

Periodic Review Report

131-05 & 131-15 Fowler Avenue Site

Block 5076, Lot 31

Site ID: C241161

Submitted to:



New York State Department of Environmental Conservation

Division of Environmental Remediation

Remedial Bureau B, 12th Floor

625 Broadway

Albany, NY 12233-7016

Prepared for:

131-05 Holding, LLC

21 Howard Street, Suite 203

New York, NY 10013

Prepared by:

YU & Associates Engineers, P.C.

200 Riverfront Boulevard

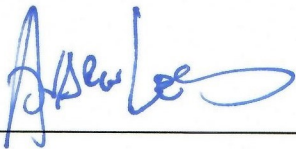
Elmwood Park, NJ 07407

July 15, 2020

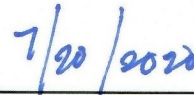
CERTIFICATIONS

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.



Andrew Leung, P.E.



Date

TABLE OF CONTENTS

Chapter	Page
1.0 EXECUTIVE SUMMARY.....	1
2.0 SITE OVERVIEW	2
2.1 SITE DESCRIPTION.....	2
2.2 SUMMARY OF SITE CONTAMINATION.....	2
2.3 REMEDIAL ELEMENTS	3
2.4 REMEDIAL ACTION OBJECTIVES	3
3.0 REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS EVALUATION	4
3.1 PERFORMANCE	4
3.2 EFFECTIVENESS	4
3.3 PROTECTIVENESS.....	4
4.0 IC/EC PLAN COMPLIANCE REPORT.....	5
4.1 INSTITUTIONAL CONTROLS	5
4.2 ENGINEERING CONTROLS.....	5
4.3 IC/EC COMPLIANCE AND CERTIFICATION	5
5.0 MONITORING PLAN COMPLIANCE REPORT.....	6
5.1 COMPONENTS OF THE MONITROING PLAN	6
5.1.1 Site-Wide Inspection.....	6
5.1.2 Post-Remediation Groundwater Monitoring and Sampling	6
5.2 SUMMARY OF COMPLETED MONITORING EVENTS	7
5.2.1 Results of Site-wide Inspection	7
5.2.2 Results of Post-Remediation Media Monitoring and Sampling	7
5.3 CONCLUSION AND RECOMMENDATION FOR CHANGES.....	8
6.0 OVERALL PERIODIC REVIEW REPORT CONCLUSIONS AND RECOMMENDATIONS	9
6.1 COMPLIANCE WITH SMP	9
6.2 PERFORMANCE AND EFFECTIVENESS OF THE REMEDY	9
6.3 FUTURE PRR SUBMITTALS.....	9
6.4 RECOMMENDATIONS.....	9
7.0 REFERENCE.....	10

LIST OF FIGURES

Figure 1	Site Location Map
Figure 2	Site Plan Map
Figure 3	Groundwater Network Map
Figure 4	Operation & Maintenance Groundwater Monitoring Tetrachloroethylene Concentration Trend
Figure 5	Operation & Maintenance Groundwater Monitoring Trichloroethylene Concentration Trend

APPENDICES

Appendix A	Site Management Form
Appendix B	ICs/ECs Certification Form
Appendix C	Quarterly O&M monitoring Results

1. EXECUTIVE SUMMARY

The Site is located at 131-05 & 131-15 Fowler Avenue, Flushing, New York. The site is located in Flushing, Queens County, New York and is identified as Block 5076 and Lot 31 on the Queens Tax Map. The site is an approximately 0.53-acre area and is bounded by vacant land and Avery Avenue to the north, Fowler Avenue and a recreational property to the south, vacant and commercial properties to the east, and industrial and manufacturing properties, and 131st Street to the west (see Figure 2 – Site Layout Map).

The Site was initially developed in the late 1800s and utilized as a residence through at least the 1930s. The existing buildings were both constructed in the 1950s, after which the subject site was utilized by an electronics manufacturer. The site was occupied by Radio Filter/Filtron Co. Inc., which manufactured radio frequency interface filters from the 1950s through the 1980s. In 2000, 131-15 Fowler Ave was occupied by a dental laboratory. Around 2005, in addition to the dental laboratory, the 131-15 Fowler Ave building was also associated with Aabco Sheet Metal Co., D F Sportswear Inc., H & D Sportswear Inc., and Tap Electrical Contracting Service Inc.

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 September 2015 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 14, 2018.

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 Flushing, Queens County, New York and is identified as Block 5076 and Lot 31 on the Queens Tax Map (See Figure 1). The site is an approximately 0.53-acre area and is bounded by vacant land and Avery Avenue to the north, Fowler Avenue and a recreational property to the south, vacant and commercial properties to the east, and industrial and manufacturing properties, and 131st Street to the west (see Figure 2 – Site Layout Map).

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 September 2015 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 14, 2018.

2.2 SUMMARY OF SITE CONTAMINATION

The Site was initially developed in the late 1800s and utilized as a residence through at least the 1930s. The existing buildings were both constructed in the 1950s, after which the subject site was utilized by an electronics manufacturer. The site was occupied by Radio Filter/Filtron Co. Inc., which manufactured radio frequency interface filters from the 1950s through the 1980s. In 2000, 131-15 Fowler Ave was occupied by a dental laboratory. Around 2005, in addition to the dental laboratory, the 131-15 Fowler Ave building was also associated with Aabco Sheet Metal Co., D F Sportswear Inc., H & D Sportswear Inc., and Tap Electrical Contracting Service Inc.

The March 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), semi-volatile organic compounds (SVOCs), 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 VOCs (TCE), SVOCs (PAHs), PCBs (Aroclor-1254), and metals (iron, copper, lead, barium, and vanadium) compared with New York State Residential Use Soil Cleanup Objectives (RSCOs).

Groundwater

Groundwater sample results indicate CVOCs (PCE, TCE, and DCE), SVOCs (PAHs and one phthalate), PCBs (Aroclor-1254 and Aroclor-1242), pesticides (chlordane), and metals (iron, 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 131-05 & 131-15 Fowler Avenue, Flushing, NY (the Site) from January 2017 to January 2018. 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 ten (10) 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 September 30, 2015 are as follows:

Groundwater

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of, volatiles from contaminated groundwater.
- Restore ground water aquifer to pre-disposal/pre-release conditions, to the extent practicable.
- Remove the source of ground or surface water contamination.

Soil

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil.
- Prevent migration of contaminants that would result in groundwater or surface water contamination.

Soil Vapor

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a 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 MW-1, MW-2, MW-3, MW-4, MW-8, MW-9 and MW-10 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 5.52 to 19.4 ppb and a TCE concentration range of 6.66 to 12.9 ppb, respectively.

However, relatively elevated CVOCs contamination still remained in the northeast portion of the Site after 7 rounds of groundwater O&M events. Samples collected from monitoring/injection wells MW-5, MW-6, and MW-7 exhibited relatively higher levels of CVOC contamination, specifically with 105 ppb PCE concentration detected in MW-6, 28 ppb PCE concentration detected in MW-5 and 36.3 ppb TCE concentration detected in MW-7.

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 September 17, 2018 and was recorded with the Queens County Clerk on November 13, 2018.

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 and one existing 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 parking lot 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 September 26, 2019. 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 ten (10) monitoring wells as shown in the table below:

Monitoring Well Location	Sampling Parameters		Frequency
MW-1	CVOCs	PCBs	Quarterly
MW-2	CVOCs	PCBs	Quarterly
MW-3	CVOCs	PCBs	Quarterly
MW-4	CVOCs	PCBs	Quarterly
MW-5	CVOCs	PCBs	Quarterly
MW-6	CVOCs	PCBs	Quarterly
MW-7	CVOCs	PCBs	Quarterly
MW-8	CVOCs	PCBs	Quarterly
MW-9	CVOCs	PCBs	Quarterly
MW-10	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 September 27, 2019 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 parking ventilation system has been installed properly.

5.2.2 Results of Post-Remediation Media Monitoring and Sampling

A total of 7 groundwater O&M monitoring events had been conducted at the Site from January 2018 to October 2019. Based on the review of the 7 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 MW-1, MW-2, MW-3, MW-4, MW-8, MW-9 and MW-10 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 a PCE concentration range of 5.52 to 19.4 ppb and a TCE concentration range of 6.66 to 12.9 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 7 rounds of groundwater O&M events. Samples collected from monitoring/injection wells MW- 5, MW- 6, and MW- 7 exhibited relatively high levels of CVOC contamination, specifically with 105 ppb PCE concentration detected in MW-6, 28 ppb PCE concentration detected in MW-5 and 36.3 ppb TCE concentration detected in MW-7. 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

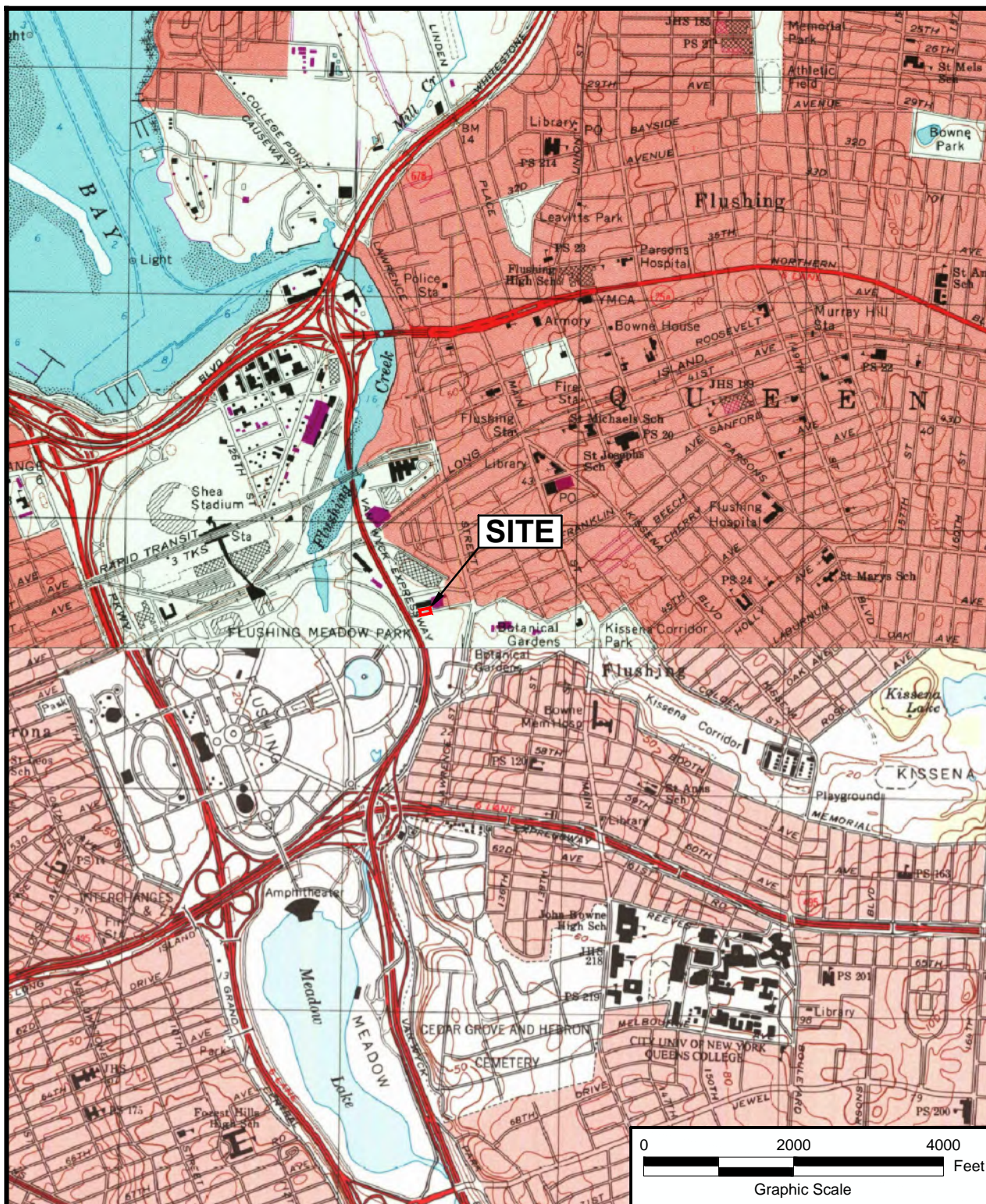
YU recommends no changes to the annual frequency of the site-wide inspection and the PRR submittals. YU recommends the two changes below in the following review period:

- 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.

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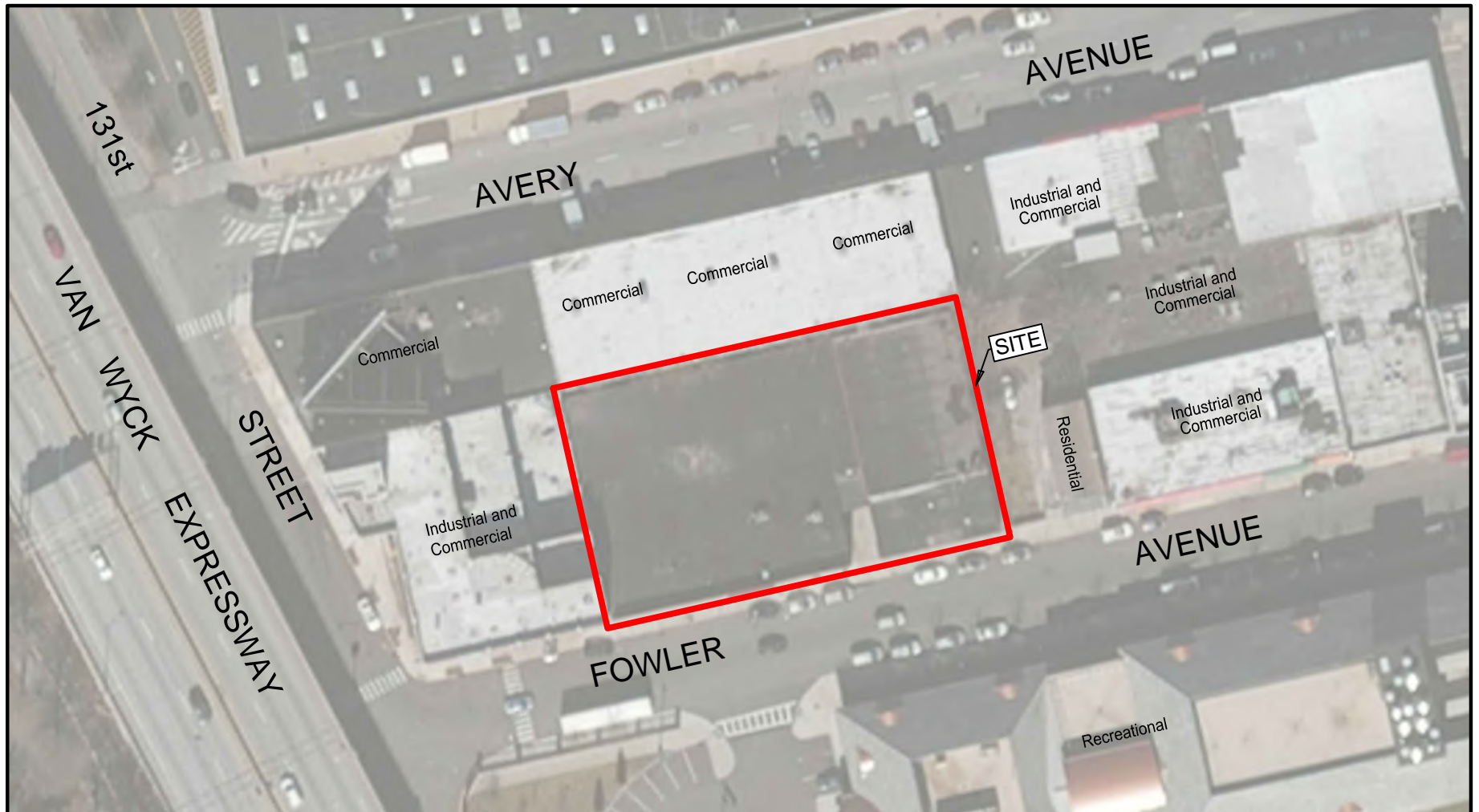
SITE LOCATION MAP
131-05 & 131-15 FOWLER AVENUE
SITE ID: C241161

QUEENS

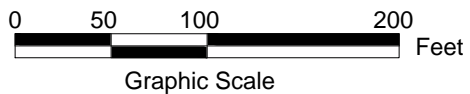
FLUSHING

NEW YORK

JOB NO.: 14164	SCALE: As Shown	DATE: 03/03/15	FIG. 1
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BASEMAP SOURCE: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



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SITE PLAN MAP
131-05 & 131-15 FOWLER AVENUE
SITE ID: C241161

QUEENS

FLUSHING

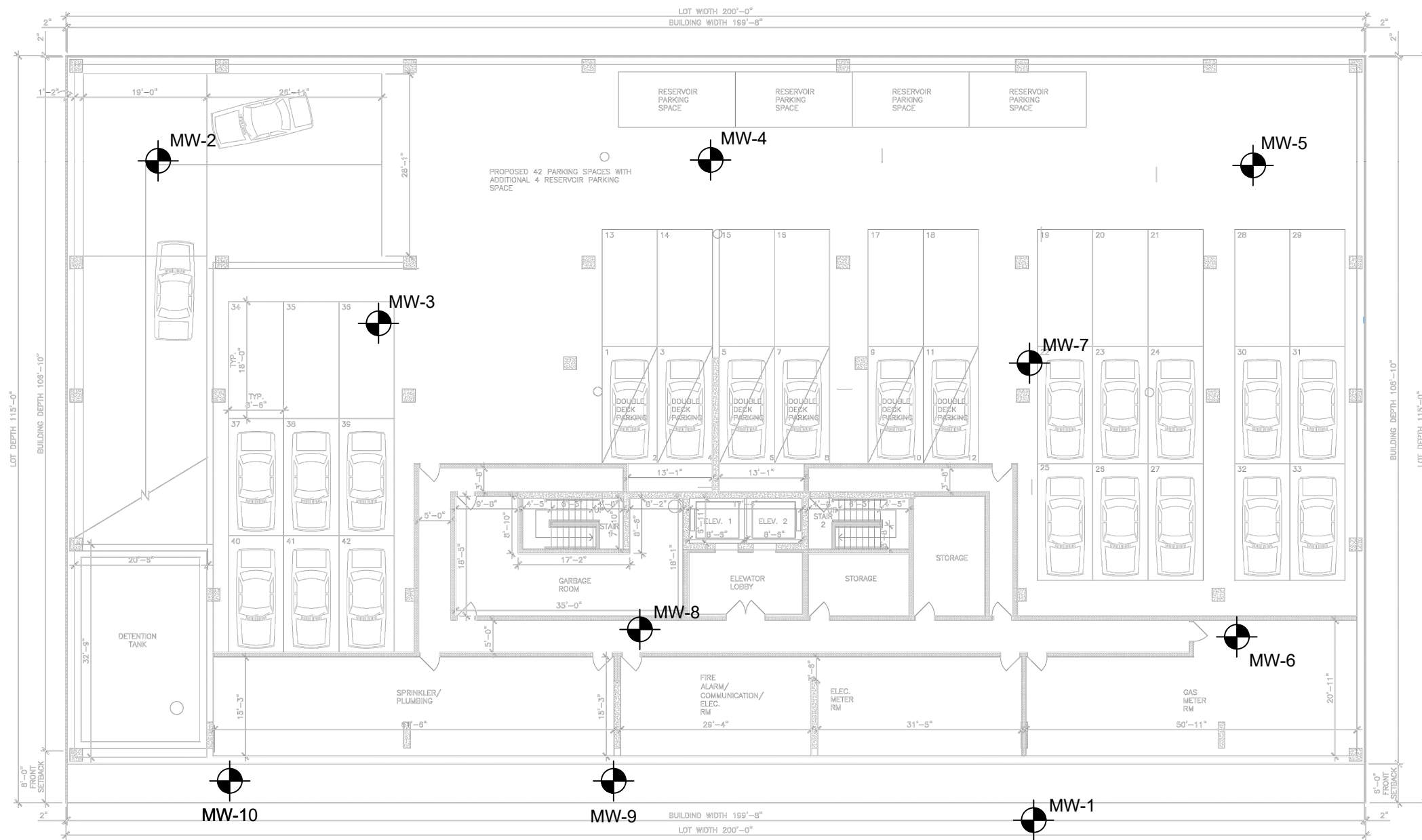
NEW YORK

JOB NO.: 14164


SCALE: As Shown

DATE: 03/03/15

FIG. 2

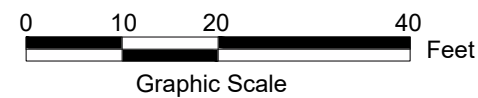


Legend:


 As-Built Monitoring Well
 Locations/Groundwater
 Injection Locations

Note:

1. The base map is from the Cellar Plan for 131-05 Fowler Avenue Development prepared by MY Architect PC on February 14, 2016.



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GROUNDWATER NETWORK MAP
 131-05 & 131-15 FOWLER AVENUE
 SITE ID: C241161
 QUEENS

FLUSHING

NEW YORK

JOB NO.: 14164	SCALE: As Shown	DATE: 12/13/2017	FIG. 3
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Figure 4 - PCE Concentration

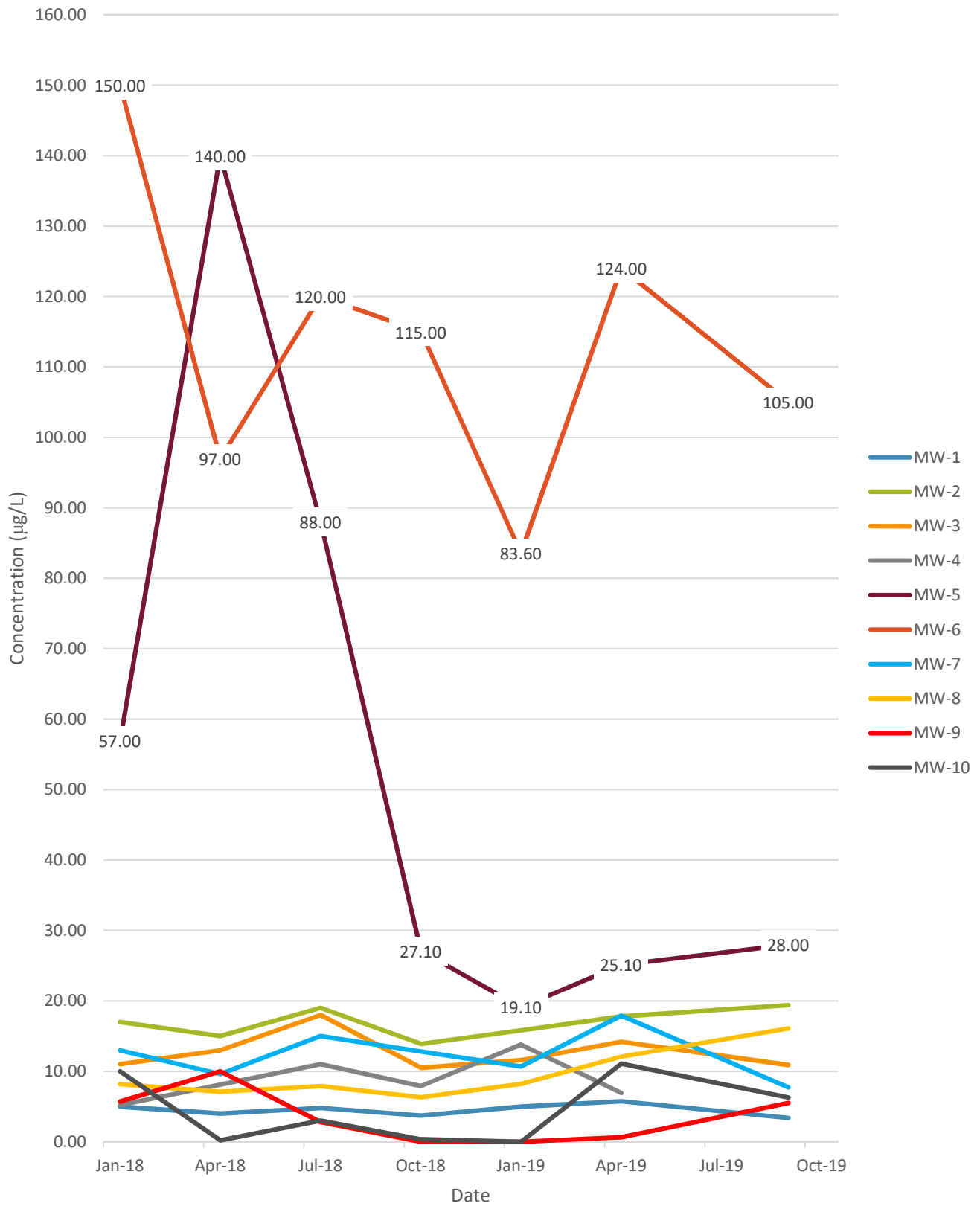
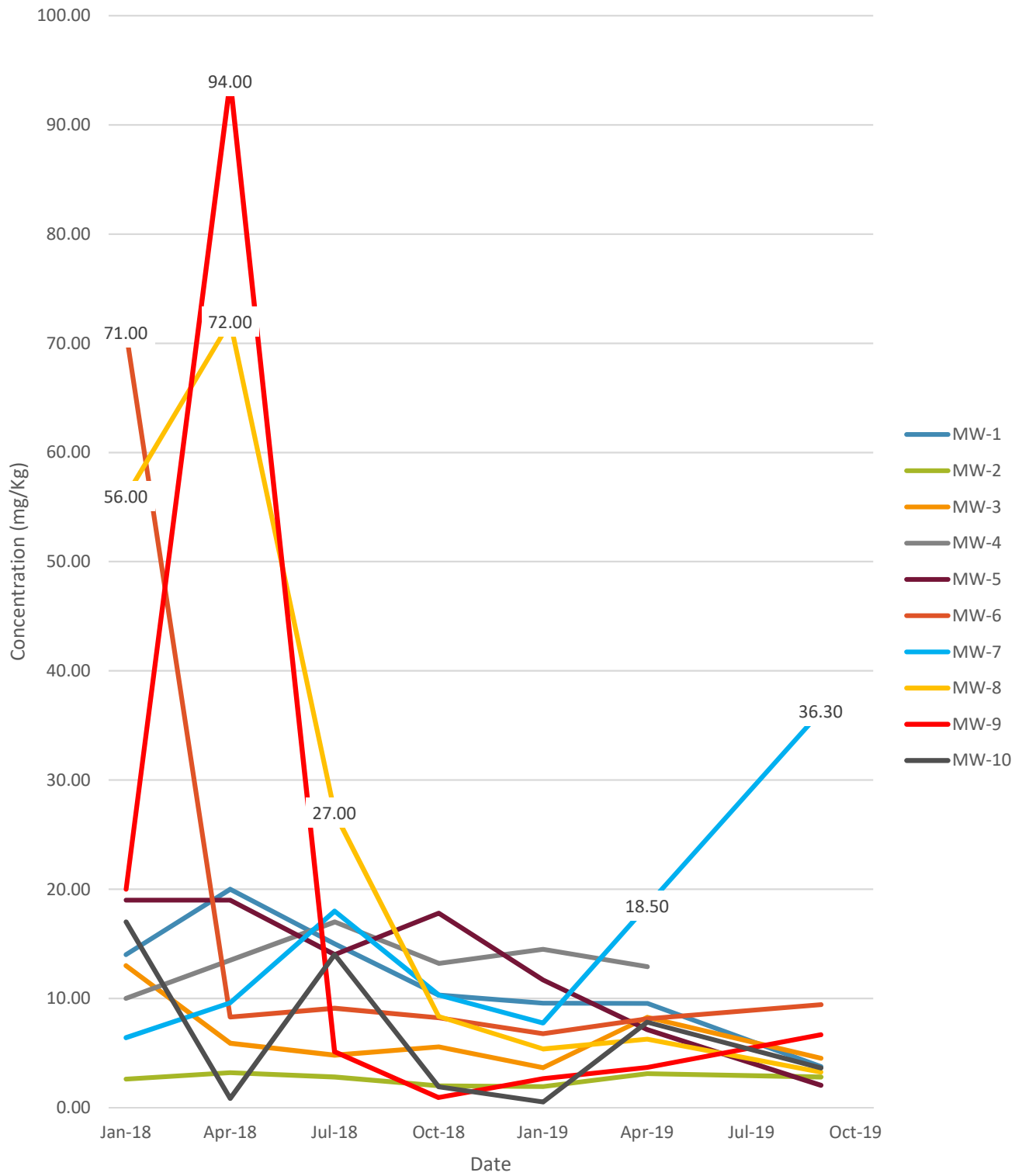


Figure 5 - TCE Concentration



APPENDICES

Appendix A - Site Management Form

SITE MANAGEMENT FORM

Pg. 1 of 8

Report No.: 14164

BCP #: C241161

Date: September 23, 2019

Agency: NYSDEC

Division of Environmental Remediation
NYSDEC BCP # C241161

Site: 131-05 & 131-15 Fowler Avenue Site

**Address: 131-05 & 131-15 Fowler Avenue,
Flushing, Queens, New York**

Temperature: (F) 68 (am) 79 (pm)

Wind Direction: SW (am) W (pm)

Weather: Windy (am)
Cloudy (pm)

Arrive at site: 7 (am)

Leave site: 530 (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

Pg. 2 of 8

Report No.: 14164

BCP #: C241161

Date: September 23, 2019

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	10						

1 – Active Equipment 2 – Inactive Equipment

VISITORS TO SITE:

Steven YU Jie&Li Construction

SITE MANAGEMENT FORM

Pg. 3 of 8

Report No.: 14164

BCP #: C241161

Date: September 23, 2019

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: 09/23/2019

xc: Javier Perez-Maldonado – NYSDEC

SITE MANAGEMENT FORM

Pg. 4 of 8

Report No.: 14164

BCP #: C241161

Date: September 23, 2019

DAILY PHOTOLOG

Date	Photo ID	Description
9/27/2019	1	View of the Site's building north facade
9/27/2019	2	View of the Site's building south facade
9/27/2019	3	View of the foundation slab in the basement level facing west
9/27/2019	4	View of the foundation slab in the basement level facing east
9/27/2019	5	View of the sub-grade ventilation system facing northeast
9/27/2019	6	View of the sub-grade ventilation system facing northwest
9/27/2019	7	View of the outer casing of the monitoring well in the basement
9/27/2019	8	View of the inner casing of the monitoring well in the basement



Photo 1

SITE MANAGEMENT FORM

Pg. 5 of 8

Report No.: 14164

BCP #: C241161

Date: September 23, 2019



Photo 2

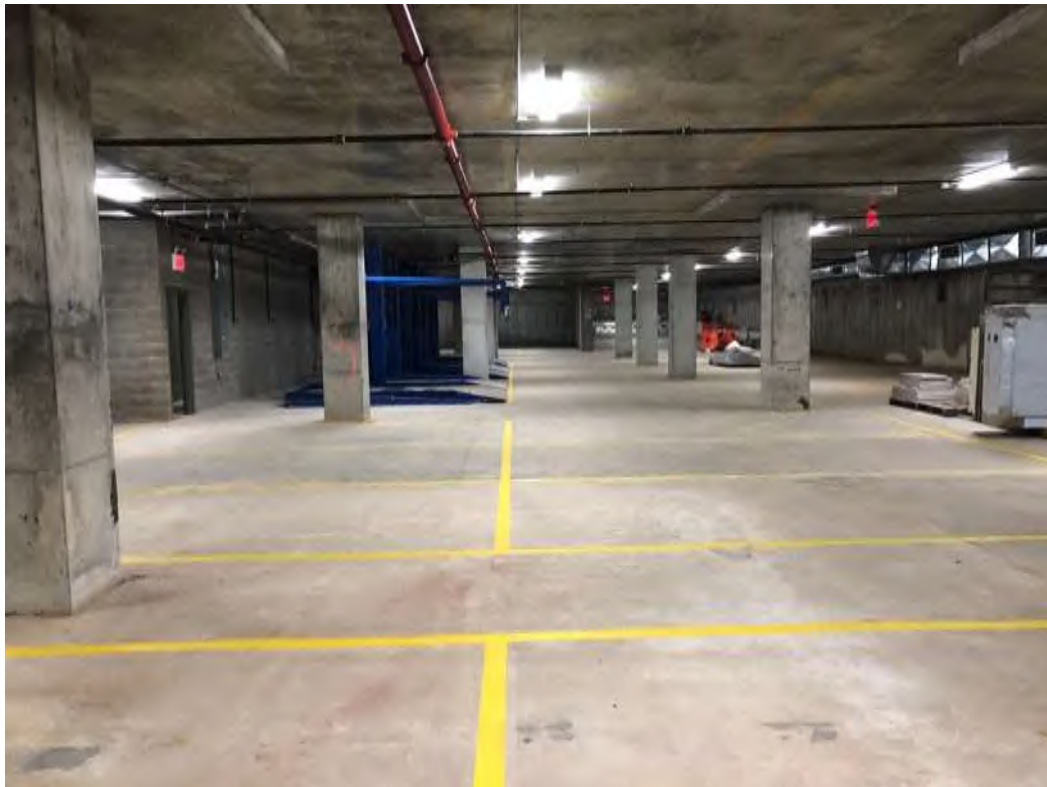


Photo 3

SITE MANAGEMENT FORM

Pg. 6 of 8

Report No.: 14164

BCP #: C241161

Date: September 23, 2019

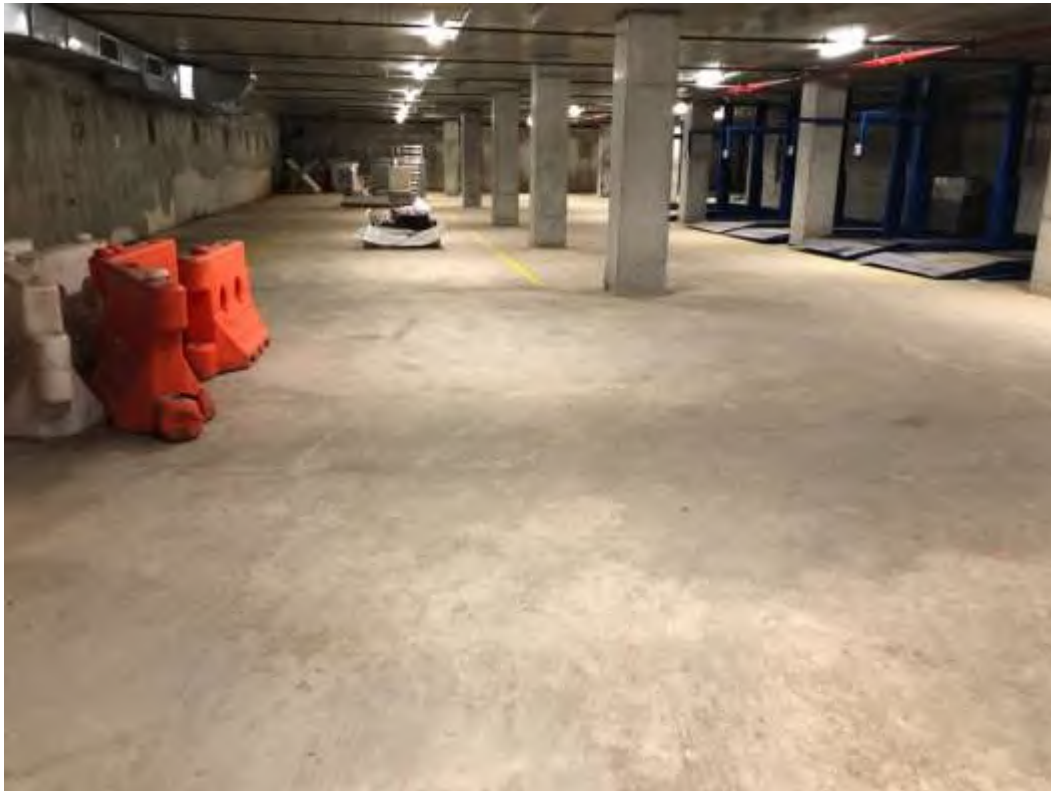


Photo 4



Photo 5

SITE MANAGEMENT FORM

Pg. 7 of 8

Report No.: 14164

BCP #: C241161

Date: September 23, 2019



Photo 6



Photo 7

SITE MANAGEMENT FORM

Pg. 8 of 8

Report No.: 14164

BCP #: C241161

Date: September 23, 2019



Photo 8

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. C241161 **Site Details** **Box 1**

Site Name 131-05 & 131-15 Fowler Avenue

Site Address: 131-11 Fowler Avenue Zip Code: 11355

City/Town: Flushing

County: Queens

Site Acreage: 0.527

Reporting Period: December 14, 2018 to April 14, 2020

- | | YES | NO |
|--|-------------------------------------|-------------------------------------|
| 1. Is the information above correct? | <input checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/> | <input type="checkbox"/> |
| 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? | <input checked="" 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 checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7. Are all ICs/ECs in place and functioning as designed? | <input checked="" 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.

Description of Institutional ControlsParcel**5076-31**Owner

131-05 Holding LLC

Institutional Control

Ground Water Use Restriction
Monitoring Plan
IC/EC Plan

Landuse Restriction
Site Management 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**Parcel**5076-31**Engineering Control

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 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. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

- (a) the Institutional Control and/or 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. C241161

Box 6

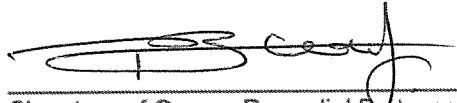
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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 Meng Hua Wang at 21 Howard Street, Suite 203 New York, NY 10013
print name print business address

am certifying as 131-05 Holding, LLC (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

07/17/2020

Date

IC/EC CERTIFICATIONS

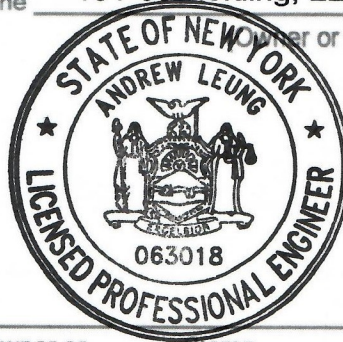
Box 7

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 Andrew Leung at 200 Riverfront Boulevard, Elmwood Park, NJ 07407
print name print business address

am certifying as a Professional Engineer for the 131-05 Holding, LLC
(Owner or Remedial Party)



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

Stamp
(Required for PE)

7/20/2020
Date

Appendix C - Quarterly O&M monitoring Results

1st Round Groundwater Sampling 2018

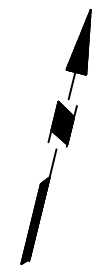
Table 1
Groundwater Analytical Results Summary for 1st Quarter of 2018
131-05 & 131-15 Fowler Avenue, Queens, New York
Project No. 14164

Sample ID		NYSDEC TOGS	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-60	EB-012518	TB-012518
Sampling Date		Standards and	1/25/2018	1/24/2018	1/25/2018	1/24/2018	1/25/2018	1/25/2018	1/24/2018	1/24/2018	1/24/2018	1/24/2018	1/24/2018	1/25/2018	1/25/2018
Client Matrix		Guidance Values - GA	Water	Water	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	ug/L	ug/L	ug/L
Volatile Organics, 8260 Halogenated - Low Level															
1,1,1,2-Tetrachloroethane	630-20-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	71-55-6	5	ND	0.41J	0.69	ND	ND	ND	0.56	0.4J	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	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	5	1.1	1.9	2.4	ND	ND	ND	ND	0.34J	4.8	5.5	5.1	ND	ND
1,1,2-Trichloroethane	79-00-5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	1.8	6.7	6.6	1.8	ND	1.8	7.5	1.8	0.3J	0.51	0.49J	ND	ND
1,1-Dichloroethylene	75-35-4	5	0.55	2.6	2.3	ND	ND	0.62	1.5	0.39J	ND	ND	ND	ND	ND
1,1-Dichloropropylene	563-58-6	5	ND	ND	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	ND	ND
1,2,3-Trichloropropane	96-18-4	0.04	ND	ND	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	ND	ND
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND	ND	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	ND	ND
1,2-Dichloroethane	107-06-2	0.6	ND	ND	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	ND	ND
1,3-Dichlorobenzene	541-73-1	3	ND	ND	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	ND	ND
1,4-Dichlorobenzene	106-46-7	3	ND	ND	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	ND	ND
2-Chlorotoluene	95-49-8	5	ND	ND	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	ND	ND
Bromochloromethane	74-97-5	5	ND	ND	ND	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	ND	ND	ND
Carbon tetrachloride	56-23-5	5	ND	ND	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	ND	ND
Chloroethane	75-00-3	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	ND	ND	ND	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	ND	ND	ND
cis-1,2-Dichloroethylene	156-59-2	5	1.7	2.6	4.3	6	2.5	1.9	9.3	4.4	5	5.1	4.8	ND	ND
cis-1,3-Dichloropropylene	10061-01-5	0.4	ND	ND	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	ND	ND
Dichlorodifluoromethane	75-71-8	5	ND	ND	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	ND	ND
Methylene chloride	75-09-2	5	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	127-18-4	5	5	17	11	5.2	57	150	13	8.2	5.7	10	9.6	ND	ND
trans-1,2-Dichloroethylene	156-60-5	5	ND	ND	0.3J	ND	ND	ND	0.21J	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	ND	ND
Trichloroethylene	79-01-6	5	14	2.6	13	10	19	7.1	6.4	56	20	17	16	ND	ND
Trichlorofluoromethane	75-69-4	5	ND	ND	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	ND	ND	ND	ND	ND
Polychlorinated Biphenyls (PCB)															
Aroclor 1016	12674-11-2	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Aroclor 1221	11104-28-2	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Aroclor 1232	11141-16-5	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Aroclor 1242	53469-21-9	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Aroclor 1248	12672-29-6	~	ND	ND	ND	0.664P	ND	ND	ND	ND	ND	2.38	2.38	ND	NA

Table 1
Groundwater Analytical Results Summary for 1st Quarter of 2018
131-05 & 131-15 Fowler Avenue, Queens, New York
Project No. 14164

Sample ID		NYSDEC TOGS	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-60	EB-012518	TB-012518
Sampling Date		Standards and	1/25/2018	1/24/2018	1/25/2018	1/24/2018	1/25/2018	1/25/2018	1/24/2018	1/24/2018	1/24/2018	1/24/2018	1/24/2018	1/25/2018	1/25/2018
Client Matrix		Guidance Values - GA	Water	Water	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	ug/L	ug/L	ug/L
Aroclor 1254	11097-69-1	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Aroclor 1260	11096-82-5	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Total PCBs	1336-36-3	0.09	ND	ND	ND	0.664	ND	ND	ND	ND	ND	2.38	2.38	ND	NA

Key
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis
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
Shading indicates NYSDEC TOGS Guidance Value exceedance



Sample ID	Analyte	Concentration (µg/l)	TOGS-GA
MW-2	PCB	ND	0.09
	Tetrachloroethene	17	5
	Trichloroethene	2.6	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA
MW-4	PCB(Aroclor 1248)	0.664	0.09
	Tetrachloroethene	5.2	5
	Trichloroethene	10	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA
MW-5	PCB	ND	0.09
	Tetrachloroethene	57	5
	Trichloroethene	19	5

Legend:



As-Built Monitoring Well
Locations/Groundwater
Injection Locations

Note:

- The base map is from the Cellar Plan for 131-05 Fowler Avenue Development prepared by MY Architect PC on February 14, 2016.

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA
MW-3	PCB	ND	0.09
	Tetrachloroethene	11	5
	Trichloroethene	13	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA
MW-8	PCB	ND	0.09
	Tetrachloroethene	8.2	5
	Trichloroethene	56	5

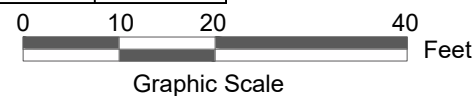
Sample ID	Analyte	Concentration (µg/l)	TOGS-GA
MW-7	PCB	ND	0.09
	Tetrachloroethene	13	5
	Trichloroethene	6.4	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA
MW-6	PCB	ND	0.09
	Tetrachloroethene	150	5
	Trichloroethene	7.1	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA
MW-10	PCB(Aroclor 1248)	2.38	0.09
	Tetrachloroethene	10	5
	Trichloroethene	17	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA
MW-9	PCB	ND	0.09
	Tetrachloroethene	5.7	5
	Trichloroethene	20	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA
MW-1	PCB	ND	0.09
	Tetrachloroethene	5	5
	Trichloroethene	14	5



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

200 Riverfront Blvd.
Elmwood Park, NJ 07407

Tel: (201) 791-0075
Fax: (201) 791-4533

GROUNDWATER MONITORING PROGRAM PLAN
131-05 & 131-15 FOWLER AVENUE
SITE ID: C241161
QUEENS

FLUSHING

NEW YORK

JOB NO.: 14164 SCALE: As Shown DATE: 12/13/2017 FIG. 8

2nd Round Groundwater Sampling 2018

Table 3
Groundwater Analytical Results Summary for 2nd Quarter of 2018
131-05 & 131-15 Fowler Avenue, Queens, New York
Project No. 14164

Sample ID		NYSDEC TOGS	MW-1	MW-2	MW-3	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	EB040218	TB040218-1	TB040218-2	MW-51
Sampling Date		Standards and	4/2/2018	4/2/2018	4/2/2018	4/2/2018	4/2/2018	4/2/2018	4/2/2018	4/2/2018	4/2/2018	4/2/2018	4/2/2018	4/2/2018	4/2/2018
Client Matrix		Guidance Values- GA	Water	Water	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	ug/L	ug/L	ug/L
Volatile Organics, 8260 Halogenated List															
1,1,1,2-Tetrachloroethane	630-20-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	71-55-6	5	0.23J	0.37J	0.45J	ND	0.46J	0.52	0.42J	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	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	5	0.65	2.4	2	0.26J	0.95	ND	0.47J	10	ND	ND	ND	ND	0.55
1,1,2-Trichloroethane	79-00-5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	2	6.4	6.2	0.34J	4.8	7.7	1.9	0.49J	ND	ND	ND	ND	1.6
1,1-Dichloroethylene	75-35-4	5	0.66	3	2.5	ND	1.7	1.6	0.51	ND	ND	ND	ND	ND	0.56
1,1-Dichloropropylene	563-58-6	5	ND	ND	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	ND	ND
1,2,3-Trichloropropane	96-18-4	0.04	ND	ND	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	ND	ND
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND	ND	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	ND	ND
1,2-Dichlorobenzene	95-50-1	3	ND	ND	ND	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	ND	ND	ND
1,2-Dichloropropane	78-87-5	1	ND	ND	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	ND	ND
1,3-Dichloropropane	142-28-9	5	ND	ND	ND	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	ND	ND	ND
2,2-Dichloropropane	594-20-7	5	ND	ND	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	ND	ND
4-Chlorotoluene	106-43-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	108-86-1	5	ND	ND	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	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND
Bromoform	75-25-2	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	74-83-9	5	ND	ND	ND	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	ND	ND	ND
Chlorobenzene	108-90-7	5	ND	ND	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	ND	ND
Chloroform	67-66-3	7	0.29J	0.47J	0.54	0.27J	0.44J	0.3J	0.35J	0.45J	37	ND	ND	ND	0.3J
Chloromethane	74-87-3	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	156-59-2	5	1.5	2.6	3.6	1.6	2.4	12	4.4	8.8	ND	ND	ND	ND	1.3
cis-1,3-Dichloropropylene	10061-01-5	0.4	ND	ND	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	ND	ND
Dibromomethane	74-95-3	~	ND	ND	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	ND	ND
Hexachlorobutadiene	87-68-3	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	75-09-2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	127-18-4	5	4	15	13	140	97	9.6	7.1	10	0.22J	ND	ND	ND	3.4
trans-1,2-Dichloroethylene	156-60-5	5	ND	ND	ND	ND	ND	0.29J	0.26J	0.22J	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	ND	ND
Trichloroethylene	79-01-6	5	20	3.2	5.9	19	8.3	9.6	72	94	0.84	ND	ND	ND	16
Trichlorofluoromethane	75-69-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	75-01-4	2	ND	ND	ND	ND	ND	0.24J	ND	ND	ND	ND	ND	ND	ND

Table 3
Groundwater Analytical Results Summary for 2nd Quarter of 2018
131-05 & 131-15 Fowler Avenue, Queens, New York
Project No. 14164

Sample ID		NYSDEC TOGS Standards and Guidance Values- GA	MW-1 4/2/2018 Water	MW-2 4/2/2018 Water	MW-3 4/2/2018 Water	MW-5 4/2/2018 Water	MW-6 4/2/2018 Water	MW-7 4/2/2018 Water	MW-8 4/2/2018 Water	MW-9 4/2/2018 Water	MW-10 4/2/2018 Water	EB040218 4/2/2018 Water	TB040218-1 4/2/2018 Water	TB040218-2 4/2/2018 Water	MW-51 4/2/2018 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	ug/L	ug/L	ug/L
Polychlorinated Biphenyls (PCB)															
Aroclor 1016	12674-11-2	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Aroclor 1221	11104-28-2	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Aroclor 1232	11141-16-5	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Aroclor 1242	53469-21-9	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Aroclor 1248	12672-29-6	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Aroclor 1254	11097-69-1	~	ND	ND	ND	0.292	ND	ND	0.0882	2.86	1.88	ND	NA	NA	ND
Aroclor 1260	11096-82-5	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Total PCBs	1336-36-3	0.09	ND	ND	ND	0.292	ND	ND	0.0882	2.86	1.88	ND	NA	NA	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
Shading indicates NYSDEC TOGS Guidance Value exceedance

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA
MW-2	PCB	ND	0.09
	Tetrachloroethene	17	5
	Trichloroethene	2.6	5
	1,1-Dichloroethane	6.7	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA
MW-4	PCB	0.664	0.09
	Tetrachloroethene	5.2	5
	Trichloroethene	10	5
	cis-1,2-Dichloroethylene	6	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA
MW-5	PCB	ND	0.09
	Tetrachloroethene	57	5
	Trichloroethene	19	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA
MW-7	PCB	ND	0.09
	Tetrachloroethene	13	5
	Trichloroethene	6.4	5
	1,1-Dichloroethane	7.5	5
	cis-1,2-Dichloroethylene	9.3	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA
MW-3	PCB	ND	0.09
	Tetrachloroethene	11	5
	Trichloroethene	13	5
	1,1-Dichloroethane	6.6	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA
MW-8	PCB	ND	0.09
	Tetrachloroethene	8.2	5
	Trichloroethene	56	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA
MW-6	PCB	ND	0.09
	Tetrachloroethene	150	5
	Trichloroethene	7.1	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA
MW-10	PCB(Aroclor 1248)	2.38	0.09
	Tetrachloroethene	10	5
	Trichloroethene	17	5
	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.5	5
	cis-1,2-Dichloroethylene	5.1	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA
MW-9	PCB	ND	0.09
	Tetrachloroethene	5.7	5
	Trichloroethene	20	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA
MW-1	PCB	ND	0.09
	Tetrachloroethene	5	5
	Trichloroethene	14	5

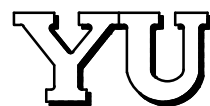
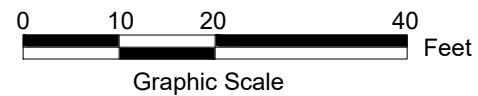
Legend:



As-Built Monitoring Well
Locations/Groundwater
Injection Locations

Note:

- The base map is from the Cellar Plan for 131-05 Fowler Avenue Development prepared by MY Architect PC on February 14, 2016.



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GROUNDWATER SAMPLE RESULTS FOR 1ST QUARTER
131-05 & 131-15 FOWLER AVENUE

SITE ID: C241161

QUEENS

FLUSHING

NEW YORK

JOB NO.: 14164	SCALE: As Shown	DATE: 12/13/2017	FIG. 1
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3rd Round Groundwater Sampling 2018

Table 1
Groundwater Analytical Results Summary for 3rd Quarter of 2018
131-05 131-15 Fowler Avenue, Queens, New York
Project No. 14164

Sample ID Sampling Date Client Matrix		NYSDEC TOGS Standards and Guidance Values - GA	MW-1 7/11/2018 Water	MW-2 7/11/2018 Water	MW-3 7/11/2018 Water	MW-4 7/11/2018 Water	MW-5 7/11/2018 Water	MW-6 7/11/2018 Water	MW-7 7/11/2018 Water	MW-8 7/11/2018 Water
Compound	CAS Number	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Volatile Organics, 8260 Halogenated - Low Level										
1,1,1,2-Tetrachloroethane	630-20-6	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	71-55-6	5	ND	0.48J	0.22J	ND	ND	0.49J	0.23	0.37J
1,1,2,2-Tetrachloroethane	79-34-5	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	5	1	1.8	1.3	ND	ND	0.99	ND	0.99
1,1,2-Trichloroethane	79-00-5	1	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	2.1	7.1	4.1	1	ND	6.6	3.7	2.4
1,1-Dichloroethylene	75-35-4	5	0.8	3	1.9	ND	ND	2.4	0.82	0.82
1,1-Dichloropropylene	563-58-6	5	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5	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
1,2,4-Trichlorobenzene	120-82-1	5	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
1,2-Dichlorobenzene	95-50-1	3	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	107-06-2	0.6	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5	1	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	3	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	142-28-9	5	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	3	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	594-20-7	5	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	95-49-8	5	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	106-43-4	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	74-97-5	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	56-23-5	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75-00-3	5	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	0.3J	0.44J	0.63	0.23J	0.23J	0.53	0.36J	0.29J
Chloromethane	74-87-3	5	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	156-59-2	5	1.4	2.5	3.8	2.7	2.4	2.9	54	2.9
cis-1,3-Dichloropropylene	10061-01-5	0.4	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1	50	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75-71-8	5	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	87-68-3	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	75-09-2	5	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	127-18-4	5	4.8	19	18	11	88	120	15	7.9
trans-1,2-Dichloroethylene	156-60-5	5	ND	ND	0.22J	ND	ND	ND	1.7	ND
trans-1,3-Dichloropropylene	10061-02-6	0.4	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	79-01-6	5	15	2.8	4.8	17	14	9.1	18	27
Trichlorofluoromethane	75-69-4	5	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	75-01-4	2	ND	ND	ND	ND	ND	ND	ND	ND
Polychlorinated Biphenyls (PCB)										
Aroclor 1016	12674-11-2	~	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	~	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	~	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	53469-21-9	~	ND	ND	ND	ND	ND	ND	ND	ND

Table 1
Groundwater Analytical Results Summary for 3rd Quarter of 2018
131-05 131-15 Fowler Avenue, Queens, New York
Project No. 14164

Sample ID Sampling Date Client Matrix		NYSDEC TOGS Standards and Guidance Values - GA	MW-1 7/11/2018 Water	MW-2 7/11/2018 Water	MW-3 7/11/2018 Water	MW-4 7/11/2018 Water	MW-5 7/11/2018 Water	MW-6 7/11/2018 Water	MW-7 7/11/2018 Water	MW-8 7/11/2018 Water
Compound	CAS Number	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aroclor 1248	12672-29-6	~	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	~	ND	ND	ND	2.1	0.125	ND	ND	0.0663
Aroclor 1260	11096-82-5	~	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1336-36-3	0.09	ND	ND	ND	2.1	0.125	ND	ND	0.0663

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
 Shading indicates NYSDEC TOGS Guidance Value exceedance

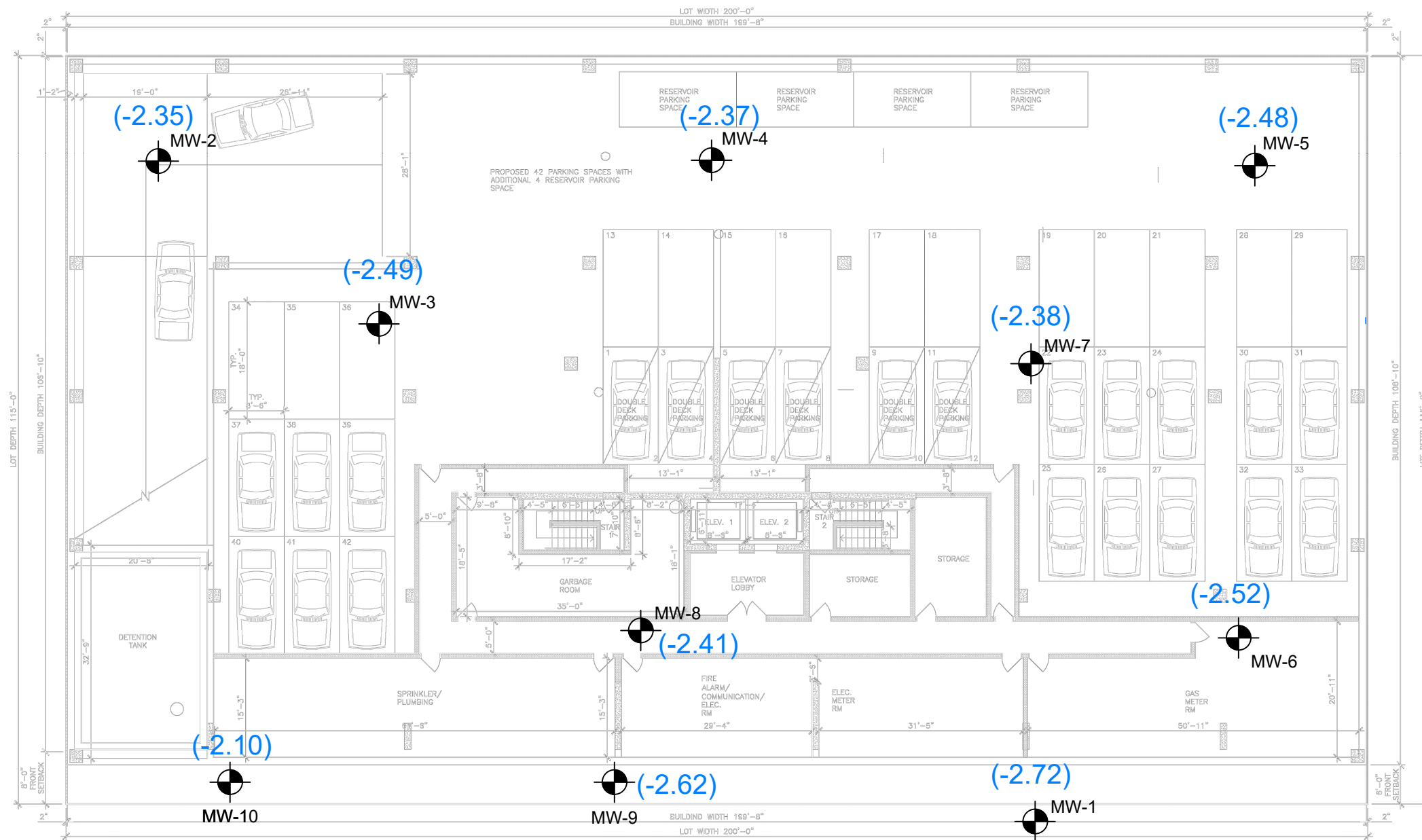
Table 1
Groundwater Analytical Results Summary for 3rd Quarter of 2018
131-05 131-15 Fowler Avenue, Queens, New York
Project No. 14164

Sample ID Sampling Date Client Matrix		NYSDEC TOGS Standards and Guidance Values - GA	MW-9 7/11/2018 Water	MW-10 7/11/2018 Water	MW-60 7/11/2018 Water	EB071118 7/11/2018 Water	TB071118-1 7/11/2018 Water	TB071118-2 7/11/2018 Water	TB071118-3 7/11/2018 Water
Compound	CAS Number	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Volatile Organics, 8260 Halogenated - Low Level									
1,1,1,2-Tetrachloroethane	630-20-6	5	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	71-55-6	5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	79-34-5	5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	5	ND	2.3	2.4	ND	ND	ND	ND
1,1,2-Trichloroethane	79-00-5	1	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	75-35-4	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropylene	563-58-6	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	96-18-4	0.04	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	95-50-1	3	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	107-06-2	0.6	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5	1	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	3	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	142-28-9	5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	3	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	594-20-7	5	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	95-49-8	5	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	106-43-4	5	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	74-97-5	5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	0.39	1.5	1.6	ND	ND	ND	ND
Carbon tetrachloride	56-23-5	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75-00-3	5	ND	ND	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	6.3	20	22	ND	ND	ND	ND
Chloromethane	74-87-3	5	ND	ND	0.54	ND	ND	ND	ND
cis-1,2-Dichloroethylene	156-59-2	5	1.6	2.7	2.6	ND	ND	ND	ND
cis-1,3-Dichloropropylene	10061-01-5	0.4	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1	50	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75-71-8	5	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	87-68-3	0.5	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	75-09-2	5	ND	ND	ND	1.1J	1	1	ND
Tetrachloroethylene	127-18-4	5	2.8	3	3.2	ND	ND	ND	ND
trans-1,2-Dichloroethylene	156-60-5	5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropylene	10061-02-6	0.4	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	79-01-6	5	5.1	14	14	ND	ND	ND	ND
Trichlorofluoromethane	75-69-4	5	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	75-01-4	2	ND	ND	ND	ND	ND	ND	ND
Polychlorinated Biphenyls (PCB)									
Aroclor 1016	12674-11-2	~	ND	ND	ND	ND	NA	NA	NA
Aroclor 1221	11104-28-2	~	ND	ND	ND	ND	NA	NA	NA
Aroclor 1232	11141-16-5	~	ND	ND	ND	ND	NA	NA	NA
Aroclor 1242	53469-21-9	~	ND	ND	ND	ND	NA	NA	NA

Table 1
Groundwater Analytical Results Summary for 3rd Quarter of 2018
131-05 131-15 Fowler Avenue, Queens, New York
Project No. 14164

Sample ID Sampling Date Client Matrix		NYSDEC TOGS Standards and Guidance Values - GA	MW-9 7/11/2018 Water	MW-10 7/11/2018 Water	MW-60 7/11/2018 Water	EB071118 7/11/2018 Water	TB071118-1 7/11/2018 Water	TB071118-2 7/11/2018 Water	TB071118-3 7/11/2018 Water
Compound	CAS Number	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aroclor 1248	12672-29-6	~	ND	ND	ND	ND	NA	NA	NA
Aroclor 1254	11097-69-1	~	2.06	2.9	3.24	ND	NA	NA	NA
Aroclor 1260	11096-82-5	~	ND	ND	ND	ND	NA	NA	NA
Total PCBs	1336-36-3	0.09	2.06	2.9	3.24	ND	NA	NA	NA

Key
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - d
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
Shading indicates NYSDEC TOGS Guidance Value



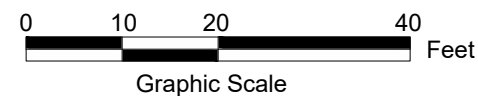
LEGEND:

MW-X AS-BUILT MONITORING WELL LOCATIONS/GROUNDWATER INJECTION LOCATIONS

(-2.48) GROUNDWATER ELEVATION (FEET)

NOTE:

1. THE BASE MAP IS FROM THE CELLAR PLAN FOR 131-05 FOWLER AVENUE DEVELOPMENT PREPARED BY MY ARCHITECT PC ON FEBRUARY 14, 2016.
2. ALL THE ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. THE SURVEY INFORMATION IS COLLECTED BY PERFECT POINT LAND SURVEYING ON APRIL 26, 2018.
4. THE GROUNDWATER FLOW DIRECTION IS INCONCLUSIVE BASED ON GAUGING INFORMATION.



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GROUNDWATER ELEVATION CONTOUR MAP
131-05 & 131-15 FOWLER AVENUE
SITE ID: C241161
QUEENS

FLUSHING

NEW YORK

JOB NO.: 14164	SCALE: As Shown	DATE: 07/24/2018	FIG. 2
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4th Round Groundwater Sampling 2018

Table 1
Groundwater Analytical Results Summary for 4th Quarter of 2018
131-05 & 131-15 Fowler Avenue, Queens, New York
Project No. 14164

Sample ID		NYSDEC TOGS Standards and Guidance Values - GA	MW-1 10/18/2018 Water	MW-51 (MW-1 Duplicate) 10/18/2018 Water	MW-2 10/18/2018 Water	MW-3 10/18/2018 Water	MW-4 10/18/2018 Water	MW-5 10/18/2018 Water	MW-6 10/18/2018 Water
Sampling Date									
Client Matrix									
Compound	CAS Number	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
1,1,1-Trichloroethane	71-55-6	5	ND	ND	0.23 J	0.21 J	ND	ND	ND
1,1,2,2-Tetrachloroethane	79-34-5	5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	5	1.33	1.23	0.36 J	0.62	ND	ND	0.27 J
1,1,2-Trichloroethane	79-00-5	1	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	1.25	1.22	6.19	3.99	1.14	ND	2.38
1,1-Dichloroethylene	75-35-4	5	0.44 J	0.42 J	2.53	1.28	ND	ND	0.9
1,1-Dichloropropylene	563-58-6	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	96-18-4	0.04	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	95-50-1	3	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	107-06-2	0.6	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5	1	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	3	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	142-28-9	5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	3	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	594-20-7	5	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	95-49-8	5	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	106-43-4	5	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	74-97-5	5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	56-23-5	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75-00-3	5	ND	ND	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	2.14	2.13	0.78	0.64	0.21 J	0.5	0.49 J
Chloromethane	74-87-3	5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	156-59-2	5	1.4	1.3	1.6	3.51	1.88	3.81	2.11
cis-1,3-Dichloropropylene	10061-01-5	0.4	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1	50	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75-71-8	5	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	87-68-3	0.5	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	75-09-2	5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	127-18-4	5	3.72	3.51	13.9	10.5	7.9	27.1	115
trans-1,2-Dichloroethylene	156-60-5	5	ND	ND	ND	0.22 J	ND	0.21 J	ND
trans-1,3-Dichloropropylene	10061-02-6	0.4	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	79-01-6	5	10.3	10	2	5.55	13.2	17.8	8.22
Trichlorofluoromethane	75-69-4	5	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	75-01-4	2	ND	ND	ND	ND	ND	ND	ND
Polychlorinated Biphenyls (PCB)									
Aroclor 1016	12674-11-2	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	53469-21-9	~	ND	ND	ND	ND	ND	ND	ND

Table 1
Groundwater Analytical Results Summary for 4th Quarter of 2018
131-05 & 131-15 Fowler Avenue, Queens, New York
Project No. 14164

Sample ID		NYSDEC TOGS Standards and Guidance Values - GA	MW-1 10/18/2018 Water	MW-51 (MW-1 Duplicate) 10/18/2018 Water	MW-2 10/18/2018 Water	MW-3 10/18/2018 Water	MW-4 10/18/2018 Water	MW-5 10/18/2018 Water	MW-6 10/18/2018 Water
Sampling Date									
Client Matrix									
Compound	CAS Number	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aroclor 1248	12672-29-6	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	~	ND	ND	ND	ND	1.28	ND	ND
Aroclor 1260	11096-82-5	~	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1336-36-3	0.09	ND	ND	ND	ND	1.28	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
Shading indicates NYSDEC TOGS Guidance Value exceedance

Table 1
Groundwater Analytical Results Summary for 4th Quarter of 2018
131-05 & 131-15 Fowler Avenue, Queens, New York
Project No. 14164

Sample ID		NYSDEC TOGS Standards and Guidance Values - GA	MW-7 10/18/2018 Water	MW-8 10/18/2018 Water	MW-9 10/18/2018 Water	MW-10 10/18/2018 Water	TB-10182018 10/18/2018 Water	TB-10182018-2 10/18/2018 Water	EB-10182018 10/18/2018 Water
Sampling Date Client Matrix	CAS Number	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
1,1,1-Trichloroethane	71-55-6	5	ND	0.35 J	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	79-34-5	5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	5	ND	0.48 J	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	79-00-5	1	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	1.64	2.3	ND	ND	ND	ND	ND
1,1-Dichloroethylene	75-35-4	5	0.23 J	0.64	ND	ND	ND	ND	ND
1,1-Dichloropropylene	563-58-6	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	96-18-4	0.04	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	95-50-1	3	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	107-06-2	0.6	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5	1	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	3	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	142-28-9	5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	3	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	594-20-7	5	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	95-49-8	5	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	106-43-4	5	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	74-97-5	5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	2	ND	ND	ND	ND
Carbon tetrachloride	56-23-5	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	5	0.21 J	ND	ND	ND	ND	ND	ND
Chloroethane	75-00-3	5	ND	ND	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	0.53	0.35 J	34	0.73	ND	ND	ND
Chloromethane	74-87-3	5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	156-59-2	5	53.2	2.06	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene	10061-01-5	0.4	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1	50	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75-71-8	5	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	87-68-3	0.5	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	75-09-2	5	ND	ND	ND	ND	ND	ND	1
Tetrachloroethylene	127-18-4	5	12.8	6.33	ND	0.34 J	ND	ND	ND
trans-1,2-Dichloroethylene	156-60-5	5	1.42	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropylene	10061-02-6	0.4	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	79-01-6	5	10.3	8.34	0.92	1.9	ND	ND	ND
Trichlorofluoromethane	75-69-4	5	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	75-01-4	2	ND	ND	ND	ND	ND	ND	ND
Polychlorinated Biphenyls (PCB)									
Aroclor 1016	12674-11-2	~	ND	ND	ND	ND	NA	NA	ND
Aroclor 1221	11104-28-2	~	ND	ND	ND	ND	NA	NA	ND
Aroclor 1232	11141-16-5	~	ND	ND	ND	ND	NA	NA	ND
Aroclor 1242	53469-21-9	~	ND	ND	ND	ND	NA	NA	ND

Table 1
Groundwater Analytical Results Summary for 4th Quarter of 2018
131-05 & 131-15 Fowler Avenue, Queens, New York
Project No. 14164

Sample ID		NYSDEC TOGS Standards and Guidance Values - GA	MW-7 10/18/2018 Water	MW-8 10/18/2018 Water	MW-9 10/18/2018 Water	MW-10 10/18/2018 Water	TB-10182018 10/18/2018 Water	TB-10182018-2 10/18/2018 Water	EB-10182018 10/18/2018 Water
Sampling Date									
Client Matrix									
Compound	CAS Number	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aroclor 1248	12672-29-6	~	ND	ND	ND	ND	NA	NA	ND
Aroclor 1254	11097-69-1	~	ND	ND	3.24	3.06	NA	NA	ND
Aroclor 1260	11096-82-5	~	ND	ND	ND	ND	NA	NA	ND
Total PCBs	1336-36-3	0.09	ND	ND	3.24	3.06	NA	NA	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
Shading indicates NYSDEC TOGS Guidance Value exceedance

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
MW-2	PCB	ND	0.09
	Tetrachloroethene	13.9	5
	Trichloroethene	2	5
	1,1-Dichloroethane	6.19	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
MW-4	PCB	1.28	0.09
	Tetrachloroethene	7.9	5
	Trichloroethene	13.2	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
MW-5	PCB	ND	0.09
	Tetrachloroethene	27.1	5
	Trichloroethene	17.8	5

Legend:



AS-BUILT MONITORING WELL
LOCATIONS/GROUNDWATER
INJECTION LOCATIONS

Note:

1. THE BASE MAP IS FROM THE CELLAR PLAN FOR 131-05 DOWLER AVENUE DEVELOPMENT PREPARED BY MY ARCHITECT PC ON FEBRUARY 14, 2016.
2. FLAG 'J' INDICATES ANALYTE DETECTED AT OR ABOVE THE METHOD DETECTED LIMIT BUT BELOW THE REPORTING LIMIT-DATA IS ESTIMATED

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
MW-3	PCB	ND	0.09
	Tetrachloroethene	10.5	5
	Trichloroethene	5.55	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
MW-8	PCB	ND	0.09
	Tetrachloroethene	6.33	5
	Trichloroethene	8.34	5

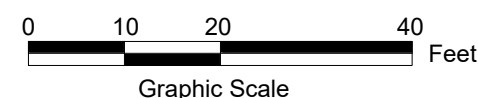
Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
MW-7	PCB	ND	0.09
	Tetrachloroethene	12.8	5
	Trichloroethene	10.3	5
	cis-1,2-Dichloroethylene	53.2	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
MW-6	PCB	ND	0.09
	Tetrachloroethene	115	5
	Trichloroethene	8.22	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
MW-10	PCB	3.06	0.09
	Tetrachloroethene	0.34 J	5
	Trichloroethene	1.9	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
MW-9	PCB	3.24	0.09
	Tetrachloroethene	ND	5
	Trichloroethene	0.92	5
	Chloroform	34	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
MW-1	PCB	ND	0.09
	Tetrachloroethene	3.72	5
	Trichloroethene	10.3	5



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GROUNDWATER SAMPLE RESULTS FOR 4TH QUARTER
131-05 & 131-15 FOWLER AVENUE
SITE ID: C241161
QUEENS

FLUSHING

NEW YORK

JOB NO.: 14164 SCALE: As Shown DATE: 10/29/2018 FIG. 1

1st Round Groundwater Sampling 2019

Table 1
Groundwater Analytical Results Summary for 1st Quarter of 2019
131-05 & 131-15 Fowler Avenue, Queens, New York
Project No. 14164

Sample ID		NYSDEC TOGS Standards and Guidance Values - GA	MW-1 1/23/2019 Water	MW-51 (MW-1 Duplicate) 1/23/2019 Water	MW-2 1/23/2019 Water	MW-3 1/23/2019 Water	MW-4 1/23/2019 Water	MW-5 1/23/2019 Water	MW-6 1/23/2019 Water
Sampling Date									
Client Matrix									
Compound	CAS Number	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
1,1,1-Trichloroethane	71-55-6	5	0.26 J	ND	ND	0.32 J	ND	ND	ND
1,1,2,2-Tetrachloroethane	79-34-5	5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	5	0.98	0.68	0.72	0.57	ND	ND	ND
1,1,2-Trichloroethane	79-00-5	1	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	2.92	1.35	2.24	8.15	1.75	ND	1.79
1,1-Dichloroethylene	75-35-4	5	0.72	0.49 J	1.09	2.94	ND	ND	0.68
1,1-Dichloropropylene	563-58-6	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	96-18-4	0.04	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	95-50-1	3	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	107-06-2	0.6	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5	1	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	3	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	142-28-9	5	ND	ND	ND	ND	p	ND	ND
1,4-Dichlorobenzene	106-46-7	3	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	594-20-7	5	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	95-49-8	5	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	106-43-4	5	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	74-97-5	5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	56-23-5	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75-00-3	5	ND	ND	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	0.97	1.3	0.55	0.59	0.35 J	0.41 J	0.45 J
Chloromethane	74-87-3	5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	156-59-2	5	1.83	1.04	2.37	2.06	3.01	6.53	1.81
cis-1,3-Dichloropropylene	10061-01-5	0.4	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1	50	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75-71-8	5	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	87-68-3	0.5	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	75-09-2	5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	127-18-4	5	4.97	2.99	15.8	11.6	13.8	19.1	83.6
trans-1,2-Dichloroethylene	156-60-5	5	ND	ND	ND	ND	ND	0.34 J	ND
trans-1,3-Dichloropropylene	10061-02-6	0.4	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	79-01-6	5	9.58	6.46	1.92	3.65	14.5	11.7	6.77
Trichlorofluoromethane	75-69-4	5	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	75-01-4	2	ND	ND	ND	ND	ND	ND	ND
Polychlorinated Biphenyls (PCB)									
Aroclor 1016	12674-11-2	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	~	ND	ND	ND	ND	ND	ND	ND

Table 1
Groundwater Analytical Results Summary for 1st Quarter of 2019
131-05 & 131-15 Fowler Avenue, Queens, New York
Project No. 14164

Sample ID		NYSDEC TOGS Standards and Guidance Values - GA	MW-1 1/23/2019 Water	MW-51 (MW-1 Duplicate) 1/23/2019 Water	MW-2 1/23/2019 Water	MW-3 1/23/2019 Water	MW-4 1/23/2019 Water	MW-5 1/23/2019 Water	MW-6 1/23/2019 Water
Client Matrix									
Compound	CAS Number	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aroclor 1242	53469-21-9	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	12672-29-6	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	~	ND	ND	ND	ND	ND	0.0716	ND
Aroclor 1260	11096-82-5	~	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1336-36-3	0.09	ND	ND	ND	ND	ND	0.0716	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
Shading indicates NYSDEC TOGS Guidance Value exceedance

Table 1
Groundwater Analytical Results Summary for 1st Quarter of 2019
131-05 & 131-15 Fowler Avenue, Queens, New York
Project No. 14164

Sample ID		NYSDEC TOGS Standards and Guidance Values - GA	MW-7	MW-8	MW-9	MW-10	EB-012319	TB-012319
Sampling Date			1/23/2019	1/23/2019	1/23/2019	1/23/2019	1/23/2019	1/23/2019
Client Matrix			Water	Water	Water	Water	Water	Water
Compound	CAS Number	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
1,1,1-Trichloroethane	71-55-6	5	ND	0.32 J	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	79-34-5	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	5	ND	0.96	ND	ND	ND	ND
1,1,2-Trichloroethane	79-00-5	1	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	1.81	3.29	ND	ND	ND	ND
1,1-Dichloroethylene	75-35-4	5	ND	1.11	ND	ND	ND	ND
1,1-Dichloropropylene	563-58-6	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	96-18-4	0.04	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	95-50-1	3	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	107-06-2	0.6	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5	1	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	3	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	142-28-9	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	3	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	594-20-7	5	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	95-49-8	5	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	106-43-4	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	74-97-5	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	56-23-5	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND	ND
Chloroethane	75-00-3	5	ND	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	0.35 J	0.37 J	4.13	0.87	ND	ND
Chloromethane	74-87-3	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	156-59-2	5	35.5	2.7	ND	ND	ND	ND
cis-1,3-Dichloropropylene	10061-01-5	0.4	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1	50	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75-71-8	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	87-68-3	0.5	ND	ND	ND	ND	ND	ND
Methylene chloride	75-09-2	5	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	127-18-4	5	10.7	8.22	ND	ND	ND	ND
trans-1,2-Dichloroethylene	156-60-5	5	0.8	ND	ND	ND	ND	ND
trans-1,3-Dichloropropylene	10061-02-6	0.4	ND	ND	ND	ND	ND	ND
Trichloroethylene	79-01-6	5	7.75	5.38	2.65	0.51	ND	ND
Trichlorofluoromethane	75-69-4	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	75-01-4	2	ND	ND	ND	ND	ND	ND
Polychlorinated Biphenyls (PCB)								
Aroclor 1016	12674-11-2	~	ND	ND	ND	ND	ND	NA
Aroclor 1221	11104-28-2	~	ND	ND	ND	ND	ND	NA
Aroclor 1232	11141-16-5	~	ND	ND	ND	ND	ND	NA

Table 1
Groundwater Analytical Results Summary for 1st Quarter of 2019
131-05 & 131-15 Fowler Avenue, Queens, New York
Project No. 14164

Sample ID		NYSDEC TOGS Standards and Guidance Values - GA	MW-7	MW-8	MW-9	MW-10	EB-012319	TB-012319
Sampling Date			1/23/2019	1/23/2019	1/23/2019	1/23/2019	1/23/2019	1/23/2019
Client Matrix			Water	Water	Water	Water	Water	Water
Compound	CAS Number	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aroclor 1242	53469-21-9	~	ND	ND	ND	ND	ND	NA
Aroclor 1248	12672-29-6	~	ND	ND	ND	ND	ND	NA
Aroclor 1254	11097-69-1	~	ND	ND	ND	2.25	ND	NA
Aroclor 1260	11096-82-5	~	ND	ND	ND	ND	ND	NA
Total PCBs	1336-36-3	0.09	ND	ND	ND	2.25	ND	NA

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
Shading indicates NYSDEC TOGS Guidance Value exceedance

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
MW-2	PCB	ND	0.09
	Tetrachloroethene	15.8	5
	Trichloroethene	1.92	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
MW-4	PCB	ND	0.09
	Tetrachloroethene	13.8	5
	Trichloroethene	14.5	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
MW-5	PCB	0.0716	0.09
	Tetrachloroethene	19.1	5
	Trichloroethene	11.7	5
	cis-1,2-Dichloroethy	6.53	5

Legend:



AS-BUILT MONITORING WELL
LOCATIONS/GROUNDWATER
INJECTION LOCATIONS

Note:

1. THE BASE MAP IS FROM THE CELLAR PLAN FOR 131-05 DOWLER AVENUE DEVELOPMENT PREPARED BY MY ARCHITECT PC ON FEBRUARY 14, 2016.

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
MW-3	PCB	ND	0.09
	Tetrachloroethene	11.6	5
	Trichloroethene	3.65	5
	1,1-Dichloroethane	8.15	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
MW-8	PCB	ND	0.09
	Tetrachloroethene	8.22	5
	Trichloroethene	5.38	5

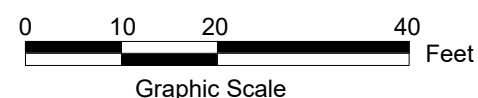
Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
MW-7	PCB	ND	0.09
	Tetrachloroethene	10.7	5
	Trichloroethene	7.75	5
	cis-1,2-Dichloroethylene	35.5	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
MW-6	PCB	ND	0.09
	Tetrachloroethene	83.6	5
	Trichloroethene	6.77	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
MW-10	PCB	2.25	0.09
	Tetrachloroethene	ND	5
	Trichloroethene	0.51	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
MW-9	PCB	ND	0.09
	Tetrachloroethene	ND	5
	Trichloroethene	2.65	5

Sample ID	Analyte	Concentration (µg/l)	TOGS-GA (µg/l)
MW-1	PCB	ND	0.09
	Tetrachloroethene	4.97	5
	Trichloroethene	9.58	5



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GROUNDWATER SAMPLE RESULTS FOR 1ST QUARTER OF 2019

131-05 & 131-15 FOWLER AVENUE
SITE ID: C241161
QUEENS

FLUSHING

NEW YORK

JOB NO.: 14164 SCALE: As Shown DATE: 01/31/2019 FIG. 1

2nd Round Groundwater Sampling 2019

Table 1
Groundwater ANalytical Results Summary for 2nd Quarter of 2019
131-05 131-15 Fowler Avenue, Queens, New York
Project No. 14164

Sample ID Sampling Date Sample Matrix		NYSDEC TOGS Standards and Guidance Values - GA	MW-1 4/11/2019 Water	MW-51 4/11/2019 Water	MW-2 4/11/2019 Water	MW-3 4/11/2019 Water	MW-4 4/11/2019 Water	MW-5 4/11/2019 Water	MW-6 4/11/2019 Water
Compound	CAS Number	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
1,1,1-Trichloroethane	71-55-6	5	0.24J	0.21J	ND	ND	ND	ND	0.34J
1,1,2,2-Tetrachloroethane	79-34-5	5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	5	1.520	1.390	1.080	0.28J	ND	ND	ND
1,1,2-Trichloroethane	79-00-5	1	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	2.700	2.580	1.660	2.330	0.980	ND	5.860
1,1-Dichloroethylene	75-35-4	5	0.950	0.900	0.920	0.900	ND	ND	2
1,1-Dichloropropylene	563-58-6	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	96-18-4	0.04	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	95-50-1	3	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	107-06-2	0.6	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5	1	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	3	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	142-28-9	5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	3	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	594-20-7	5	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	95-49-8	5	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	106-43-4	5	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	74-97-5	5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	56-23-5	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75-00-3	5	ND	ND	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	0.750	0.750	0.620	0.880	0.25J	0.610	0.600
Chloromethane	74-87-3	5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	156-59-2	5	2.500	2.380	3.230	8.27	2.850	10.6	2.650
cis-1,3-Dichloropropylene	10061-01-5	0.4	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1	50	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75-71-8	5	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	87-68-3	0.5	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	75-09-2	5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	127-18-4	5	5.74	5.76	17.8	14.2	6.95	25.1	124
trans-1,2-Dichloroethylene	156-60-5	5	ND	ND	ND	0.710	ND	0.580	ND
trans-1,3-Dichloropropylene	10061-02-6	0.4	ND	D	ND	ND	ND	ND	ND
Trichloroethylene	79-01-6	5	9.54	9.1	3.100	8.28	12.9	7.13	8.13
Trichlorofluoromethane	75-69-4	5	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	75-01-4	2	ND	ND	ND	ND	ND	ND	ND
Polychlorinated Biphenyls (PCB)									
Aroclor 1016	12674-11-2	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	~	ND	ND	ND	ND	ND	ND	ND

Table 1
Groundwater ANalytical Results Summary for 2nd Quarter of 2019
131-05 131-15 Fowler Avenue, Queens, New York
Project No. 14164

Aroclor 1242	53469-21-9	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	12672-29-6	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	~	ND	ND	ND	ND	ND	0.183	ND
Aroclor 1260	11096-82-5	~	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1336-36-3	0.09	ND	ND	ND	ND	ND	0.183	ND

Table 1
Groundwater ANalytical Results Summary for 2nd Quarter of 2019
131-05 131-15 Fowler Avenue, Queens, New York
Project No. 14164

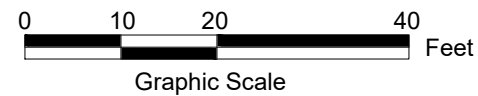
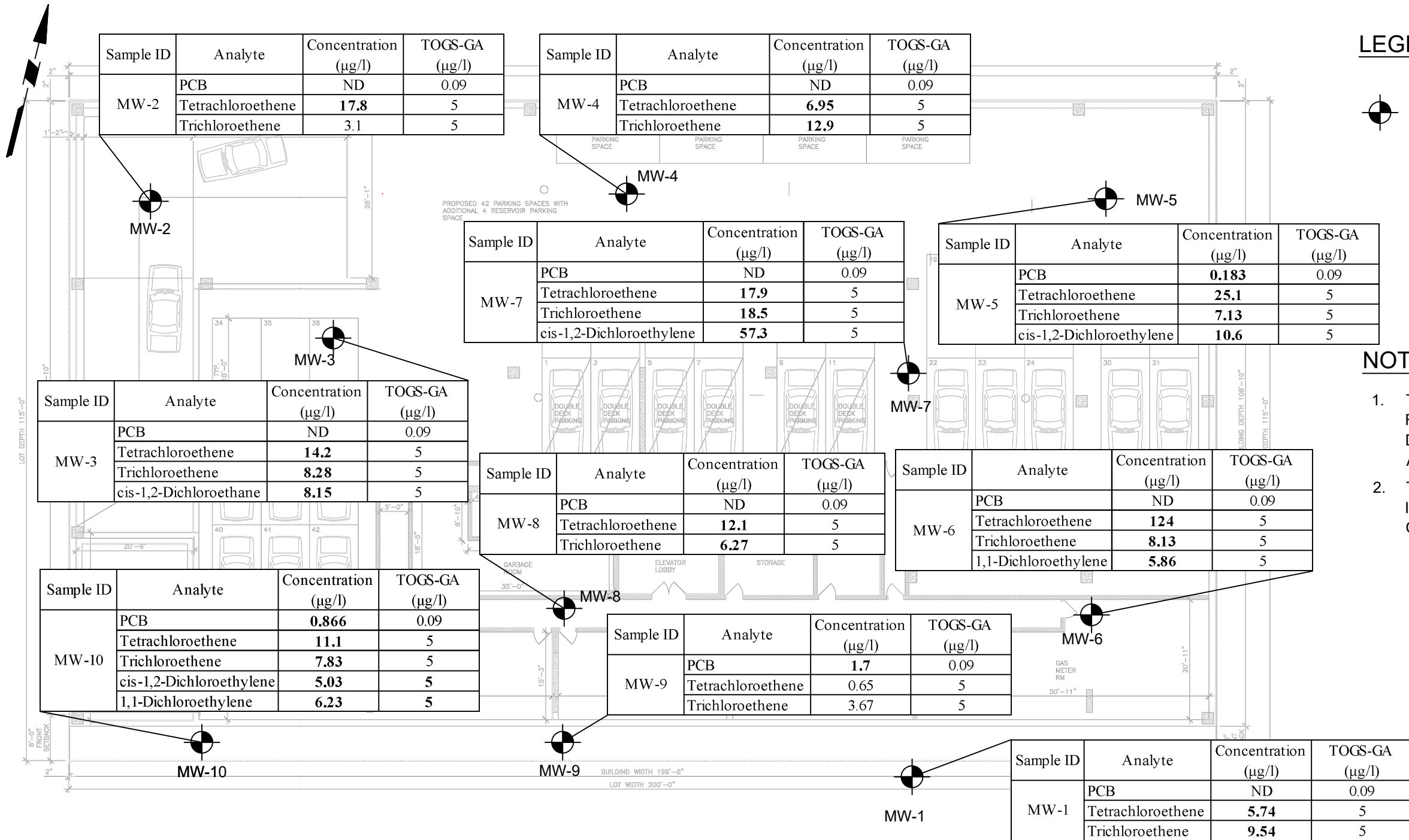
Sample ID Sampling Date Sample Matrix		NYSDEC TOGS Standards and Guidance Values - GA	MW-7 4/11/2019 Water	MW-8 4/11/2019 Water	MW-9 4/11/2019 Water	MW-10 4/11/2019 Water	EB041119 4/11/2019 Water	TB041119 4/11/2019 Water
Compound	CAS Number	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOA, 8260 LOW MASTER								
1,1,1,2-Tetrachloroethane	630-20-6	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	71-55-6	5	ND	0.31J	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	79-34-5	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	5	ND	2.250	0.41J	6.230	ND	ND
1,1,2-Trichloroethane	79-00-5	1	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	3.460	4.360	ND	4.350	ND	ND
1,1-Dichloroethylene	75-35-4	5	0.750	1.820	ND	1.040	ND	ND
1,1-Dichloropropylene	563-58-6	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	96-18-4	0.04	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	95-50-1	3	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	107-06-2	0.6	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5	1	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	3	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	142-28-9	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	3	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	594-20-7	5	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	95-49-8	5	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	106-43-4	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	74-97-5	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	56-23-5	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND	ND
Chloroethane	75-00-3	5	ND	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	0.510	0.38J	3.420	0.22J	ND	ND
Chloromethane	74-87-3	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	156-59-2	5	57.3	3.270	0.540	5.03	ND	ND
cis-1,3-Dichloropropylene	10061-01-5	0.4	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1	50	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75-71-8	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	87-68-3	0.5	ND	ND	ND	ND	ND	ND
Methylene chloride	75-09-2	5	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	127-18-4	5	17.9	12.1	0.650	11.1	ND	ND
trans-1,2-Dichloroethylene	156-60-5	5	1.750	ND	ND	ND	ND	ND
trans-1,3-Dichloropropylene	10061-02-6	0.4	ND	ND	ND	ND	ND	ND
Trichloroethylene	79-01-6	5	18.5	6.27	3.670	7.83	ND	ND
Trichlorofluoromethane	75-69-4	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	75-01-4	2	ND	ND	ND	ND	ND	ND
Polychlorinated Biphenyls (PCB)								
Aroclor 1016	12674-11-2	~	ND	ND	ND	ND	ND	NA
Aroclor 1221	11104-28-2	~	ND	ND	ND	ND	ND	NA
Aroclor 1232	11141-16-5	~	ND	ND	ND	ND	ND	NA

Table 1
Groundwater ANalytical Results Summary for 2nd Quarter of 2019
131-05 131-15 Fowler Avenue, Queens, New York
Project No. 14164

Aroclor 1242	53469-21-9	~	ND	ND	ND	ND	ND	NA
Aroclor 1248	12672-29-6	~	ND	ND	ND	ND	ND	NA
Aroclor 1254	11097-69-1	~	ND	ND	1.700	0.866	ND	NA
Aroclor 1260	11096-82-5	~	ND	ND	ND	ND	ND	NA
Total PCBs	1336-36-3	0.09	ND	ND	1.7	0.866	ND	NA

Key
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limi
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

P:\14\14164 131-05 Fowler Ave\Environmental\O&M\2019\2nd Round Groundwater Sampling 2019\DWG\ Groundwater Sample Exceedance Map.dwg Apr 25, 2019 - 11:38am chang



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GROUNDWATER SAMPLE RESULTS MAP
FOR 2ND QUARTER OF 2019
131-05 & 131-15 FOWLER AVENUE
SITE ID: C241161
QUEENS

FLUSHING NEW YORK
JOB NO.: 14164 SCALE: AS SHOWN DATE: 4/18/2019 FIG. 1

3rd Round Groundwater Sampling 2019

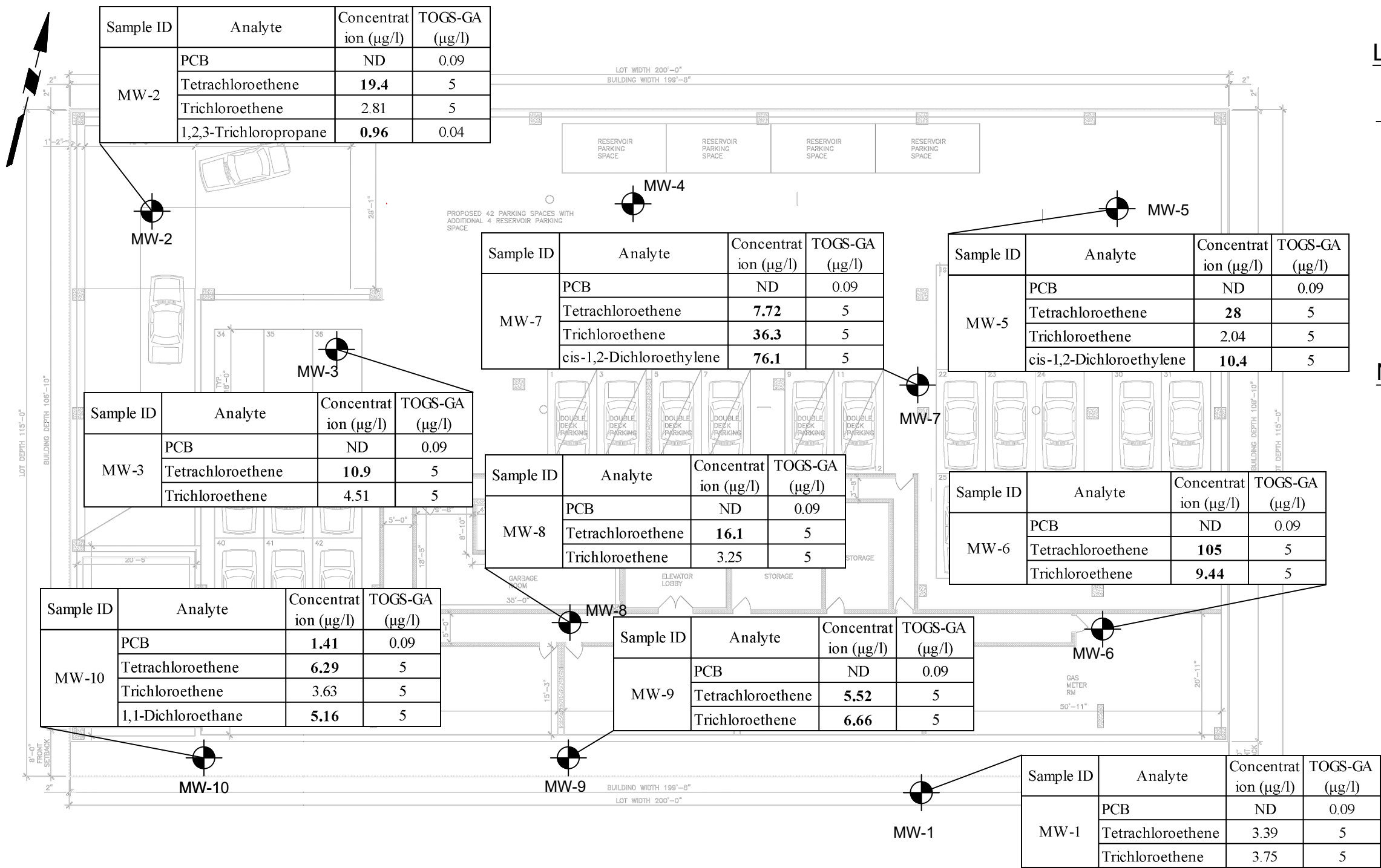
Table 1
Groundwater Analytical Results Summary for 3rd Quarter of 2019
131-05 & 131-15 Fowler Avenue, Queens, New York
Project No.14164

Sample ID		NYSDEC TOGS	MW-1	MW-51	MW-2	MW-3	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	EB092619	TB092619
Sampling Date		Standards and	9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019
Client Matrix		Guidance Values - GA	Water	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	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	ND
1,1,1-Trichloroethane	71-55-6	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.29 J	ND	ND
1,1,2,2-Tetrachloroethane	79-34-5	5	ND	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	0.59	0.61	0.57	ND	ND	ND	ND	0.49 J	4.32	4.14	ND	ND
1,1,2-Trichloroethane	79-00-5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	1.15	1.32	0.84	0.45 J	ND	0.64	0.52	4.46	0.73	5.16	ND	ND
1,1-Dichloroethylene	75-35-4	5	0.43 J	0.52	0.5	ND	ND	0.3 J	ND	2.05	0.24 J	1.08	ND	ND
1,1-Dichloropropylene	563-58-6	5	ND	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	ND
1,2,3-Trichloropropane	96-18-4	0.04	ND	ND	0.96	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	ND
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND	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	ND
1,2-Dichloroethane	107-06-2	0.6	ND	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	ND
1,3-Dichlorobenzene	541-73-1	3	ND	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	ND
1,4-Dichlorobenzene	106-46-7	3	ND	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	ND
2-Chlorotoluene	95-49-8	5	ND	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	ND
Bromochloromethane	74-97-5	5	ND	ND	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	ND	ND
Carbon tetrachloride	56-23-5	5	ND	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	ND
Chloroethane	75-00-3	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	0.3 J	0.32 J	0.39 J	0.52	0.31 J	0.47 J	ND	0.33 J	0.56	ND	ND	ND
Chloromethane	74-87-3	5	0.8	0.53	0.32 J	0.75	1.2	0.35 J	0.62	0.56	0.34 J	0.4 J	0.49 J	0.45 J
cis-1,2-Dichloroethylene	156-59-2	5	1.06	1.2	2.55	4.51	10.4	2.43	76.1	1.94	3.3	3.28	ND	ND
cis-1,3-Dichloropropylene	10061-01-5	0.4	ND	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	ND
Dichlorodifluoromethane	75-71-8	5	ND	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	ND
Methylene chloride	75-09-2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	127-18-4	5	3.39	3.86	19.4	10.9	28	105	7.72	16.1	5.52	6.29	ND	ND
trans-1,2-Dichloroethylene	156-60-5	5	ND	ND	ND	0.35 J	0.61	ND	2.52	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	ND
Trichloroethylene	79-01-6	5	3.75	3.64	2.81	4.51	2.04	9.44	36.3	3.25	6.66	3.63	ND	ND
Trichlorofluoromethane	75-69-4	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1
Groundwater Analytical Results Summary for 3rd Quarter of 2019
131-05 & 131-15 Fowler Avenue, Queens, New York
Project No.14164

Sample ID		NYSDEC TOGS Standards and Guidance Values - GA (ug/L)	MW-1	MW-51	MW-2	MW-3	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	EB092619	TB092619
Sampling Date			9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019	9/26/2019
Client Matrix			Water	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	ug/L
Vinyl Chloride	75-01-4	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Polychlorinated Biphenyls (PCB)														
Aroclor 1016	12674-11-2	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.41	ND	NA
Aroclor 1221	11104-28-2	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Aroclor 1232	11141-16-5	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Aroclor 1242	53469-21-9	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Aroclor 1248	12672-29-6	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Aroclor 1254	11097-69-1	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Aroclor 1260	11096-82-5	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Total PCBs	1336-36-3	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.41	ND	NA

P:\14\14164 131-05 Fowler Ave\Environmental\O&M\2019\3rd Round Groundwater Sampling 2019.dwg Oct 11, 2019 - 4:03pm hluo



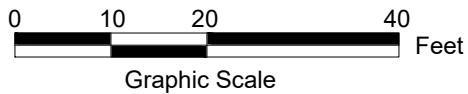
LEGEND:



AS-BUILT MONITORING WELL
LOCATIONS/GROUNDWATER
INJECTION LOCATIONS

NOTE:

1. THE BASE MAP IS FROM THE CELLAR PLAN FOR 131-05 FOWLER AVENUE DEVELOPMENT PREPARED BY MY ARCHITECT PC ON FEBRUARY 14, 2016.
2. THE ELEVATION DATA FOR MW-8 WAS IGNORED DURING GENERATION OF CONTOUR MAP



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GROUNDWATER SAMPLE RESULTS MAP
FOR 3RD QUARTER OF 2019
131-05 & 131-15 FOWLER AVENUE
SITE ID: C241161
QUEENS

FLUSHING

NEW YORK

JOB NO.: 14164

SCALE: AS SHOWN

DATE: 10/11/2019

FIG.

1