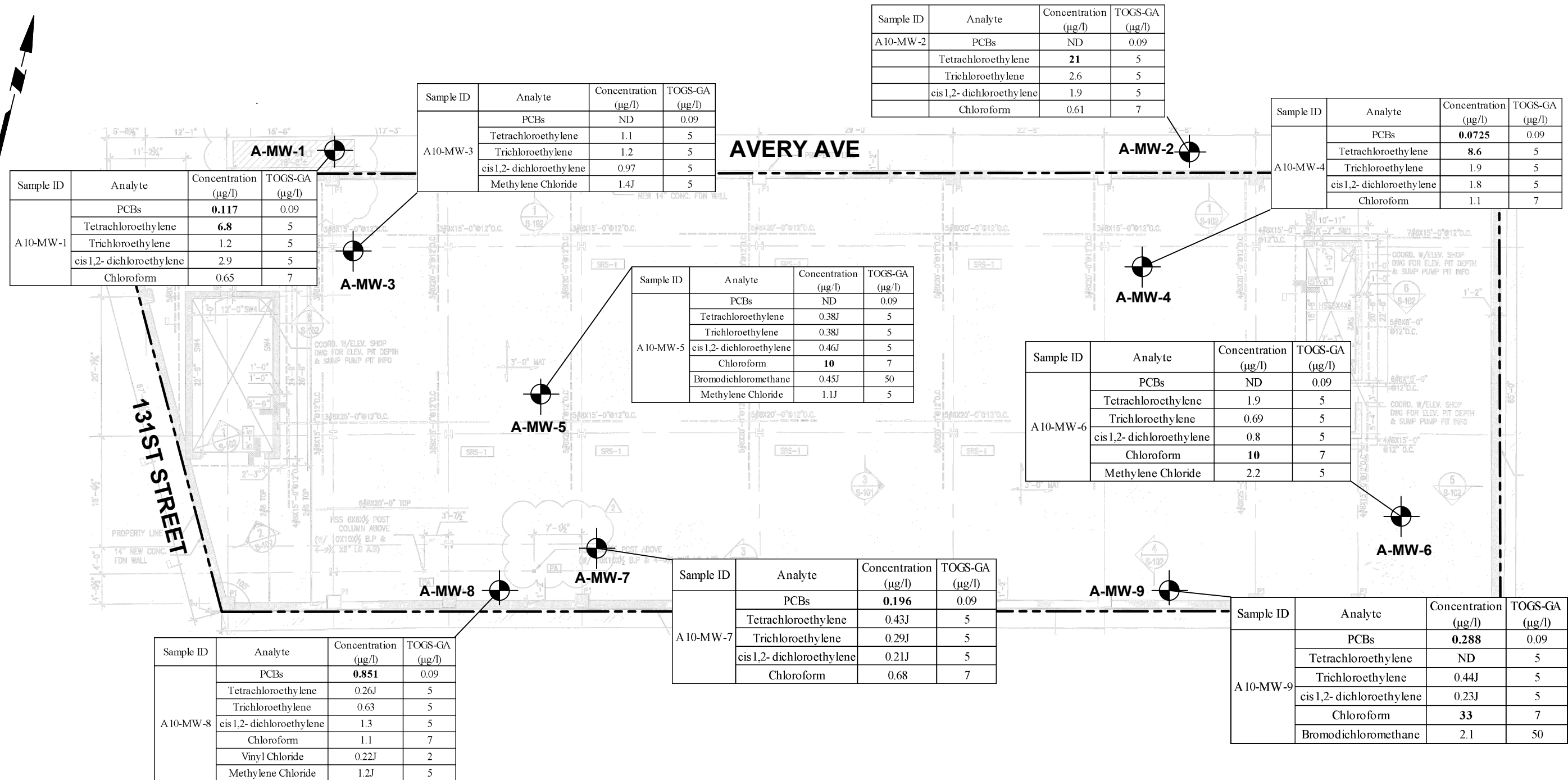
1. THE BASE MAP IS EXTRACTION FROM THE FROM THE FOUNDATION PLAN FOR 131-10 AVERY AVENUE PREPARED BY TIMES BUILDINGS PC ON AUGUST 2019.



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GROUNDWATER SAMPLE RESULTS MAP  
ALPHA ANALYTICAL LABORATORY  
131-10 TO 131-18 AVERY AVENUE  
2nd QUARTER OF 2022  
QUEENS  
NEW YORK

FLUSHING	NEW YORK
JOB NO.: 17116	SCALE: AS SHOWN
DATE: 07/11/2022	FIG. 1



## LEGEND:

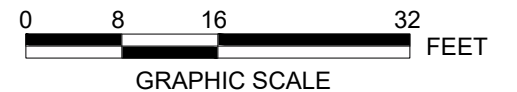


A-MW-X

----- BUILDING BOUNDARY

## NOTE:

1. THE BASE MAP IS EXTRACTION FROM THE FROM THE FOUNDATION PLAN FOR 131-10 AVERY AVENUE PREPARED BY TIMES BUILDINGS PC ON AUGUST 2019.



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GROUNDWATER SAMPLE RESULTS MAP  
YORK ANALYTICAL LABORATORY  
131-10 TO 131-18 AVERY AVENUE  
2nd QUARTER OF 2022  
QUEENS

FLUSHING NEW YORK

JOB NO.: 171116 SCALE: AS SHOWN DATE: 07/13/2022 FIG. 1