GALLAGHER BASSETT | TECHNICAL SERVICES

PERIODIC REVIEW REPORT

GDC-LIC DEVELOPMENT SITE

NYSDEC BCP ID: C241172

45-25 11th Street & 11-22 45th Road

Long Island City, Queens County, New York

May 28, 2020 (revised July 17, 2020)

GBTS File: GQ14076

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May 28, 2020 (revised July 17, 2020)

GBTS File: GQ14076

Prepared By:

Gallagher Bassett Technical Services
22 IBM Road – Suite 101
Poughkeepsie, New York 12601

Prepared For:

GDC-LIC Owner, LLC
245 Saw Mill River Road
Hawthorne, New York 10532

The undersigned has reviewed this Periodic Review Report and certifies to GDC-LIC Owner, LLC and to the New York State Department of Environmental Conservation (NYSDEC) that the information provided in this document is accurate as of the date of issuance by this office.

James Blaney, CHMM	July 17, 2020	
Qualified Environmental Professional	Date	Signature

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

(a) the institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by DER;
(b) nothing has occurred that would impair the ability of such control to protect public health and the environment;
(c) nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control; and
(d) access to the site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of this control.

Philip Bell, P.E	Aug. 5, 2020	
Professional Engineer	Date	Signature

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APPENDICES

1.0 INTRODUCTION

1.1 Purpose

This Periodic Review Report (PRR), prepared by Gallagher Bassett Technical Services (GBTS), details on-going site management activities at the GDC-LIC Development Site ("Site"), which entered the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) in July 2015 (BCP ID: C241172). The Site is located at 45-25 11th Street and 11-22 45th Road, Long Island City, Queens County, New York. Site figures are presented in Appendix A. The Reporting Period is April 21, 2019 to April 21, 2020.

1.2 Site Description

The site (1.15 acre) is located in Long Island City, Queens, New York and is bounded by 45th Road and an adjoining residential apartment building to the north, 46th Avenue to the south, a commercial building to the east, and 11th Street to the west. The Site is an active construction site, which will contain 38 four-story residential units when completed (the foundations for all structures, as well as an inner, common, courtyard area, occupy the entirety of the property). The Site layout is depicted on Figure 1 and photographs are provided in Appendix D.

2.0 BACKGROUND

2.1 Site History and Investigations

Prior to the current development activities, the Site formerly contained two commercial buildings (constructed circa 1948 to 1952), which were historically used for warehousing and manufacturing, including electrical manufacturing and/or repair of electronic equipment. Environmental investigations (summarized in the Remedial Investigation Report, November 2015) documented elevated concentrations of organic and inorganic compounds in both soil and groundwater, and elevated concentrations of VOCs in soil vapor. No significant pesticide or PCB contamination was found. Based on the presence of floating non-aqueous phase liquid (NAPL) in a monitoring well, spill No. 14-09327 was reported to the NYSDEC in December 2014.

2.2 Remediation Activities

The Site was remediated in accordance with a NYSDEC-approved Remedial Action Work Plan (RAWP) from May through November, 2016, the spill file was closed and a Final Engineering Report was issued in December 2016. The remedial action included the following components:

- Removal of two known petroleum storage tanks (both tanks were found to be intact, with no evidence of any releases);
- Excavation and removal of approximately 15,800 tons of urban fill soils for development purposes;
- Excavation and removal of approximately 670 tons of deeper petroleum-contaminated soil in the northern-central portion of the Site (defined as "Hot Spot #1"), including smear-

zone and saturated soils where NAPL had been identified, and 305 tons of a distinct deeper volume of saturated soils containing elevated concentrations of arsenic and petroleum compounds;

- Application of an oxygen release compound (PermeOx® Ultra) at the base of the Hot Spot #1 excavation, in order to enhance aerobic bioremediation of any residual petroleum contamination in both soil and groundwater;
- Injection of a two-part chemical oxidant (RegenOx®) and an oxygen release compound (ORC Advanced®) at the northwestern corner of the Site, in an area of documented naphthalene contamination (defined as "Hot Spot #2"). Note: Excavation and removal of soil in this area, as specified in the RAWP, was not practical due to the depth of the planned excavation near the sidewalk, and approval was secured from NYSDEC to utilize an in situ treatment;
- The RAWP calls for the installation of a cover system, to prevent exposure to remaining contamination in soil/fill at the site, consisting of: a minimum of two feet of approved clean cover materials (soil or stone) in the backyards, common courtyard and landscape areas; concrete-covered sidewalks; and concrete building slabs. As of the PRR reporting period, the permanent cover system has been completed throughout the site; and,
- Installation of a vapor barrier and sub-slab depressurization (SSD) system components beneath each new townhouse foundation, and sub-slab soil vapor testing to document existing conditions. Note: NYSDEC and NYSDOH do not consider a vapor barrier to be mitigation for soil vapor intrusion and therefore it is not an engineering control.

2.3 Remedial Action Objectives

The remedial action objectives (RAOs) for the Site, as specified in the Remedial Action Work Plan, address protection of the environment and public health. The RAOs include removal of sources of contamination and prevent migration of residual contaminants in order to diminish existing groundwater contamination and prevent any additional contamination, restoration of the ground water aquifer to pre-disposal/pre-release conditions as possible, and prevention of human exposures via direct contact, ingestion and/or inhalation, or through vapor intrusion.

3.0 COMPLIANCE WITH SITE MANAGEMENT PLAN

Compliance with the Site Management Plan (SMP), which specifies requirements for Engineering Controls (ECs), Institutional Controls (ICs), groundwater monitoring, and installation and operation of the sub-slab depressurization systems (SSDS) at each Site building, is summarized below. A site-wide inspection form completed by GBTS (Appendix C) documents the annual inspection of the existing ECs, and the completed NYSDEC EC/ICs Certification Form is provided in Appendix E.

3.1 Engineering Controls

Engineering controls (ECs) have been put into place in order to manage remaining on-site contamination. These ECs at the Site consist of a cover system and passive sub-slab vapor interceptor systems at each structure (not completed as of the date of this PRR).

3.1.1 Cover System

Exposure to remaining contamination in soil/fill is prevented by a soil cover system placed over the Site (see Figure 2). The planned cover system, presented in the RAWP as a minimum of 2 feet of clean soil in the backyards, common courtyard and landscape areas, concrete-covered sidewalks, and concrete building slabs, had not been fully completed as of the date of the Final Engineering Report. Temporary cover measures were approved by NYSDEC during a conference call on November 14, 2016. Concrete slabs have since been poured at all residential buildings (units 113 through 130 fronting 46th Avenue, 131 through 133 138 fronting 11th Street, and 139 through 150 fronting 45th Road), establishing the permanent cover system at the Site.

An approved, temporary cover consisting of 1.5 +/- feet of crushed stone had been placed in a 1,000 SF portion of the far western side of the central courtyard, behind proposed units 134 and 135 (where a construction ramp was recently removed) and at the base of building units 134 and 135. Material used as the temporary cover has been excavated and removed from the Site. The concrete basement slab at unit 134 was inspected by GBTS during the inspection on May 5, 2020, and was noted to be free of holes, cracks, vegetation, or physical deficiencies.

The cover system was disturbed in December 2019 and January 2020 at the exterior courtyard to repair drainage piping. The handling of the excavated cover and underlying materials, return of materials to proper subsurface locations following the repair activities, and restoration of the demarcation layer and cover system, was observed under environmental oversight by GBTS personnel and the Remedial Engineer.

NYSDEC approved the importation of additional clean cover materials, including 3/4” virgin stone from a permitted quarry and native fill material, via email on January 7 and January 15, 2020, respectively. Materials were placed in the courtyard area to increase final grades (all materials were placed on top of the existing cover, above the demarcation layer). Placement of this material resulted in a final cover exceeding 2 feet.

The cover system was observed at multiple dates throughout the reporting period during groundwater sampling events and excavation activities requiring remedial oversight, and a final inspection of the cover system was completed on May 5, 2020. The cover system was observed to be in good condition at the time of the inspection and no significant cracks, vegetation between cracks, ponding of surface water or surface depressions were noted. Photographs of cover system at the Site are presented as Appendix D.

3.1.2 Sub-slab Vapor Interceptor System

SSDS Design and Construction

Vapor interceptor systems were installed beneath each unit during development to prevent soil vapor intrusion (see Figure 3). Each system is comprised of a passive SSDS and an approximately 46 mil vapor barrier, underlying a 6-inch concrete slab. All elements are considered necessary to ensure that any vapors accumulating beneath the structures do not enter occupied spaces. Building basement slabs were constructed in close proximity to the static groundwater level and the SSDS may be non-functional when water levels temporarily rise (e.g., during severe storm events).

Each SSDS was constructed with a series of horizontal, perforated PVC piping beneath the vapor barrier, which will later be plumbed to a non-perforated vertical riser extending through the building slab. At the completion of building construction, each residential unit will be completed with a passive SSDS powered by a roof-mounted wind turbine (as approved by NYSDEC on October 25, 2017).

GBTS has performed visual inspections of the visible sections of SSDS piping at multiple dates throughout the reporting period, with the most recent inspection on May 5, 2020. With the exception of unit 134, which is not yet constructed, each unit has been confirmed that the riser pipe extends from the basement through to the roof. Wind turbines have been installed at units 139 through 150 along 45th Road. Final sign-off of the SSDS will be performed by the Remedial Engineer at the completion of relevant construction activities, which will include confirmation that all system components have been properly installed, and that rooftop turbines have free movement of the blades.

SSDS Operations and Maintenance Plan

The SMP includes an Operation and Maintenance Plan (OMP) governing the measures necessary to operate, monitor and maintain the SSDS at each residential building. Based on initial testing conducted following completion of the concrete slabs, NYSDEC and NYSDOH granted approval to operate these EC components as passive systems (utilizing wind-driven turbines rather than electric fans).

SSDS operation and maintenance requires inspection of all visible system components for verification of proper installation following completion of construction, periodic routine inspections, and non-routine maintenance if system components become inoperable, or if the building has undergone modifications that may reduce the effectiveness of the system (e.g., changes to HVAC).

Site-wide inspection of the SSDS is to be performed for the first two years of operation by a qualified environmental professional/engineer and documented in the Periodic Review Report. Site personnel are required to maintain the roof-top turbines according to the manufacturer's operation manual, removing any materials that block the riser discharge point on the roof, and repair of any damage to system components.

Emergency conditions or unusual events that damage or substantially alter the building foundation, riser piping or roof-top components (severe flooding, impacts to exposed piping that result in cracks, etc.) should be reported to Site management within 48 hours of discovery. Damage to system components should be evaluated and repaired under the supervision of a qualified environmental professional/engineer and be reported to NYSDEC.

The Remedial Engineer has inspected the SSDS components throughout the construction period and has confirmed the proper installation of all components completed to date; no other OMP activities have been completed since the systems are not operational. Based on current and expected future as-built conditions, all SSDS components are expected to perform as expected and meet the applicable RAOs for soil vapor. The existing OMP is consider sufficient for the planned systems.

3.2 Institutional Controls

A series of ICs have been put into place to: (1) implement, maintain and monitor EC systems; (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 uses only. Adherence to these ICs on the Site is required by the Environmental Easement (EE) and will be implemented under the SMP. These ICs are:

- The property may be used for restricted residential use;
- All ECs must be operated and maintained as specified in this SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP.
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the New York City Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department.
- Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
- Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the EE.

- The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries, and any potential impacts that are identified must be monitored or mitigated; and
- Vegetable gardens and farming on the site are prohibited.

The ICs for the Site are being properly implemented and are effective for protecting human health and the environment. The Site is currently undergoing re-development for residential use, consistent with the selected remedy. Groundwater is not in use and no gardens or farms are present. All ECs are being operated and maintained as specified in the approved SMP. Previous site activities (see Section 3.1.1, Cover System), which resulted in the disturbance of residual contaminated material below the demarcation layer, were conducted in accordance with the SMP and under the oversight of the Remedial Engineer, and the cover system was fully restored and properly inspected.

3.3 Groundwater Monitoring

The SMP requires ongoing groundwater monitoring to document the effectiveness of the completed remedial action. Post- remediation groundwater sampling was conducted prior to the reporting period in April and August 2018, and March 2019. Groundwater was sampled during the reporting period in June and September 2019, and January and May 2020.

Data Usability Summary Reports (DUSRs) in accordance with DER-10, Appendix 2B, are being prepared for groundwater data by a third, independent party, which maintains NYSDOH ELAP CLP Certification, and will be provided to NYSDEC under separate cover.

The findings and conclusions of the May 2020 Summary Report (inclusive of the January 2020 data) are presented below. The most recent groundwater data are summarized in Figure 4 and all historical post-remediation data are provided in Tables 1 and 2, Appendix B[1].

GBTS sampled four monitoring wells, installed at upgradient and cross-gradient sidewalk areas, on May 5, 2020 (see Figure 4 for well locations). [Note: 2MW-02 could not be sampled due to active construction activities in close proximity to the well]. Groundwater monitoring data indicate the following:

- VOCs have not been found at concentrations above AWQS during any sampling events, with the exception of slightly elevated chloroform (14 ppb) reported at 2MW-02 during the first sampling round in April 2018. No notable petroleum concentrations are found at 2MW-02 to 2MW-04, generally downgradient from former Hot Spot locations.

1 With the approval of NYSDEC, sampling for metals was discontinued after April 2018 based on an absence of arsenic or other significant metal concentrations, and laboratory analysis for SVOCs has been restricted PAHs only since June 2019.

- Low-grade contamination by cyclohexane and methylcyclohexane (AWQS not established) has decreased significantly at 2MW-01 and 2MW-05 when compared to initial post-remediation sampling rounds and concentrations of these VOCs have remained below 5 ppb over the last year. These wells are respectively located cross-gradient and somewhat cross-gradient from the areas of soil remediation and in situ treatment.
- Low-grade contamination by PAHs continues to be present at 2MW-02.

The absence of significant concentrations of petroleum compounds in groundwater support the conclusion that site remediation efforts have substantially met the remedial objectives for the GDC LIC Development Site. Low-grade methylcyclohexane and cyclohexane impacts, which appear to have stabilized below 5 ppb, may be related to contamination originating at the Site (potentially as a result of materials mobilized during remedial excavations) and/or from an off-site source.

Contamination by PAHs is not present at levels warranting a response action, and is consistent with contributions from both urban fill materials and likely poor-quality regional groundwater conditions.

3.4 Effectiveness of Remedial Activities

The effectiveness of the remedial activities in meeting the remedial goal (redevelopment of the site while protecting human health and the environment) is measured through on-going monitoring of the condition of the on-site cover system and off-site groundwater monitoring at adjoining sidewalks, as required in the SMP. Once Site construction has been completed, an OM&M Plan will be implemented for the SSDS installed at each residential unit.

The cover system and visible sections of passive SSDS piping were observed to be in good condition during the site inspection. With the exception of the passive SSDS, where function is directly dependent on final completion of the buildings and installation of the roof wind turbines, all ECs are implemented at the Site in compliance with the SMP, and are effective in protecting human health and the environment.

Post-remediation groundwater data, inclusive of the sampling results during the reporting period, indicate that the RAOs for environmental protection have been achieved to the extent practicable. Given the implementation of the ECs, and the presence of only low-grade PAH impacts in groundwater, the RAOs for protection of public health have been and will continue to be met.

Overall, the soil management and groundwater monitoring programs have been properly implemented and document sufficient compliance with the RAOs for the Site.

4.0 CONCLUSIONS

Visual inspection of the cover system confirms that this existing EC is in good condition and working properly. All ECs and ICs in place at the Site are in compliance with the SMP. Results from post-remediation groundwater monitoring indicate that site remediation efforts have substantially met the remedial objectives for the GDC LIC Development Site.

The Site ECs consist of a cover system and a passive SSDS installed at each building. During the site inspection, the cover system and visible sections of passive SSDS piping were observed to be in good condition. With the exception of the passive SSDS, where function is directly dependent on final completion of the buildings and installation of the roof wind turbines, all ECs are implemented at the Site in compliance with the SMP, and are effective in protecting human health and the environment.

Groundwater data since April 2018 document an absence of significant concentrations of petroleum compounds in groundwater, and low-grade methylcyclohexane and cyclohexane impacts appear to have stabilized below 5 ppb, supporting the conclusion that site remediation efforts have substantially met the remedial objectives for the GDC LIC Development Site. Persistent, low-level PAH impacts at 2MW-02 are not present at levels warranting a response action (contamination is consistent with contributions from both urban fill materials and/or poor-quality regional groundwater conditions). Based on the absence of significant off-site contamination, GBTS recommends that the SMP be revised to reduce the frequency of required groundwater sampling events to an annual basis.

The services summarized in this PRR were conducted in accordance with the approved NYSDEC Brownfields Program SMP, and are considered by GBTS to satisfy the requirements set forth in the SMP. The next report will be submitted by May 2021.

APPENDIX A

Figures

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Figure 1: Project Site Map

GDC LIC Development
NYSDEC BCP Site: C241172
45-35 11th Street and 11-22 45th Road
Queens, New York

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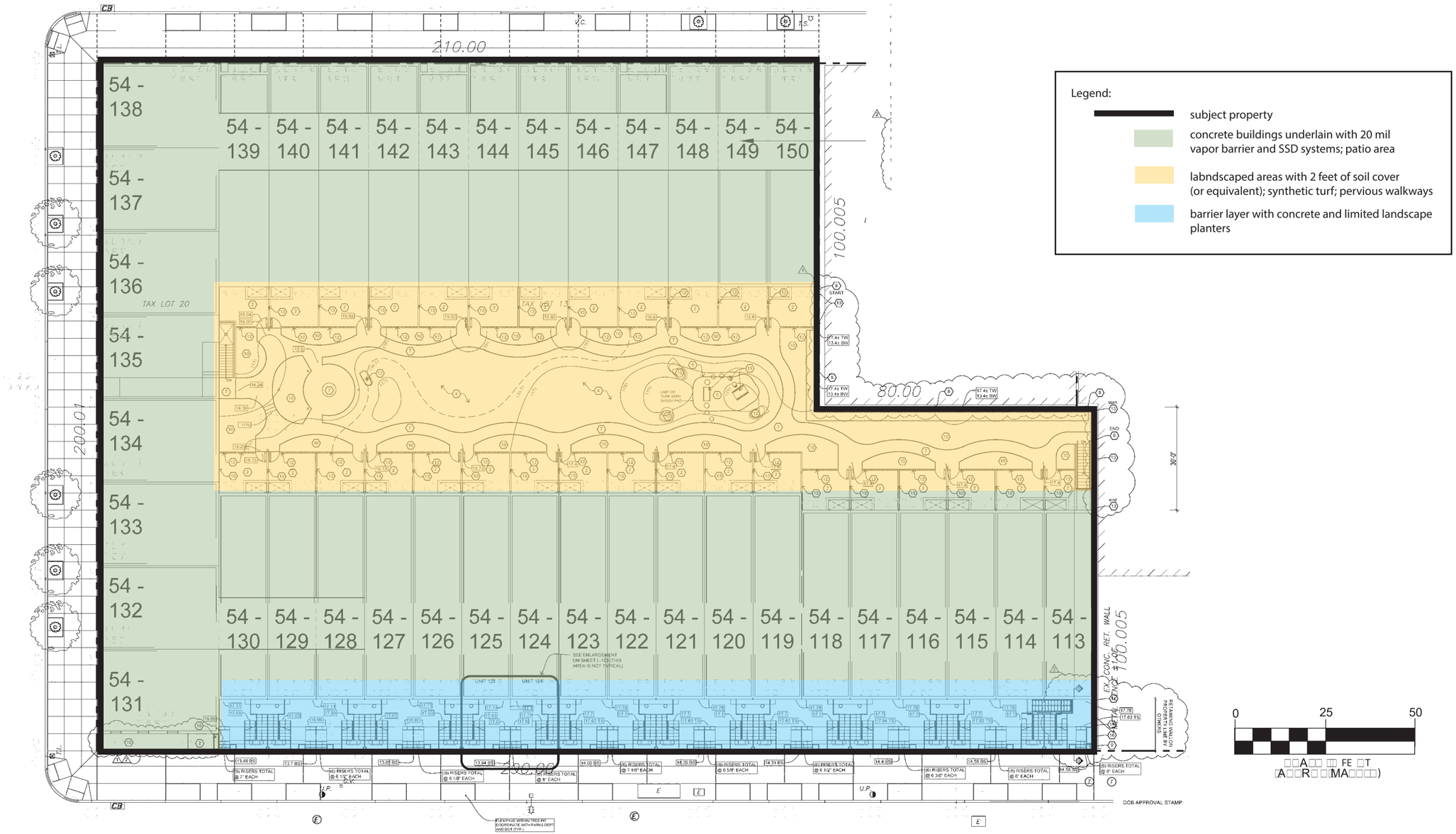

Legend:

- subject property
- concrete buildings underlain with 20 mil vapor barrier and SSD systems; patio area
- labndscaped areas with 2 feet of soil cover (or equivalent); synthetic turf; pervious walkways
- barrier layer with concrete and limited landscape planters

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Figure 2: Site Wide Cover System Plan

GDC LIC Development
NYSDEC BCP Site: C241172
45-35 11th Street and 11-22 45th Road
Queens, New York

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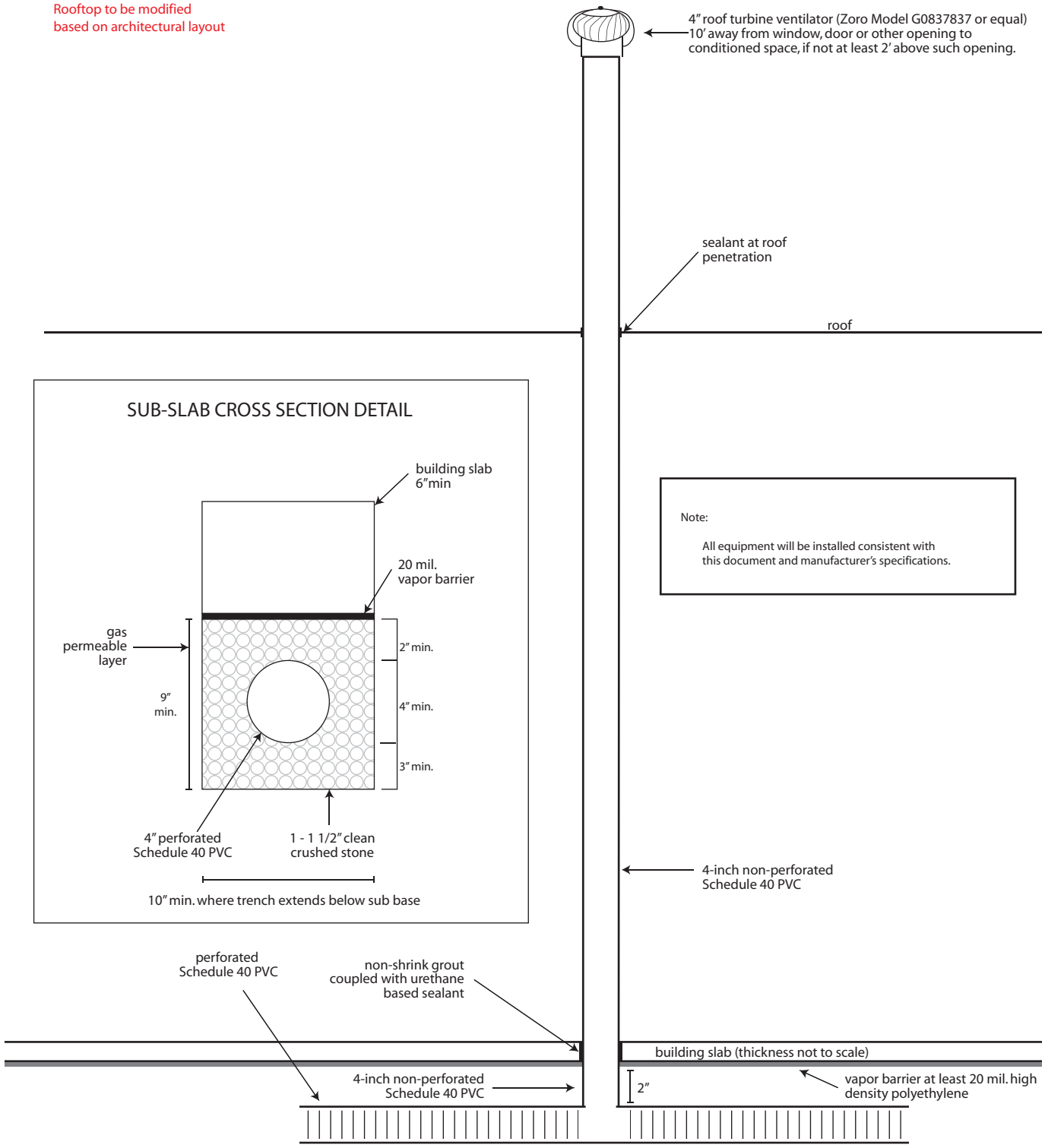
Figure 3 : Passive SSDS Layout

Ecosystems Strategies, Inc.

Rooftop to be modified
based on architectural layout



Sub-slab Depressurization System Schematic

45-35 11th Street and 11-22 45th Road
Queens, New York

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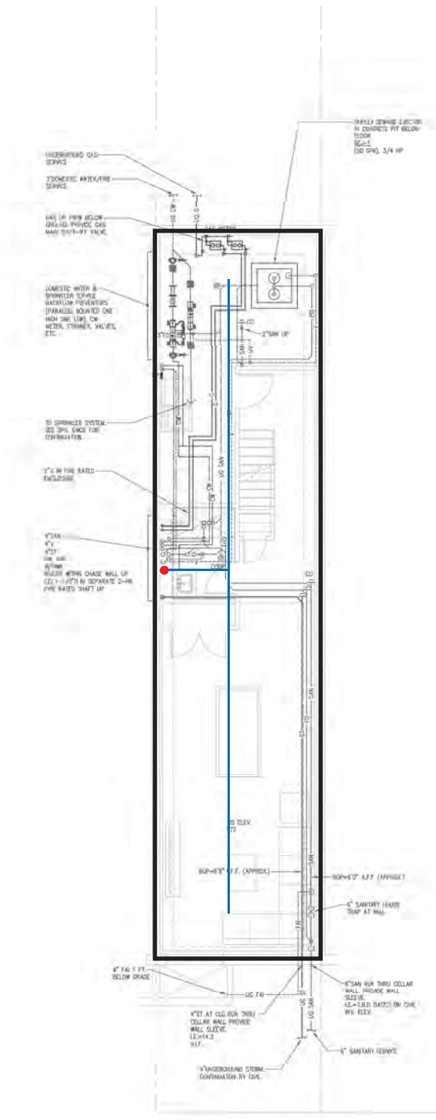
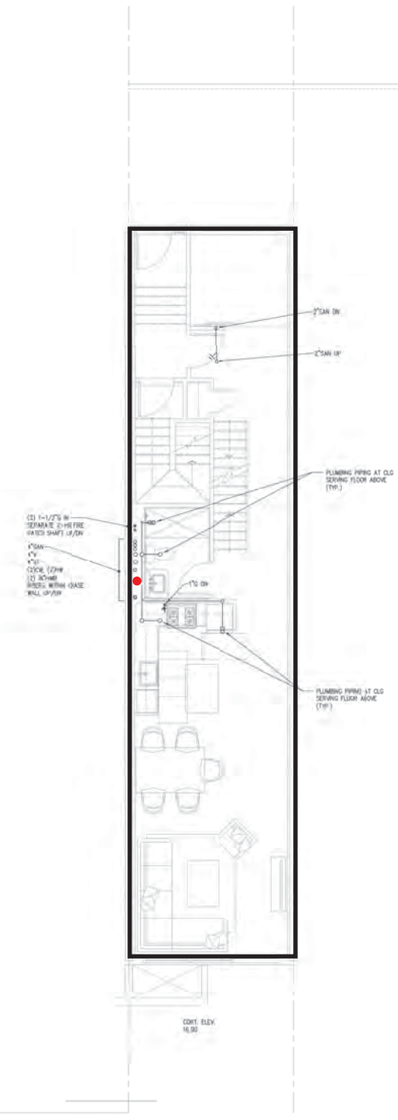
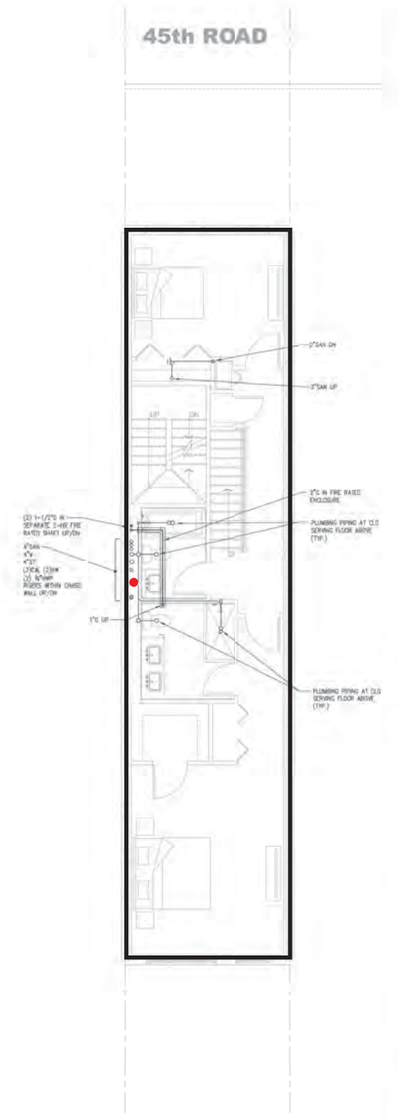


1 CELLAR FLOOR PLUMBING PLAN
Scale: 1/4" = 1'-0"



2 1ST FLOOR PLUMBING PLAN
Scale: 1/4" = 1'-0"



3 2ND FLOOR PLUMBING PLAN
Scale: 1/4" = 1'-0"

Base map provided by Glickman Engineering Associates, PLLC - P-101.00 dated 3-23-15

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Notes:

1) Sub-slab piping shall be installed at least two inches (2") below the vapor barrier. All sub-slab piping shall be wrapped in filter fabric (or comparable product) and covered with at least two inches (2") of 1- 1 ½" clean crushed stone.

2) Sub-slab piping shall be perforated four inch (4") ID Schedule 40 PVC, joined with appropriate primer/cement to be applied according to manufacturer's specifications. Piping shall be laid into the gas permeable layer with at least three inches (3") of 1- 1 ½" clean crushed stone below the piping as indicated in the drawings.

Anticipated subgrade piping requirements (per unit) are as follows:

- 75 linear feet of 4" PVC
- Two (2) 4" PVC caps for ends
- One (1) "T" connector
- One (1) "90" elbow
- Miscellaneous 4" couplings

3) Sub-slab piping shall be positively sloped (0.5%) to the riser pipe and follow the layout indicated in the drawings.

4) System piping slab penetration and vertical riser pipe to be non-perforated four inch (4") ID Schedule 40 PVC. All vertical piping should be installed in accordance with NYC building codes with appropriate pipe supports.

5) Riser pipe shall run from the system piping slab penetration along the specified chase to the roof level as indicated in the drawings.

6) Riser pipe terminations shall extend at least twelve inches (12") above the surface of the roof and at least ten feet (10') from any window, door, or other opening, and HVAC intakes, if not two (2') feet above such openings. The roof turbine ventilator shall be above the roof.

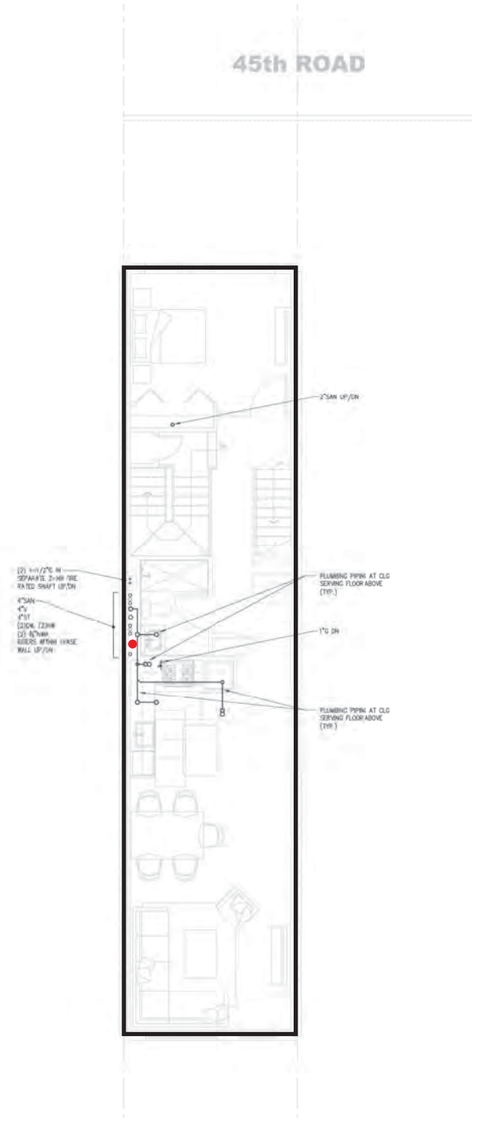
7) The General Contractor shall provide shop and coordination drawings for approval.

Legend:

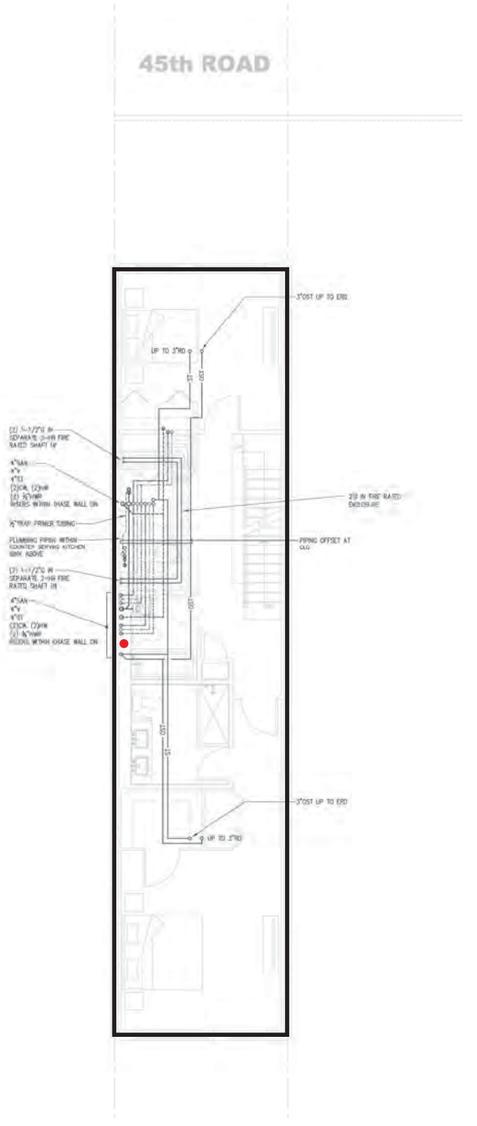
- SSDS piping
- Riser 4" Ø
- Building outline

SSDS Design - Cellar, First and Second Floor Plan
45th Road Building

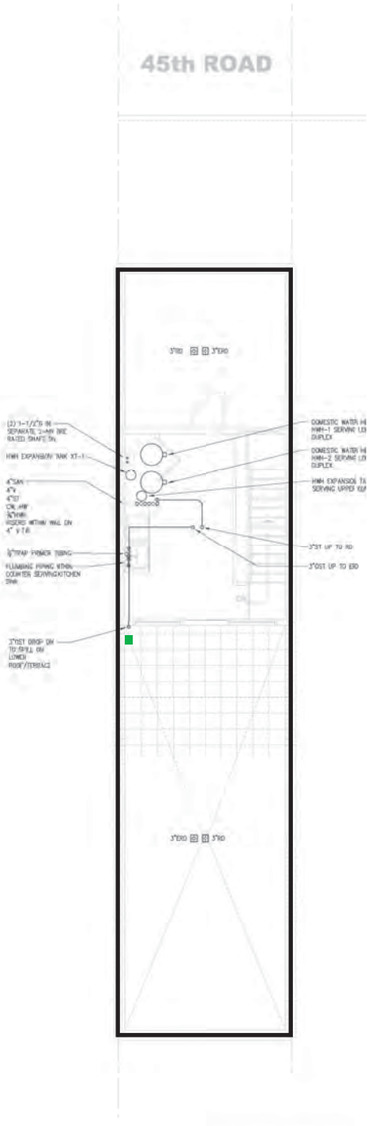
45-35 11th Street and 11-22 45th Road
Queens, New York



3RD FLOOR PLUMBING PLAN



4TH FLOOR PLUMBING PLAN



ROOF PENTHOUSE PLUMBING PLAN

Notes:

1) Sub-slab piping shall be installed at least two inches (2") below the vapor barrier. All sub-slab piping shall be wrapped in filter fabric (or comparable product) and covered with at least two inches (2") of 1- 1 ½" clean crushed stone.

2) Sub-slab piping shall be perforated four inch (4") ID Schedule 40 PVC, joined with appropriate primer/cement to be applied according to manufacturer's specifications. Piping shall be laid into the gas permeable layer with at least three inches (3") of 1- 1 ½" clean crushed stone below the piping as indicated in the drawings.

Anticipated subgrade piping requirements (per unit) are as follows:

- 75 linear feet of 4" PVC
- Two (2) 4" PVC caps for ends
- One (1) "T" connector
- One (1) "90" elbow
- Miscellaneous 4" couplings

3) Sub-slab piping shall be positively sloped (0.5%) to the riser pipe and follow the layout indicated in the drawings.

4) System piping slab penetration and vertical riser pipe to be non-perforated four inch (4") ID Schedule 40 PVC. All vertical piping should be installed in accordance with NYC building codes with appropriate pipe supports.

5) Riser pipe shall run from the system piping slab penetration along the specified chase to the roof level as indicated in the drawings.

6) Riser pipe terminations shall extend at least twelve inches (12") above the surface of the roof and at least ten feet (10') from any window, door, or other opening, and HVAC intakes, if not two (2') feet above such openings. The roof turbine ventilator shall be above the roof.

7) The General Contractor shall provide shop and coordination drawings for approval.

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Legend:
- building outline
- Riser 4" ∅
- Discharge Point

Base map provided by Glickman Engineering Associates, PLLC - P-102.00 dated 3-23-15

SSDS Design - Third, Fourth and Roof Penthouse Plan 45th Road Building

45-35 11th Street and 11-22 45th Road
Queens, New York

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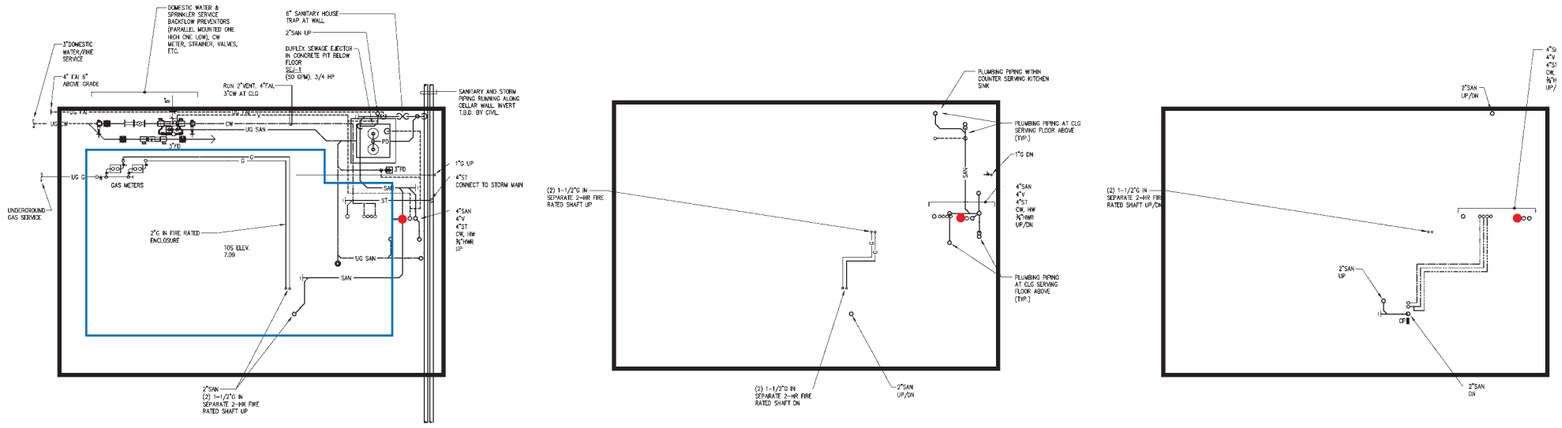

Notes:

1) Sub-slab piping shall be installed at least two inches (2") below the vapor barrier. All sub-slab piping shall be wrapped in filter fabric (or comparable product) and covered with at least two inches (2") of 1- 1 ½" clean crushed stone.

2) Sub-slab piping shall be perforated four inch (4") ID Schedule 40 PVC, joined with appropriate primer/cement to be applied according to manufacturer's specifications. Piping shall be laid into the gas permeable layer with at least three inches (3") of 1- 1 ½" clean crushed stone below the piping as indicated in the drawings.

Anticipated subgrade piping requirements (per unit) are as follows:

- 75 linear feet of 4" PVC
- Two (2) 4" PVC caps for ends
- One (1) "T" connector
- One (1) "90" elbow
- Miscellaneous 4" couplings

3) Sub-slab piping shall be positively sloped (0.5%) to the riser pipe and follow the layout indicated in the drawings.

4) System piping slab penetration and vertical riser pipe to be non-perforated four inch (4") ID Schedule 40 PVC. All vertical piping should be installed in accordance with NYC building codes with appropriate pipe supports.

5) Riser pipe shall run from the system piping slab penetration along the specified chase to the roof level as indicated in the drawings.

6) Riser pipe terminations shall extend at least twelve inches (12") above the surface of the roof and at least ten feet (10') from any window, door, or other opening, and HVAC intakes, if not two (2') feet above such openings. The roof turbine ventilator shall be above the roof.

7) The General Contractor shall provide shop and coordination drawings for approval.

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1 P-103 CELLAR FLOOR PLUMBING PLAN Scale: 1/4" = 1'-0"

2 P-103 1ST FLOOR PLUMBING PLAN Scale: 1/4" = 1'-0"

3 P-103 2ND FLOOR PLUMBING PLAN Scale: 1/4" = 1'-0"

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Legend:

- building outline
- SSDS piping
- Riser 4" Ø

Base map provided by Glickman Engineering Associates, PLLC - P-103.00 dated 3-23-15

SSDS Design - Cellar, First and Second Floor Plan
11-A Building

45-35 11th Street and 11-22 45th Road
Queens, New York

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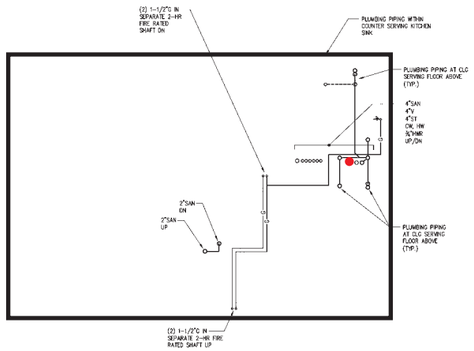

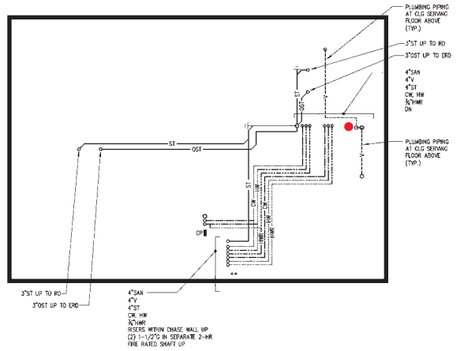

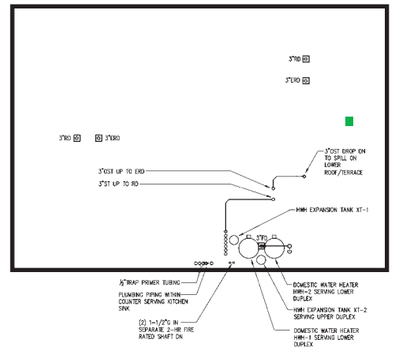

1 P-104 3RD FLOOR PLUMBING PLAN
Scale: 1/4" = 1'-0"

2 P-104 4TH FLOOR PLUMBING PLAN
Scale: 1/4" = 1'-0"

3 P-104 ROOF PENTHOUSE FLOOR PLUMBING PLAN
Scale: 1/4" = 1'-0"

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Base map provided by Glickman Engineering Associates, PLLC - P-104.00 dated 3-23-15

Notes:

1) Sub-slab piping shall be installed at least two inches (2") below the vapor barrier. All sub-slab piping shall be wrapped in filter fabric (or comparable product) and covered with at least two inches (2") of 1- 1 ½" clean crushed stone.

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7) The General Contractor shall provide shop and coordination drawings for approval.

Legend:
- building outline
- Riser 4" Ø
- Discharge Point

SSDS Design - Third, Fourth and Roof Penthouse Plan 11-A Building

45-35 11th Street and 11-22 45th Road
Queens, New York

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1 CELLAR FLOOR PLUMBING PLAN

2 1ST FLOOR PLUMBING PLAN

3 2ND FLOOR PLUMBING PLAN

Notes:

1) Sub-slab piping shall be installed at least two inches (2") below the vapor barrier. All sub-slab piping shall be wrapped in filter fabric (or comparable product) and covered with at least two inches (2") of 1- 1 ½" clean crushed stone.

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Legend:

- building outline
- SSDS piping
- Riser 4" Ø

Base map provided by Glickman Engineering Associates, PLLC - P-108.00 dated 3-23-15

SSDS Design - Cellar, First and Second Floor Plan
46th Avenue Building

45-35 11th Street and 11-22 45th Road
Queens, New York

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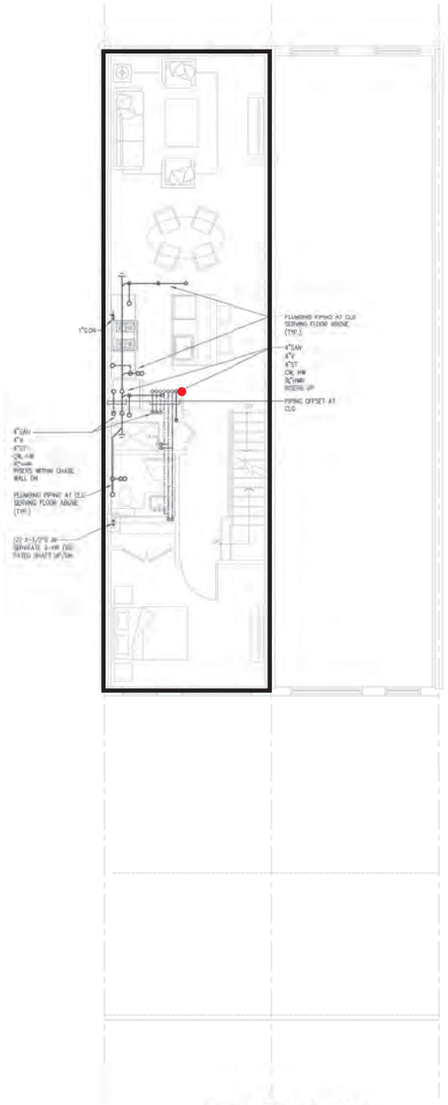
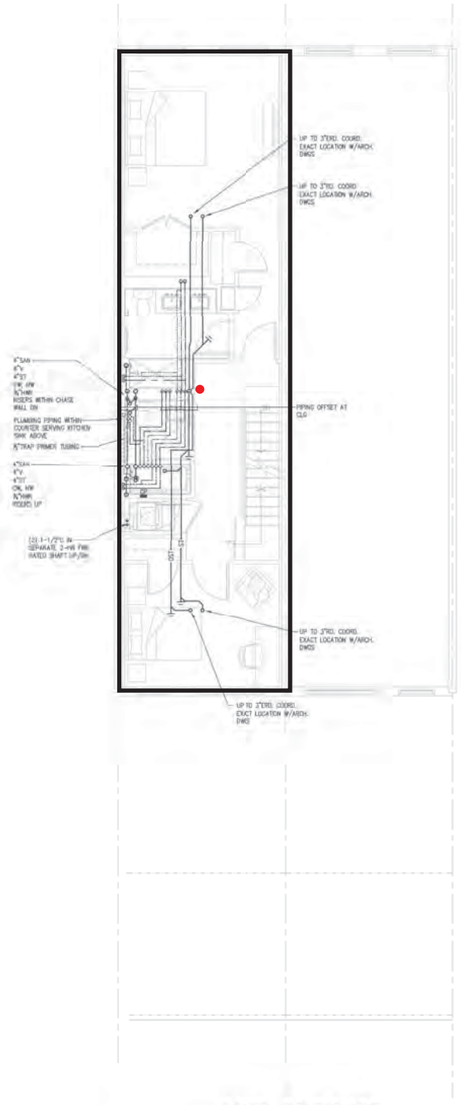
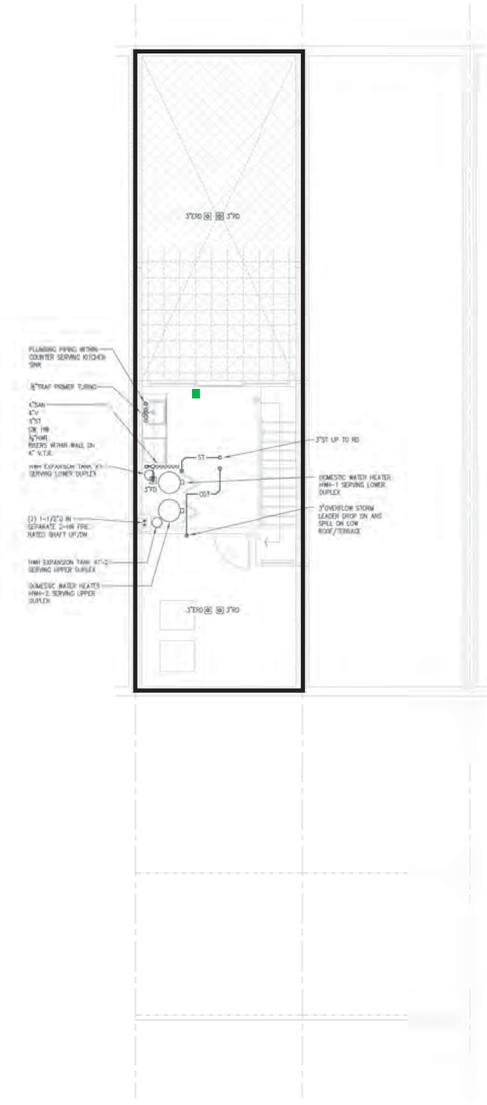


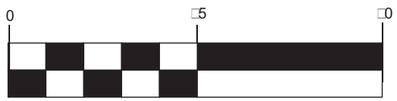
3RD FLOOR PLUMBING PLAN



4TH FLOOR PLUMBING PLAN



ROOF PENTHOUSE FLOOR PLUMBING PLAN



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Base map provided by Glickman Engineering Associates, PLLC - P-109.00 dated 3-23-15

Legend:

- building outline
- Riser 4" Ø
- Discharge Point

Notes:

1) Sub-slab piping shall be installed at least two inches (2") below the vapor barrier. All sub-slab piping shall be wrapped in filter fabric (or comparable product) and covered with at least two inches (2") of 1- 1 ½" clean crushed stone.

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SSDS Design - Third, Fourth and Roof Penthouse Plan 46th Avenue Building

45-35 11th Street and 11-22 45th Road
Queens, New York

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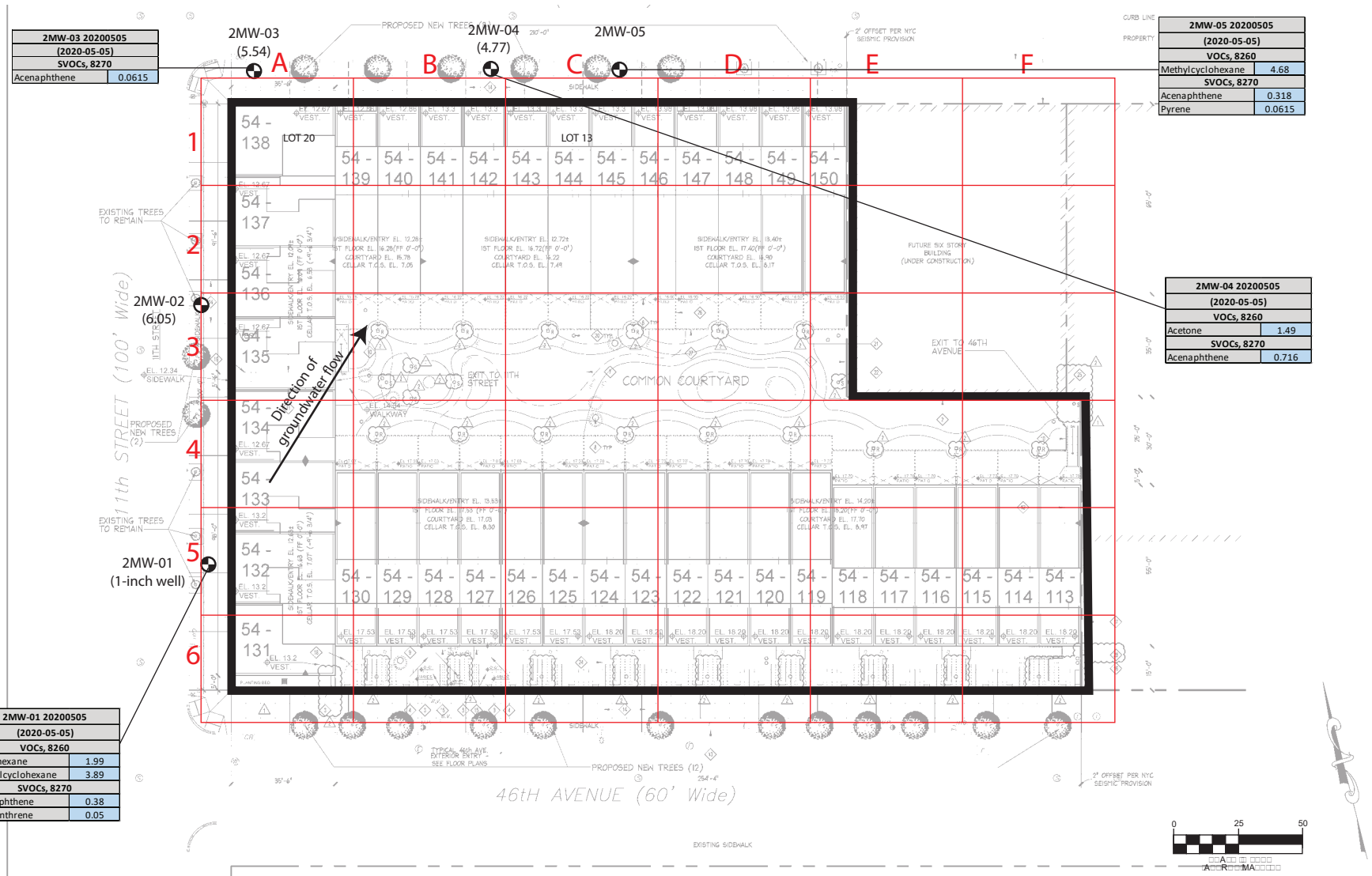

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Figure 4: VOCs and SVOCs Detected in Groundwater

GDC LIC Development
NYSDEC BCP Site: C241172
45-35 11th Street and 11-22 45th Road
Queens, New York

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All data in µg/L (parts per billion, ppb)
Detected concentrations

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APPENDIX B

Tables

Table 1: VOCs in Groundwater

NYSDEC Site ID: C241172

GBTS File: GQ14076

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-01 20180402**		**2MW-01 20180802**		**2MW-01 20190314**		**2MW-01 20190613**	
U= Not Detected ≥ indicated value	Sample Date	(2018-04-02)		(2018-08-02)		(2019-03-14)		(2019-06-13)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1		1	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,1-trichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-trichloro-1,2,2-trifluoroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-trichloroethane	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1-dichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1-dichloroethylene (1,1-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-trichloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-trimethylbenzene	5	0.52		0.2	*U*	0.2	*U*	0.2	*U*
1,2-dibromo-3-chloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dibromoethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichloroethane	0.6	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichloropropane	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,3,5-trimethylbenzene	5	0.55		0.2	*U*	0.2	*U*	0.2	*U*
1,3-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,4-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,4-dioxane	NA	40	*U*	40	*U*	40	*U*	40	*U*
2-butanone (MEK)	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
2-hexanone (MBK)	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
4-methyl-2-pentanone	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
acetone	50	2.5	*B*	6.5		1	*U*	1	*U*
acrolein	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
acrylonitrile	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
benzene	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromodichloromethane	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromoform	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
carbon disulfide	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
carbon tetrachloride	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chloroform	7	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,2-dichloroethylene (cis-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cyclohexane	NA	14		7.2		1.52		1.28	
dibromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
dibromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
dichlorodifluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
ethyl benzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
hexachlorobutadiene	0.5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
isopropylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methyl acetate	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methyl tert-butyl ether (MTBE)	10	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methylcyclohexane	NA	36		18		2.57		2.69	
methylene chloride	5	1	*U*	1	*U*	1	*U*	1	*U*
n-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
n-propylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
o-xylene (included in total xylenes)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
p- & m- xylenes (included in total xylenes)	5	3.6		1.2		0.5	*U*	0.5	*U*
p-isopropyltoluene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
sec-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
styrene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
tert-butyl alcohol (TBA)	NA	0.5	*U*	1.6		2.23	*J*	0.5	*U*
tert-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
tetrachloroethylene (PCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
toluene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,2-dichloroethylene (trans-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trichloroethylene (TCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trichlorofluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
vinyl chloride (VC)	2	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
xylenes, total	5	3.6		1.2	*J*	0.6	*U*	0.6	*U*
TOTAL chlorinated compounds		Not Detected		Not Detected		Not Detected		Not Detected	
TOTAL petroleum compounds		55		26		4.1		4.0	
TOTAL BTEX		3.6		1.2		Not Detected		Not Detected	
TOTAL VOCs		57		35		6.3		4.0	

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 1: VOCs in Groundwater

NYSDEC Site ID: C241172

GBTS File: GQ14076

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-01 20190917**		**DUP-20190917**		**2MW-01 20200115**		**DUP-20200115**		**2MW-01 20200505**	
U= Not Detected ≥ indicated value	Sample Date	(2019-09-17)		(2019-09-17)		(2020-01-15)		(2020-01-15)		(2020-05-05)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1		1		1	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,1-trichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-trichloro-1,2,2-trifluoroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-trichloroethane	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1-dichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1-dichloroethylene (1,1-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-trichloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-trimethylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dibromo-3-chloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dibromoethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichloroethane	0.6	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichloropropane	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,3,5-trimethylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,3-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,4-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,4-dioxane	NA	40	*U*	40	*U*	40	*U*	40	*U*	40	*U*
2-butanone (MEK)	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
2-hexanone (MBK)	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
4-methyl-2-pentanone	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
acetone	50	1	*U*	1.04	*J*	1	*U*	1	*U*	1	*U*
acrolein	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
acrylonitrile	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
benzene	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromodichloromethane	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromoform	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
carbon disulfide	NA	0.2	*U*	0.23	*J*	0.2	*U*	0.2	*U*	0.2	*U*
carbon tetrachloride	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chloroform	7	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chloromethane	5	0.2	*U*	0.2	*U*	0.28	*J*	0.2	*U*	0.2	*U*
cis-1,2-dichloroethylene (cis-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cyclohexane	NA	1.56		1.52		0.49	*J*	0.5		1.99	
dibromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
dibromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
dichlorodifluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
ethyl benzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
hexachlorobutadiene	0.5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
isopropylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methyl acetate	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methyl tert-butyl ether (MTBE)	10	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methylcyclohexane	NA	2.83		2.96		2.25		2.15		3.89	
methylene chloride	5	1	*U*	1	*U*	1	*U*	1	*U*	1	*U*
n-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
n-propylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
o-xylene (included in total xylenes)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
p- & m- xylenes (included in total xylenes)	5	0.5	*U*	0.5	*U*	0.5	*U*	0.5	*U*	0.5	*U*
p-isopropyltoluene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
sec-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
styrene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
tert-butyl alcohol (TBA)	NA	0.5	*U*	0.5	*U*	0.5	*U*	2.15		0.5	*U*
tert-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
tetrachloroethylene (PCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
toluene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,2-dichloroethylene (trans-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trichloroethylene (TCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trichlorofluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
vinyl chloride (VC)	2	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
xylenes, total	5	0.6	*U*	0.6	*U*	0.6	*U*	0.6	*U*	0.6	*U*
TOTAL chlorinated compounds		Not Detected		Not Detected		0.28		Not Detected		Not Detected	
TOTAL petroleum compounds		4.4		4.5		2.7		2.7		5.9	
TOTAL BTEX		Not Detected		Not Detected		Not Detected		Not Detected		Not Detected	
TOTAL VOCs		4.4		5.8		3.0		4.8		5.9	

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 1: VOCs in Groundwater

NYSDEC Site ID: C241172

GBTS File: GQ14076

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-02 20180402**		**2MW-02 20180802**		**2MW-02 20190314**		**DUP-20190314**		**2MW-02 20190613**	
U= Not Detected ≥ indicated value	Sample Date	(2018-04-02)		(2018-08-02)		(2019-03-14)		(2019-03-14)		(2019-06-13)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1		2		1	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-tetrachloroethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,1,1-trichloroethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,1,2,2-tetrachloroethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,1,2-trichloro-1,2,2-trifluoroethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,1,2-trichloroethane	1	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,1-dichloroethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,1-dichloroethylene (1,1-DCE)	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2,3-trichlorobenzene	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2,3-trichloropropane	0.04	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2,4-trichlorobenzene	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2,4-trimethylbenzene	5	0.2	U	0.2	U	2.81		3.09		0.2	U
1,2-dibromo-3-chloropropane	0.04	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2-dibromoethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2-dichlorobenzene	3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2-dichloroethane	0.6	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2-dichloropropane	1	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,3,5-trimethylbenzene	5	0.2	U	0.2	U	1.62		1.82		0.2	U
1,3-dichlorobenzene	3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,4-dichlorobenzene	3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,4-dioxane	NA	40	U	40	U	40	U	40	U	40	U
2-butanone (MEK)	50	0.2	U	0.2	U	0.82		0.2	U	0.94	J
2-hexanone (MBK)	50	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
4-methyl-2-pentanone	NA	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
acetone	50	1	U	14		1.05	J	2.07		2.44	
acrolein	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
acrylonitrile	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
benzene	1	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
bromochloromethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
bromodichloromethane	50	1.4		0.2	U	0.2	U	0.2	U	0.2	U
bromoform	50	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
bromomethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
carbon disulfide	NA	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
carbon tetrachloride	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
chlorobenzene	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
chloroethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
chloroform	7	**14**		3.8		0.2	U	0.2	U	0.2	U
chloromethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
cis-1,2-dichloroethylene (cis-DCE)	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
cis-1,3-dichloropropylene	0.4	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
cyclohexane	NA	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
dibromochloromethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
dibromomethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
dichlorodifluoromethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
ethyl benzene	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
hexachlorobutadiene	0.5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
isopropylbenzene	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
methyl acetate	NA	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
methyl tert-butyl ether (MTBE)	10	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
methylcyclohexane	NA	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
methylene chloride	5	1	U	1	U	1	U	1	U	1	U
n-butylbenzene	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
n-propylbenzene	5	0.2	U	0.2	U	0.23	J	0.33	J	0.2	U
o-xylene (included in total xylenes)	5	0.2	U	0.2	U	0.85		0.96		0.2	U
p- & m- xylenes (included in total xylenes)	5	0.5	U	0.5	U	0.84	J	0.94	J	0.5	U
p-isopropyltoluene	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
sec-butylbenzene	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
styrene	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
tert-butyl alcohol (TBA)	NA	0.5	U	1.1		3.57		2.95		0.5	U
tert-butylbenzene	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
tetrachloroethylene (PCE)	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
toluene	5	0.2	U	0.2	U	0.2	U	0.29	J	0.2	U
trans-1,2-dichloroethylene (trans-DCE)	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
trans-1,3-dichloropropylene	0.4	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
trichloroethylene (TCE)	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
trichlorofluoromethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
vinyl chloride (VC)	2	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
xylenes, total	5	0.6	U	0.6	U	1.69		1.9		0.6	U
TOTAL chlorinated compounds		15.4		3.8		Not Detected		Not Detected		Not Detected	
TOTAL petroleum compounds		Not Detected		Not Detected		6.4		7.4		Not Detected	
TOTAL BTEX		Not Detected		Not Detected		1.7		2.2		Not Detected	
TOTAL VOCs		15.4		19		12		12		3.4	

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 1: VOCs in Groundwater

NYSDEC Site ID: C241172

GBTS File: GQ14076

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-02 20190917**		**2MW-02 20200115**		**2MW-02 20200505**		**2MW-03 20180402**		**2MW-03 20180802**	
U= Not Detected ≥ indicated value	Sample Date	(2019-09-17)		(2020-01-15)		(2020-05-05)		(2018-04-02)		(2018-08-02)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1		1		1	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
1,1,1-trichloroethane	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
1,1,2,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
1,1,2-trichloro-1,2,2-trifluoroethane	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
1,1,2-trichloroethane	1	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
1,1-dichloroethane	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
1,1-dichloroethylene (1,1-DCE)	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
1,2,3-trichlorobenzene	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
1,2,3-trichloropropane	0.04	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
1,2,4-trichlorobenzene	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
1,2,4-trimethylbenzene	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
1,2-dibromo-3-chloropropane	0.04	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
1,2-dibromoethane	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
1,2-dichlorobenzene	3	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
1,2-dichloroethane	0.6	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
1,2-dichloropropane	1	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
1,3,5-trimethylbenzene	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
1,3-dichlorobenzene	3	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
1,4-dichlorobenzene	3	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
1,4-dioxane	NA	40	*U*	40	*U*	*No Data*		40	*U*	40	*U*
2-butanone (MEK)	50	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
2-hexanone (MBK)	50	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
4-methyl-2-pentanone	NA	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
acetone	50	1.07	*J*	1	*U*	*No Data*		7.6	*B*	1.2	*J*
acrolein	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
acrylonitrile	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
benzene	1	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
bromochloromethane	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
bromodichloromethane	50	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
bromoform	50	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
bromomethane	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
carbon disulfide	NA	0.25	*J*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
carbon tetrachloride	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
chlorobenzene	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
chloroethane	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
chloroform	7	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
chloromethane	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
cis-1,2-dichloroethylene (cis-DCE)	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
cis-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
cyclohexane	NA	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
dibromochloromethane	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
dibromomethane	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
dichlorodifluoromethane	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
ethyl benzene	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
hexachlorobutadiene	0.5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
isopropylbenzene	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
methyl acetate	NA	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
methyl tert-butyl ether (MTBE)	10	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
methylcyclohexane	NA	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
methylene chloride	5	1	*U*	1	*U*	*No Data*		1	*U*	1	*U*
n-butylbenzene	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
n-propylbenzene	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
o-xylene (included in total xylenes)	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
p- & m- xylenes (included in total xylenes)	5	0.5	*U*	0.5	*U*	*No Data*		0.5	*U*	0.5	*U*
p-isopropyltoluene	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
sec-butylbenzene	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
styrene	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
tert-butyl alcohol (TBA)	NA	0.5	*U*	0.5	*U*	*No Data*		0.5	*U*	1.5	
tert-butylbenzene	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
tetrachloroethylene (PCE)	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
toluene	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
trans-1,2-dichloroethylene (trans-DCE)	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
trans-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
trichloroethylene (TCE)	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
trichlorofluoromethane	5	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
vinyl chloride (VC)	2	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*	0.2	*U*
xylenes, total	5	0.6	*U*	0.6	*U*	*No Data*		0.6	*U*	0.6	*U*
TOTAL chlorinated compounds		Not Detected		Not Detected		No Data		Not Detected		Not Detected	
TOTAL petroleum compounds		Not Detected		Not Detected		No Data		Not Detected		Not Detected	
TOTAL BTEX		Not Detected		Not Detected		No Data		Not Detected		Not Detected	
TOTAL VOCs		1.3		Not Detected		No Data		7.6		2.7	

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 1: VOCs in Groundwater

NYSDEC Site ID: C241172

GBTS File: GQ14076

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-03 20190314**		**2MW-03 20190613**		**2MW-03 20190917**		**2MW-03 20200115**	
U= Not Detected ≥ indicated value	Sample Date	(2019-03-14)		(2019-06-13)		(2019-09-17)		(2020-01-15)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1		1	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,1-trichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-trichloro-1,2,2-trifluoroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-trichloroethane	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1-dichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1-dichloroethylene (1,1-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-trichloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-trimethylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dibromo-3-chloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dibromoethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichloroethane	0.6	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichloropropane	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,3,5-trimethylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,3-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,4-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,4-dioxane	NA	40	*U*	40	*U*	40	*U*	40	*U*
2-butanone (MEK)	50	0.95		0.2	*U*	0.2	*U*	0.2	*U*
2-hexanone (MBK)	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
4-methyl-2-pentanone	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
acetone	50	1.66	*J*	1.39	*J*	1.38	*J*	1	*U*
acrolein	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
acrylonitrile	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
benzene	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromodichloromethane	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromoform	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
carbon disulfide	NA	0.2	*U*	0.2	*U*	0.2	*J*	0.2	*U*
carbon tetrachloride	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chloroform	7	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,2-dichloroethylene (cis-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cyclohexane	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
dibromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
dibromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
dichlorodifluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
ethyl benzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
hexachlorobutadiene	0.5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
isopropylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methyl acetate	NA	0.74		0.2	*U*	0.2	*U*	0.2	*U*
methyl tert-butyl ether (MTBE)	10	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methylcyclohexane	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methylene chloride	5	1	*U*	1	*U*	1	*U*	1	*U*
n-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
n-propylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
o-xylene (included in total xylenes)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
p- & m- xylenes (included in total xylenes)	5	0.5	*U*	0.5	*U*	0.5	*U*	0.5	*U*
p-isopropyltoluene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
sec-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
styrene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
tert-butyl alcohol (TBA)	NA	3.51		0.5	*U*	0.5	*U*	1.57	
tert-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
tetrachloroethylene (PCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
toluene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,2-dichloroethylene (trans-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trichloroethylene (TCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trichlorofluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
vinyl chloride (VC)	2	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
xylenes, total	5	0.6	*U*	0.6	*U*	0.6	*U*	0.6	*U*
TOTAL chlorinated compounds		Not Detected		Not Detected		Not Detected		Not Detected	
TOTAL petroleum compounds		Not Detected		Not Detected		Not Detected		Not Detected	
TOTAL BTEX		Not Detected		Not Detected		Not Detected		Not Detected	
TOTAL VOCs		6.9		1.4		1.6		1.6	

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 1: VOCs in Groundwater

NYSDEC Site ID: C241172

GBTS File: GQ14076

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-03 20200505**		**DUP-20200505**		**2MW-04 20180402**		**2MW-04 20180802**		**2MW-04 20190314**	
U= Not Detected ≥ indicated value	Sample Date	(2020-05-05)		(2020-05-05)		(2018-04-02)		(2018-08-02)		(2019-03-14)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1		1		1	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,1-trichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-trichloro-1,2,2-trifluoroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-trichloroethane	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1-dichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1-dichloroethylene (1,1-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-trichloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-trimethylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dibromo-3-chloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dibromoethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichloroethane	0.6	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichloropropane	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,3,5-trimethylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,3-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,4-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,4-dioxane	NA	40	*U*	40	*U*	40	*U*	40	*U*	40	*U*
2-butanone (MEK)	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
2-hexanone (MBK)	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
4-methyl-2-pentanone	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
acetone	50	1	*U*	1	*U*	1.5	*JB*	1.1	*J*	1	*U*
acrolein	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
acrylonitrile	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
benzene	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromodichloromethane	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromoform	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
carbon disulfide	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
carbon tetrachloride	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chloroform	7	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,2-dichloroethylene (cis-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cyclohexane	NA	0.2	*U*	0.2	*U*	0.2	*J*	0.2	*U*	0.2	*U*
dibromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
dibromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
dichlorodifluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
ethyl benzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
hexachlorobutadiene	0.5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
isopropylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methyl acetate	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	1.09	
methyl tert-butyl ether (MTBE)	10	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methylcyclohexane	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methylene chloride	5	1	*U*	1	*U*	1	*U*	1	*U*	1	*U*
n-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
n-propylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
o-xylene (included in total xylenes)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
p- & m- xylenes (included in total xylenes)	5	0.5	*U*	0.5	*U*	0.5	*U*	0.5	*U*	0.5	*U*
p-isopropyltoluene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
sec-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
styrene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
tert-butyl alcohol (TBA)	NA	0.5	*U*	0.5	*U*	0.5	*U*	1.4		1.45	*J*
tert-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
tetrachloroethylene (PCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
toluene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,2-dichloroethylene (trans-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trichloroethylene (TCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trichlorofluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
vinyl chloride (VC)	2	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
xylenes, total	5	0.6	*U*	0.6	*U*	0.6	*U*	0.6	*U*	0.6	*U*
TOTAL chlorinated compounds		Not Detected		Not Detected		Not Detected		Not Detected		Not Detected	
TOTAL petroleum compounds		Not Detected		Not Detected		0.2		Not Detected		Not Detected	
TOTAL BTEX		Not Detected		Not Detected		Not Detected		Not Detected		Not Detected	
TOTAL VOCs		Not Detected		Not Detected		1.7		2.5		2.5	

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 1: VOCs in Groundwater

NYSDEC Site ID: C241172

GBTS File: GQ14076

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-04 20190613**		**DUP-20190613**		**2MW-04 20190917**		**2MW-04 20200115**		**2MW-04 20200505**	
U= Not Detected ≥ indicated value	Sample Date	(2019-06-13)		(2019-06-13)		(2019-09-17)		(2020-01-15)		(2020-05-05)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1		1		1	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,1-trichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-trichloro-1,2,2-trifluoroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-trichloroethane	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1-dichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1-dichloroethylene (1,1-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-trichloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-trimethylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dibromo-3-chloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dibromoethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichloroethane	0.6	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichloropropane	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,3,5-trimethylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,3-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,4-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,4-dioxane	NA	40	*U*	40	*U*	40	*U*	40	*U*	40	*U*
2-butanone (MEK)	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
2-hexanone (MBK)	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
4-methyl-2-pentanone	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
acetone	50	1.62	*J*	1.36	*J*	1.1	*J*	1.35	*J*	1.49	*J*
acrolein	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
acrylonitrile	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
benzene	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromodichloromethane	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromoform	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
carbon disulfide	NA	0.2	*U*	0.2	*U*	0.23	*J*	0.2	*U*	0.2	*U*
carbon tetrachloride	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chloroform	7	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,2-dichloroethylene (cis-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cyclohexane	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
dibromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
dibromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
dichlorodifluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
ethyl benzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
hexachlorobutadiene	0.5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
isopropylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methyl acetate	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methyl tert-butyl ether (MTBE)	10	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methylcyclohexane	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methylene chloride	5	1	*U*	1	*U*	1	*U*	1	*U*	1	*U*
n-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
n-propylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
o-xylene (included in total xylenes)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
p- & m- xylenes (included in total xylenes)	5	0.5	*U*	0.5	*U*	0.5	*U*	0.5	*U*	0.5	*U*
p-isopropyltoluene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
sec-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
styrene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
tert-butyl alcohol (TBA)	NA	0.5	*U*	0.5	*U*	0.5	*U*	2.08		0.5	*U*
tert-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
tetrachloroethylene (PCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
toluene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,2-dichloroethylene (trans-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trichloroethylene (TCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trichlorofluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
vinyl chloride (VC)	2	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
xylenes, total	5	0.6	*U*	0.6	*U*	0.6	*U*	0.6	*U*	0.6	*U*
TOTAL chlorinated compounds		Not Detected		Not Detected		Not Detected		Not Detected		Not Detected	
TOTAL petroleum compounds		Not Detected		Not Detected		Not Detected		Not Detected		Not Detected	
TOTAL BTEX		Not Detected		Not Detected		Not Detected		Not Detected		Not Detected	
TOTAL VOCs		1.6		1.4		1.3		3.4		1.5	

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 1: VOCs in Groundwater

NYSDEC Site ID: C241172

GBTS File: GQ14076

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-05 20180402**		**2MW-05 20180802**		**DUP-20180802**		**2MW-05**		**2MW-05 20190613**	
U= Not Detected ≥ indicated value	Sample Date	(2018-04-02)		(2018-08-02)		(2018-08-02)		(2019-03-14)		(2019-06-13)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1				1	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
1,1,1-trichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
1,1,2,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
1,1,2-trichloro-1,2,2-trifluoroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
1,1,2-trichloroethane	1	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
1,1-dichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
1,1-dichloroethylene (1,1-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
1,2,3-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
1,2,3-trichloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
1,2,4-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
1,2,4-trimethylbenzene	5	0.53		0.2	*U*	0.2	*U*	*No Data*		0.41	*J*
1,2-dibromo-3-chloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
1,2-dibromoethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
1,2-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
1,2-dichloroethane	0.6	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
1,2-dichloropropane	1	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
1,3,5-trimethylbenzene	5	0.76		0.3	*J*	0.33	*J*	*No Data*		0.69	
1,3-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
1,4-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
1,4-dioxane	NA	40	*U*	40	*U*	40	*U*	*No Data*		40	*U*
2-butanone (MEK)	50	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		2.4	
2-hexanone (MBK)	50	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
4-methyl-2-pentanone	NA	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
acetone	50	2	*JB*	1	*U*	1.6	*J*	*No Data*		2.35	
acrolein	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
acrylonitrile	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
benzene	1	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
bromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
bromodichloromethane	50	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
bromoform	50	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
bromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
carbon disulfide	NA	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
carbon tetrachloride	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
chlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
chloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
chloroform	7	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
chloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
cis-1,2-dichloroethylene (cis-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
cis-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
cyclohexane	NA	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
dibromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
dibromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
dichlorodifluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
ethyl benzene	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
hexachlorobutadiene	0.5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
isopropylbenzene	5	2.1		0.52		0.52		*No Data*		1.64	
methyl acetate	NA	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
methyl tert-butyl ether (MTBE)	10	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
methylcyclohexane	NA	130		52		48		*No Data*		96.4	
methylene chloride	5	1	*U*	1	*U*	1	*U*	*No Data*		1	*U*
n-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
n-propylbenzene	5	1.1		0.32	*J*	0.35	*J*	*No Data*		1.08	
o-xylene (included in total xylenes)	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
p- & m- xylenes (included in total xylenes)	5	0.5	*U*	0.5	*U*	0.5	*U*	*No Data*		0.5	*U*
p-isopropyltoluene	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
sec-butylbenzene	5	0.33	*J*	0.2	*U*	0.2	*U*	*No Data*		0.31	*J*
styrene	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
tert-butyl alcohol (TBA)	NA	0.5	*U*	0.5	*U*	0.5	*U*	*No Data*		0.5	*U*
tert-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
tetrachloroethylene (PCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
toluene	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.21	*J*
trans-1,2-dichloroethylene (trans-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
trans-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
trichloroethylene (TCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
trichlorofluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
vinyl chloride (VC)	2	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*		0.2	*U*
xylenes, total	5	0.6	*U*	0.6	*U*	0.6	*U*	*No Data*		0.6	*U*
TOTAL chlorinated compounds		Not Detected		Not Detected		Not Detected		No Data		Not Detected	
TOTAL petroleum compounds		133		53		49		No Data		99	
TOTAL BTEX		Not Detected		Not Detected		Not Detected		No Data		0.21	
TOTAL VOCs		137		53		51		No Data		105	

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 1: VOCs in Groundwater

NYSDEC Site ID: C241172

GBTS File: GQ14076

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-05 20190917**		**2MW-05 20200115**		**2MW-05 20200505**		**TB-20180802**		**TB-20190314**	
U= Not Detected ≥ indicated value	Sample Date	(2019-09-17)		(2020-01-15)		(2020-05-05)		(2018-08-02)		(2019-03-14)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1		1		1	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,1-trichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-trichloro-1,2,2-trifluoroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-trichloroethane	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1-dichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1-dichloroethylene (1,1-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-trichloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-trimethylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dibromo-3-chloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dibromoethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichloroethane	0.6	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichloropropane	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,3,5-trimethylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,3-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,4-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,4-dioxane	NA	40	*U*	40	*U*	40	*U*	40	*U*	40	*U*
2-butanone (MEK)	50	0.2	*U*	0.2	*U*	0.2	*U*	0.27	*J*	0.2	*U*
2-hexanone (MBK)	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
4-methyl-2-pentanone	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.28	*J*	0.2	*U*
acetone	50	1.11	*J*	1.76	*J*	1	*U*	3.6		1	*U*
acrolein	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
acrylonitrile	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
benzene	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromodichloromethane	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromoform	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
carbon disulfide	NA	0.29	*J*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
carbon tetrachloride	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chloroform	7	0.2	*U*	0.2	*U*	0.2	*U*	0.22	*J*	0.2	*U*
chloromethane	5	0.2	*U*	1.64		0.2	*U*	0.2	*U*	0.2	*U*
cis-1,2-dichloroethylene (cis-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cyclohexane	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
dibromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
dibromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
dichlorodifluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
ethyl benzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
hexachlorobutadiene	0.5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
isopropylbenzene	5	0.43	*J*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methyl acetate	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methyl tert-butyl ether (MTBE)	10	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methylcyclohexane	NA	0.2	*U*	6.26		4.68		0.2	*U*	0.2	*U*
methylene chloride	5	1	*U*	1	*U*	1	*U*	1	*U*	1	*U*
n-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
n-propylbenzene	5	0.24	*J*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
o-xylene (included in total xylenes)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
p- & m- xylenes (included in total xylenes)	5	0.5	*U*	0.5	*U*	0.5	*U*	0.5	*U*	0.5	*U*
p-isopropyltoluene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
sec-butylbenzene	5	0.2	*J*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
styrene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
tert-butyl alcohol (TBA)	NA	0.5	*U*	6.3		0.5	*U*	0.5	*U*	0.5	*U*
tert-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
tetrachloroethylene (PCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
toluene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.24	*J*	0.2	*U*
trans-1,2-dichloroethylene (trans-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trichloroethylene (TCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trichlorofluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
vinyl chloride (VC)	2	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
xylenes, total	5	0.6	*U*	0.6	*U*	0.6	*U*	0.6	*U*	0.6	*U*
TOTAL chlorinated compounds		Not Detected		1.64		Not Detected		0.22		Not Detected	
TOTAL petroleum compounds		0.44		6.26		4.68		0.24		Not Detected	
TOTAL BTEX		Not Detected		Not Detected		Not Detected		0.24		Not Detected	
TOTAL VOCs		2.3		16.0		4.7		5		Not Detected	

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 1: VOCs in Groundwater

NYSDEC Site ID: C241172

GBTS File: GQ14076

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in µg/L (parts per billion, ppb)	**Sample ID**	**TB-20190613**		**TB-20190917**		**TB-20200115**		**TB-20200505**	
U= Not Detected ≥ indicated value	Sample Date	(2019-06-13)		(2019-09-17)		(2020-01-15)		(2020-05-05)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1		1	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,1-trichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-trichloro-1,2,2-trifluoroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-trichloroethane	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1-dichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1-dichloroethylene (1,1-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-trichloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-trimethylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dibromo-3-chloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dibromoethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichloroethane	0.6	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichloropropane	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,3,5-trimethylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,3-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,4-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,4-dioxane	NA	40	*U*	40	*U*	40	*U*	40	*U*
2-butanone (MEK)	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
2-hexanone (MBK)	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
4-methyl-2-pentanone	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
acetone	50	1	*U*	1	*U*	1	*U*	1	*U*
acrolein	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
acrylonitrile	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
benzene	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromodichloromethane	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromoform	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
carbon disulfide	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
carbon tetrachloride	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chloroform	7	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.53	
cis-1,2-dichloroethylene (cis-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cyclohexane	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
dibromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
dibromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
dichlorodifluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
ethyl benzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
hexachlorobutadiene	0.5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
isopropylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methyl acetate	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methyl tert-butyl ether (MTBE)	10	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methylcyclohexane	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methylene chloride	5	1	*U*	1	*U*	1	*U*	1	*U*
n-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
n-propylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
o-xylene (included in total xylenes)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
p- & m- xylenes (included in total xylenes)	5	0.5	*U*	0.5	*U*	0.5	*U*	0.5	*U*
p-isopropyltoluene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
sec-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
styrene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
tert-butyl alcohol (TBA)	NA	0.5	*U*	0.5	*U*	0.5	*U*	0.5	*U*
tert-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
tetrachloroethylene (PCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
toluene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,2-dichloroethylene (trans-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trichloroethylene (TCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trichlorofluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
vinyl chloride (VC)	2	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
xylenes, total	5	0.6	*U*	0.6	*U*	0.6	*U*	0.6	*U*
TOTAL chlorinated compounds		Not Detected		Not Detected		Not Detected		0.53	
TOTAL petroleum compounds		Not Detected		Not Detected		Not Detected		Not Detected	
TOTAL BTEX		Not Detected		Not Detected		Not Detected		Not Detected	
TOTAL VOCs		Not Detected		Not Detected		Not Detected		0.53	

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: SVOCs in Groundwater
NYSDEC Site ID: C241172
GBTS File: GQ14076

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-01 20180402**		**2MW-01 20180802**		**2MW-01 20190314**		**2MW-01 20190613**		**2MW-01 20190917**		**DUP-20190917**	
U= Not Detected ≥ indicated value	Sample Date	(2018-04-02)		(2018-08-02)		(2019-03-14)		(2019-06-13)		(2019-09-17)		(2019-09-17)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1		1		1		1	
SVOCs, 8270	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-biphenyl	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
1,2,4,5-tetrachlorobenzene	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
1,2,4-trichlorobenzene	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
1,2-dichlorobenzene	3	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
1,2-diphenylhydrazine (azobenzene)	ND	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
1,3-dichlorobenzene	3	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
1,4-dichlorobenzene	3	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2,3,4,6-tetrachlorophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2,4,5-trichlorophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2,4,6-trichlorophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2,4-dichlorophenol	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2,4-dimethylphenol	50	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2,4-dinitrophenol	10	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2,4-dinitrotoluene	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2,6-dinitrotoluene	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2-chloronaphthalene	10	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2-chlorophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2-methylnaphthalene	NA	2.56	*U*	2.5	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
2-methylphenol	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2-nitroaniline	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2-nitrophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
3- & 4-methylphenols	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
3,3'-dichlorobenzidine	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
3-nitroaniline	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
4,6-dinitro-2-methylphenol	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
4-bromophenyl phenyl ether	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
4-chloro-3-methylphenol	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
4-chloroaniline	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
4-chlorophenyl phenyl ether	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
4-nitroaniline	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
4-nitrophenol	5	2.56	*U*	2.5	*U*	5.13	*U*	NA		NA		NA	
acenaphthene	20	0.338		0.42		0.626		0.39		0.79		0.646	
acenaphthylene	NA	0.0513	*U*	0.05		0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
acetophenone	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
aniline	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
anthracene	50	0.0718		0.05	*U*	0.113		0.0513	*U*	0.0513	*U*	0.0513	*U*
atrazine	7.5	0.513	*U*	0.5	*U*	0.513	*U*	NA		NA		NA	
benzaldehyde	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
benzidine	5	10.3	*U*	10	*U*	5.13	*U*	NA		NA		NA	
benzo(a)anthracene	0.002	0.0513	*U*	0.05	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
benzo(a)pyrene	ND	0.0513	*U*	0.05	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
benzo(b)fluoranthene	0.002	0.0513	*U*	0.05	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
benzo(g,h,i)perylene	NA	0.0513	*U*	0.05	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
benzo(k)fluoranthene	0.002	0.0513	*U*	0.05	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
benzoic acid	NA	25.6	*U*	25	*U*	25.6	*U*	NA		NA		NA	
benzyl alcohol	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
benzyl butyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
bis(2-chloroethoxy)methane	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
bis(2-chloroethyl)ether	1	2.56	*U*	2.5	*U*	1.03	*U*	NA		NA		NA	
bis(2-chloroisopropyl)ether	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
bis(2-ethylhexyl)phthalate	5	0.513	*U*	0.5	*U*	0.513	*U*	NA		0.605		0.513	
caprolactam	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
carbazole	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
chrysene	0.002	0.0513	*U*	0.05	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
dibenzo(a,h)anthracene	NA	0.0513	*U*	0.05	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
dibenzofuran	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
diethyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
dimethyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
di-n-butyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
di-n-octyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
fluoranthene	50	0.0513	*U*	0.05	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
fluorene	50	0.0615		0.1		0.0923		0.0513	*U*	0.123		0.103	
hexachlorobenzene	0.04	0.0205	*U*	0.02		0.0205	*U*	NA		NA		NA	
hexachlorobutadiene	0.5	0.513	*U*	0.5	*U*	0.513	*U*	NA		NA		NA	
hexachlorocyclopentadiene	5	2.56	*U*	2.5	*U*	5.13	*U*	NA		NA		NA	
hexachloroethane	5	0.513	*U*	0.5	*U*	0.513	*U*	NA		NA		NA	
indeno(1,2,3-cd)pyrene	0.002	0.0513	*U*	0.05	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
isophorone	50	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
naphthalene	10	0.113		0.05	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
nitrobenzene	0.4	0.256	*U*	0.25	*U*	0.256	*U*	NA		NA		NA	
n-nitrosodimethylamine	50	0.513	*U*	0.5	*U*	0.513	*U*	NA		NA		NA	
n-nitroso-di-n-propylamine	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
n-nitrosodiphenylamine	50	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
pentachlorophenol	1	0.256	*U*	0.25	*U*	0.256	*U*	NA		NA		NA	
phenanthrene	50	0.0615		0.08		0.0923		0.0513	*U*	0.144		0.123	
phenol	1	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
pyrene	50	0.0513	*U*	0.05	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
	TOTAL SVOCs	**0.65**		**0.67**		**0.92**		**0.39**		**1.66**		**1.39**	

Detected concentrations
Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: SVOCs in Groundwater
NYSDEC Site ID: C241172
GBTS File: GQ14076

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-01 20200115**		**DUP-20200115**		**2MW-01 20200505**		**2MW-02 20180402**		**2MW-02 20180802**	
U= Not Detected ≥ indicated value	Sample Date	(2020-01-15)		(2020-01-15)		(2020-05-05)		(2018-04-02)		(2018-08-02)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1		1		1	
SVOCs, 8270	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-biphenyl	5	NA		NA		NA		2.56	*U*	2.5	*U*
1,2,4,5-tetrachlorobenzene	5	NA		NA		NA		2.56	*U*	2.5	*U*
1,2,4-trichlorobenzene	5	NA		NA		NA		2.56	*U*	2.5	*U*
1,2-dichlorobenzene	3	NA		NA		NA		2.56	*U*	2.5	*U*
1,2-diphenylhydrazine (azobenzene)	ND	NA		NA		NA		2.56	*U*	2.5	*U*
1,3-dichlorobenzene	3	NA		NA		NA		2.56	*U*	2.5	*U*
1,4-dichlorobenzene	3	NA		NA		NA		2.56	*U*	2.5	*U*
2,3,4,6-tetrachlorophenol	NA	NA		NA		NA		2.56	*U*	2.5	*U*
2,4,5-trichlorophenol	NA	NA		NA		NA		2.56	*U*	2.5	*U*
2,4,6-trichlorophenol	NA	NA		NA		NA		2.56	*U*	2.5	*U*
2,4-dichlorophenol	5	NA		NA		NA		2.56	*U*	2.5	*U*
2,4-dimethylphenol	50	NA		NA		NA		2.56	*U*	2.5	*U*
2,4-dinitrophenol	10	NA		NA		NA		2.56	*U*	2.5	*U*
2,4-dinitrotoluene	5	NA		NA		NA		2.56	*U*	2.5	*U*
2,6-dinitrotoluene	5	NA		NA		NA		2.56	*U*	2.5	*U*
2-chloronaphthalene	10	NA		NA		NA		2.56	*U*	2.5	*U*
2-chlorophenol	NA	NA		NA		NA		2.56	*U*	2.5	*U*
2-methylnaphthalene	NA	2.56	*U*	2.56	*U*	2.5	*U*	2.56	*U*	2.5	*U*
2-methylphenol	NA	NA		NA		NA		2.56	*U*	2.5	*U*
2-nitroaniline	5	NA		NA		NA		2.56	*U*	2.5	*U*
2-nitrophenol	NA	NA		NA		NA		2.56	*U*	2.5	*U*
3- & 4-methylphenols	NA	NA		NA		NA		2.56	*U*	2.5	*U*
3,3'-dichlorobenzidine	5	NA		NA		NA		2.56	*U*	2.5	*U*
3-nitroaniline	5	NA		NA		NA		2.56	*U*	2.5	*U*
4,6-dinitro-2-methylphenol	NA	NA		NA		NA		2.56	*U*	2.5	*U*
4-bromophenyl phenyl ether	NA	NA		NA		NA		2.56	*U*	2.5	*U*
4-chloro-3-methylphenol	NA	NA		NA		NA		2.56	*U*	2.5	*U*
4-chloroaniline	5	NA		NA		NA		2.56	*U*	2.5	*U*
4-chlorophenyl phenyl ether	NA	NA		NA		NA		2.56	*U*	2.5	*U*
4-nitroaniline	5	NA		NA		NA		2.56	*U*	2.5	*U*
4-nitrophenol	5	NA		NA		NA		2.56	*U*	2.5	*U*
acenaphthene	20	0.656		0.595		0.38		0.0513	*U*	0.09	
acenaphthylene	NA	0.0513	*U*	0.0513	*U*	0.05	*U*	0.0513	*U*	0.05	*U*
acetophenone	NA	NA		NA		NA		2.56	*U*	2.5	*U*
aniline	5	NA		NA		NA		2.56	*U*	2.5	*U*
anthracene	50	0.0513	*U*	0.0513	*U*	0.05	*U*	0.0513	*U*	0.05	*U*
atrazine	7.5	NA		NA		NA		0.513	*U*	0.5	*U*
benzaldehyde	NA	NA		NA		NA		2.56	*U*	2.5	*U*
benzidine	5	NA		NA		NA		10.3	*U*	10	*U*
benzo(a)anthracene	0.002	0.0513	*U*	0.0513	*U*	0.05	*U*	0.0513	*U*	0.05	*U*
benzo(a)pyrene	ND	0.0513	*U*	0.0513	*U*	0.05	*U*	0.0513	*U*	0.05	*U*
benzo(b)fluoranthene	0.002	0.0513	*U*	0.0513	*U*	0.05	*U*	0.0513	*U*	0.05	*U*
benzo(g,h,i)perylene	NA	0.0513	*U*	0.0513	*U*	0.05	*U*	0.0513	*U*	0.05	*U*
benzo(k)fluoranthene	0.002	0.0513	*U*	0.0513	*U*	0.05	*U*	0.0513	*U*	0.05	*U*
benzoic acid	NA	NA		NA		NA		25.6	*U*	25	*U*
benzyl alcohol	NA	NA		NA		NA		2.56	*U*	2.5	*U*
benzyl butyl phthalate	50	NA		NA		NA		2.56	*U*	2.5	*U*
bis(2-chloroethoxy)methane	5	NA		NA		NA		2.56	*U*	2.5	*U*
bis(2-chloroethyl)ether	1	NA		NA		NA		2.56	*U*	2.5	*U*
bis(2-chloroisopropyl)ether	NA	NA		NA		NA		2.56	*U*	2.5	*U*
bis(2-ethylhexyl)phthalate	5	0.513	*U*	0.513	*U*	0.5	*U*	0.513	*U*	0.5	*U*
caprolactam	NA	NA		NA		NA		2.56	*U*	2.5	*U*
carbazole	NA	NA		NA		NA		2.56	*U*	2.5	*U*
chrysene	0.002	0.0513	*U*	0.0513	*U*	0.05	*U*	0.0513	*U*	0.05	*U*
dibenzo(a,h)anthracene	NA	0.0513	*U*	0.0513	*U*	0.05	*U*	0.0513	*U*	0.05	*U*
dibenzofuran	NA	NA		NA		NA		2.56	*U*	2.5	*U*
diethyl phthalate	50	NA		NA		NA		2.56	*U*	2.5	*U*
dimethyl phthalate	50	NA		NA		NA		2.56	*U*	2.5	*U*
di-n-butyl phthalate	50	NA		NA		NA		2.56	*U*	2.5	*U*
di-n-octyl phthalate	50	NA		NA		NA		2.56	*U*	2.5	*U*
fluoranthene	50	0.0513	*U*	0.0513	*U*	0.05	*U*	0.0513	*U*	0.05	*U*
fluorene	50	0.0821		0.0821		0.05	*U*	0.0513	*U*	0.05	*U*
hexachlorobenzene	0.04	NA		NA		NA		0.0205	*U*	0.02	*U*
hexachlorobutadiene	0.5	NA		NA		NA		0.513	*U*	0.5	*U*
hexachlorocyclopentadiene	5	NA		NA		NA		2.56	*U*	2.5	*U*
hexachloroethane	5	NA		NA		NA		0.513	*U*	0.5	*U*
indeno(1,2,3-cd)pyrene	0.002	0.0513	*U*	0.0513	*U*	0.05	*U*	0.0513	*U*	0.05	*U*
isophorone	50	NA		NA		NA		2.56	*U*	2.5	*U*
naphthalene	10	0.0513	*U*	0.0513	*U*	0.05	*U*	0.0513	*U*	0.15	
nitrobenzene	0.4	NA		NA		NA		0.256	*U*	0.25	*U*
n-nitrosodimethylamine	50	NA		NA		NA		0.513	*U*	0.5	*U*
n-nitroso-di-n-propylamine	NA	NA		NA		NA		2.56	*U*	2.5	*U*
n-nitrosodiphenylamine	50	NA		NA		NA		2.56	*U*	2.5	*U*
pentachlorophenol	1	NA		NA		NA		0.256	*U*	0.25	*U*
phenanthrene	50	0.103		0.103		0.05		0.0513	*U*	0.05	*U*
phenol	1	NA		NA		NA		2.56	*U*	2.5	*U*
pyrene	50	0.0513	*U*	0.0513	*U*	0.05	*U*	0.0513	*U*	0.05	*U*
	TOTAL SVOCs	**0.84**		**0.78**		**0.43**		Not Detected		**0.24**	

Detected concentrations
Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: SVOCs in Groundwater
NYSDEC Site ID: C241172
GBTS File: GQ14076

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-02 20190314**		**DUP-20190314**		**2MW-02 20190613**		**2MW-02 20190917**		**2MW-02 20200115**		**2MW-02 20200505**	
U= Not Detected ≥ indicated value	Sample Date	(2019-03-14)		(2019-03-14)		(2019-06-13)		(2019-09-17)		(2020-01-15)		(2020-05-05)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1		2		1		1	
SVOCs, 8270	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-biphenyl	5	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
1,2,4,5-tetrachlorobenzene	5	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
1,2,4-trichlorobenzene	5	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
1,2-dichlorobenzene	3	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
1,2-diphenylhydrazine (azobenzene)	ND	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
1,3-dichlorobenzene	3	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
1,4-dichlorobenzene	3	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
2,3,4,6-tetrachlorophenol	NA	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
2,4,5-trichlorophenol	NA	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
2,4,6-trichlorophenol	NA	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
2,4-dichlorophenol	5	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
2,4-dimethylphenol	50	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
2,4-dinitrophenol	10	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
2,4-dinitrotoluene	5	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
2,6-dinitrotoluene	5	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
2-chloronaphthalene	10	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
2-chlorophenol	NA	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
2-methylnaphthalene	NA	2.7	*U*	2.78	*U*	2.56	*U*	2.86	*U*	2.5	*U*	*No Data*	
2-methylphenol	NA	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
2-nitroaniline	5	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
2-nitrophenol	NA	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
3- & 4-methylphenols	NA	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
3,3'-dichlorobenzidine	5	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
3-nitroaniline	5	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
4,6-dinitro-2-methylphenol	NA	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
4-bromophenyl phenyl ether	NA	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
4-chloro-3-methylphenol	NA	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
4-chloroaniline	5	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
4-chlorophenyl phenyl ether	NA	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
4-nitroaniline	5	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
4-nitrophenol	5	5.41	*U*	5.56	*U*	NA		NA		NA		*No Data*	
acenaphthene	20	0.108		0.133		0.0513	*U*	0.217		0.07		*No Data*	
acenaphthylene	NA	0.0541	*U*	0.0556	*U*	0.0513	*U*	0.0571		0.05	*U*	*No Data*	
acetophenone	NA	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
aniline	5	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
anthracene	50	0.0541	*U*	0.0556	*U*	0.0513	*U*	0.0571	*U*	0.05	*U*	*No Data*	
atrazine	7.5	0.541	*U*	0.556	*U*	NA		NA		NA		*No Data*	
benzaldehyde	NA	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
benzidine	5	5.41	*U*	5.56	*U*	NA		NA		NA		*No Data*	
benzo(a)anthracene	0.002	**0.0865**		**0.0667**		0.0513	*U*	0.0571	*U*	**0.06**		*No Data*	
benzo(a)pyrene	ND	0.0865		0.0556		0.0513	*U*	0.0571	*U*	0.06		*No Data*	
benzo(b)fluoranthene	0.002	**0.0865**		**0.0556**		0.0513	*U*	0.0571	*U*	**0.06**		*No Data*	
benzo(g,h,i)perylene	NA	0.0649		0.0556		0.0513	*U*	0.0571	*U*	0.05		*No Data*	
benzo(k)fluoranthene	0.002	**0.0757**		0.0556	*U*	0.0513	*U*	0.0571	*U*	**0.06**		*No Data*	
benzoic acid	NA	27	*U*	27.8	*U*	NA		NA		NA		*No Data*	
benzyl alcohol	NA	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
benzyl butyl phthalate	50	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
bis(2-chloroethoxy)methane	5	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
bis(2-chloroethyl)ether	1	1.08	*U*	1.11	*U*	NA		NA		NA		*No Data*	
bis(2-chloroisopropyl)ether	NA	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
bis(2-ethylhexyl)phthalate	5	1.06		1.07		NA		**7.09**	*D*	0.59		*No Data*	
caprolactam	NA	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
carbazole	NA	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
chrysene	0.002	**0.0865**		**0.0556**		0.0513	*U*	0.0571	*U*	**0.06**		*No Data*	
dibenzo(a,h)anthracene	NA	0.0541	*U*	0.0556	*U*	0.0513	*U*	0.0571	*U*	0.05	*U*	*No Data*	
dibenzofuran	NA	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
diethyl phthalate	50	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
dimethyl phthalate	50	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
di-n-butyl phthalate	50	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
di-n-octyl phthalate	50	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
fluoranthene	50	0.195		0.144		0.0513	*U*	0.0571	*U*	0.14		*No Data*	
fluorene	50	0.0541	*U*	0.0556	*U*	0.0513	*U*	0.114		0.05	*U*	*No Data*	
hexachlorobenzene	0.04	0.0216	*U*	0.0222	*U*	NA		NA		NA		*No Data*	
hexachlorobutadiene	0.5	0.541	*U*	0.556	*U*	NA		NA		NA		*No Data*	
hexachlorocyclopentadiene	5	5.41	*U*	5.56	*U*	NA		NA		NA		*No Data*	
hexachloroethane	5	0.541	*U*	0.556	*U*	NA		NA		NA		*No Data*	
indeno(1,2,3-cd)pyrene	0.002	**0.0541**		0.0556	*U*	0.0513	*U*	0.0571	*U*	0.05	*U*	*No Data*	
isophorone	50	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
naphthalene	10	0.0541	*U*	0.0556	*U*	0.0513	*U*	1.31		0.19		*No Data*	
nitrobenzene	0.4	0.27	*U*	0.278	*U*	NA		NA		NA		*No Data*	
n-nitrosodimethylamine	50	0.541	*U*	0.556	*U*	NA		NA		NA		*No Data*	
n-nitroso-di-n-propylamine	NA	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
n-nitrosodiphenylamine	50	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
pentachlorophenol	1	0.27	*U*	0.278	*U*	NA		NA		NA		*No Data*	
phenanthrene	50	0.0865		0.0778		0.0513	*U*	0.08		0.1		*No Data*	
phenol	1	2.7	*U*	2.78	*U*	NA		NA		NA		*No Data*	
pyrene	50	0.162		0.122		0.0513	*U*	0.0571	*U*	0.12		*No Data*	
	TOTAL SVOCs	**2.15**		**1.84**		Not Detected		**8.87**		**1.56**		No Data	

Detected concentrations
Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: SVOCs in Groundwater
NYSDEC Site ID: C241172
GBTS File: GQ14076

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-03 20180402**		**2MW-03 20180802**		**2MW-03 20190314**		**2MW-03 20190613**		**2MW-03 20190917**		**2MW-03 20200115**	
U= Not Detected ≥ indicated value	Sample Date	(2018-04-02)		(2018-08-02)		(2019-03-14)		(2019-06-13)		(2019-09-17)		(2020-01-15)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1		1		1		1	
SVOCs, 8270	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-biphenyl	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
1,2,4,5-tetrachlorobenzene	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
1,2,4-trichlorobenzene	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
1,2-dichlorobenzene	3	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
1,2-diphenylhydrazine (azobenzene)	ND	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
1,3-dichlorobenzene	3	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
1,4-dichlorobenzene	3	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2,3,4,6-tetrachlorophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2,4,5-trichlorophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2,4,6-trichlorophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2,4-dichlorophenol	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2,4-dimethylphenol	50	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2,4-dinitrophenol	10	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2,4-dinitrotoluene	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2,6-dinitrotoluene	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2-chloronaphthalene	10	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2-chlorophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2-methylnaphthalene	NA	2.56	*U*	2.5	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
2-methylphenol	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2-nitroaniline	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
2-nitrophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
3- & 4-methylphenols	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
3,3'-dichlorobenzidine	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
3-nitroaniline	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
4,6-dinitro-2-methylphenol	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
4-bromophenyl phenyl ether	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
4-chloro-3-methylphenol	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
4-chloroaniline	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
4-chlorophenyl phenyl ether	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
4-nitroaniline	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
4-nitrophenol	5	2.56	*U*	2.5	*U*	5.13	*U*	NA		NA		NA	
acenaphthene	20	0.369		0.27		0.0513		0.103		0.164		0.133	
acenaphthylene	NA	0.0513	*U*	0.05	*U*	0.0513	*U*	0.0513	*U*	0.0615		0.0513	*U*
acetophenone	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
aniline	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
anthracene	50	0.0513		0.05	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
atrazine	7.5	0.513	*U*	0.5	*U*	0.513	*U*	NA		NA		NA	
benzaldehyde	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
benzidine	5	10.3	*U*	10	*U*	5.13	*U*	NA		NA		NA	
benzo(a)anthracene	0.002	0.0513	*U*	0.05	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
benzo(a)pyrene	ND	0.0513		0.05	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
benzo(b)fluoranthene	0.002	**0.0615**		0.05	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
benzo(g,h,i)perylene	NA	0.0513		0.05	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
benzo(k)fluoranthene	0.002	**0.0513**		0.05	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
benzoic acid	NA	25.6	*U*	25	*U*	25.6	*U*	NA		NA		NA	
benzyl alcohol	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
benzyl butyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
bis(2-chloroethoxy)methane	5	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
bis(2-chloroethyl)ether	1	2.56	*U*	2.5	*U*	1.03	*U*	NA		NA		NA	
bis(2-chloroisopropyl)ether	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
bis(2-ethylhexyl)phthalate	5	1.76		0.5	*U*	0.964		NA		1.07		0.0513	*U*
caprolactam	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
carbazole	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
chrysene	0.002	**0.0615**		0.05	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
dibenzo(a,h)anthracene	NA	0.0513	*U*	0.05	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
dibenzofuran	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
diethyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
dimethyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
di-n-butyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
di-n-octyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
fluoranthene	50	0.103		0.05	*U*	0.0615		0.0513	*U*	0.0513	*U*	0.0513	*U*
fluorene	50	0.0513	*U*	0.05	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
hexachlorobenzene	0.04	0.0205	*U*	0.02	*U*	0.0205	*U*	NA		NA		NA	
hexachlorobutadiene	0.5	0.513	*U*	0.5	*U*	0.513	*U*	NA		NA		NA	
hexachlorocyclopentadiene	5	2.56	*U*	2.5	*U*	5.13	*U*	NA		NA		NA	
hexachloroethane	5	0.513	*U*	0.5	*U*	0.513	*U*	NA		NA		NA	
indeno(1,2,3-cd)pyrene	0.002	0.0513	*U*	0.05	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
isophorone	50	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
naphthalene	10	0.0513	*U*	0.05	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
nitrobenzene	0.4	0.256	*U*	0.25	*U*	0.256	*U*	NA		NA		NA	
n-nitrosodimethylamine	50	0.513	*U*	0.5	*U*	0.513	*U*	NA		NA		NA	
n-nitroso-di-n-propylamine	NA	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
n-nitrosodiphenylamine	50	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
pentachlorophenol	1	0.256	*U*	0.25	*U*	0.256	*U*	NA		NA		NA	
phenanthrene	50	0.0821		0.05	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
phenol	1	2.56	*U*	2.5	*U*	2.56	*U*	NA		NA		NA	
pyrene	50	0.0718		0.05	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	
	TOTAL SVOCs	**2.71**		**0.27**		**1.08**		**0.10**		**1.30**		**0.18**	

Detected concentrations
Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: SVOCs in Groundwater
NYSDEC Site ID: C241172
GBTS File: GQ14076

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-03 20200505**		**DUP-20200505**		**2MW-04 20180402**		**2MW-04 20180802**		**2MW-04 20190314**	
U= Not Detected ≥ indicated value	Sample Date	(2020-05-05)		(2020-05-05)		(2018-04-02)		(2018-08-02)		(2019-03-14)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1		1		1	
SVOCs, 8270	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-biphenyl	5	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
1,2,4,5-tetrachlorobenzene	5	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
1,2,4-trichlorobenzene	5	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
1,2-dichlorobenzene	3	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
1,2-diphenylhydrazine (azobenzene)	ND	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
1,3-dichlorobenzene	3	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
1,4-dichlorobenzene	3	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
2,3,4,6-tetrachlorophenol	NA	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
2,4,5-trichlorophenol	NA	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
2,4,6-trichlorophenol	NA	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
2,4-dichlorophenol	5	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
2,4-dimethylphenol	50	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
2,4-dinitrophenol	10	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
2,4-dinitrotoluene	5	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
2,6-dinitrotoluene	5	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
2-chloronaphthalene	10	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
2-chlorophenol	NA	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
2-methylnaphthalene	NA	2.56	*U*	2.56	*U*	2.56	*U*	2.5	*U*	2.56	*U*
2-methylphenol	NA	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
2-nitroaniline	5	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
2-nitrophenol	NA	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
3- & 4-methylphenols	NA	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
3,3'-dichlorobenzidine	5	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
3-nitroaniline	5	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
4,6-dinitro-2-methylphenol	NA	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
4-bromophenyl phenyl ether	NA	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
4-chloro-3-methylphenol	NA	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
4-chloroaniline	5	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
4-chlorophenyl phenyl ether	NA	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
4-nitroaniline	5	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
4-nitrophenol	5	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
acenaphthene	20	0.0615		0.0615		4.36		2.91		0.615	
acenaphthylene	NA	0.0513	*U*	0.0513	*U*	0.0821		0.05	*U*	0.0513	*U*
acetophenone	NA	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
aniline	5	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
anthracene	50	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.07		0.236	
atrazine	7.5	NA		NA		0.513	*U*	0.5	*U*	0.513	*U*
benzaldehyde	NA	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
benzidine	5	NA		NA		10.3	*U*	10	*U*	10.3	*U*
benzo(a)anthracene	0.002	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.05	*U*	0.0513	*U*
benzo(a)pyrene	ND	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.05	*U*	0.0513	*U*
benzo(b)fluoranthene	0.002	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.05	*U*	0.0513	*U*
benzo(g,h,i)perylene	NA	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.05	*U*	0.0513	*U*
benzo(k)fluoranthene	0.002	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.05	*U*	0.0513	*U*
benzoic acid	NA	NA		NA		25.6	*U*	25	*U*	25.6	*U*
benzyl alcohol	NA	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
benzyl butyl phthalate	50	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
bis(2-chloroethoxy)methane	5	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
bis(2-chloroethyl)ether	1	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
bis(2-chloroisopropyl)ether	NA	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
bis(2-ethylhexyl)phthalate	5	0.513	*U*	0.513	*U*	0.513	*U*	0.5	*U*	0.513	*U*
caprolactam	NA	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
carbazole	NA	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
chrysene	0.002	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.05	*U*	0.0513	*U*
dibenzo(a,h)anthracene	NA	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.05	*U*	0.0513	*U*
dibenzofuran	NA	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
diethyl phthalate	50	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
dimethyl phthalate	50	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
di-n-butyl phthalate	50	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
di-n-octyl phthalate	50	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
fluoranthene	50	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.05	*U*	0.0513	*U*
fluorene	50	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.05	*U*	0.0513	*U*
hexachlorobenzene	0.04	NA		NA		0.0205	*U*	0.02	*U*	0.0205	*U*
hexachlorobutadiene	0.5	NA		NA		0.513	*U*	0.5	*U*	0.513	*U*
hexachlorocyclopentadiene	5	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
hexachloroethane	5	NA		NA		0.513	*U*	0.5	*U*	0.513	*U*
indeno(1,2,3-cd)pyrene	0.002	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.05	*U*	0.0513	*U*
isophorone	50	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
naphthalene	10	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.05	*U*	0.318	
nitrobenzene	0.4	NA		NA		0.256	*U*	0.25	*U*	0.256	*U*
n-nitrosodimethylamine	50	NA		NA		0.513	*U*	0.5	*U*	0.513	*U*
n-nitroso-di-n-propylamine	NA	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
n-nitrosodiphenylamine	50	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
pentachlorophenol	1	NA		NA		0.256	*U*	0.25	*U*	0.256	*U*
phenanthrene	50	0.0513	*U*	0.0513	*U*	0.103		0.05	*U*	0.0513	*U*
phenol	1	NA		NA		2.56	*U*	2.5	*U*	2.56	*U*
pyrene	50	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.05	*U*	0.0513	*U*
	TOTAL SVOCs	**0.06**		**0.06**		**4.55**		**2.98**		**1.17**	

Detected concentrations
Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: SVOCs in Groundwater
NYSDEC Site ID: C241172
GBTS File: GQ14076

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-04 20190613**		**DUP-20190613**		**2MW-04 20190917**		**2MW-04 20200115**		**2MW-04 20200505**		**2MW-05 20180402**	
U= Not Detected ≥ indicated value	Sample Date	(2019-06-14)		(2019-06-13)		(2019-09-17)		(2020-01-15)		(2020-05-05)		(2018-04-02)	
Data above AWQS shown in **Bold**	Dilution Factor			1		1		1		1		1	
SVOCs, 8270	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-biphenyl	5	NA		NA		NA		NA		NA		2.56	*U*
1,2,4,5-tetrachlorobenzene	5	NA		NA		NA		NA		NA		2.56	*U*
1,2,4-trichlorobenzene	5	NA		NA		NA		NA		NA		2.56	*U*
1,2-dichlorobenzene	3	NA		NA		NA		NA		NA		2.56	*U*
1,2-diphenylhydrazine (azobenzene)	ND	NA		NA		NA		NA		NA		2.56	*U*
1,3-dichlorobenzene	3	NA		NA		NA		NA		NA		2.56	*U*
1,4-dichlorobenzene	3	NA		NA		NA		NA		NA		2.56	*U*
2,3,4,6-tetrachlorophenol	NA	NA		NA		NA		NA		NA		2.56	*U*
2,4,5-trichlorophenol	NA	NA		NA		NA		NA		NA		2.56	*U*
2,4,6-trichlorophenol	NA	NA		NA		NA		NA		NA		2.56	*U*
2,4-dichlorophenol	5	NA		NA		NA		NA		NA		2.56	*U*
2,4-dimethylphenol	50	NA		NA		NA		NA		NA		2.56	*U*
2,4-dinitrophenol	10	NA		NA		NA		NA		NA		2.56	*U*
2,4-dinitrotoluene	5	NA		NA		NA		NA		NA		2.56	*U*
2,6-dinitrotoluene	5	NA		NA		NA		NA		NA		2.56	*U*
2-chloronaphthalene	10	NA		NA		NA		NA		NA		2.56	*U*
2-chlorophenol	NA	NA		NA		NA		NA		NA		2.56	*U*
2-methylnaphthalene	NA	2.94	*U*	2.63	*U*	2.56	*U*	2.56	*U*	2.63	*U*	2.56	*U*
2-methylphenol	NA	NA		NA		NA		NA		NA		2.56	*U*
2-nitroaniline	5	NA		NA		NA		NA		NA		2.56	*U*
2-nitrophenol	NA	NA		NA		NA		NA		NA		2.56	*U*
3- & 4-methylphenols	NA	NA		NA		NA		NA		NA		2.56	*U*
3,3'-dichlorobenzidine	5	NA		NA		NA		NA		NA		2.56	*U*
3-nitroaniline	5	NA		NA		NA		NA		NA		2.56	*U*
4,6-dinitro-2-methylphenol	NA	NA		NA		NA		NA		NA		2.56	*U*
4-bromophenyl phenyl ether	NA	NA		NA		NA		NA		NA		2.56	*U*
4-chloro-3-methylphenol	NA	NA		NA		NA		NA		NA		2.56	*U*
4-chloroaniline	5	NA		NA		NA		NA		NA		2.56	*U*
4-chlorophenyl phenyl ether	NA	NA		NA		NA		NA		NA		2.56	*U*
4-nitroaniline	5	NA		NA		NA		NA		NA		2.56	*U*
4-nitrophenol	5	NA		NA		NA		NA		NA		2.56	*U*
acenaphthene	20	1.68		1.55		1.95		1.71		0.716		0.615	
acenaphthylene	NA	0.0588	*U*	0.0526	*U*	0.0513	*U*	0.0513	*U*	0.0526	*U*	0.0513	*U*
acetophenone	NA	NA		NA		NA		NA		NA		2.56	*U*
aniline	5	NA		NA		NA		NA		NA		2.56	*U*
anthracene	50	0.0588	*U*	0.0526	*U*	0.0513	*U*	0.0513	*U*	0.0526	*U*	0.236	
atrazine	7.5	NA		NA		NA		NA		NA		0.513	*U*
benzaldehyde	NA	NA		NA		NA		NA		NA		2.56	*U*
benzidine	5	NA		NA		NA		NA		NA		10.3	*U*
benzo(a)anthracene	0.002	0.0588	*U*	0.0526	*U*	0.0513	*U*	0.0513	*U*	0.0526	*U*	0.0513	*U*
benzo(a)pyrene	ND	0.0588	*U*	0.0526	*U*	0.0513	*U*	0.0513	*U*	0.0526	*U*	0.0513	*U*
benzo(b)fluoranthene	0.002	0.0588	*U*	0.0526	*U*	0.0513	*U*	0.0513	*U*	0.0526	*U*	0.0513	*U*
benzo(g,h,i)perylene	NA	0.0588	*U*	0.0526	*U*	0.0513	*U*	0.0513	*U*	0.0526	*U*	0.0513	*U*
benzo(k)fluoranthene	0.002	0.0588	*U*	0.0526	*U*	0.0513	*U*	0.0513	*U*	0.0526	*U*	0.0513	*U*
benzoic acid	NA	NA		NA		NA		NA		NA		25.6	*U*
benzyl alcohol	NA	NA		NA		NA		NA		NA		2.56	*U*
benzyl butyl phthalate	50	NA		NA		NA		NA		NA		2.56	*U*
bis(2-chloroethoxy)methane	5	NA		NA		NA		NA		NA		2.56	*U*
bis(2-chloroethyl)ether	1	NA		NA		NA		NA		NA		2.56	*U*
bis(2-chloroisopropyl)ether	NA	NA		NA		NA		NA		NA		2.56	*U*
bis(2-ethylhexyl)phthalate	5	NA		NA		0.513	*U*	0.8		0.526	*U*	0.513	*U*
caprolactam	NA	NA		NA		NA		NA		NA		2.56	*U*
carbazole	NA	NA		NA		NA		NA		NA		2.56	*U*
chrysene	0.002	0.0588	*U*	0.0526	*U*	0.0513	*U*	0.0513	*U*	0.526	*U*	0.0513	*U*
dibenzo(a,h)anthracene	NA	0.0588	*U*	0.0526	*U*	0.0513	*U*	0.0513	*U*	0.526	*U*	0.0513	*U*
dibenzofuran	NA	NA		NA		NA		NA		NA		2.56	*U*
diethyl phthalate	50	NA		NA		NA		NA		NA		2.56	*U*
dimethyl phthalate	50	NA		NA		NA		NA		NA		2.56	*U*
di-n-butyl phthalate	50	NA		NA		NA		NA		NA		2.56	*U*
di-n-octyl phthalate	50	NA		NA		NA		NA		NA		2.56	*U*
fluoranthene	50	0.0588	*U*	0.0526	*U*	0.0513	*U*	0.0513	*U*	0.526	*U*	0.0513	*U*
fluorene	50	0.0588	*U*	0.0526	*U*	0.0513	*U*	0.0513	*U*	0.526	*U*	0.0513	*U*
hexachlorobenzene	0.04	NA		NA		NA		NA		NA		0.0205	*U*
hexachlorobutadiene	0.5	NA		NA		NA		NA		NA		0.513	*U*
hexachlorocyclopentadiene	5	NA		NA		NA		NA		NA		2.56	*U*
hexachloroethane	5	NA		NA		NA		NA		NA		0.513	*U*
indeno(1,2,3-cd)pyrene	0.002	0.0588	*U*	0.0526	*U*	0.0513	*U*	0.0513	*U*	0.526	*U*	0.0513	*U*
isophorone	50	NA		NA		NA		NA		NA		2.56	*U*
naphthalene	10	0.0588	*U*	0.0526	*U*	0.0513	*U*	0.0513	*U*	0.526	*U*	0.318	
nitrobenzene	0.4	NA		NA		NA		NA		NA		0.256	*U*
n-nitrosodimethylamine	50	NA		NA		NA		NA		NA		0.513	*U*
n-nitroso-di-n-propylamine	NA	NA		NA		NA		NA		NA		2.56	*U*
n-nitrosodiphenylamine	50	NA		NA		NA		NA		NA		2.56	*U*
pentachlorophenol	1	NA		NA		NA		NA		NA		0.256	*U*
phenanthrene	50	0.0588	*U*	0.0526	*U*	0.0513	*U*	0.0513	*U*	0.526	*U*	0.0513	*U*
phenol	1	NA		NA		NA		NA		NA		2.56	*U*
pyrene	50	0.0588	*U*	0.0526	*U*	0.0513	*U*	0.0513	*U*	0.526	*U*	0.0513	*U*
	TOTAL SVOCs	**1.68**		**1.55**		**1.95**		**2.51**		**0.72**		**1.17**	

Detected concentrations
Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: SVOCs in Groundwater
NYSDEC Site ID: C241172
GBTS File: GQ14076

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-05 20180802**		**DUP-20180802**		**2MW-05**		**2MW-05 20190613**		**2MW-05 20190917**	
U= Not Detected ≥ indicated value	Sample Date	(2018-08-02)		(2018-08-02)		(2019-03-14)		(2019-06-13)		(2019-09-17)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1				1		1	
SVOCs, 8270	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-biphenyl	5	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
1,2,4,5-tetrachlorobenzene	5	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
1,2,4-trichlorobenzene	5	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
1,2-dichlorobenzene	3	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
1,2-diphenylhydrazine (azobenzene)	ND	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
1,3-dichlorobenzene	3	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
1,4-dichlorobenzene	3	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
2,3,4,6-tetrachlorophenol	NA	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
2,4,5-trichlorophenol	NA	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
2,4,6-trichlorophenol	NA	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
2,4-dichlorophenol	5	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
2,4-dimethylphenol	50	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
2,4-dinitrophenol	10	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
2,4-dinitrotoluene	5	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
2,6-dinitrotoluene	5	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
2-chloronaphthalene	10	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
2-chlorophenol	NA	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
2-methylnaphthalene	NA	2.5	*U*	2.5	*U*	*No Data*		2.86	*U*	2.78	*U*
2-methylphenol	NA	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
2-nitroaniline	5	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
2-nitrophenol	NA	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
3- & 4-methylphenols	NA	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
3,3'-dichlorobenzidine	5	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
3-nitroaniline	5	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
4,6-dinitro-2-methylphenol	NA	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
4-bromophenyl phenyl ether	NA	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
4-chloro-3-methylphenol	NA	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
4-chloroaniline	5	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
4-chlorophenyl phenyl ether	NA	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
4-nitroaniline	5	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
4-nitrophenol	5	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
acenaphthene	20	0.42		0.56		*No Data*		0.137		0.256	
acenaphthylene	NA	0.05	*U*	0.05	*U*	*No Data*		0.0571	*U*	0.0556	*U*
acetophenone	NA	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
aniline	5	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
anthracene	50	0.09		0.09		*No Data*		0.0571	*U*	0.0556	*U*
atrazine	7.5	0.5	*U*	0.5	*U*	*No Data*		NA		NA	
benzaldehyde	NA	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
benzidine	5	10	*U*	10	*U*	*No Data*		NA		NA	
benzo(a)anthracene	0.002	0.05	*U*	0.05	*U*	*No Data*		0.0571	*U*	0.0556	*U*
benzo(a)pyrene	ND	0.05	*U*	0.05	*U*	*No Data*		0.0571	*U*	0.0556	*U*
benzo(b)fluoranthene	0.002	0.05	*U*	0.05	*U*	*No Data*		0.0571	*U*	0.0556	*U*
benzo(g,h,i)perylene	NA	0.05	*U*	0.05	*U*	*No Data*		0.0571	*U*	0.0556	*U*
benzo(k)fluoranthene	0.002	0.05	*U*	0.05	*U*	*No Data*		0.0571	*U*	0.0556	*U*
benzoic acid	NA	25	*U*	25	*U*	*No Data*		NA		NA	
benzyl alcohol	NA	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
benzyl butyl phthalate	50	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
bis(2-chloroethoxy)methane	5	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
bis(2-chloroethyl)ether	1	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
bis(2-chloroisopropyl)ether	NA	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
bis(2-ethylhexyl)phthalate	5	0.5	*U*	0.5	*U*	*No Data*		NA		0.556	*U*
caprolactam	NA	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
carbazole	NA	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
chrysene	0.002	0.05	*U*	0.05	*U*	*No Data*		0.0571	*U*	0.0556	*U*
dibenzo(a,h)anthracene	NA	0.05	*U*	0.05	*U*	*No Data*		0.0571	*U*	0.0556	*U*
dibenzofuran	NA	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
diethyl phthalate	50	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
dimethyl phthalate	50	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
di-n-butyl phthalate	50	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
di-n-octyl phthalate	50	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
fluoranthene	50	0.05	*U*	0.05	*U*	*No Data*		0.0571	*U*	0.0556	*U*
fluorene	50	0.05	*U*	0.05	*U*	*No Data*		0.0571	*U*	0.0556	*U*
hexachlorobenzene	0.04	0.02	*U*	0.02	*U*	*No Data*		NA		NA	
hexachlorobutadiene	0.5	0.5	*U*	0.5	*U*	*No Data*		NA		NA	
hexachlorocyclopentadiene	5	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
hexachloroethane	5	0.5	*U*	0.5	*U*	*No Data*		NA		NA	
indeno(1,2,3-cd)pyrene	0.002	0.05	*U*	0.05	*U*	*No Data*		0.0571	*U*	0.0556	*U*
isophorone	50	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
naphthalene	10	2.65		3.42		*No Data*		0.0571	*U*	0.0556	*U*
nitrobenzene	0.4	0.25	*U*	0.25	*U*	*No Data*		NA		NA	
n-nitrosodimethylamine	50	0.5	*U*	0.5	*U*	*No Data*		NA		NA	
n-nitroso-di-n-propylamine	NA	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
n-nitrosodiphenylamine	50	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
pentachlorophenol	1	0.25	*U*	0.25	*U*	*No Data*		NA		NA	
phenanthrene	50	0.05	*U*	0.05	*U*	*No Data*		0.0571	*U*	0.0556	*U*
phenol	1	2.5	*U*	2.5	*U*	*No Data*		NA		NA	
pyrene	50	0.05	*U*	0.05	*U*	*No Data*		0.0571	*U*	0.0556	*U*
	TOTAL SVOCs	**3.16**		**4.07**		No Data		**0.14**		**0.26**	

Detected concentrations
Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: SVOCs in Groundwater
NYSDEC Site ID: C241172
GBTS File: GQ14076

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-05 20200115**		**2MW-05 20200505**	
U= Not Detected ≥ indicated value	Sample Date	(2020-01-15)		(2020-05-05)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1	
SVOCs, 8270	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-biphenyl	5	NA		NA	
1,2,4,5-tetrachlorobenzene	5	NA		NA	
1,2,4-trichlorobenzene	5	NA		NA	
1,2-dichlorobenzene	3	NA		NA	
1,2-diphenylhydrazine (azobenzene)	ND	NA		NA	
1,3-dichlorobenzene	3	NA		NA	
1,4-dichlorobenzene	3	NA		NA	
2,3,4,6-tetrachlorophenol	NA	NA		NA	
2,4,5-trichlorophenol	NA	NA		NA	
2,4,6-trichlorophenol	NA	NA		NA	
2,4-dichlorophenol	5	NA		NA	
2,4-dimethylphenol	50	NA		NA	
2,4-dinitrophenol	10	NA		NA	
2,4-dinitrotoluene	5	NA		NA	
2,6-dinitrotoluene	5	NA		NA	
2-chloronaphthalene	10	NA		NA	
2-chlorophenol	NA	NA		NA	
2-methylnaphthalene	NA	2.56	*U*	2.56	*U*
2-methylphenol	NA	NA		NA	
2-nitroaniline	5	NA		NA	
2-nitrophenol	NA	NA		NA	
3- & 4-methylphenols	NA	NA		NA	
3,3'-dichlorobenzidine	5	NA		NA	
3-nitroaniline	5	NA		NA	
4,6-dinitro-2-methylphenol	NA	NA		NA	
4-bromophenyl phenyl ether	NA	NA		NA	
4-chloro-3-methylphenol	NA	NA		NA	
4-chloroaniline	5	NA		NA	
4-chlorophenyl phenyl ether	NA	NA		NA	
4-nitroaniline	5	NA		NA	
4-nitrophenol	5	NA		NA	
acenaphthene	20	0.144		0.318	
acenaphthylene	NA	0.0513	*U*	0.0513	*U*
acetophenone	NA	NA		NA	
aniline	5	NA		NA	
anthracene	50	0.0513	*U*	0.0513	*U*
atrazine	7.5	NA		NA	
benzaldehyde	NA	NA		NA	
benzidine	5	NA		NA	
benzo(a)anthracene	0.002	0.0513	*U*	0.0513	*U*
benzo(a)pyrene	ND	0.0513	*U*	0.0513	*U*
benzo(b)fluoranthene	0.002	0.0513	*U*	0.0513	*U*
benzo(g,h,i)perylene	NA	0.0513	*U*	0.0513	*U*
benzo(k)fluoranthene	0.002	0.0513	*U*	0.0513	*U*
benzoic acid	NA	NA		NA	
benzyl alcohol	NA	NA		NA	
benzyl butyl phthalate	50	NA		NA	
bis(2-chloroethoxy)methane	5	NA		NA	
bis(2-chloroethyl)ether	1	NA		NA	
bis(2-chloroisopropyl)ether	NA	NA		NA	
bis(2-ethylhexyl)phthalate	5	0.718		0.0513	*U*
caprolactam	NA	NA		NA	
carbazole	NA	NA		NA	
chrysene	0.002	0.0513	*U*	0.0513	*U*
dibenzo(a,h)anthracene	NA	0.0513	*U*	0.0513	*U*
dibenzofuran	NA	NA		NA	
diethyl phthalate	50	NA		NA	
dimethyl phthalate	50	NA		NA	
di-n-butyl phthalate	50	NA		NA	
di-n-octyl phthalate	50	NA		NA	
fluoranthene	50	0.0513	*U*	0.0513	*U*
fluorene	50	0.0513	*U*	0.0513	*U*
hexachlorobenzene	0.04	NA		NA	
hexachlorobutadiene	0.5	NA		NA	
hexachlorocyclopentadiene	5	NA		NA	
hexachloroethane	5	NA		NA	
indeno(1,2,3-cd)pyrene	0.002	0.0513	*U*	0.0513	*U*
isophorone	50	NA		NA	
naphthalene	10	0.0513	*U*	0.0513	*U*
nitrobenzene	0.4	NA		NA	
n-nitrosodimethylamine	50	NA		NA	
n-nitroso-di-n-propylamine	NA	NA		NA	
n-nitrosodiphenylamine	50	NA		NA	
pentachlorophenol	1	NA		NA	
phenanthrene	50	0.0513	*U*	0.0513	*U*
phenol	1	NA		NA	
pyrene	50	0.0513	*U*	0.0615	
	TOTAL SVOCs	**0.86**		**0.38**	

Detected concentrations
Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

APPENDIX C

Side-wide Inspection Form

SITE-WIDE INSPECTION FORM

GDC LIC Development Site (NYSDEC Site ID: C241172)
Long Island City, Queens, New York

GALLAGHER BASSETT | TECHNICAL SERVICES

Inspection Date: May 5, 2020 Weather: 60s°F, sunny

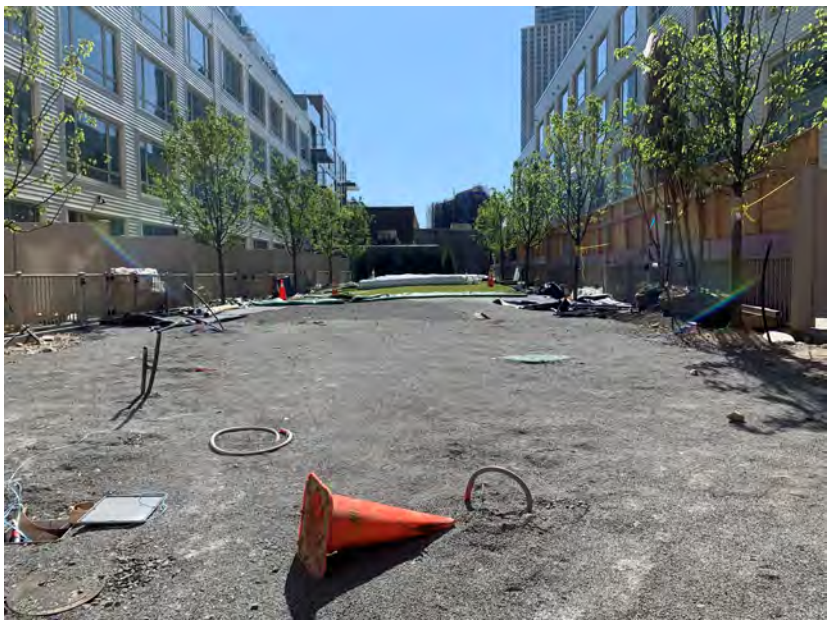
Inspection Item	Yes	No	NA	Comments (include corrective actions)
General Checklist (use reverse side for additional comments or drawings)				
Change of ownership or use (Restricted Residential)? Transfer of COC?		X		
Erection of structures?		X		ongoing construction, no new buildings
Any activity likely to disrupt or expose contamination?		X		equipment staging above cover
Any activity that will/may interfere with remedial program elements, or continued ability to implement engineering or institutional controls?		X		
Cover System Monitoring Checklist				
Were there any ground-intrusive activities conducted (installation/relocation of utilities, etc.)? If so, specify.	X			cover disurbed during repair of courtyard piping, then restored
Is there evidence that ground-intrusive activities were conducted? If so, specify.		X		
Are there signs of soil erosion in the landscaped areas that could interfere with the cover system integrity? If so, specify.		X		no evidence of issues at lanscaping, exposed soil or crushed bule stone areas
Are there any holes, cracks, vegetation, or physical deficiencies in paved areas? If so, sketch area on reverse side.		X		
Areas of significant ponding on-site?		X		
Are there any holes, cracks, vegetation, or physical deficiencies in the building floor slab? If so, identify the building and sketch area on reverse side.		X		
Groundwater Monitoring Well Network				
Monitoring wells (2MW-1 to 2MW-5) usable/in good condition?	X			Monitoring well 2MW-02 was not accessible during the May 2020 sampling round
SSDS Checklist (review for all on-site buildings, report on problems in specific buildings as needed)				
Each riser pipe: holes, cracks or other problems?		X		no evidence at visible roof locations
Each discharge vent pipe: functional and maintained?			X	
Each fan/turbine: operating?			X	Wind turbines have been installed at passive SSDS effluent at units along 45th Road
Each monitoring device (if present): Sufficient vacuum?			X	
Site Records				
Operator has updated SMP and FER available on-site?	X			

Inspector Name: Victoria Panico Inspector Signature: Victoria Panico

Previous Inspection Date: May 19, 2019 Next Inspection Date: April 2021

APPENDIX D

Photographs



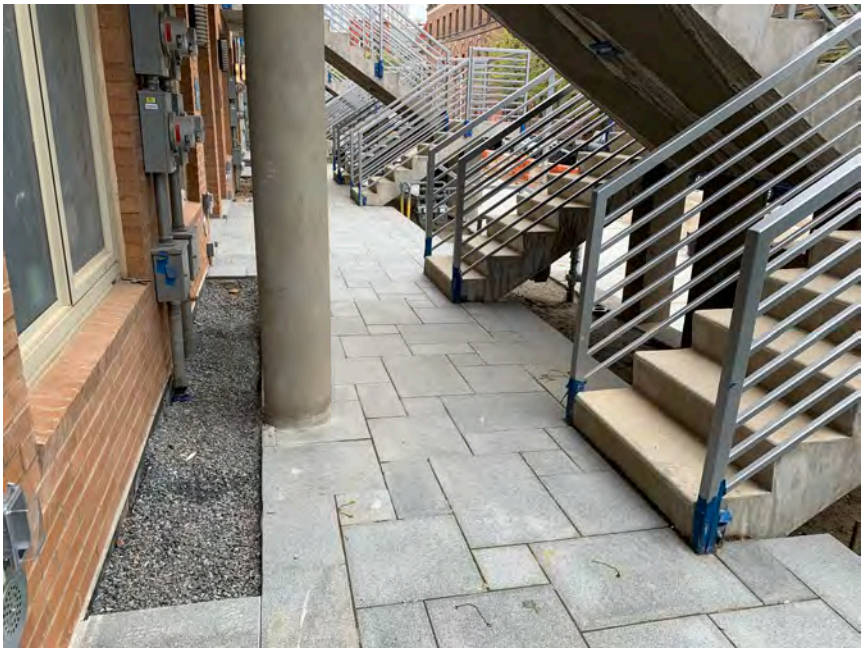
1. Cover system consisting of imported clean soil and crushed stone, exterior courtyard area

2. Construction at unit 134

3. Concrete building slab at unit 134, observed to be in good condition

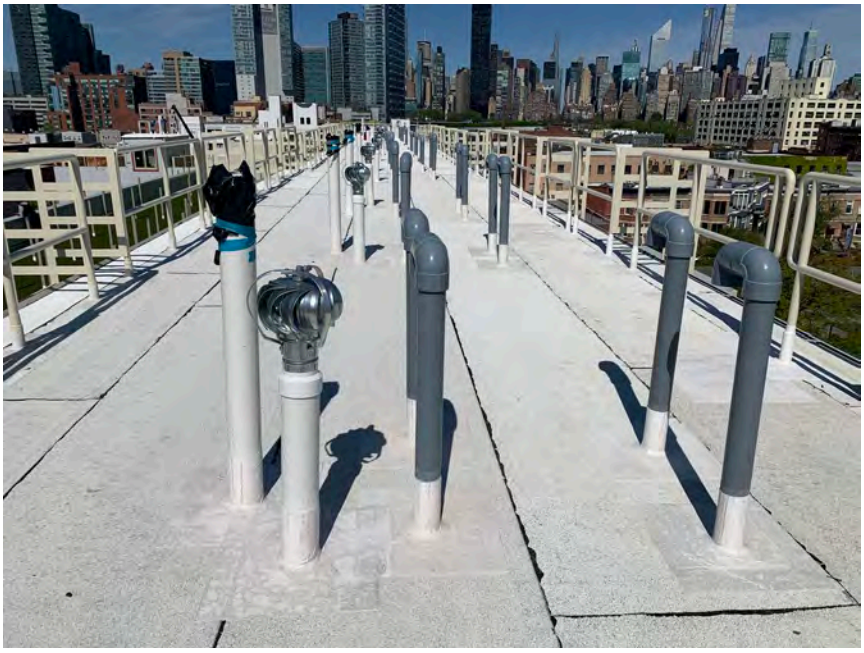
4. Typical cover system at building interior (concrete building slab, unit 127)

5. Typical cover system at rear yards (pavement over imported clean materials)



6. Typical cover system along 46th Avenue (stone and pavement, overlying imported clean soil)

7. SSDS roof riser pipes at units 113 to 130, along 46th Avenue



8. SSDS roof wind turbines at units 139 through 150, along 45th Road

9. Off-site groundwater monitoring well (2MW-03) in good condition, along 45th Road

10. Off-site groundwater monitoring well (2MW-05) in good condition, along 45th Road

APPENDIX E

Engineering Controls Certification Form

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation
625 Broadway, 11th Floor, Albany, NY 12233-7020
P: (518)402-9543 | F: (518)402-9547
www.dec.ny.gov

3/10/2020

Michael Orlandi
Representative
GDC LIC Owner LLC
245 Saw Mill River Road
Hawthorne, NY 10532

Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal
Site Name: GDC LIC Development
Site No.: C241172
Site Address: 45-35 11th Street and 11-22 45th Road
Queens, NY 11101

Dear Michael Orlandi:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of, and compliance with, site-specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at http://www.dec.ny.gov/regulations/67386.html) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **May 21, 2020**. Guidance on the content of a PRR is enclosed.

Site Management is defined in regulation (6 NYCRR 375-1.2(at)) and in Chapter 6 of DER-10. Depending on when the remedial program for your site was completed, SM may be governed by multiple documents (e.g., Operation, Maintenance, and Monitoring Plan; Soil Management Plan) or one comprehensive Site Management Plan.

A Site Management Plan (SMP) may contain one or all of the following elements, as applicable to the site: a plan to maintain institutional controls and/or engineering controls ("IC/EC Plan"); a plan for monitoring the performance and effectiveness of the selected remedy ("Monitoring Plan"); and/or a plan for the operation and maintenance of the selected remedy ("O&M Plan"). Additionally, the technical requirements for SM are stated in the decision document (e.g., Record of Decision) and, in some cases, the legal agreement directing the remediation of the site (e.g., order on consent, voluntary agreement, etc.).

When you submit the PRR (by the due date above), include the enclosed forms documenting that all SM requirements are being met. The Institutional Controls (ICs) portion of the form (Box 6) must be signed by you or your designated representative. The Engineering Controls (ECs) portion of the form (Box 7) must be signed by a Professional Engineer (PE). If you cannot certify that all SM requirements are being met, you must submit a Corrective Measures Work Plan that identifies the actions to be taken to restore compliance. The work plan must include a schedule to be approved by the Department. The Periodic Review process will not be considered complete until all necessary corrective measures are completed and all required controls are certified. Instructions for completing the certifications are enclosed.

All site-related documents and data, including the PRR, must be submitted in electronic format to the Department of Environmental Conservation. The required format for documents is an Adobe PDF file with optical character recognition and no password protection. Data must be submitted as an electronic data deliverable (EDD) according to the instructions on the following webpage:

https://www.dec.ny.gov/chemical/62440.html

Documents may be submitted to the project manager either through electronic mail or by using the Department's file transfer service at the following webpage:

https://fts.dec.state.ny.us/fts/

The Department will not approve the PRR unless all documents and data generated in support of the PRR have been submitted using the required formats and protocols.

You may contact Alicia Barraza, the Project Manager, at 518-402-9690 or alicia.barraza@dec.ny.gov with any questions or concerns about the site. Please notify the project manager before conducting inspections or field work. You may also write to the project manager at the following address:

New York State Department of Environmental Conservation
Division of Environmental Remediation, BURB
625 Broadway
Albany, NY 12233-7016

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

ec: w/ enclosures
Alicia Barraza, Project Manager
Michael Komoroske, Section Chief
Jane O'Connell, Hazardous Waste Remediation Supervisor, Region 2
Gallagher Bassett Technical Servies Division - Scott Spitzer - scott_spitzer@gbtpa.com

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7**):**

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.

- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

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

Site Details **Box 1**

Site No. C241172

Site Name GDC LIC Development

Site Address: 45-35 11th Street and 11-22 45th Road Zip Code: 11101
City/Town: Queens
County: Queens
Site Acreage: 1.148

Reporting Period: April 21, 2019 to April 21, 2020

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

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

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

	YES	NO
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	X	☐

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

SITE NO. C241172 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
4-54-13	GDC LIC Owner LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

1. Requires the remedial party or site owner to submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-l .8(h)(3);
2. Allows for use and development of the property for restricted residential, commercial and industrial uses as defined in Part 375-l.8(g) and in accordance with applicable local zoning;
3. Restricts the use of groundwater as a source of potable or process water, without the necessary water quality treatment as determined by NYS Department of Health and NYC Department of Health and Mental Hygiene;
4. Requires compliance with the Department approved Site Management Plan.

4-54-20	GDC LIC Owner LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

1. Requires the remedial party or site owner to submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-l .8(h)(3);
2. Allows for use and development of the property for restricted residential, commercial and industrial uses as defined in Part 375-l.8(g) and in accordance with applicable local zoning;
3. Restricts the use of groundwater as a source of potable or process water, without the necessary water quality treatment as determined by NYS Department of Health and NYC Department of Health and Mental Hygiene;
4. Requires compliance with the Department approved Site Management Plan.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
4-54-13	Cover System
A site cover system will be required to allow for restricted residential use of the site. The cover will consist either of the structures such as buildings, pavement, sidewalks, or a soil cover in areas where the upper two feet of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs). The soil cover will consist of a minimum of two feet of clean soil, as set forth in 6 NYCRR Part 375-6.7(d) for restricted residential use. The soil cover will be placed over a demarcation layer, with the upper six inches of the soil of sufficient quality to maintain a vegetation layer. Any fill material brought to the site will meet the requirements for the identified site use as set forth in 6 NYCRR Part 375-6.7(d).	
4-54-20	Cover System
A site cover system will be required to allow for restricted residential use of the site. The cover will consist either of the structures such as buildings, pavement, sidewalks, or a soil cover in areas where the upper two feet of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs). The soil cover will consist of a minimum of two feet of clean soil, as set forth in 6 NYCRR Part 375-6.7(d) for restricted residential use. The soil cover will be placed over a demarcation layer, with the upper six inches of the soil of sufficient quality to maintain a vegetation layer. Any fill material brought to the site will meet the requirements for the identified site use as set forth in 6 NYCRR Part 375-6.7(d).	

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. 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
X	☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C241172

Box 6

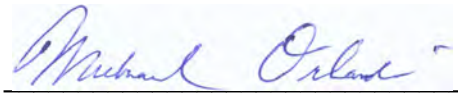
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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 Michael Orlandi (print name) at 245 Saw Mill River Rd, Hawthorne, NY 10532 (print business address),

am certifying as Owner (Owner or Remedial Party)

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



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

5/26/20
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 PHILIP BELL at 334 NORTH FOSTERTOWN DR, NEWBURGH NY 12550
print name print business address

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

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

Stamp (Required for PE)

5/27/20
Date

Enclosure 3
Periodic Review Report (PRR) General Guidance

I. Executive Summary: (1/2-page or less)
   A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
   B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
      1. progress made during the reporting period toward meeting the remedial objectives for the site
      2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
   C. Compliance
      1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
      2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
   D. Recommendations
      1. recommend whether any changes to the SMP are needed
      2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
      3. recommend whether the requirements for discontinuing site management have been met.

II. Site Overview (one page or less)
   A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
   B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness
   Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations and should be presented simply and concisely.

IV. IC/EC Plan Compliance Report (if applicable)
   A. IC/EC Requirements and Compliance
      1. Describe each control, its objective, and how performance of the control is evaluated.
      2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
      3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
      4. Conclusions and recommendations for changes.
   B. IC/EC Certification
      1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).

V. Monitoring Plan Compliance Report (if applicable)
   A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
   B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
   C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
   D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
   E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.

VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
   A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
   B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
   C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated

the ability of each component of the remedy subject to O&M requirements to perform as designed/expected.

D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.

E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;
   1. whether all requirements of each plan were met during the reporting period
   2. any requirements not met
   3. proposed plans and a schedule for coming into full compliance.

B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.

C. Future PRR Submittals
   1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
   2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.