

February 17, 2023

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**Subject: Carrier Corporation, Thompson Road Facility, Syracuse, New York
Corrective Action Order — Index CO 7-20051118-4
Site Registry No.: 734043
2022 Annual Site-Wide Groundwater Monitoring Report**

Dear Mr. Belveg:

On behalf of Carrier Corporation, AECOM Technical Services, Inc. is hereby submitting the attached 2022 Annual Site-Wide Groundwater Monitoring Report.

Please call if you have any questions (919.461.1194).

Sincerely,



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ANNUAL SITE-WIDE GROUNDWATER MONITORING 2022

Carrier Corporation Site
Thompson Road, Syracuse, NY

Corrective Action Order – Index CO 7-20051118-4
NYSDEC Site Registry #734043

Project Number: 60676549

February 2023

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1. Introduction

Carrier is performing environmental remediation activities at the Carrier Thompson Road Facility (Site) in Syracuse, Onondaga County, New York (**Figure 1**). Carrier retained AECOM USA, Inc. (AECOM) to provide environmental engineering and investigation support services. Environmental work at the Site is being performed in accordance with the January 2006 Corrective Action Order on Consent (CO) (NYSDEC, 2006) negotiated with the New York State Department of Environmental Conservation (NYSDEC).

Groundwater at the Site has been sampled on a routine basis in accordance with the 2009 Site-Wide Monitoring Plan (SWMP) (EnSafe, 2009) prepared by EnSafe, Inc. (EnSafe). At that time, the existing Site groundwater monitoring locations consisted of approximately 20 monitoring wells and 45 piezometers. Since 2009, a series of monitoring points were installed. As a result, there are currently 96 monitoring wells and over 38 piezometers located across the Site (see **Figure 2**).

Groundwater sampling at the Site was conducted semi-annually from 1990 through 1999, and then on an annual basis from 2000 to 2017 (NYSDEC approved the delay of annual sampling in 2016 due to significant investigation activity being performed).

1. AECOM prepared and submitted a revised Annual Site-Wide Groundwater Monitoring Plan (SWGMP) (AECOM, 2017) in October 2017. It was approved by the NYSDEC on October 27, 2017. The Annual SWGMP (as revised in 2017) was developed considering the CO requirement that groundwater monitoring must continue to demonstrate that contaminants are not migrating off-Site and are not causing a threat to human health or the environment.

The Annual SWGMP includes inspection of wells, collection of water levels for use in determining groundwater flow, and collection and analyses of groundwater samples to evaluate groundwater quality.

The previous Site-wide groundwater monitoring event took place in September 2021. The findings were reported in the Annual Site-wide Groundwater Monitoring 2021 Report (AECOM, 2022). Groundwater monitoring and sampling was performed in September 2022 in accordance with the Annual SWGMP. This report presents the procedures and findings of the September 2022 sampling event.

2. Background

2.1 Facility Description

The Site is in the northeast portion of Syracuse, New York, approximately one mile south of the New York State Thruway. The Site is bordered by New York State Route 298 to the north, Thompson Road to the west, Kinne Street to the east, and a baseball field and industrial area (Verizon) to the south. The Site is relatively flat with a slight downward slope to the north toward Sanders Creek. The Site consists of pavement, buildings, areas of lawn covering former slabs of demolished buildings, and general landscaping.

2.2 Site History

Prior to World War II, the property was utilized as farmland. Development of the Site as an industrial facility began around 1942. The facility was initially operated by General Electric and included manufacturing activities related to national defense. Subsequent Site operators included the Defense Corporation - a government-owned World War II manufacturing facility, and Syracuse University.

The Site was purchased in the 1950s by Carrier. The Carrier facility produced a variety of products associated with heating, ventilation, and air conditioning industry. Carrier continues to operate the facility, although several of the large, original buildings have been demolished.

Subsurface investigations have been conducted at the Site since the late 1980's. During the course of these investigations, numerous groundwater monitoring wells and piezometers were installed. Some of the investigations found volatile organic compound (VOC) and/or polychlorinated biphenyl (PCB) impacts in groundwater. Interim remedial measures have been, and continue to be, employed to address identified impacts.

2.3 Geology and Hydrogeology

The Site consists of three primary hydrostratigraphic units as follows:

Upper Water-Bearing Zone

1. Fill composed of silty clay with varying amounts of gravel, cobbles, brick, metal, and concrete. This unit ranges in thickness from 1 foot (ft) to 8 ft.
2. Silty clay with silt and sand lenses ranging in thickness from 2 ft to 15 ft.

Confining Clay Unit

1. Gray clay confining unit ranging in thickness from 7 ft to 13 ft.

Lower Water-Bearing Zone

1. Clayey silt to silt ranging in thickness from 6 ft to 10 ft.
2. Red brown fine to medium sand, ranging in thickness from 2 ft to 6 ft.
3. Dense clay/silt unit, ranging in thickness from 4 ft to 12 ft.
4. Red brown to green, gray weathered shale.

The shallow monitoring wells and all piezometers at the Site are screened in the upper water-bearing zone and deep monitoring wells are screened in the lower water-bearing zone. Depth to water in the upper water-bearing zone ranges approximately 1 ft to 14 ft below ground surface (bgs). Depth to water in the lower water-bearing zone ranges from artesian conditions to approximately 8 ft bgs. The artesian conditions are present in two wells (MW-54D and TR3-GB-03) in the former Building TR-3 area. Overall, horizontal groundwater flow is to the north-northwest across the Site in the upper water-bearing zone and westerly in the lower water-bearing zone.

2.4 Existing Groundwater Monitoring Well Network

There are currently 96 monitoring wells and over 38 piezometers present at the Site. Ten of the 96 monitoring wells are screened in the lower water-bearing zone and the remainder are screened in the upper water-bearing zone, where the majority of contamination exists. The piezometers are all screened in the upper water-bearing zone.

The monitoring points were installed to monitor groundwater conditions at various areas including:

1. Former Solid Waste Management Units (SWMUs) 1, 2, 3, and 4, which were concrete and steel storage tanks located in the area between buildings TR-1 and TR-4, north of building TR-6.
2. Former Building TR-1, located in the western portion of the Site.
3. Former Building TR-2, located in the northwestern portion of the Site, north of former Building TR-1.
4. Parking Lot R, located in the north central portion of the Site, a paved portion of former Building TR-3.
5. Building TR-3 North Wall/Storm Water Treatment Plant (SWTP), located in the north central portion of the Site.
6. Manhole MH3 located inside the SWTP.
7. Former Administrative and Research (A&R) Building, located in the northeastern portion of the Site.
8. Former Debris Pile, located in the southeastern portion of the Site.

For selection of water level monitoring and groundwater sampling points in the Annual SWGMP, the existing monitoring well/piezometer network was considered to consist of the following three subsets:

1. Perimeter Wells – consisting of monitoring wells located along the perimeter of the Site. These locations are monitored and sampled to assess groundwater conditions up-gradient, down-gradient, and side-gradient of the Site.
2. Area Specific Wells/Piezometers – consisting of monitoring points installed in Area of Concerns (AOCs) and SWMUs. These locations are monitored and sampled to assess groundwater conditions in the vicinity of known areas of contamination. These specific areas are:
 - Former Building TR-1
 - Former Building TR-3 and Parking Lot R
 - Existing SWTP
 - Former A&R Building
 - Former SWMUs 1 through 4
3. Miscellaneous Interior Wells/Piezometers – consisting of locations not included in items 1 and 2 above.

Not all monitoring wells and piezometers at the Site are monitored and/or sampled. Refer to **Table 1** for a summary of program wells. For the Annual SWGMP, in areas where the monitoring well and/or piezometer density is high, representative wells and/or piezometers have been selected for the monitoring and sampling program.

Monitoring wells and piezometers have been installed at the former fill area referred to as AOC G west of Thompson Road. However, this Annual SWGMP focuses on the Thompson Road Campus portion of the Site where on-going operations occur and does not include AOC G.

3. Site-Wide Groundwater Monitoring Activities

3.1 Monitoring Point Inspections

A comprehensive inspection of the 134 monitoring wells and piezometers listed in **Table 2** was made for general exterior conditions. The 94 locations selected for groundwater level monitoring were also inspected for interior conditions. The inspections determined the condition of each monitoring point's exterior and interior (as appropriate), such as concrete pad, bolts, lid, curb box, riser, annular space, and J-plug. The findings of the monitoring point inspections are summarized on **Table 2**.

The following wells have not been located during inspections since 2017 and are presumed to be paved or sodded over:

Monitoring Well/Piezometer	Status
AR-SB-04	Presumed sodded over. Part of monitoring program for water level measurements.
B001-08	Presumed paved over. Part of monitoring program for water level measurements.
B001-14	Presumed paved or sodded over. Well not part of the current monitoring program.
FDPZ02	Presumed sodded over. Well not part of the current monitoring program.
FDPZ04	Presumed sodded over. Well not part of the current monitoring program.
MW-11	Could not be located. Beneath temporary access road installed for the TR-3 North Wall sheet pile installation project. Well not part of the current monitoring program.
MW-20	Presumed paved over. Part of monitoring program for water level measurements.
MW-53	Could not be located. Well is the area of the TR-3 North Wall sheet pile installation. Well not part of the current monitoring program.
MW-59	Could not be located. Beneath temporary access road installed for the TR-3 North Wall sheet pile installation project. Well not part of the current monitoring program.
SSIPZ05	Could not be located, the other wells of this type in the vicinity are PVC stick-ups (with no steel protective casing). Part of monitoring program for water level measurements.

3.2 Water Level Monitoring

On September 19 and 20, 2022, water levels were measured from 89 of the 94 monitoring wells and piezometers specified in the Annual SWGMP. The following points specified in the Annual SWGMP could not be accessed: AR-SB-04 (unable to locate), B001-08 (paved over), MW-20 (paved over), SSIPZ05 (unable to locate), and DCDPZ04 (obstruction). Water level measurements were performed using an electronic oil/water interface probe. The measurements included determination of the thickness of light non-aqueous phase liquid (LNAPL), where present. Both the lower and upper water-bearing zones were monitored. Water level measurement for monitoring wells and piezometers are presented in **Table 2**.

Water level measurements were used to determine direction of groundwater flow across the Site through the generation of potentiometric contour maps of both the upper and lower water-bearing zones. In addition, some areas require closer evaluation for the purposes describe below:

1. Monitoring points have been included in the former A&R Building area to evaluate the apparent groundwater mounding condition observed during the A&R area investigation in 2016.
2. Monitoring points have been included in the former Buildings TR-1 and TR-3 area to evaluate LNAPL thickness and potential migration.
3. Monitoring points have been included in the former Building TR-3 area to evaluate the horizontal well capture zone.

The groundwater elevation and LNAPL thickness measurements are presented in **Table 2**. Where LNAPL is present, the groundwater elevations shown on **Table 2** have been corrected to account for the LNAPL. The groundwater elevation in September 2022 was, on average, 0.20 ft lower than the previous monitoring event in September 2021.

3.2.1 Upper Water-Bearing Zone Groundwater Flow

Groundwater contours for the upper water-bearing zone are presented in **Figure 3**. Generally, groundwater flow is north-northwest across the majority of the Site. Exceptions are as follows:

1. A groundwater mound beneath the former A&R building – Potentiometric plans from 2019 and 2021 showed elevated water levels in monitoring wells AR-MW-02 and AR-MW-03 resulting in a groundwater mound. This condition was not observed in the September 2020 nor in September 2022. During these conditions the groundwater flow gradient in this area is generally interpreted to flow from south to north.
2. Water table beneath former TR-1 building – As with previous sampling events, the presence of LNAPL beneath the former TR-1 building complicates groundwater flow interpretation in this area. However, the water level difference between the wells in this area and wells nearby was again less than sampling events prior to 2019. No inferred mounding of the water table surface. Groundwater flow is interpreted to flow either north or west and LNAPL was encountered in four monitoring wells in this area.
3. Complex water table interpretation South of the SWTP – Several areas have shown isolated water table mounds and depressions. These conditions are likely transient and reflect recharge in areas lacking impervious surfaces coupled with fine grained soil the results in a minimal flux away from mounded areas. In this area drainage near storm sewer backfill may contribute to lower water levels recorded at wells B00104 and B00105. This complex condition was consistent with what was observed in 2019, 2020, and 2021.
4. Flow intercepted by the horizontal well and sheet pile wall at former Building TR-3 – Monitoring points in and around former Building TR-3 show the capture zone formed by the combination of the horizontal well and sheet pile wall. A detail of this area is provided in **Figure 4**. The horizontal well, which typically discharges approximately 3 gallons per minute (when the pump is actively on [the pump cycles on/off based on groundwater level floats]), is capturing groundwater as designed.

3.2.2 Lower Water-Bearing Zone Groundwater Flow

Groundwater contours for the lower water-bearing zone are presented in **Figure 5**. Flow in the lower water-bearing zone is generally in a westerly direction and is consistent with the results from previous sampling events.

3.2.3 LNAPL Thickness Results

Monitoring in the former Building TR-1 and TR-3 areas included evaluating LNAPL thickness and potential migration. As shown below, LNAPL was observed at the same wells in 2022 as in 2021 with exception to well MW-33. LNAPL was not observed at any new locations indicating that the LNAPL has not migrated.

Monitoring Point	2021 LNAPL Thickness (Ft)	2022 LNAPL Thickness (Ft)
DCDPZ01	0.01	0.01
MW-25	0.01	2.54
MW-31	0.33	0.01
MW-33	0.02	0.00
MW-46	0.02	0.01
PLR001	0.06	0.01
SSIPZ04	1.00	0.14

3.3 Groundwater Sampling

Groundwater samples were collected from 33 monitoring wells (**Table 1**) using USEPA/NYSDEC low-flow sampling procedure. No piezometers were sampled. All wells were sampled using a peristaltic pump, with dedicated tubing used at each well. In-line filters (for PCB samples) were also dedicated and disposed of after sampling. Water quality parameters of pH, conductivity, temperature, dissolved oxygen (DO), oxygen reduction potential (ORP), and turbidity were periodically recorded during well purging.

Samples were collected into laboratory supplied containers and delivered to SGS North America Inc. (SGS), a New York State Environmental Laboratory Approval Program (ELAP) certified laboratory located in Dayton, NJ. The samples were delivered under Chain of Custody protocol. Thirty-three locations were analyzed for VOCs, five locations (MW-19, MW-23, MW-26, MW-38, and MW-44) were analyzed for PCBs (filtered and unfiltered samples), and ten locations were analyzed for 1,4-dioxane. Samples scheduled for PCB analyses were filtered in the field. Copies of the Field Purge Logs are included in **Appendix B**.

3.3.1 Disposition of Investigation-Derived Waste

Groundwater generated during well purging and sampling activities was managed as investigation-derived waste (IDW) and was transferred to the on-Site SWTP for treatment. The interface probe was decontaminated by spraying with Alconox and potable water solution, wiping with paper towels, followed by a potable water rinse (wiping the probe with clean paper towels prevented the accumulation of soapy water which cannot be treated at the SWTP).

Solid IDW (e.g., tubing, paper towels, and personal protective equipment) was disposed of in the solid waste dumpster at the SWTP.

4. Laboratory Analytical Results

Samples from 33 locations were submitted to SGS for analysis of VOCs with five locations also analyzed for PCBs (filtered and unfiltered). Ten locations were analyzed for 1,4-dioxane. Three duplicate samples and two matrix spike/matrix spike duplicate (MS/MSD) pairs were submitted for VOC analysis for quality assurance/quality control (QA/QC) purposes. Similarly, one duplicate sample and one MS/MSD pair were submitted for analysis of PCBs and 1-4-dioxane.

Upon receipt of the analytical results, data validation was performed by an AECOM chemist following NYSDEC DER-10 and USEPA Region II data validation procedures. The data validation results are presented in a Data Usability Summary Report (DUSR) provided in **Appendix C**.

The DUSR presents deviations from the relevant QC requirements and the associated qualifications to the sample data warranted by these deviations. QC items discussed in detail in the DUSR include surrogate sample recoveries, matrix spike recoveries, duplicate sample analyses, instrument calibration, and performance and method and field blank sample analyses. The report also presents copies of the laboratory reporting forms with handwritten qualifications made by the data validator. The data presented in the summary tables included in this report reflect these qualifications. Overall, validation showed that the data were of adequate quality for use in a quantitative evaluation of groundwater quality in accordance with the requirements of the Annual SWGWMP.

Validated laboratory analytical results are presented in **Table 3** and **Figure 6**. The groundwater analytical results are compared to the NYS Ambient Water Quality Standards (AWQS) and Guidance Values in Technical & Operational Guidance Series (TOGS) Version 1.1.1, June 1998, with June 2004 Addendum. A statistical summary of the results is presented as **Table 4**. Statistics include the number of detections, frequency of detections, range of detections (minimum, maximum, average), number of exceedances, and the location of the maximum value. The following presents a summary of the results:

1. PCBs were not detected in filtered or unfiltered samples from the five wells sampled (MW-19, MW-23, MW-26, MW-38, and MW-44).
2. The most commonly detected VOC group was chlorinated VOCs. The chlorinated VOCs detected at concentrations exceeding criteria include trichloroethene (TCE), chloroform, cis-1,2-dichloroethene (cis-1,2-DCE), 1,1-dichloroethane (1,1-DCA), 1,1-dichloroethene (1,1-DCE), chloroethane, trichlorofluoromethane, trans-1,2-dichloroethene (trans-1,2-DCE), 1,1,1-trichloroethane (1,1,1-TCA), and vinyl chloride (VC).
 - a. Concentrations of chlorinated VOCs exceeding groundwater criteria ranged from 6.4 micrograms per liter ($\mu\text{g/L}$) chloroethane to 83,000 $\mu\text{g/L}$ TCE.
 - b. TCE concentrations were highest at locations MW-18, MW-69, and TR3-PW-01 where concentrations ranged from 432 to 83,000 $\mu\text{g/L}$. The highest concentration occurred at TR3-PW-01. Concentrations ranged from below detection limits to 182 $\mu\text{g/L}$ at the other wells.
 - c. Cis-1,2-DCE concentrations were highest at locations MW-18, MW-23, and TR3-PW-01. Concentrations ranged from 1,440 to 7,940 $\mu\text{g/L}$. The highest concentration occurred at TR3-PW-01. Concentrations ranged from below detection limits to 236 $\mu\text{g/L}$ at the other wells.
 - d. The highest concentration of VC occurred in MW-18 at 996 $\mu\text{g/L}$.
 - e. The highest concentrations of 1,1,1-TCA, and 1,1-DCA occurred in well MW-23 at detected concentrations of 56.7 and 173 $\mu\text{g/L}$, respectively.
 - f. Water quality measurements recorded at the time of sample collection (see purge logs in **Appendix B**) indicate low DO and ORP in some of the wells with the highest VOC concentrations (e.g., MW-18, MW-23, MW-69, and TR3-PW-01) suggesting that groundwater conditions are favorable for anaerobic degradation (reductive dechlorination). The presence of TCE breakdown products (e.g., cis-1,2-DCE and VC) further suggests that reductive dechlorination is ongoing.
3. The only non-chlorinated VOCs detected at concentration above the groundwater criteria were ethylbenzene and toluene, which were only detected in well MW-23.

- 1,4-dioxane was detected in four of the ten wells sampled at concentrations ranging from 0.97 µg/L to 3.2 µg/L. The highest concentration occurred at MW-71 which was consistent with historical results.

5. Evaluation of Findings

Evaluation of the data is discussed in the following sections by area. Comparisons are made to historical data that is attached for reference in **Appendix D**.

5.1 Perimeter Well Network

Table 1 lists the thirteen monitoring wells located along the Site perimeter that were sampled to evaluate the potential for contaminants to migrate on- or off-Site. One of the twelve perimeter wells (MW-71) contained compounds at concentrations greater than the groundwater criteria. However, perimeter monitoring well MW-85, located farther west (i.e., downgradient) of MW-71, exhibited no exceedances of groundwater criteria.

5.2 Former A&R Building Area

Monitoring wells AR-MW-02 and AR-MW-06 in the former A&R Building area were sampled:

- AR-MW-02 had no CVOCs detected in this well. This is consistent with results from since 2016.
- AR-MW-06 is located upgradient of the former A&R building. This well had concentration of cis-1,2-DCE exceeding groundwater criteria.

5.3 Former Building TR-1 Area

Three wells in the former Building TR-1 area were sampled (MW-23, MW-26, and MW-38), along with perimeter monitoring wells MW-19, MW-71, and MW-85. The samples from wells MW-19, MW-23, MW-26, and MW-38 were analyzed for VOCs and PCBs in.

- PCBs have historically (pre-2015) been detected in wells MW-23, MW-26, and MW-38. No PCBs were detected in these wells in 2022.
- Monitoring well MW-23 is located off the west-northwest side of former Building TR-1 and has historically contained elevated levels of VOCs. VOC results from the September 2022 sampling event were consistent with the results from 2021. The highest concentrations of 1,1,1-TCA, 1,1-DCA, and ethylbenzene detected during the September 2022 sampling event occurred at this well. However, perimeter monitoring well MW-19, located approximately 60 ft to the northwest and downgradient of MW-23, exhibited no exceedances of groundwater criteria.
- Monitoring well MW-38 is located on the northwest, downgradient side of former Building TR-1. TCE was detected greater than the criteria.

5.4 Former Building TR-3/SWTP Area and Parking Lot R

In 2016, a sheet pile wall was installed on the north side of former Building TR-3 to contain known concentrations of VOCs in groundwater beneath the former building footprint. A horizontal well was also installed upgradient of the sheet pile wall to capture impacted groundwater. The groundwater is treated at the adjacent SWTP, which is in the northeast corner of former Building TR-3.

Historically, the area of highest VOC concentrations has been reported in monitoring wells located west of the SWTP.

Nine monitoring wells in the former Building TR-3/SWTP area were analyzed for VOCs (MW-18, MW-44, MW-45, MW-48, MW-50, MW-57, MW-58, MW-66, and TR3-PW-01). One of those wells (MW-44) was also analyzed for PCBs. Also, two perimeter wells, MW-79 and TR3-MW-02, are also being used to evaluate groundwater quality in the former Building TR-3/SWTP area.

Monitoring well MW-18 is located on the north side of the SWTP, just south (upgradient) of the sheet pile wall. Groundwater analytical data dating back to 2001 for MW-18 show considerable fluctuations in VOC concentrations with TCE and cis-1,2-DCE typically having the highest concentrations. See **Appendix D** for historic sampling results.

TR3-PW-01 is located approximately 150 ft west of MW-18 and is also just south of the sheet pile wall. TR3-PW-01 was sampled following its installation in 2016 (prior to installation of the sheet pile wall) and contained TCE at a concentration of 195,000 µg/L. The TCE concentration has since dropped to 137,000 µg/L in November 2017, dropped to 94,500 µg/L in October 2018, increased to 144,000 µg/L in November 2019, decreased to 71,500 µg/L in October 2020, increased to 84,700 µg/L in September 2021, and decreased to 83,000 µg/L in September 2022.

Wells MW-50 and MW-57 are located farther west of TR3-PW-01, south of the sheet pile wall. The 2021 results from these wells again showed limited impacts. MW-50 reported no detectable VOCs greater than criteria. MW-57 reported cis-1,2-DCE (387 µg/L) and VC (546 µg/L) greater than the groundwater criteria. These results are consistent with the past and suggest no material change in the conditions near these wells.

Wells MW-58 and MW-66 are located north (downgradient) of the sheet pile wall but south of Sanders Creek. Well MW-58 and MW-66 concentrations remained consistent with historical results. The 2022 results show that the elevated VOC concentrations detected south (upgradient) of the sheet pile wall are not observed on the north (downgradient) side of the wall. These results suggest the sheet pile wall and horizontal well are operating as designed and are maintaining hydraulic containment of the TCE impacted groundwater.

No VOCs were detected at concentrations exceeding criteria in the wells (MW-79 and TR3-MW-02) located north of Sanders Creek.

Monitoring wells MW-44 and MW-45 are located south (upgradient) of the sheet pile wall in an area within the footprint of former Building TR-3 and currently referred to as Parking Lot R. Well MW-44 reported no detectable VOCs greater than criteria. Consistent with prior sampling events, analytical results MW-45 exceeded criteria for TCE (116 µg/L) and cis-1,2-DCE (17.2 µg/L).

Monitoring well MW-48 is located on the south side of the SWTP in an area where elevated VOCs have historically been detected. The detected TCE concentration of 85.7 µg/L was consistent with 2021.

5.5 SWMUs 1 through 4

Two monitoring wells, MW-03S and MW-03D, are located in this former SWMU area south of Building TR-18S. Groundwater sampling of these two wells dates back to 1985. The highest VOC concentrations are detected at MW-03S where cis-1,2-DCE is the primary compound reported. The historic high cis-1,2-DCE concentration of 32,000 µg/L was detected in 1990. Cis-1,2-DCE has decreased since that time with concentrations ranging between 390 to 863 µg/L from 2014 to 2020. In 2022 the cis-1,2-DCE concentration was 623 µg/L. The detection of cis-1,2-DCE, at 8.9 µg/L, in MW-03D was consistent with the historical results.

5.6 Miscellaneous Interior Wells

Monitoring wells MW-69, MW-70, MW-75, and MW-84 were installed in 2017 to provide groundwater quality data for locations within the interior of the Site and were selected for inclusion in the Annual SWGMP.

1. Monitoring well MW-69 is located between buildings TR-4 and TR-6. The VOCs 1,1-DCA, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, TCE, and VC were detected at concentrations exceeding groundwater criteria in 2022.
2. Monitoring well MW-70 is located within the footprint of former Building TR-2. No compounds were detected at concentrations exceeding groundwater criteria during the September 2022 sampling event.
3. Monitoring well MW-75 is located between buildings TR-5 and TR-19. No compounds were detected at concentrations exceeding groundwater criteria during the September 2022 sampling event.
4. Monitoring well MW-84 is located between buildings TR-4 and TR-5. No compounds were detected at concentrations exceeding groundwater criteria during the September 2022 sampling event.

The results in 2022 are consistent with historic results.

6. Summary and Recommendations

Monitoring and sampling were performed in September 2022 in accordance with the Annual SWGMP.

Wells/piezometers AR-SB-04, B001-08, B001-14, FDPZ02, FDPZ04, MW-11, MW-20, MW-53, MW-59, and SSIPZ05 could not be found for the sixth consecutive year. With the exception MW-11 and MW-59, which are beneath a temporary access road installed for the TR-3 North Wall sheet pile installation project, all these wells were likely destroyed by paving or landscaping at the Site. All wells with the exception of AR-SB-04, B001-08, MW-20, and SSIPZ05 are currently not part of the Annual SWGMP. These four wells were scheduled for water level measurements; however, there are sufficient nearby wells that are currently part of the Annual SWGMP for water level measurements which provides adequate coverage.

The September 2022 groundwater analytical data continues to demonstrate that contaminants are not migrating off-Site and are not causing a threat to human health of the environment. For locations with groundwater exceedances, the analytical data are consistent with or lower than historical results. The data, specifically DO and ORP, show that groundwater conditions are favorable for reductive dechlorination in areas (e.g., MW-18, MW-23, MW-69, and TR3-PW-01) with elevated VOC contamination. The presence of TCE breakdown products across the well network also supports this conclusion.

The concentrations of TCE and cis-1,2-DCE, when compared to historical results, in wells directly downgradient of the sheet pile wall (MW-58 and MW-66) along with the groundwater depression directly upgradient of the wall, shows that the sheet pile wall and horizontal well are effective in containing and capturing known VOC-contaminated groundwater. The presence of cis-1,2-DCE and VC in MW-58 / MW-66 indicate reductive dichlorination is occurring downgradient of the wall.

Contaminant concentrations observed at MW-23 are consistent with concentrations observed in 2021. Contaminant concentrations were not observed at MW-19 which is a well downgradient of MW-23. Additionally, it is known that a storm sewer running south to north between MW-19 and MW-23, intersects the water table resulting in groundwater in the immediate proximity of the storm sewer flows towards the storm sewer.

To further evaluate the contaminant concentrations in MW-23, the 2022 sample purge log was reviewed and found to exhibit evidence of strongly reducing conditions (low DO and ORP) and very low permeability (over 3 feet of drawdown when purging at only 110 milliliters per minute). Under these conditions, small residual concentrations of contaminants can persist and result in detections of degradation byproducts from reductive dechlorination within the isolated environment in and adjacent to the well. The 2022 data shows that at this well, cis-1,2-DCE, a degradation byproduct of TCE, had a concentration of approximately nine times that of TCE. The ratio of cis-1,2-DCE to TCE suggest that biodegradation is occurring at this location.

The next Annual SWGMP event is tentatively scheduled for September 2023.

7. References

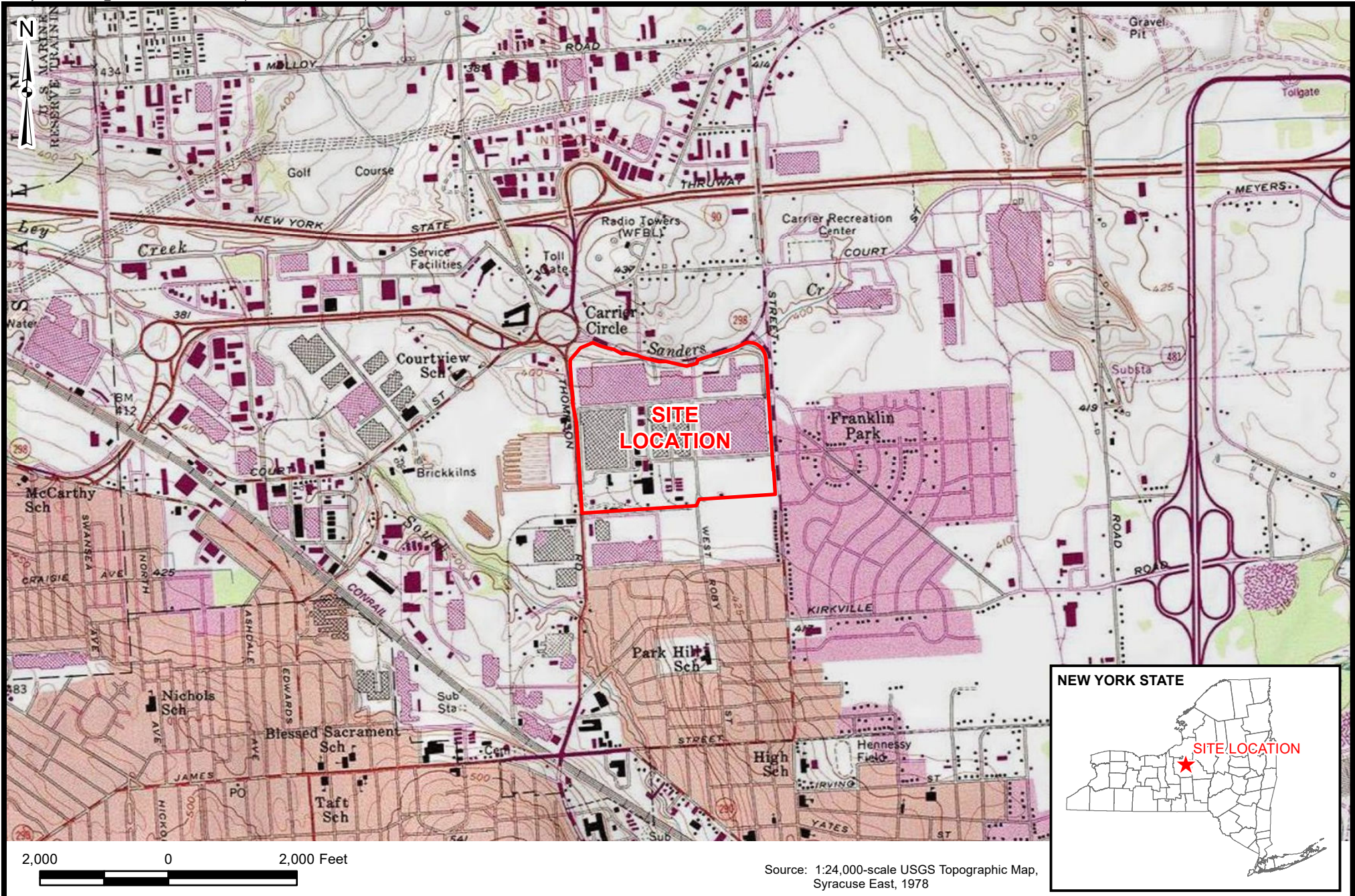
AECOM, 2017. *Annual Site-Wide Groundwater Monitoring Plan*. October 2017.

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NYSDEC, 2006. *Corrective Action Order on Consent*. January 2006.

Figures

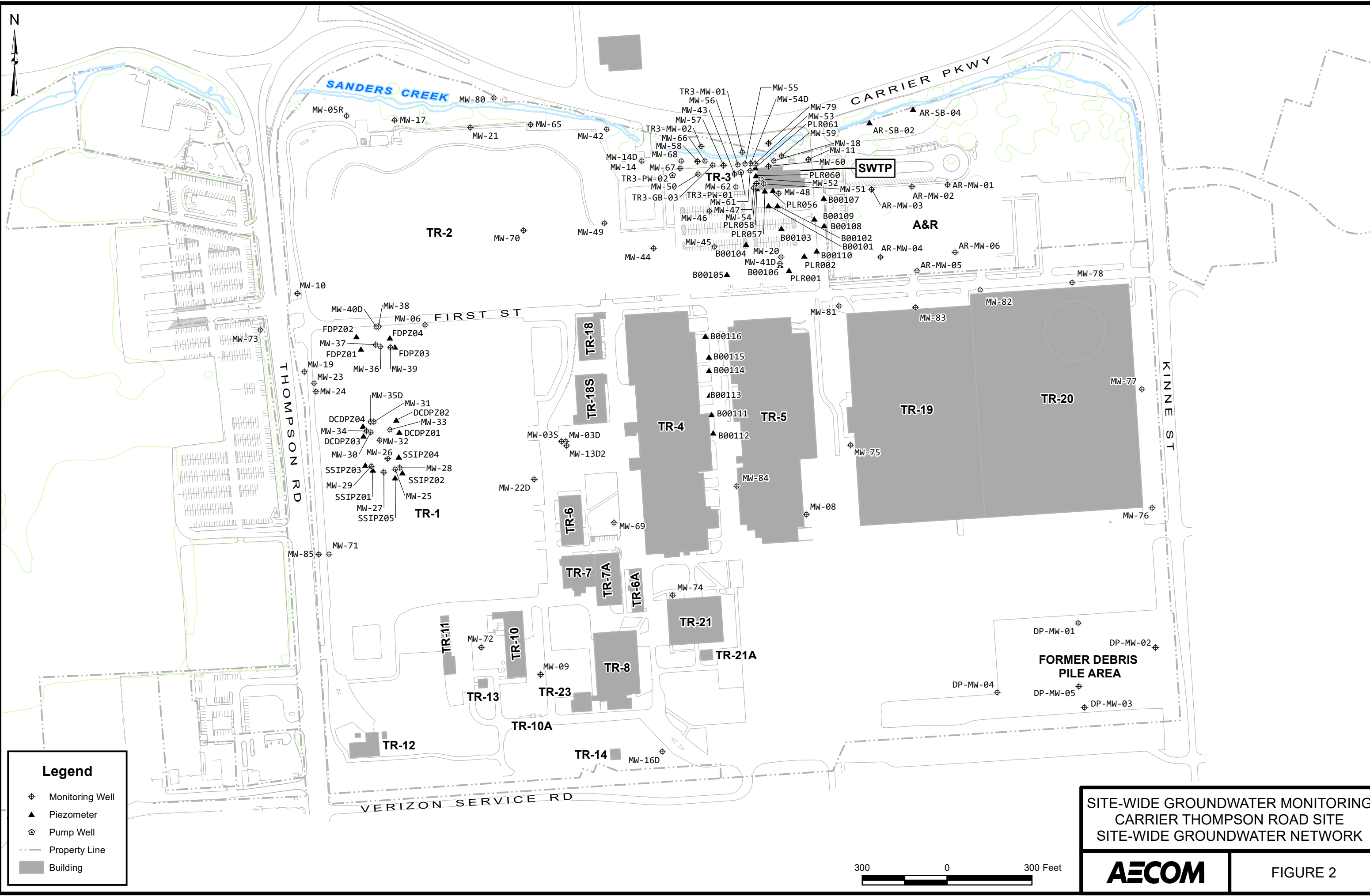


SITE-WIDE GROUNDWATER MONITORING
CARRIER THOMPSON ROAD SITE
SITE LOCATION

FIGURE 1



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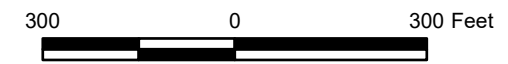
SITE-WIDE GROUNDWATER MONITORING
 CARRIER THOMPSON ROAD SITE
 SITE-WIDE GROUNDWATER NETWORK

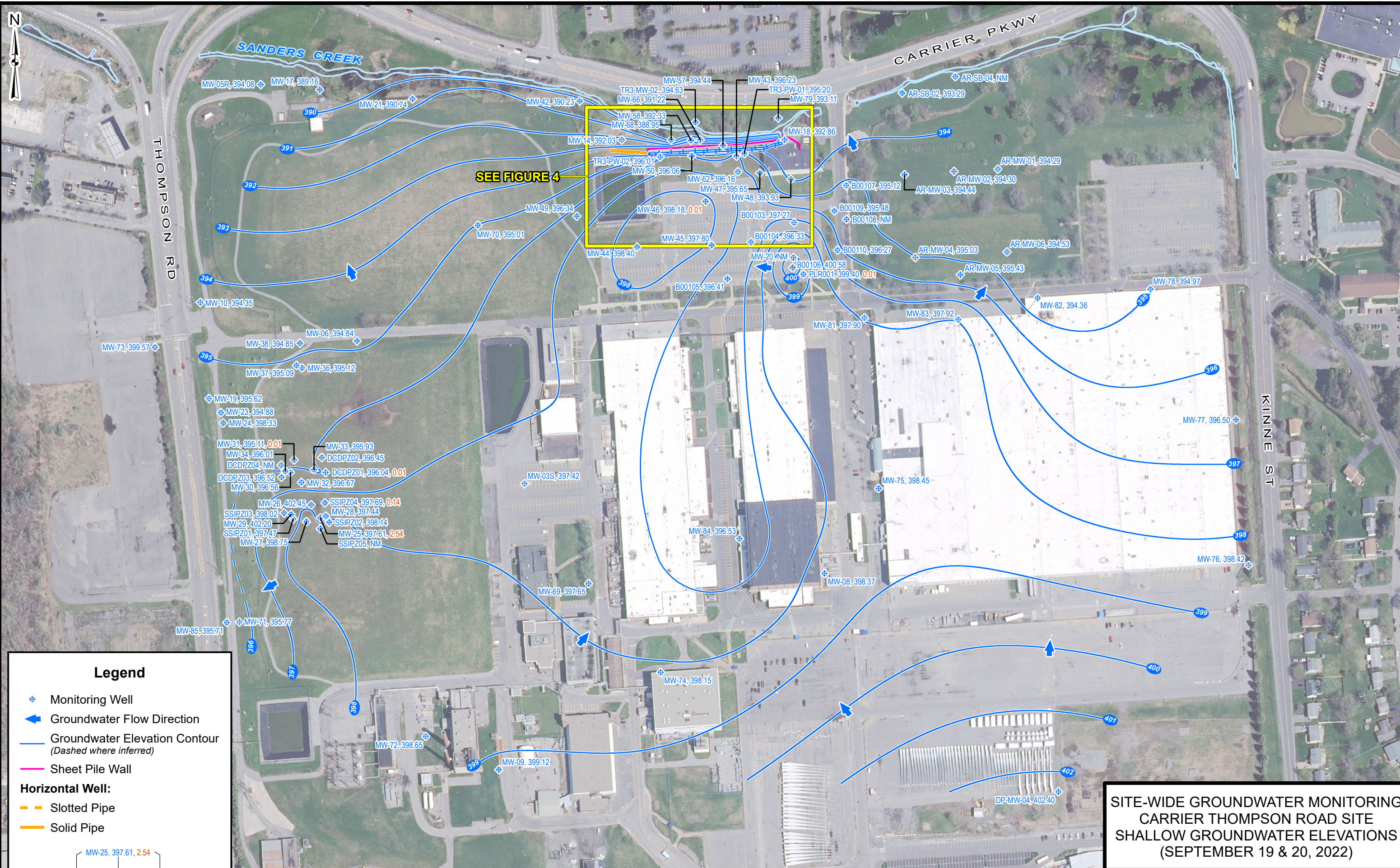


FIGURE 2

Legend

- ⊕ Monitoring Well
- ▲ Piezometer
- ⊕ Pump Well
- - - Property Line
- Building





Legend

- Monitoring Well
- Groundwater Flow Direction
- Groundwater Elevation Contour (Dashed where inferred)
- Sheet Pile Wall

Horizontal Well:

- Slotted Pipe
- Solid Pipe

Location ID	Groundwater Elevation (ft AMSL)	LNAPL Thickness (ft)
MW-25	397.61	2.54

NOTES: 1. Elevation shown in feet above mean sea level (ft amsl); NAVD 88 Datum.
 2. Groundwater Elevation = Measuring Point Elevation - Depth to Water (BTOR) + (Specific Gravity of 0.73 x Free Phase Product Thickness)
 3. Groundwater elevations for MW-05R, MW-23, MW-24, MW-26, MW-29, MW-73, MW-79, SSIPZ03, and TR3-MW-02 were not used to generate groundwater contours.
 4. Horizontal Well System Pumps Approximately 3 gallons per minute from the Upper Water-Bearing Zone.
 SOURCE: NYS Digital Ortho-imagery Program (NYSODP), Onondaga County, 2018



SITE-WIDE GROUNDWATER MONITORING
 CARRIER THOMPSON ROAD SITE
 SHALLOW GROUNDWATER ELEVATIONS
 (SEPTEMBER 19 & 20, 2022)

L:\DCS\Projects\60310231_UTCAOCGR\MISC\GIS\Maps\SITE-WIDE\GWRP\REPORT 2022\04 SHALLOW GROUNDWATER ELEVATIONS (SEP 2022) (INSET).mxd 12/27/2022



Legend

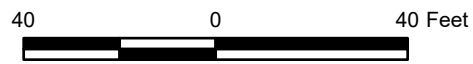
- Monitoring Well
- Groundwater Flow Direction
- Groundwater Elevation Contour (Dashed where inferred)
- Sheet Pile Wall

Horizontal Well:

- Slotted Pipe
- Solid Pipe

Location ID	Groundwater Elevation (ft AMSL)	LNAPL Thickness (ft)
MW-25	397.61	2.54

NOTES: 1. Elevation shown in feet above mean sea level (ft amsl); NAVD 88 Datum.
 2. Groundwater Elevation = Measuring Point Elevation - Depth to Water (BTOR) + (Specific Gravity of 0.73 x Free Phase Product Thickness)
 3. Groundwater elevations for MW-05R, MW-24, MW-26, MW-29, MW-73, MW-79, SSIP203, and TR3-MW-02 were not used to generate groundwater contours.
 4. Horizontal Well System Pumps Approximately 3 gallons per minute from the Upper Water-Bearing Zone.
 SOURCE: NYS Digital Ortho-imagery Program (NYSODP), Onondaga County, 2018



**SITE-WIDE GROUNDWATER MONITORING
 CARRIER THOMPSON ROAD SITE
 SHALLOW GROUNDWATER ELEVATIONS
 (SEPTEMBER 19 & 20, 2022)
 TR 3 NORTH WALL AREA**



FIGURE 4

L:\DCS\Projects\60310231_UTCAOCGR\IMISC\GIS\Maps\SITE-WIDE\IGWREPORT_2022\05 DEEP GROUNDWATER ELEVATIONS (SEP 2022).mxd 12/27/2022

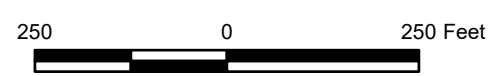


Legend

- Monitoring Well
- Groundwater Flow Direction
- Groundwater Elevation Contour (Dashed where inferred)

Location ID	Groundwater Elevation (ft AMSL)
MW-16D	400.03

NOTES: 1. Elevation shown in feet above mean sea level (ft amsl); NAVD 88 Datum.
 2. Groundwater elevation for MW-13D2 was not used to generate groundwater contours.
 SOURCE: NYS Digital Ortho-imagery Program (NYS DOP), Onondaga County, 2018

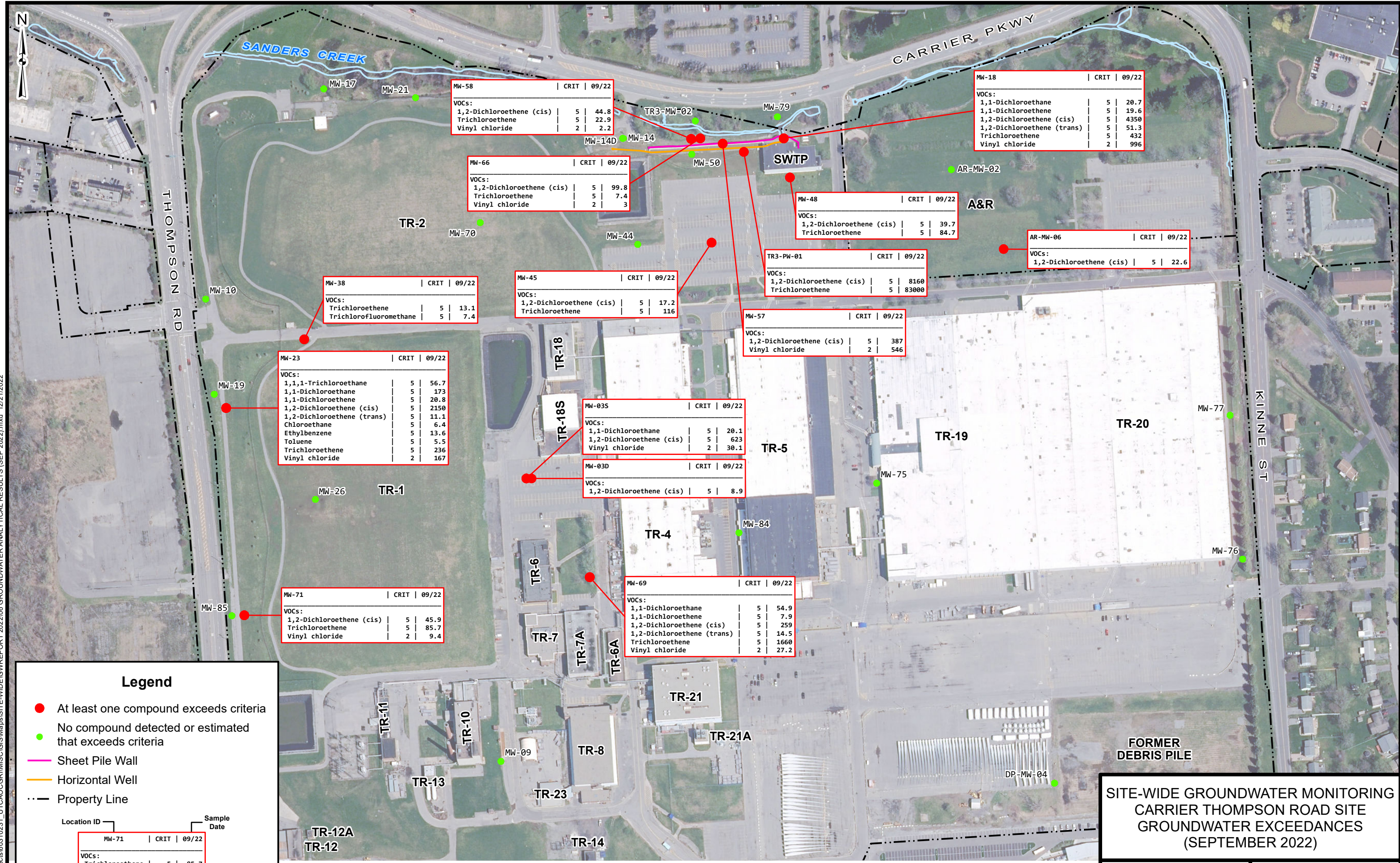


**SITE-WIDE GROUNDWATER MONITORING
 CARRIER THOMPSON ROAD SITE
 DEEP GROUNDWATER ELEVATIONS
 (SEPTEMBER 19 & 20, 2022)**



FIGURE 5

L:\DCS\Projects\60310231_UTCAOCGR\IMISC\GIS\Maps\SITE-WIDE\GWRPT_2022\06_GROUNDWATER_ANALYTICAL_RESULTS (SEP_2022).mxd 12/21/2022



MW-58	CRIT 09/22	
VOCs:		
1,2-Dichloroethene (cis)	5	44.8
Trichloroethene	5	22.9
Vinyl chloride	2	2.2

MW-18	CRIT 09/22	
VOCs:		
1,1-Dichloroethene	5	20.7
1,1-Dichloroethene	5	19.6
1,2-Dichloroethene (cis)	5	4350
1,2-Dichloroethene (trans)	5	51.3
Trichloroethene	5	432
Vinyl chloride	2	996

MW-66	CRIT 09/22	
VOCs:		
1,2-Dichloroethene (cis)	5	99.8
Trichloroethene	5	7.4
Vinyl chloride	2	3

MW-48	CRIT 09/22	
VOCs:		
1,2-Dichloroethene (cis)	5	39.7
Trichloroethene	5	84.7

AR-MW-06	CRIT 09/22	
VOCs:		
1,2-Dichloroethene (cis)	5	22.6

MW-45	CRIT 09/22	
VOCs:		
1,2-Dichloroethene (cis)	5	17.2
Trichloroethene	5	116

TR3-PW-01	CRIT 09/22	
VOCs:		
1,2-Dichloroethene (cis)	5	8160
Trichloroethene	5	83000

MW-57	CRIT 09/22	
VOCs:		
1,2-Dichloroethene (cis)	5	387
Vinyl chloride	2	546

MW-38	CRIT 09/22	
VOCs:		
Trichloroethene	5	13.1
Trichlorofluoromethane	5	7.4

MW-23	CRIT 09/22	
VOCs:		
1,1,1-Trichloroethane	5	56.7
1,1-Dichloroethane	5	173
1,1-Dichloroethene	5	20.8
1,2-Dichloroethene (cis)	5	2150
1,2-Dichloroethene (trans)	5	11.1
Chloroethane	5	6.4
Ethylbenzene	5	13.6
Toluene	5	5.5
Trichloroethene	5	236
Vinyl chloride	2	167

MW-035	CRIT 09/22	
VOCs:		
1,1-Dichloroethane	5	20.1
1,2-Dichloroethene (cis)	5	623
Vinyl chloride	2	30.1

MW-03D	CRIT 09/22	
VOCs:		
1,2-Dichloroethene (cis)	5	8.9

MW-69	CRIT 09/22	
VOCs:		
1,1-Dichloroethane	5	54.9
1,1-Dichloroethene	5	7.9
1,2-Dichloroethene (cis)	5	259
1,2-Dichloroethene (trans)	5	14.5
Trichloroethene	5	1660
Vinyl chloride	2	27.2

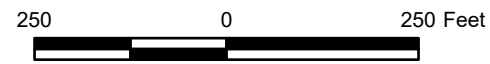
MW-71	CRIT 09/22	
VOCs:		
1,2-Dichloroethene (cis)	5	45.9
Trichloroethene	5	85.7
Vinyl chloride	2	9.4

Legend

- At least one compound exceeds criteria
- No compound detected or estimated that exceeds criteria
- Sheet Pile Wall
- Horizontal Well
- Property Line

Location ID	Sample Date
MW-71	CRIT 09/22
VOCs:	
Trichloroethene	5 85.7
Compound	Criteria Result

CRITERIA: NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.
 NOTES: Units shown in micrograms per liter (µg/L).
 SOURCE: NYS Digital Ortho-imagery Program (NYSDOP), Onondaga County, 2018



**SITE-WIDE GROUNDWATER MONITORING
 CARRIER THOMPSON ROAD SITE
 GROUNDWATER EXCEEDANCES
 (SEPTEMBER 2022)**



FIGURE 6

Tables

TABLE 1
CARRIER THOMPSON ROAD SITE
SITE-WIDE GROUNDWATER MONITORING PROGRAM

Area	Monitoring Well/ Piezometer	Water-bearing Zone (Upper/ Lower)	Well Diameter (inches)	Wells For:			
				Water Levels	VOC Analysis	PCB Analysis	Emerging Contaminant
Perimeter	DP-MW-04	Upper	2	x	x		x
Perimeter	MW-05R	Upper	2	x			
Perimeter	MW-09	Upper	2	x	x		
Perimeter	MW-10	Upper	2	x	x		x
Perimeter	MW-14	Upper	2	x	x		x
Perimeter	MW-14D	Lower	2	x			x
Perimeter	MW-16D	Lower	2	x			
Perimeter	MW-17	Upper	2	x	x		x
Perimeter	MW-19	Upper	2	x	x	x	
Perimeter	MW-21	Upper	2	x	x		
Perimeter	MW-42	Upper	2	x			
Perimeter	MW-71	Upper	2	x	x		x
Perimeter	MW-73	Upper	2	x			
Perimeter	MW-76	Upper	2	x	x		
Perimeter	MW-77	Upper	2	x	x		
Perimeter	MW-79	Upper	2	x	x		
Perimeter	MW-85	Upper	2	x	x		
Perimeter	TR3-MW-02	Upper	2	x	x		
Area Subtotal				18	13	1	6
A&R	AR-MW-01	Upper	2	x			
A&R	AR-MW-02	Upper	2	x	x		x
A&R	AR-MW-03	Upper	2	x			
A&R	AR-MW-04	Upper	2	x			
A&R	AR-MW-05	Upper	2	x			
A&R	AR-MW-06	Upper	2	x	x		
A&R	AR-SB-02	Upper	1	x			
A&R	AR-SB-04	Upper	1				
Area Subtotal				7	2	0	1
TR-1	DCDPZ01	Upper	1	x			
TR-1	DCDPZ02	Upper	1	x			
TR-1	DCDPZ03	Upper	1	x			
TR-1	DCDPZ04	Upper	1	x			
TR-1	MW-06	Upper	2	x			
TR-1	MW-23	Upper	2	x	x	x	
TR-1	MW-24	Upper	2	x			
TR-1	MW-25	Upper	4	x			
TR-1	MW-26	Upper	2	x	x	x	
TR-1	MW-27	Upper	2	x			
TR-1	MW-28	Upper	2	x			
TR-1	MW-29	Upper	4	x			
TR-1	MW-30	Upper	4	x			
TR-1	MW-31	Upper	2	x			
TR-1	MW-32	Upper	2	x			
TR-1	MW-33	Upper	2	x			
TR-1	MW-34	Upper	2	x			
TR-1	MW-35D	Lower	2	x			
TR-1	MW-36	Upper	4	x			
TR-1	MW-37	Upper	2	x			
TR-1	MW-38	Upper	2	x	x	x	
TR-1	MW-40D	Lower	2	x			
TR-1	SSIPZ01	Upper	1	x			
TR-1	SSIPZ02	Upper	1	x			
TR-1	SSIPZ03	Upper	1	x			
TR-1	SSIPZ04	Upper	1	x			
TR-1	SSIPZ05	Upper	1	x			
Area Subtotal				27	3	3	0

TABLE 1
CARRIER THOMPSON ROAD SITE
SITE-WIDE GROUNDWATER MONITORING PROGRAM

Area	Monitoring Well/ Piezometer	Water-bearing Zone (Upper/ Lower)	Well Diameter (inches)	Wells For:			
				Water Levels	VOC Analysis	PCB Analysis	Emerging Contaminant
TR-3 and Parking Lot R	B001-03	Upper	1	x			
TR-3 and Parking Lot R	B001-04	Upper	1	x			
TR-3 and Parking Lot R	B001-05	Upper	1	x			
TR-3 and Parking Lot R	B001-06	Upper	1	x			
TR-3 and Parking Lot R	B001-07	Upper	1	x			
TR-3 and Parking Lot R	B001-08	Upper	1	x			
TR-3 and Parking Lot R	B001-09	Upper	1	x			
TR-3 and Parking Lot R	B001-10	Upper	1	x			
TR-3 and Parking Lot R	MW-18	Upper	2	x	x		
TR-3 and Parking Lot R	MW-20	Upper	2	x			
TR-3 and Parking Lot R	MW-41D	Lower	2	x			
TR-3 and Parking Lot R	MW-43	Upper	2	x			
TR-3 and Parking Lot R	MW-44	Upper	2	x	x	x	
TR-3 and Parking Lot R	MW-45	Upper	2	x	x		
TR-3 and Parking Lot R	MW-46	Upper	2	x			
TR-3 and Parking Lot R	MW-47	Upper	2	x			
TR-3 and Parking Lot R	MW-48	Upper	2	x	x		
TR-3 and Parking Lot R	MW-50	Upper	2	x	x		
TR-3 and Parking Lot R	MW-57	Upper	2	x	x		
TR-3 and Parking Lot R	MW-58	Upper	2	x	x		
TR-3 and Parking Lot R	MW-62	Upper	2	x			
TR-3 and Parking Lot R	MW-66	Upper	2	x	x		
TR-3 and Parking Lot R	MW-68	Upper	2	x			
TR-3 and Parking Lot R	PLR001	Upper	1	x			
TR-3 and Parking Lot R	TR3-PW-01	Upper	4	x	x		
TR-3 and Parking Lot R	TR3-PW-02	Upper	4	x			
Area Subtotal				26	9	1	0
SWMU 1-4	MW-03D	Lower	2	x	x		x
SWMU 1-4	MW-03S	Upper	2	x	x		x
SWMU 1-4	MW-13D2	Lower	2	x			
SWMU 1-4	MW-22D	Lower	2	x			
Area Subtotal				4	2	0	2
Miscellaneous Interior	MW-08	Upper	2	x			
Miscellaneous Interior	MW-49	Upper	2	x			
Miscellaneous Interior	MW-69	Upper	2	x	x		
Miscellaneous Interior	MW-70	Upper	2	x	x		x
Miscellaneous Interior	MW-72	Upper	2	x			
Miscellaneous Interior	MW-74	Upper	2	x			
Miscellaneous Interior	MW-75	Upper	2	x	x		
Miscellaneous Interior	MW-78	Upper	2	x			
Miscellaneous Interior	MW-81	Upper	2	x			
Miscellaneous Interior	MW-82	Upper	2	x			
Miscellaneous Interior	MW-83	Upper	2	x			
Miscellaneous Interior	MW-84	Upper	2	x	x		
Area Subtotal				12	4	0	1
Total				94	33	5	10

Notes:

- A&R - Administration and Research
- PCB - Polychlorinated biphenyl
- SWMU - Solid Waste Management Unit
- VOC - Volatile Organic Compound
- Emerging Contaminant - 1,4-Dioxane

TABLE 2
SITE-WIDE GROUNDWATER MONITORING PROGRAM
WATER LEVELS AND WELL INSPECTION SUMMARY
CARRIER CORPORATION THOMPSON ROAD FACILITY
September 19 and 20, 2022

Monitoring Well/ Piezometer	Water-bearing Zone (Upper/ Lower)	Well Diameter (inches ID)	Northing	Easting	Measuring Point Elevation feet	Depth to Free Phase Product feet	Depth to Water (BTOR) feet	Free Phase Product Thickness feet	Groundwater Elevation feet	Well Inspection Summary				
										Lock	Surface Seal	Protective Casing OR Flushmount Roadbox (Lid/collar) Condition	Riser	Comments
Perimeter Area														
DP-MW-04	Upper	2	1122974.74	954593.56	408.38	-	5.98	-	402.40	No lock	OK	OK	OK	
MW-05R	Upper	2	1125014.53	952292.73	396.81	-	2.73	-	394.08	Lock OK (#2537 key)	OK	OK	OK	
MW-09	Upper	2	1123038.00	952979.38	406.20	-	7.08	-	399.12	Lock OK (#2537 key)	OK	OK	OK	
MW-10	Upper	2	1124386.24	952118.57	402.79	-	8.44	-	394.35	No lock	OK	OK	OK	
MW-11	Upper	2	1124861.02	953926.15	402.23	NM	NM	NM	NM	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	Under gravel
MW-14	Upper	2	1124855.30	953333.70	402.75	-	10.72	-	392.03	Lock OK (#2537 key)	OK	OK	OK	
MW-14D	Lower	2	1124855.10	953337.00	402.44	-	2.11	-	400.33	Lock OK (#2537 key)	OK	OK	OK	
MW-16D	Lower	2	1122764.69	953409.36	406.13	-	6.10	-	400.03	No lock	OK	OK	OK	
MW-17	Upper	2	1124999.53	952462.72	397.02	-	7.86	-	389.16	No lock	OK	OK	OK	
MW-19	Upper	2	1124108.76	952143.57	404.72	-	9.10	-	395.62	No lock	OK	OK	OK	
MW-21	Upper	2	1124973.70	952730.22	402.52	-	11.78	-	390.74	No lock	OK	OK	OK	
MW-42	Upper	2	1124967.30	953212.96	396.57	-	6.34	-	390.23	Lock Corroded (#2537 key)	OK	OK	OK	
MW-59	Upper	2	1124872.74	953831.00	394.58	NM	NM	NM	NM	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	Under gravel
MW-65	Upper	2	1124983.12	952943.49	401.77	NM	NM	NM	NM	No lock	OK	OK	OK	
MW-71	Upper	2	1123463.97	952230.85	404.95	-	9.18	-	395.77	No lock	OK	OK	OK	
MW-73	Upper	2	1124257.22	951987.57	403.40	-	3.83	-	399.57	No lock	OK	OK	OK	
MW-76	Upper	2	1123627.57	955141.81	406.07	-	7.65	-	398.42	No lock	OK	OK	OK	
MW-77	Upper	2	1124047.75	955105.46	404.81	-	8.31	-	396.50	No lock	OK	OK	OK	
MW-79	Upper	2	1124917.99	953785.24	395.69	-	2.58	-	393.11	No lock	OK	OK	OK	
MW-80	Upper	2	1124983.12	952943.49	392.31	NM	NM	NM	NM	No lock	OK	OK	OK	
MW-85	Upper	2	1123463.32	952195.00	403.08	-	7.37	-	395.71	No lock	OK	OK	OK	
TR3-MW-01	Upper	2	1124885.97	953692.42	392.86	NM	NM	NM	NM	No lock	OK	OK	OK	
TR3-MW-02	Upper	2	1124906.18	953546.57	395.46	-	0.83	-	394.63	No lock	OK	OK	OK	
A&R Area														
AR-MW-01	Upper	2	1124770.59	954418.68	403.76	-	9.47	-	394.29	No lock	OK	OK	OK	
AR-MW-02	Upper	2	1124764.40	954292.16	403.40	-	9.10	-	394.30	No lock	OK	OK	OK	
AR-MW-03	Upper	2	1124754.76	954149.74	403.41	-	8.97	-	394.44	No lock	OK	OK	OK	
AR-MW-04	Upper	2	1124515.46	954180.87	404.50	-	9.47	-	395.03	No lock	OK	OK	OK	
AR-MW-05	Upper	2	1124466.37	954310.19	404.87	-	9.44	-	395.43	No lock	OK	OK	OK	
AR-MW-06	Upper	2	1124531.93	954445.06	404.63	-	10.10	-	394.53	No lock	OK	OK	OK	
AR-SB-02	Upper	1	1124990.10	954142.60	393.10	-	-0.19	-	393.29	No lock	OK	NA	OK	
AR-SB-04	Upper	1	1125037.71	954296.60	395.86	NM	NM	NM	NM	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	Could not locate
TR-1 Area														
DCDPZ01	Upper	1	1123895.47	952479.75	407.28	11.24	11.25	0.01	396.04	No lock	OK	OK	OK	
DCDPZ02	Upper	1	1123938.80	952468.92	407.00	-	10.55	-	396.45	No lock	OK	Outer Casing Broken	OK	
DCDPZ03	Upper	1	1123882.13	952353.09	407.23	-	10.71	-	396.52	No lock	OK	OK	OK	
DCDPZ04	Upper	1	1123917.13	952351.42	407.36	NM	NM	NM	NM	No lock	OK	OK	OK	Tubing obstruction at 2.38 feet
FDPZ01	Upper	1	1124189.61	952343.92	407.23	NM	NM	NM	NM	No lock	OK	OK	OK	
FDPZ02	Upper	1	1124233.78	952328.09	408.45	NM	NM	NM	NM	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	Could not locate
FDPZ03	Upper	1	1124197.11	952463.92	406.78	NM	NW	NM	NM	No lock	OK	OK	OK	
FDPZ04	Upper	1	1124228.78	952446.42	407.40	NM	NM	NM	NM	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	Could not locate
MW-06	Upper	2	1124275.42	952570.22	406.21	-	11.37	-	394.84	Lock OK (#2537 key)	OK	OK	OK	
MW-23	Upper	2	1124068.77	952177.73	403.54	-	8.66	-	394.88	No lock	OK	OK	OK	
MW-24	Upper	2	1124038.77	952184.40	404.58	-	6.25	-	398.33	No lock	OK	OK	OK	
MW-25	Upper	4	1123764.64	952464.75	406.25	7.96	10.50	2.54	397.61	No lock	OK	OK	OK	
MW-26	Upper	2	1123802.12	952438.56	406.65	-	4.20	-	402.45	No lock	OK	OK	OK	
MW-27	Upper	2	1123753.79	952424.39	406.19	-	7.44	-	398.75	No lock	OK	OK	OK	
MW-28	Upper	2	1123769.62	952481.06	406.15	-	8.71	-	397.44	No lock	OK	OK	OK	
MW-29	Upper	4	1123774.62	952380.23	406.19	-	3.99	-	402.20	No lock	OK	OK	OK	
MW-30	Upper	4	1123895.44	952378.56	407.08	-	10.52	-	396.56	No lock	OK	OK	OK	
MW-31	Upper	2	1123932.11	952388.93	406.46	11.35	11.36	0.01	395.11	No lock	OK	OK	OK	
MW-32	Upper	2	1123867.11	952410.22	406.67	-	10.00	-	396.67	No lock	OK	OK	OK	
MW-33	Upper	2	1123903.80	952446.42	406.71	-	10.78	-	395.93	No lock	OK	OK	OK	
MW-34	Upper	2	1123899.61	952363.56	406.73	-	10.72	-	396.01	No lock	OK	OK	OK	
MW-35D	Lower	2	1123932.11	952377.73	407.33	-	11.45	-	395.88	No lock	OK	OK	OK	
MW-36	Upper	4	1124197.92	952411.89	407.66	-	12.54	-	395.12	No lock	OK	OK	OK	
MW-37	Upper	2	1124204.59	952396.06	406.74	-	11.65	-	395.09	No lock	OK	OK	OK	
MW-38	Upper	2	1124268.75	952406.06	404.45	-	9.60	-	394.85	No lock	OK	OK	OK	
MW-39	Upper	2	1124196.26	952447.72	406.87	-	NM	-	NM	No lock	OK	OK	OK	
MW-40D	Lower	2	1124267.92	952397.72	404.36	-	8.58	-	395.78	No lock	OK	OK	OK	
SSIPZ01	Upper	1	1123762.14	952385.59	406.32	-	8.85	-	397.47	No lock	OK	OK	OK	
SSIPZ02	Upper	1	1123752.14	952490.59	406.41	-	8.27	-	398.14	No lock	OK	OK	OK	
SSIPZ03	Upper	1	1123778.81	952359.76	406.83	-	8.81	-	398.02	No lock	OK	OK	OK	
SSIPZ04	Upper	1	1123807.97	952478.09	406.48	8.76	8.90	0.14	397.69	No lock	OK	OK	OK	
SSIPZ05	Upper	1	1123733.81	952464.75	405.98	NM	NM	NM	NM	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	Could not locate

Specific Gravity of Free Phase Product = 0.73 based on historical reports
Groundwater Elevation = Measuring Point Elevation - Depth to Water (BTOR) + (0.73 x Free Phase Product Thickness)
NA - Not Available
NM - Not Measured

TABLE 2
 SITE-WIDE GROUNDWATER MONITORING PROGRAM
 WATER LEVELS AND WELL INSPECTION SUMMARY
 CARRIER CORPORATION THOMPSON ROAD FACILITY
 September 19 and 20, 2022

Monitoring Well/ Piezometer	Water-bearing Zone (Upper/ Lower)	Well Diameter (inches ID)	Northing	Easting	Measuring Point Elevation feet	Depth to Free Phase Product feet	Depth to Water (BTOR) feet	Free Phase Product Thickness feet	Groundwater Elevation feet	Well Inspection Summary				Comments
										Lock	Surface Seal	Protective Casing OR Flushmount Roadbox (Lid/collar) Condition	Riser	
TR-3 and Parking Lot R Area														
B001-01	Upper	1	1124697.08	953785.55	NA	NM	NM	NM	NM	No lock	OK	OK	UNKNOWN	
B001-02	Upper	1	1124697.08	953817.22	NA	NM	NM	NM	NM	No lock	OK	OK	UNKNOWN	
B001-03	Upper	1	1124616.48	953830.95	405.33	-	8.06	-	397.27	No lock	OK	OK	OK	
B001-04	Upper	1	1124560.22	953706.30	404.14	-	7.81	-	396.33	No lock	OK	OK	OK	
B001-05	Upper	1	1124454.18	953638.67	404.31	-	7.90	-	396.41	No lock	OK	OK	OK	
B001-06	Upper	1	1124486.48	953826.98	405.36	-	4.78	-	400.58	No lock	OK	OK	OK	
B001-07	Upper	1	1124723.54	953981.12	400.53	-	5.41	-	395.12	No lock	OK	OK	OK	
B001-08	Upper	1	1124626.25	953982.21	NA	NM	NM	NM	NM	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	Paved over
B001-09	Upper	1	1124650.12	953947.21	401.26	-	5.78	-	395.48	No lock	OK	OK	OK	
B001-10	Upper	1	1124537.03	953956.04	402.38	-	6.11	-	396.27	No lock	OK	OK	OK	
MW-18	Upper	2	1124855.40	953803.88	397.71	-	4.85	-	392.86	No lock	OK	OK	OK	
MW-20	Upper	2	1124515.42	953828.88	404.10	NM	NM	NM	NM	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	Paved over
MW-41D	Lower	2	1124491.66	953825.70	405.39	-	4.22	-	401.17	No lock	OK	OK	OK	Concrete pad deteriorating
MW-43	Upper	2	1124808.28	953664.88	405.11	-	8.88	-	396.23	No lock	OK	OK	OK	
MW-44	Upper	2	1124546.23	953378.53	404.45	-	6.05	-	398.40	No lock	OK	OK	OK	
MW-45	Upper	2	1124551.23	953593.53	404.13	-	6.33	-	397.80	No lock	OK	OK	OK	
MW-46	Upper	2	1124678.75	953574.72	404.05	5.86	0.01	0.01	398.18	No lock	OK	OK	OK	
MW-47	Upper	2	1124759.44	953732.29	405.01	-	9.36	-	395.65	No lock	OK	OK	OK	
MW-48	Upper	2	1124741.00	953821.67	405.33	-	11.40	-	393.93	No lock	OK	OK	OK	
MW-50	Upper	2	1124808.71	953536.03	405.27	-	9.21	-	396.06	No lock	OK	OK	OK	
MW-51	Upper	4	1124773.74	953768.05	403.60	NM	NM	NM	NM	No lock	OK	OK	OK	
MW-52	Upper	4	1124791.04	953758.91	400.01	NM	NM	NM	NM	No lock	OK	OK	OK	
MW-53	Upper	2	1124845.40	953738.05	398.07	NM	NM	NM	NM	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	Could not locate
MW-54	Upper	4	1124775.41	953742.22	404.92	NM	NM	NM	NM	No lock	OK	OK	OK	
MW-54D	Lower	2	1124845.16	953721.92	398.46	NM	NM	NM	NM	No lock	OK	OK	OK	
MW-55	Upper	2	1124844.49	953701.90	397.83	NM	NM	NM	NM	No lock	OK	OK	OK	
MW-56	Upper	2	1124841.61	953676.89	398.41	NM	NM	NM	NM	No lock	OK	OK	OK	
MW-57	Upper	2	1124839.71	953625.90	398.06	-	3.62	-	394.44	No lock	OK	OK	OK	
MW-58	Upper	2	1124853.70	953533.98	396.53	-	4.2	-	392.33	No lock	OK	OK	OK	
MW-60	Upper	2	1124836.40	953785.63	398.24	NM	NM	NM	NM	No lock	OK	OK	OK	
MW-61	Upper	2	1124820.56	953720.04	404.81	NM	NM	NM	NM	No lock	OK	OK	OK	
MW-62	Upper	2	1124762.97	953669.35	405.28	-	9.12	-	396.16	No lock	OK	OK	OK	
MW-66	Upper	2	1124854.94	953560.48	396.37	-	5.15	-	391.22	No lock	OK	OK	OK	
MW-67	Upper	2	1124829.20	953471.96	398.58	NM	NM	NM	NM	No lock	OK	OK	OK	
MW-68	Upper	2	1124855.04	953476.28	397.40	-	8.45	-	388.95	No lock	OK	OK	OK	
PLR001	Upper	1	1124467.93	953858.05	405.10	5.7	0.01	0.01	399.40	No lock	OK	OK	OK	
PLR002	Upper	1	1124512.07	953914.35	NA	NM	NM	NM	NM	No lock	OK	OK	OK	
PLR056	Upper	1	1124751.00	953801.06	405.39	NM	NM	NM	NM	No lock	OK	OK	OK	
PLR057	Upper	1	1124748.99	953772.23	405.36	NM	NM	NM	NM	No lock	OK	OK	OK	
PLR058	Upper	1	1124757.26	953743.80	405.12	NM	NM	NM	NM	No lock	OK	OK	OK	
PLR060	Upper	1	1124803.00	953740.94	405.26	NM	NM	NM	NM	No lock	OK	OK	OK	
PLR061	Upper	1	1124831.52	953738.60	404.77	NM	NM	NM	NM	No lock	OK	OK	OK	
TR3-G8-03	Lower	2	1124467.93	953858.05	398.49	NM	NM	NM	NM	No lock	OK	OK	OK	
TR3-PW-01	Upper	4	1124815.67	953687.16	405.03	-	9.83	-	395.20	No lock	OK	OK	OK	
TR3-PW-02	Upper	4	1124805.52	953444.97	405.59	-	9.58	-	396.01	No lock	OK	OK	OK	
SWMU 1-4 Area														
MW-03D	Lower	2	1123862.95	953068.54	405.64	-	8.63	-	397.01	Lock OK (#2537 key)	OK	OK	OK	
MW-03S	Upper	2	1123862.95	953053.54	404.54	-	7.12	-	397.42	Lock OK (#2537 key)	OK	OK	OK	
MW-13D2	Lower	2	1123847.11	953071.04	402.71	-	6.8	-	395.91	No lock	OK	OK	OK	
MW-22D	Lower	2	1123728.61	952956.41	404.34	-	7.41	-	396.93	No lock	OK	OK	OK	
Remaining Wells														
B001-11	Upper	1	1123957.96	953583.89	NA	NM	NM	NM	NM	No lock	OK	OK	OK	
B001-12	Upper	1	1123892.97	953589.72	NA	NM	NM	NM	NM	No lock	OK	OK	OK	
B001-13	Upper	1	1124026.77	953577.27	403.16	NM	NM	NM	NM	No lock	OK	OK	OK	
B001-14	Upper	1	1124113.78	953574.72	NA	NM	NM	NM	NM	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	Could not locate-paved or sodded over
B001-15	Upper	1	1124161.28	953574.72	NA	NM	NM	NM	NM	No lock	OK	OK	OK	
B001-16	Upper	1	1124235.44	953562.22	NA	NM	NM	NM	NM	No lock	OK	OK	OK	
DP-MW-01	Upper	2	1123220.64	954880.49	405.82	NM	NM	NM	NM	No lock	OK	OK	OK	
DP-MW-02	Upper	2	1123133.30	955153.64	407.22	NM	NM	NM	NM	No lock	OK	OK	OK	
DP-MW-03	Upper	2	1122921.52	954901.99	409.76	NM	NM	NM	NM	No lock	OK	OK	OK	
DP-MW-05	Upper	2	1122995.89	954882.97	409.93	NM	NM	NM	NM	No lock	OK	OK	OK	
MW-08	Upper	2	1123604.65	953918.88	404.00	-	5.63	-	398.37	No lock	OK	OK	OK	
MW-49	Upper	2	1124635.39	953204.37	407.66	-	11.32	-	396.34	No lock	OK	OK	OK	
MW-69	Upper	2	1123575.09	953238.60	403.70	-	6.05	-	397.65	No lock	OK	OK	OK	
MW-70	Upper	2	1124609.37	952918.96	406.24	-	11.23	-	395.01	No lock	OK	OK	OK	
MW-72	Upper	2	1123133.97	952768.81	404.10	-	5.45	-	398.65	No lock	OK	OK	OK	
MW-74	Upper	2	1123318.97	953446.58	405.64	-	7.49	-	398.15	No lock	OK	OK	OK	
MW-75	Upper	2	1123849.47	954074.99	405.29	-	6.84	-	398.45	No lock	OK	OK	OK	
MW-78	Upper	2	1124424.80	954858.90	402.58	-	7.61	-	394.97	No lock	OK	OK	OK	
MW-81	Upper	2	1124341.64	954033.81	406.10	-	8.20	-	397.90	No lock	OK	OK	OK	
MW-82	Upper	2	1124398.72	954533.30	404.19	-	9.83	-	394.36	No lock	OK	OK	OK	
MW-83	Upper	2	1124336.76	954304.18	404.92	-	7.00	-	397.92	No lock	OK	OK	OK	
MW-84	Upper	2	1123704.67	953673.48	403.57	-	7.04	-	396.53	No lock	OK	OK	OK	


Specific Gravity of Free Phase Product = 0.73 based on historical reports
 Groundwater Elevation = Measuring Point Elevation - Depth to Water (BTOR) + (0.73 x Free Phase Product Thickness)
 NA - Not Available
 NM - Not Measured

TABLE 3
CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-SEPTEMBER 2022

Location ID			AR-MW-02	AR-MW-06	DP-MW-04	MW-03D	MW-03S
Sample ID			AR-MW-02	AR-MW-06	DP-MW-04	MW-03D	FD-092022
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/21/22	09/21/22	09/21/22	09/20/22	09/20/22
Parameter	Units	Criteria*					Field Duplicate (1-1)
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	0.57 U	20.1
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	4.9
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	22.6	0.51 U	8.9	618 D
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	1.6
Acetone	UG/L	50	3.1 U	3.1 U	3.1 J	3.1 U	3.1 U
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	0.45 J
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Tetrachloroethene	UG/L	5	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
Toluene	UG/L	5	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U
Trichloroethene	UG/L	5	0.53 U	2.8	0.53 U	0.53 U	1.6
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	UG/L	2	0.52 U	0.81 J	0.52 U	1.5	30.1
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	0.73 U	NA	0.73 U	0.69 U	0.97 J

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 3
CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-SEPTEMBER 2022

Location ID			MW-03S	MW-09	MW-10	MW-14	MW-14D
Sample ID			MW-03S	MW-09	MW-10	MW-14	MW-14D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/20/22	09/20/22	09/22/22	09/23/22	09/23/22
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.93 J	0.54 U	0.54 U	NA
1,1-Dichloroethane	UG/L	5	20.1	0.85 J	0.57 U	0.57 U	NA
1,1-Dichloroethene	UG/L	5	4.7	0.59 U	0.59 U	0.59 U	NA
1,2-Dichloroethene (cis)	UG/L	5	623 D	1.2	0.51 U	0.51 U	NA
1,2-Dichloroethene (trans)	UG/L	5	2.0	0.54 U	0.54 U	0.54 U	NA
Acetone	UG/L	50	3.1 U	3.1 U	3.1 U	3.1 U	NA
Benzene	UG/L	1	0.55	0.43 U	0.43 U	0.43 U	NA
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	0.73 U	NA
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	0.6 U	NA
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	0.65 U	NA
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	0.6 U	0.6 U	NA
Tetrachloroethene	UG/L	5	0.56 U	0.56 U	0.56 U	0.56 U	NA
Toluene	UG/L	5	0.49 U	0.49 U	0.49 U	0.49 U	NA
Trichloroethene	UG/L	5	1.6	2.9	0.53 U	0.53 U	NA
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	0.4 U	0.4 U	NA
Vinyl chloride	UG/L	2	28.2	0.52 U	0.52 U	0.52 UJ	NA
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	NA
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	1.7	NA	0.69 U	0.69 U	0.69 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.


Detection Limits shown are MDL

TABLE 3
CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-SEPTEMBER 2022

Location ID			MW-17	MW-18	MW-19	MW-21	MW-23
Sample ID			MW-17	MW-18	MW-19	MW-21	MW-23
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/22/22	09/22/22	09/22/22	09/21/22	09/22/22
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	11 U	0.54 U	0.54 U	56.7
1,1-Dichloroethane	UG/L	5	0.57 U	20.7	0.57 U	0.57 U	173 D
1,1-Dichloroethene	UG/L	5	0.59 U	19.6 J	0.59 U	0.59 U	20.8
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	4,350	0.51 U	2.5	2,150 D
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	51.3	0.54 U	0.54 U	11.1
Acetone	UG/L	50	3.1 U	61 U	3.1 U	4.1 J	3.2 J
Benzene	UG/L	1	0.43 U	8.5 U	0.43 U	0.43 U	1.0
Chloroethane	UG/L	5	0.73 U	15 U	0.73 U	0.73 U	6.4 J
Ethylbenzene	UG/L	5	0.6 U	12 U	0.6 U	0.6 U	13.6
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	13 U	0.65 U	0.65 U	1.8
Methylcyclohexane	UG/L	-	0.6 U	16.2 J	0.6 U	0.6 U	8.7
Tetrachloroethene	UG/L	5	0.56 U	11 U	0.56 U	0.56 U	0.56 U
Toluene	UG/L	5	0.49 U	9.8 U	0.49 U	0.49 U	5.5
Trichloroethene	UG/L	5	0.53 U	432	1.0	0.53 U	236
Trichlorofluoromethane	UG/L	5	0.4 U	8 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	UG/L	2	0.52 U	996 J	0.52 U	0.52 U	167 J
Xylene (total)	UG/L	5	0.59 U	12 U	0.59 U	0.59 U	3.2
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	0.67 U	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.


Detection Limits shown are MDL

TABLE 3
CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-SEPTEMBER 2022

Location ID			MW-26	MW-38	MW-44	MW-45	MW-48
Sample ID			MW-26	MW-38	MW-44	MW-45	MW-48
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/22/22	09/22/22	09/22/22	09/23/22	09/21/22
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	1.0	0.54 U	0.54 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	0.57 U	1.9
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	1.2	0.51 U	17.2	39.7
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	3.2	2.4
Acetone	UG/L	50	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Tetrachloroethene	UG/L	5	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
Toluene	UG/L	5	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U
Trichloroethene	UG/L	5	0.53 U	13.1	4.7	116	84.7
Trichlorofluoromethane	UG/L	5	0.4 U	7.4	0.4 U	0.4 U	0.4 U
Vinyl chloride	UG/L	2	0.52 U	0.52 U	0.52 U	1.7	1.0
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.


Detection Limits shown are MDL

TABLE 3
CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-SEPTEMBER 2022

Location ID			MW-50	MW-57	MW-58	MW-66	MW-69
Sample ID			MW-50	MW-57	MW-58	MW-66	MW-69
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/22/22	09/22/22	09/23/22	09/23/22	09/20/22
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	5.4 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	1.2	54.9
1,1-Dichloroethene	UG/L	5	0.59 U	1.6	0.59 U	0.59 U	7.9 J
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	387 D	44.8	99.8	259
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	1.6	0.54 U	0.67 J	14.5
Acetone	UG/L	50	3.1 U	3.1 U	3.1 U	3.1 U	31 U
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	4.3 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	0.73 U	7.3 U
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	0.6 U	6 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	0.65 U	6.5 U
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	0.6 U	0.6 U	6 U
Tetrachloroethene	UG/L	5	0.56 U	0.56 U	0.56 U	0.56 U	5.6 U
Toluene	UG/L	5	0.49 U	0.49 U	0.49 U	0.49 U	4.9 U
Trichloroethene	UG/L	5	0.53 U	0.59 J	22.9	7.4	1,660
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	0.4 U	0.4 U	4 U
Vinyl chloride	UG/L	2	0.52 U	546 D	2.2	3.0	27.2
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	5.9 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.


Detection Limits shown are MDL

TABLE 3
CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-SEPTEMBER 2022

Location ID			MW-70	MW-71	MW-75	MW-76	MW-77
Sample ID			MW-70	MW-71	MW-75	MW-76	FD-092122
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/21/22	09/22/22	09/21/22	09/21/22	09/21/22
Parameter	Units	Criteria*					Field Duplicate (1-1)
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	45.9	0.51 U	0.51 U	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	3.1	0.54 U	0.54 U	0.54 U
Acetone	UG/L	50	3.1 U	3.1 U	3.4 J	3.1 U	3.1 U
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Tetrachloroethene	UG/L	5	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
Toluene	UG/L	5	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U
Trichloroethene	UG/L	5	0.53 U	85.7	0.53 U	0.53 U	0.53 U
Trichlorofluoromethane	UG/L	5	0.4 U	0.82 J	0.4 U	0.4 U	0.4 U
Vinyl chloride	UG/L	2	0.52 U	9.4	0.52 U	0.52 U	0.52 U
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	1.5	3.2	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

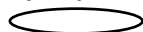
Detection Limits shown are MDL

TABLE 3
CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-SEPTEMBER 2022

Location ID			MW-77	MW-79	MW-79	MW-84	MW-85
Sample ID			MW-77	FD-092322	MW-79	MW-84	MW-85
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/21/22	09/23/22	09/23/22	09/21/22	09/22/22
Parameter	Units	Criteria*		Field Duplicate (1-1)			
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Acetone	UG/L	50	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Tetrachloroethene	UG/L	5	0.56 U	0.56 U	0.56 U	3.4	0.56 U
Toluene	UG/L	5	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U
Trichloroethene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	UG/L	2	0.52 U	0.52 UJ	0.52 UJ	0.52 U	0.52 U
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

Only Detected Results Reported.

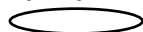
Detection Limits shown are MDL

TABLE 3
CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-SEPTEMBER 2022

Location ID			TR3-MW-02	TR3-PW-01
Sample ID			TR3-MW-02	TR3-PW-01
Matrix			Groundwater	Groundwater
Depth Interval (ft)			-	-
Date Sampled			09/23/22	09/21/22
Parameter	Units	Criteria*		
Volatile Organic Compounds				
1,1,1-Trichloroethane	UG/L	5	0.54 U	270 U
1,1-Dichloroethane	UG/L	5	0.57 U	280 U
1,1-Dichloroethene	UG/L	5	0.59 U	300 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	8,160
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	270 U
Acetone	UG/L	50	3.1 U	1,500 U
Benzene	UG/L	1	0.43 U	210 U
Chloroethane	UG/L	5	0.73 U	360 U
Ethylbenzene	UG/L	5	0.6 U	300 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	320 U
Methylcyclohexane	UG/L	-	0.6 U	300 U
Tetrachloroethene	UG/L	5	0.56 U	280 U
Toluene	UG/L	5	0.49 U	250 U
Trichloroethene	UG/L	5	0.53 U	83,000
Trichlorofluoromethane	UG/L	5	0.4 U	200 U
Vinyl chloride	UG/L	2	0.52 UJ	260 U
Xylene (total)	UG/L	5	0.59 U	300 U
Semivolatile Organic Compounds				
1,4-Dioxane	UG/L	-	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria


Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 4
CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
STATISTICAL SUMMARY OF GROUNDWATER RESULTS - SEPTEMBER 2022

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Freq. of Detections	Range of Detections			No. Exceed	Location of Max Value
						Min	Max	Avg		
Volatile Organic Compounds										
1,1,1-Trichloroethane	UG/L	5	36	3	8.3%	0.930	56.70	19.54	1	MW-23
1,1-Dichloroethane	UG/L	5	36	8	22.2%	0.850	173.0	36.59	5	MW-23
1,1-Dichloroethene	UG/L	5	36	6	16.7%	1.60	20.80	9.92	3	MW-23
1,2-Dichloroethene (cis)	UG/L	5	36	17	47.2%	1.20	8,160	990.0	14	TR3-PW-01
1,2-Dichloroethene (trans)	UG/L	5	36	10	27.8%	0.670	51.30	9.15	3	MW-18
Acetone	UG/L	50	36	4	11.1%	3.10	4.10	3.45	0	MW-21
Benzene	UG/L	1	36	3	8.3%	0.450	1.00	0.667	1	MW-23
Chloroethane	UG/L	5	36	1	2.8%	6.40	6.40	6.40	1	MW-23
Ethylbenzene	UG/L	5	36	1	2.8%	13.60	13.60	13.60	1	MW-23
Isopropylbenzene (Cumene)	UG/L	5	36	1	2.8%	1.80	1.80	1.80	0	MW-23
Methylcyclohexane	UG/L	-	36	2	5.6%	8.70	16.20	12.45	0	MW-18
Tetrachloroethene	UG/L	5	36	1	2.8%	3.40	3.40	3.40	0	MW-84
Toluene	UG/L	5	36	1	2.8%	5.50	5.50	5.50	1	MW-23
Trichloroethene	UG/L	5	36	17	47.2%	0.590	8.30E+04	5,040	10	TR3-PW-01
Trichlorofluoromethane	UG/L	5	36	2	5.6%	0.820	7.40	4.11	1	MW-38
Vinyl chloride	UG/L	2	36	13	36.1%	0.810	996.0	139.5	9	MW-18

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. CI


 Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4
CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
STATISTICAL SUMMARY OF GROUNDWATER RESULTS - SEPTEMBER 2022

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Freq. of Detections	Range of Detections			No. Exceed	Location of Max Value
						Min	Max	Avg		
Volatile Organic Compounds										
Xylene (total)	UG/L	5	36	1	2.8%	3.20	3.20	3.20	0	MW-23
Semivolatile Organic Compounds										
1,4-Dioxane	UG/L	-	11	4	36.4%	0.970	3.20	1.84	0	MW-71

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. CI

 Concentration Exceeds Criteria

Only Detected Results Reported.

APPENDIX A
LOW FLOW GROUNDWATER PURGING/SAMPLING LOGS

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: AR-MW-02
 Date: 9/21/22 Sampling Personnel: T. Urban Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: LDPE + silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 7.66 Depth to Well Bottom: 12.80 Well Diameter: 2" Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 3.17 Estimated Purge Volume (liters): 7.2

Sample ID: AR-MW-02 Sample Time: 1145 QA/QC: none

Sample Parameters: VOCs + 1,4-Dioxane
 Other Information:

PURGE PARAMETERS

230

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1115	7.13	16.6	1.107	3.08	8.25	23.6	250	7.66
1120	7.00	16.9	1.050	1.79	2.70	52.1	250	8.50
1125	6.99	16.9	1.054	1.61	2.15	58.9	250	8.85
1130	6.98	16.9	1.057	1.65	1.61	63.8	250	9.20
1135	6.98	16.9	1.062	1.73	0.79	67.8	220	9.48
1140	6.98	16.9	1.065	1.69	0.86	69.8	220	9.71
1145	6.99	16.8	1.065	1.61	0.76	71.1	220	10.00
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{well} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: AR-MW-06
 Date: 9/21/22 Sampling Personnel: R. Murphy Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: HDPE/SILICONE Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 9.55 Depth to Well Bottom: 13.34 Well Diameter: 2" Screen Length: _____

Casing Type: PVC Volume in 1 Well Casing (liters): 2.34 Estimated Purge Volume (liters): 5.1

Sample ID: ARMW-06 Sample Time: 1152 QA/QC: none

Sample Parameters: VOLs

Other Information: _____

PURGE PARAMETERS

180

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1122	6.94	18.5	1.562	5.78	14.21	117.4	210	9.55
1127	6.94	17.3	1.511	4.88	11.62	118.7	160	10.28
1132	6.94	17.5	1.480	4.49	7.99	118.3	160	10.41
1137	6.95	17.4	1.464	4.13	4.99	118.9	160	10.54
1142	6.95	17.3	1.455	3.67	4.03	118.8	160	10.60
1147	6.95	17.3	1.446	3.42	3.29	118.6	160	10.67
1152	6.95	17.2	1.433	3.31	2.65	118.3	160	10.70
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{well} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: DP-MW-04
 Date: 9/21/22 Sampling Personnel: T. Urban Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: LDPE + silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 5.55 Depth to Well Bottom: 11.60 Well Diameter: 2" Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 3.73 Estimated Purge Volume (liters): 4.5

Sample ID: DP-MW-04 Sample Time: 09:25 QA/QC: none

Sample Parameters: VOCs + 1,4-Dioxane

Other Information:

PURGE PARAMETERS

200

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
0900	6.74	16.6	1.666	2.77	6.05	-31.9	180	5.55
0905	6.69	16.8	1.584	1.48	4.70	-34.4	180	6.33
0910	6.67	17.1	1.438	1.34	4.55	-30.5	180	6.55
0915	6.63	17.2	1.270	1.30	3.29	-7.1	180	6.82
0920	6.64	17.3	1.228	1.30	2.91	-4.4	180	7.02
0925	6.64	17.3	1.257	1.24	2.29	-10.1	180	7.22
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES—0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{cy} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: MW-03D
 Date: 9/20/22 Sampling Personnel: R. MURPHY Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: HOPE/SILICONE Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 8.40 Depth to Well Bottom: 29.80 Well Diameter: 2" Screen Length:
 Volume in 1 Well Casing (liters): 21.40
 Casing Type: PVC Estimated Purge Volume (liters): 13.2
15.2

Sample ID: MW-03D Sample Time: 1628 QA/QC: MS/MSD
 Sample Parameters: VOCs + 1,4-Dioxane
 Other Information:

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1548	6.98	17.1	2.705	0.85	12.38	-16.7	380	8.48
1553	6.97	16.6	2.700	0.48	22.01	-44.8	380	8.11.35
1558	6.97	16.6	2.698	0.38	6.91	-56.3	380	12.50
1603	6.98	16.5	2.688	0.31	5.52	-64.0	380	13.48
1608	6.98	16.3	2.672	0.29	6.30	-68.1	380	14.15
1613	6.98	16.2	2.671	0.28	5.96	-69.6	380	14.60
1618	6.98	16.2	2.666	0.26	5.31	-71.2	380	14.90
1623	6.98	16.1	2.661	0.26	5.12	-72.0	380	15.11
1628	6.98	16.0	2.656	0.25	5.28	-72.7	380	15.30
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{cy} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: MW-035
 Date: 9/20/22 Sampling Personnel: T. Urban Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: HDPE + silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 8.32 Depth to Well Bottom: 15.65 Well Diameter: 2" Screen Length:
6.96 actual 14.29 actual

Casing Type: PVC Volume in 1 Well Casing (liters): 4.52 Estimated Purge Volume (liters): 6.0

Sample ID: MW-035 Sample Time: 1620 QA/QC: Field Pop
FD-092022
 Sample Parameters: VOCs + 1,4-dioxane
 Other Information:

PURGE PARAMETERS

+ 1.36

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1550	7.06	20.3	6.377	2.51	67.30	-112.7	200	8.32
1555	7.06	20.5	6.391	1.59	19.54	-105.5	200	8.80
1600	7.08	20.8	6.316	1.33	6.12	-105.0	200	8.91
1605	7.19	20.8	5.765	1.22	3.75	-111.4	200	9.00
1610	7.23	20.9	5.499	1.19	3.29	-111.2	200	9.09
1615	7.23	20.9	5.494	1.22	5.10	-107.8	200	9.19
1620	7.22	21.0	5.548	1.22	9.82	-105.1	200	9.28
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES—0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{cyl} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: MW-09
 Date: 9/20/22 Sampling Personnel: R. MURPHY Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: TEFLON / SILICONE Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 5.98 Depth to Well Bottom: 17.46 Well Diameter: 2" Screen Length: _____

Casing Type: SS Volume in 1 Well Casing (liters): 7.1 Estimated Purge Volume (liters): 8.8

Sample ID: MW-09 Sample Time: 1808 QA/QC: none

Sample Parameters: VOCs

Other Information: IRON FLOC AT START OF PURGE

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1713	7.38	16.5	1.347	2.11	75.01	63.3	160	5.98
1718	7.33	16.3	1.271	0.74	17.82	37.9	160	6.58
1723	7.30	16.3	1.201	0.55	10.21	30.1	160	6.83
1728	7.29	16.2	1.139	0.49	5.21	29.5	160	6.91
1733	7.28	16.2	1.128	0.47	3.63	29.0	160	7.10
1738	7.29	16.4	1.096	0.49	2.70	27.0	160	7.21
1743	7.30	16.4	1.077	0.58	2.91	26.7	160	7.36
1748	7.33	16.3	1.047	0.78	2.35	24.5	160	7.45
1753	7.35	16.3	1.040	0.88	2.28	24.5	160	7.54
1758	7.36	16.3	1.038	0.97	2.35	24.2	160	7.65
1803	7.37	16.2	1.039	0.99	2.13	24.3	160	7.74
1808	7.37	16.2	1.045	0.97	2.18	22.5	160	7.79
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{well} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: MW-10
 Date: 9/22/22 Sampling Personnel: T. Urban Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: LDPE + silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 8.49 Depth to Well Bottom: 14.85 Well Diameter: 2" Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 3.92 Estimated Purge Volume (liters): 6.0

Sample ID: MW-10 Sample Time: 1115 QA/QC: None

Sample Parameters: VOCs + 1,4-Dioxane
 Other Information:

PURGE PARAMETERS

170

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1040	7.04	17.3	4.241	4.96	1042.18	4.9	170	8.49
1045	6.93	17.1	4.166	1.79	235.46	9.7	170	9.10
1050	6.91	17.2	4.156	1.59	137.39	9.7	170	9.33
1055	6.89	17.2	4.136	1.54	80.60	19.1	170	9.62
1100	6.81	17.3	4.203	1.82	36.72	17.6	170	9.91
1105	6.79	17.4	4.291	1.86	25.97	10.9	170	10.20
1110	6.80	17.4	4.323	1.80	22.33	5.4	170	10.49
1115	6.81	17.4	4.398	1.72	19.32	1.9	170	10.80
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES—0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{cyl} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: MW-14
 Date: 9/23/22 Sampling Personnel: T. Urban Company: AECOM

Purging/
Sampling
Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: HDPE & Silicone Pump/Tubing
Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 9.95 Depth to Well Bottom: 21.17 Well Diameter: 2" Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 6.92 Estimated Purge Volume (liters): 7.2

Sample ID: MW-14 Sample Time: 1000 QA/QC: none

Sample Parameters: VOCs & 1,4-Dioxane

Other Information:

PURGE PARAMETERS

200

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
0920	6.96	13.3	1.856	4.44	7.15	-125.8	180	9.95
0925	6.87	13.7	1.806	2.20	6.07	-119.1	180	11.10
0930	6.86	13.8	1.800	1.85	3.28	-119.1	180	11.28
0935	6.86	13.8	1.794	1.64	1.76	-119.1	180	11.60
0940	6.86	13.7	1.795	1.56	3.61	-119.0	180	11.78
0945	6.86	13.8	1.792	1.49	7.03	-118.3	180	12.03
0950	6.88	13.9	1.799	1.44	7.90	-117.8	180	12.29
0955	6.88	14.0	1.813	1.42	5.91	-117.5	180	12.49
1000	6.89	13.8	1.824	1.41	4.66	-116.7	180	12.70
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{cy} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: MW-17

Date: 9/22/22 Sampling Personnel: T. Urban Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: LDPE + silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 7.92 Depth to Well Bottom: 15.15 Well Diameter: 2" Screen Length:

Casing Type: S.S. Volume in 1 Well Casing (liters): 4.46 Estimated Purge Volume (liters): 4.5

Sample ID: MW-17 Sample Time: 1000 QA/QC: None

Sample Parameters: VOCs + 1,4-Dioxane

Other Information:

PURGE PARAMETERS

180

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
0930	6.93	14.6	6.043	5.07	388.58	-12.2	150	7.92
0935	6.92	14.8	6.080	2.64	266.01	-14.4	150	8.38
0940	6.90	15.0	6.023	1.70	39.26	-13.1	150	8.65
0945	6.91	15.0	6.021	1.69	26.15	-10.9	150	8.65 8.75
0950	6.92	15.0	6.018	1.69	14.75	-10.0	150	8.92
0955	6.93	15.1	6.014	1.62	13.40	-14.0	150	9.12
1000	6.93	15.1	6.012	1.59	12.14	-16.5	150	9.22
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{well} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: MW-18
 Date: 9/22/22 Sampling Personnel: T. Urban Company: AECOM

Purging/
Sampling
Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: teflon + silicone Pump/Tubing
Inlet
Location: Midpoint of Screen
 Measuring Point: Below Top of Riser Initial Depth to Water: 4.80 Depth to Well Bottom: 9.28 Well Diameter: 2" Screen Length:
 Casing Type: S.S. Volume in 1 Well Casing (liters): 2.76 Estimated Purge Volume (liters): 6.3

Sample ID: MW-18 Sample Time: 1600 QA/QC: None
 Sample Parameters: VOCS
 Other Information:

PURGE PARAMETERS 180

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1525	7.03	15.8	3.994	2.83	119.82	-87.8	180	4.80
1530	7.03	15.9	3.897	2.04	190.44	-88.0	180	4.90
1535	7.03	16.2	4.136	1.46	27.43	-90.0	180	4.90
1540	7.02	16.3	4.552	1.34	19.65	-86.3	180	4.90
1545	7.01	16.3	4.913	1.29	20.13	-88.8	180	4.90
1550	7.00	16.3	5.397	1.24	33.53	-87.7	180	4.90
1555	7.00	16.3	5.438	1.22	45.97	-87.2	180	4.90
1600	7.00	16.3	5.507	1.21	22.00	-86.9	180	4.90
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES—0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{cy} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1 4 Site: Carrier - Thompson Road Well I.D.: MW-19
 Date: 9/22/22 Sampling Personnel: T. Urban Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: Teflon + Silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 8.97 Depth to Well Bottom: 16.62 Well Diameter: 2" Screen Length: _____

Casing Type: PVC Volume in 1 Well Casing (liters): 4.72 Estimated Purge Volume (liters): 6.7

Sample ID: MW-19(F) Sample Time: 1250 QA/QC: FD on PCB's
 Sample Parameters: VOCs + PCB's (filtered + not filtered) FD-092222-1
 Other Information: _____

PURGE PARAMETERS

190

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1215	7.31	16.7	2.227	3.36	115.84	-64.7	190	8.97
1220	7.24	16.9	2.206	2.89	97.40	-65.5	190	9.22
1225	7.23	16.8	2.173	2.46	30.42	-25.0	190	9.36
1230	7.22	16.7	2.155	2.35	13.35	9.0	190	9.46
1235	7.21	16.7	2.145	2.31	8.37	31.4	190	9.55
1240	7.20	16.9	2.185	2.27	7.01	40.4	190	9.63
1245	7.21	16.9	2.229	2.28	4.32	46.6	190	9.71
1250	7.21	16.7	2.235	2.31	4.67	48.3	190	9.76
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{cyl} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: MW-21

Date: 9/21/22 Sampling Personnel: T. Urban Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: LDPE + silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 10.74 Depth to Well Bottom: 14.84 Well Diameter: 2" Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 2.53 Estimated Purge Volume (liters): 3.0

Sample ID: MW-21 Sample Time: 1405 QA/QC: None

Sample Parameters: VOCs

Other Information:

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1340	6.95	18.6	1.554	2.26	35.26	-110.8	120	10.74
1345	6.94	19.2	1.556	1.55	17.31	-111.4	120	10.82
1350	6.94	19.1	1.549	1.38	7.47	-107.1	120	10.84
1355	6.94	19.2	1.546	1.27	6.35	-105.4	120	10.84
1400	6.94	19.0	1.543	1.22	2.60	-103.9	120	10.84
1405	6.93	19.0	1.544	1.21	1.66	-102.7	120	10.84
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{cy} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: MW-23

Date: 9/22/22 Sampling Personnel: R. Murphy Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: TEFLON/SILICONS Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 8.62 Depth to Well Bottom: 16.32 Well Diameter: 2" Screen Length: _____

7.70

Casing Type: PVC Volume in 1 Well Casing (liters): 4.75 Estimated Purge Volume (liters): 3.4

Sample ID: MW-23(-F) Sample Time: 1253 QA/QC: None

Sample Parameters: VOCs + PCBs (filtered & not filtered)

Other Information: _____

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1223	7.28	18.8	1.292	1.54	10.80	-78.9	135	8.62
1228	7.38	17.6	1.284	0.49	5.85	-104.2	120	9.90
1233	7.33	17.3	1.251	0.45	7.41	-113.1	110	10.52
1238	7.25	17.9	1.184	0.42	5.74	-118.6	110	11.05
1243	7.24	18.0	1.172	0.40	5.88	-121.3	110	11.43
1248	7.22	17.6	1.156	0.38	3.47	-122.5	110	11.92
1253	7.21	17.7	1.150	0.38	3.23	-123.2	110	12.21
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES—0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{cyl} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: MW-26
 Date: 9/22/22 Sampling Personnel: T. Urban Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: LOPE + silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 4.24 Depth to Well Bottom: 21.57 Well Diameter: 2" Screen Length: _____

Casing Type: PVC Volume in 1 Well Casing (liters): 10.69 Estimated Purge Volume (liters): 9.0

Sample ID: MW-26-MS-MSD-F Sample Time: 08:40 QA/QC: MS/MSD on PCB's
 Sample Parameters: VOCs + PCB's (filtered & non filtered)
 Other Information: _____

PURGE PARAMETERS

200

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
0755	7.41	16.1	0.974	5.27	26.93	116.9	200	4.24
0800	7.33	15.7	0.605	2.03	2.51	86.2	200	4.63
0805	7.33	15.8	0.592	1.61	2.03	30.4	200	4.80
0810	7.33	15.9	0.595	1.77	1.87	3.3	200	5.22
0815	7.33	16.0	0.600	1.41	1.40	-10.0	200	5.50
0820	7.32	16.1	0.609	1.37	1.68	-13.6	200	5.85
0825	7.32	16.2	0.617	1.33	1.81	-17.1	200	6.23
0830	7.31	16.3	0.624	1.30	1.73	-16.2	200	6.57
0835	7.31	16.3	0.627	1.29	1.57	-10.5	200	7.03
0840	7.31	16.4	0.628	1.30	1.55	-8.8	200	7.40

Tolerance: 0.1 --- 3% 10% 10% + or - 10 ---

Information: WATER VOLUMES—0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{cy} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: MW-38
 Date: 9/22/22 Sampling Personnel: R. Murphy Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: TEFLON/SILICONE Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 9.25 Depth to Well Bottom: 14.78 Well Diameter: 2" Screen Length: _____
 Casing Type: PVC Volume in 1 Well Casing (liters): 5.53 Estimated Purge Volume (liters): 3.9
5.53 / 3.4 = 1.63 (circled)

Sample ID: MW-38(-F) Sample Time: 0828 QA/QC: None
 Sample Parameters: VOCs + PCB's (Filtered + non filtered)
 Other Information: _____

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
0758	7.18	17.4	1.218	2.93	50.62	94.8	130	9.25
0803	7.16	17.5	1.141	3.50	27.93	101.9	130	10.60
0808	7.15	17.6	1.104	3.92	11.54	107.6	130	11.09
0813	7.08	17.7	1.057	4.29	11.85	112.4	130	11.52
0818	7.03	17.8	1.040	4.57	14.67	117.0	130	11.97
0823	7.05	17.8	1.049	4.41	9.65	117.2	130	12.44
0828	7.08	17.7	1.067	4.12	9.07	116.5	130	12.88
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft;
 4 inch diameter well = 2470 ml/ft (vol_{cy} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: MW-44
Date: 9/22/22 Sampling Personnel: T. Urban Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Pump/Tubing Inlet Location: Midpoint of Screen
Tubing Type: teflon + silicone

Measuring Point: Below Top of Riser Initial Depth to Water: 6.24 Depth to Well Bottom: 15.70 Well Diameter: 2" Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 5.84 Estimated Purge Volume (liters): 7.5

Sample ID: MW-44(-F) Sample Time: 1445 QA/QC: 1010

Sample Parameters: VOCs + PCBs (filtered + not filtered)
Other Information:

PURGE PARAMETERS

150

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1355	7.03	16.8	10.196	3.68	234.33	102.8	150	6.24
1400	6.99	17.1	10.532	1.84	18.37	73.3	150	6.45
1405	7.00	17.2	10.510	1.50	3.73	78.2	150	6.48
1410	7.02	17.1	10.225	1.44	91.53	83.9	150	6.50
1415	7.08	17.0	6.371	2.55	28.11	84.3	150	6.50
1420	7.12	17.0	4.114	3.10	4.70	85.0	150	6.50
1425	7.19	17.0	2.680	4.84	3.73	84.3	150	6.50
1430	7.20	17.3	1.908	4.90	9.06	88.1	150	6.50
1435	7.20	17.5	1.785	5.31	8.20	92.2	150	6.50
1440	7.19	17.6	1.757	5.47	1.32	95.1	150	6.50
1445	7.19	17.8	1.734	5.46	1.04	97.4	150	6.50
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft;
4 inch diameter well = 2470 ml/ft (vol_{well} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: MW-45

Date: 9/23/22 Sampling Personnel: R. Murphy / T. Urban Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: LDPE + Silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 6.05 Depth to Well Bottom: 13.10 Well Diameter: 2' Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 4.35 Estimated Purge Volume (liters): 8.2

Sample ID: MW-45 Sample Time: 08:54 QA/QC: None

Sample Parameters: VOCs

Other Information:

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
0755	8.20	18.8	9.352	1.14	45.57	22.8	160	6.05
0800	8.45	18.8	8.996	0.45	15.97	-81.2	135	7.50
0805	8.51	18.8	9.096	0.41	14.50	-109.3	135	7.96
0810	8.59	18.7	9.051	0.39	15.65	-127.4	135	8.31
0815	8.67	18.5	8.785	0.38	45.74	-144.7	135	8.70
0820	8.03	18.3	8.471	0.38	270.08	-142.9	135	8.92
0825	7.72	18.4	8.121	0.38	261.20	-131.9	135	9.11
0830	7.58	18.2	7.966	0.39	286.93	-120.7	135	9.30
0835	7.43	18.2	7.943	0.38	421.39	-109.1	135	9.43
0840	7.32	18.2	7.949	0.35	980.98	-99.4	135	9.52
0845	7.26	18.1	7.976	0.34	910.61	-92.4	135	9.60
0850	7.19	18.1	7.991	0.34	951.48	-87.0	135	9.72
0855	7.19	18.1	8.107	0.34	1003.85	-84.1	135	9.80
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{well} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: MW-48
 Date: 9/21/27 Sampling Personnel: T. Carbon Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: LDPE + silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 10.51 Depth to Well Bottom: 17.90 ~~18.30~~ Well Diameter: 2" Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 4.56 ~~4.81~~ Estimated Purge Volume (liters): 4.6

Sample ID: MW-48 Sample Time: 1622 QA/QC: none
 Sample Parameters: VOLCS
 Other Information:

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1520	6.50	16.9	8.938	3.43	7.15	79.3	160	10.51
1525	6.45	17.0	9.026	2.13	9.27	100.7	160	12.10
1530	6.46	17.0	9.023	1.94	37.82	108.4	160	13.28
1535	6.47	17.0	9.020	1.72	55.18	112.6	160	14.44
1540	6.48	17.0	9.024	1.73	60.50	114.1	150	15.40
1545	6.49	17.2	8.994	1.86	65.73	115.7	150	16.42
1550	6.54	17.4	8.859	2.27	53.49	116.1	150	17.30
1552	Dry @ 17.90							
1622								17.10
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{cy} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: MW-50
 Date: 9/22/22 Sampling Personnel: R. Murphy Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: TEFLON/SILICONE Pump/Tubing Inlet Location: Midpoint of Screen
 Measuring Point: Below Top of Riser Initial Depth to Water: 8.93 Depth to Well Bottom: 20.95 Well Diameter: 2" Screen Length:
 Casing Type: PVC Volume in 1 Well Casing (liters): 7.42 Estimated Purge Volume (liters): 17.0

Sample ID: MW-50 Sample Time: 1444 QA/QC: none
 Sample Parameters: VOCs
 Other Information:

PURGE PARAMETERS

370

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1404	7.54	14.3	9.166	1.32	83.04	-102.4	425	8.93
1409	7.56	14.6	8.980	0.45	7.55	-122.7	425	8.95
1414	7.54	15.1	8.312	0.37	7.55	-120.0	425	8.95
1419	7.46	15.3	7.123	0.38	5.62	-111.3	425	8.95
1424	7.37	15.4	6.091	0.40	3.47	-101.1	425	8.95
1429	7.36	15.5	6.036	0.52	3.66	-90.9	425	8.95
1434	7.35	15.7	6.014	0.62	2.46 2.96	-82.9	425	8.95
1439	7.35	15.8	6.006	0.63	2.46	-79.4	425	8.95
1444	7.35	15.8	6.003	0.61	2.34	-77.4	425	8.95
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{cy} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: MW-66
 Date: 9/23/22 Sampling Personnel: R. Murphy Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: TEFLON/SILICONE Pump/Tubing Inlet Location: Midpoint of Screen
 Measuring Point: Below Top of Riser Initial Depth to Water: 5.07 Depth to Well Bottom: 22.60 Well Diameter: 2" Screen Length: _____
 Casing Type: PVC Volume in 1 Well Casing (liters): 10.8 Estimated Purge Volume (liters): 13.9

Sample ID: MW-66 Sample Time: 1137 QA/QC: NONE
 Sample Parameters: VOCS
 Other Information: LOW PARTICULATES

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1040	7.26	13.9	3.600	1.76	356.01	-68.6	240	5.07
1045	7.18	13.9	3.611	0.62	240.41	-68.9	240	5.40
1050	7.18	14.0	3.597	0.42	62.09	-73.2	250	5.48
1055	7.18	14.2	3.564	0.37	41.24	-78.6	250	5.60
1100	7.18	14.4	3.537	0.31	29.37	-81.1	250	5.62
1105	7.15	14.7	3.516	0.32	27.26	-80.0	250	5.62
1110	7.13	14.9	3.504	0.33	24.92	-78.6	250	5.62
1115	7.07	15.3	3.484	0.42	15.77	-69.4	250	5.62
1120	7.04	15.4	3.451	0.51	11.79	-62.8	250	5.62
1125	6.99	15.5	2.270	0.63	7.01	-56.5	250	5.62
1128	6.98	15.5	3.137	0.62	6.72	-53.7	250	5.62
1131	6.99	15.5	2.817	0.65	3.71	-49.0	250	5.62
1134	6.98	15.4	2.747	0.67	3.12	-47.6	250	5.62
1137	6.97	15.4	2.730	0.70	3.18	-45.6	250	5.62
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

250
 1.05 1.05
 2.10 1.05
 3.35 1.25
 1.25
 1.25
 1.25
 1.25
 1.25

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{well} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: MW-69
 Date: 9/20/22 Sampling Personnel: T. Urban Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: LDPE + silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 5.51 Depth to Well Bottom: 13.50 Well Diameter: 2" Screen Length: _____

Casing Type: PRC Volume in 1 Well Casing (liters): 4.93 Estimated Purge Volume (liters): 5.6

Sample ID: MW-69 Sample Time: 17:40 QA/QC: none
 Sample Parameters: VOCs
 Other Information: _____

PURGE PARAMETERS

150

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1705	7.24	15.9	4.569	4.07	66.03	28.5	160	5.51
1710	7.12	16.0	4.543	1.80	32.29	10.3	160	6.17
1715	7.11	16.1	4.556	1.49	40.36	10.3	160	6.41
1720	7.10	16.2	4.608	1.35	41.48	13.7	160	6.64
1725	7.09	16.3	4.704	1.29	49.74	15.6	160	6.86
1730	7.08	16.3	4.817	1.27	60.73	3.9	160	7.04
1735	7.08	16.4	4.872	1.25	62.07	1.9	160	7.18
1740	7.08	16.3	4.913	1.24	64.19	-2.6	160	7.33
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{cy} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: MW-75
 Date: 9/21/22 Sampling Personnel: T. Urban Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: LDPE + silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 6.40 Depth to Well Bottom: 9.90 Well Diameter: 2" Screen Length: _____

Casing Type: PVC Volume in 1 Well Casing (liters): 2-16 Estimated Purge Volume (liters): 3.0

Sample ID: MW-75 Sample Time: 0835 QA/QC: none

Sample Parameters: VOCs

Other Information: _____

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
0805	6.93	18.3	1.221	3.58	6.31	-99.7	100	6.40
0810	6.83	18.4	1.135	1.78	3.62	-109.5	100	6.67
0815	6.78	18.7	1.147	1.49	3.01	-111.6	100	6.80
0820	6.77	18.7	1.172	1.39	2.14	-116.6	100	7.00
0825	6.75	18.8	1.202	1.33	1.89	-116.0	100	7.17
0830	6.74	18.8	1.208	1.29	1.45	-115.1	100	7.33
0835	6.76	18.8	1.197	1.26	1.61	-115.2	100	7.47
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft;
 4 inch diameter well = 2470 ml/ft (vol_{cyl} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: MW-76
 Date: 9/21/22 Sampling Personnel: T. Urban Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: LDPE + silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 7.28 Depth to Well Bottom: 14.30 Well Diameter: 2" Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 4.33 Estimated Purge Volume (liters): 5.3

Sample ID: MW-76 Sample Time: 1025 QA/QC: none
 Sample Parameters: VOCS
 Other Information:

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
0950	6.88	17.1	8.903	2.41	6.45	-63.3	150	7.28
0955	6.86	17.4	8.872	2.44	7.69	-53.2	150	7.58
1000	6.85	17.5	8.772	1.66	5.78	-16.0	150	7.69
1005	6.86	17.7	8.667	1.58	6.25	5.0	150	7.86
1010	6.85	17.8	8.685	1.78	5.52	9.4	150	7.98
1015	6.83	17.9	8.721	2.13	3.36	11.7	150	8.10
1020	6.83	18.0	8.738	2.30	4.85	11.7	150	8.21
1025	6.83	18.0	8.751	2.30	2.17	9.3	150	8.28
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{cy} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: MW-77
 Date: 9/21/22 Sampling Personnel: R. Murphy Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: LDPE/SILICONS Pump/Tubing Inlet Location: Midpoint of Screen
 Measuring Point: Below Top of Riser Initial Depth to Water: 8.47 Depth to Well Bottom: 14.15 Well Diameter: 2" Screen Length: _____
 Casing Type: PVC Volume in 1 Well Casing (liters): 5.68 Estimated Purge Volume (liters): 3.5 8-4

Sample ID: MW-77 Sample Time: 1032 QA/QC: Dup. FD-092122
 Sample Parameters: VOCs
 Other Information: _____

PURGE PARAMETERS

180

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
0941	6.52	18.4	4.599	2.22	20.49	104.4	180	8.47
0946	6.39	17.8	1.844	0.59	19.70	104.1	180	9.22
0951	6.37	18.1	1.987	0.61	13.15	111.1	180	9.54
0956	6.37	18.2	2.229	0.70	9.96	114.1	180	9.85
1001	6.39	18.2	2.589	0.80	9.32	114.7	180	10.40
1006	6.40	18.4	2.824	0.88	8.11	115.6	180	11.29
1011	6.41	18.2	3.150	0.85	16.96	114.8	135	12.55
1016	6.42	18.3	3.600	0.83	18.60	115.7	135	13.03
1021	6.44	19.5	3.729	0.06	18.22	116.2	135	13.45
1026	6.46	20.5	4.155	1.24	12.08	117.5	135	13.57
1029	6.47	20.8	4.161	1.29	10.58	117.6	135	13.57
1032	6.48	20.9	4.174	1.35	8.93	118.1	135	13.57
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{well} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: MW-79
 Date: 9/23/22 Sampling Personnel: T. Urban Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: LDPE + silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 2.93 -Depth to Well Bottom: 10.00 Well Diameter: 2" Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 4.36 Estimated Purge Volume (liters): 7.0

Sample ID: MW-79 Sample Time: 1110 QA/QC: FD-092322

Sample Parameters: VOCs
 Other Information:

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1035	7.10	17.2	2.707	5.21	11.56	-85.4	200	2.93
1040	7.08	17.9	2.769	2.06	12.78	-97.3	200	3.40
1045	7.09	18.4	2.772	1.53	10.02	-106.3	200	3.60
1050	7.07	18.5	2.745	1.36	9.74	-105.5	200	3.88
1055	7.04	18.7	2.722	1.45	4.99	-94.6	200	4.02
1100	7.00	18.9	2.723	1.59	2.14	-81.8	200	4.22
1105	6.99	19.0	2.729	1.49	2.03	-83.1	200	4.35
1110	7.00	18.7	2.759	1.38	2.58	-86.9	200	4.52
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{cy} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: MW-84
 Date: 9/21/22 Sampling Personnel: R. Murphy Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: LDPE/SILICONE Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 6.77 Depth to Well Bottom: 10.95 Well Diameter: 2" Screen Length: 4.18
 Casing Type: PVC Volume in 1 Well Casing (liters): 2.6 Estimated Purge Volume (liters): 10.3

Sample ID: MW-84 Sample Time: 915 QA/QC: none
 Sample Parameters: VOCS
 Other Information: All parameters stable except ORP, sample @ 1 Hour.

PURGE PARAMETERS

170

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
0815	7.28	20.7	2.877	4.19	19.44	131.9	200	6.77
0820	7.21	21.1	3.016	4.03	12.45	133.6	200	7.24
0825	7.26	21.3	3.198	4.76	7.01	134.6	200	7.50
0830	7.26	21.3	3.131	4.40	4.93	134.4	200	7.78
0835	7.14	21.2	2.611	1.63	17.59	123.3	200	8.10
0840	7.13	21.2	2.582	1.56	18.07	108.6	200	8.34
0845	7.11	21.1	2.480	1.14	10.03	39.3	200	8.63
0850	7.11	21.0	2.454	1.21	11.58	-4.9	200	9.01
0855	7.11	21.0	2.451	1.25	12.63	-11.2	200	9.20
0900	7.12	20.9	2.509	1.48	19.02	-17.4	150	9.35
0905	7.14	20.8	2.614	1.85	37.36	-15.3	150	9.44
0910	7.14	20.8	2.629	1.92	67.39	-4.6	150	9.49
0915	7.16	20.8	2.673	2.03	105.39	+14.9	150	9.55
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{well} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: TR3-MW-02
 Date: 9/23/22 Sampling Personnel: T. Urban Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: LDPE + silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 1.59 Depth to Well Bottom: 11.65 Well Diameter: 2" Screen Length:

Casing Type: pucc Volume in 1 Well Casing (liters): 6.21 Estimated Purge Volume (liters): 11.0

Sample ID: TR3-MW-02 Sample Time: 1220 QA/QC: None

Sample Parameters: VOCs

Other Information:

PURGE PARAMETERS

200

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1125	6.90	17.9	2.659	3.16	8.54	-102.3	200	1.59
1130	6.84	17.8	2.691	1.93	4.47	-104.7	200	2.25
1135	6.84	17.7	2.682	1.48	5.34	-108.6	200	2.59
1140	6.84	17.7	2.672	1.29	4.17	-111.2	200	3.06
1145	6.86	18.1	2.568	1.52	6.89	-101.1	200	3.41
1150	6.88	18.5	2.432	1.71	9.17	-86.2	200	3.75
1155	6.90	18.5	2.373	1.95	5.77	-65.7	200	4.03
1200	6.88	18.3	2.424	1.53	4.04	-71.0	200	4.41
1205	6.86	18.3	2.473	1.38	3.45	-81.2	200	4.62
1210	6.83	18.4	2.565	1.21	2.84	-95.0	200	4.95
1215	6.79	18.4	2.598	1.17	2.77	-98.9	200	5.35
1220	6.78	18.5	2.622	1.14	3.42	-101.4	200	5.64
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{cy} = πr²h)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60676549 - 4.2.1_4 Site: Carrier - Thompson Road Well I.D.: TR3-PW-01
 Date: 9/21/22 Sampling Personnel: R. Murphy Company: AECOM

Purging/Sampling Device: Low Flow Peristaltic Pump (GeoPump 2) Tubing Type: LDPE/SILICONE Pump/Tubing Inlet Location: Midpoint of Screen
 Measuring Point: Below Top of Riser Initial Depth to Water: 9.67 Depth to Well Bottom: 28.28 Well Diameter: 4" Screen Length:
 Casing Type: PVC Volume in 1 Well Casing (liters): 45.97 Estimated Purge Volume (liters): 11.4

Sample ID: TR3-PW-01 Sample Time: 1623 QA/QC: none
 Sample Parameters: VOCS
 Other Information: RUN FOR 60 MINUTES DUE TO DIAMETER OF WELL

PURGE PARAMETERS

330
450 → 230

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1523	6.82	15.3	3.919	1.13	92.54	-96.1	340	9.67
1528	6.84	14.7	3.936	0.42	32.76	-109.7	340	10.42
1533	6.84	14.7	3.929	0.33	29.48	-115.4	340	10.92
1538	6.84	15.1	3.927	0.32	30.47	-117.6	275	11.18
1543	6.84	15.1	3.923	0.30	36.66	-118.8	275	11.38
1548	6.84	15.3	3.930	0.28	35.15	-120.1	275	11.60
1553	6.85	15.1	3.926	0.26	40.15	-120.8	175	11.78
1558	6.85	16.0	3.921	0.28	45.47	-121.2	175	11.78
1603	6.85	16.1	3.918	0.28	58.38	-121.5	175	11.81
1608	6.85	16.0	3.921	0.27	32.86	-121.2	175	11.83
1613	6.85	16.1	3.918	0.27	35.64	-121.0	175	11.85
1618	6.86	16.1	3.909	0.26	37.84	-120.9	175	11.86
1623	6.86	15.9	3.916	0.25	33.13	-120.7	175	11.88
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol_{cy} = πr²h)

APPENDIX B
DATA USABILITY SUMMARY REPORT

DATA USABILITY SUMMARY REPORT

**ANNUAL SITE-WIDE GROUNDWATER MONITORING
CARRIER SITE
THOMPSON ROAD, SYRACUSE, NY
SITE ID# 734043**

Analyses Performed by:

**SGS NORTH AMERICA, INC.
DAYTON, NJ 08810**

Prepared for:

**CARRIER CORPORATION
SYRACUSE, NY 13214**

Prepared by:

**AECOM
ONE JOHN JAMES AUDUBON PARKWAY
SUITE 210
AMHERST, NEW YORK 14228**

NOVEMBER 2022

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V. NON-CONFORMANCES.....	2
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TABLES

(Following Text)

Table 1	Validated Groundwater Sample Analytical Results
Table 2	Validated Field QC Sample Analytical Results

ATTACHMENTS

Attachment A – Form 1s

Attachment B – Support Documentation

I. INTRODUCTION

This Data Usability Summary Report (DUSR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *DER-10 Technical Guidance for Site Investigation and Remediation, Appendix 2B - Guidance for Data Deliverables and the Development of Data Usability Summary Reports*, May 2010.

The data being evaluated is from the September 20-23, 2022 sampling of 35 groundwater (GW) samples, 3 field duplicates (FD), 3 matrix spike/matrix spike duplicates (MS/MSDs), 3 equipment blanks (EB), and 3 trip blanks.

II. ANALYTICAL METHODOLOGIES AND DATA VALIDATION PROCEDURES

The analytical laboratory that performed the analyses is SGS North America, Inc., located in Dayton, NJ. The samples were analyzed for the following parameters. Not all samples were analyzed for all parameters.

Matrix	Parameter	Method
Groundwater	Volatile Organic Compounds (VOC) plus Tentatively Identified Compounds (TICs)	SW8260D
	Polychlorinated Biphenyls (PCBs) (Total and Dissolved)	SW8082A
	1,4-Dioxane	SW8270E SIM

A limited data validation was performed following the guidelines in the following USEPA Region II documents:

- *Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SW-846 Method 8260B & 8260C, SOP HW-24, Rev. 4, October 2014;*
- *Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SW-846 Method 8270D, SOP HW-22, Rev. 5, December 2010; and*
- *Polychlorinated Biphenyl (PCB) Aroclor Data Validation, SOP HW-37A, Rev. 0, February 2018.*

The limited validation included: a review of completeness of all required deliverables; holding times; a review of quality control (QC) results [blanks, instrument tunings, calibration standards, field duplicate analyses, and MS/MSD/laboratory control sample (LCS) recoveries] to determine if the data are within the protocol-required limits and specifications; a determination that all samples were analyzed using established and agreed upon analytical protocols; an evaluation of the raw data to confirm the results provided in the data summary sheets; and a review of laboratory data qualifiers.

Qualifications applied to the data during the limited data validation include 'J' (estimated concentration) and 'UJ' (estimated quantitation limit). Definitions of USEPA data qualifiers are presented at the end of this text. The validated analytical results are presented on Tables 1 and 2. Copies of marked-up laboratory analytical summaries (Form 1s) are presented in Attachment A on a per sample delivery group (SDG) basis. Documentation supporting the qualification of data is presented in Attachment B on a per sample delivery group basis. Only analytical deviations affecting data usability are discussed in this report.

III. DATA DELIVERABLE COMPLETENESS

Full deliverable data packages (i.e., NYSDEC Category B or equivalent) were provided by the laboratory, which included all reporting forms and raw data necessary to fully evaluate and verify the reported analytical results.

IV. SAMPLE RECEIPT/PRESERVATION/HOLDING TIMES

All samples were received by the laboratory intact, properly preserved and under proper chain-of-custody with the following exception. The VOC vial for sample MW-45 was not properly preserved (pH >2). Since this sample was analyzed within the 7 day HT for unpreserved samples, no qualification of the data was required. All samples were analyzed within the required holding times.

V. NON-CONFORMANCES

- **Instrument Calibration**

The percent difference (%D) between the Initial Calibration Standards (ICAL) average relative response factor (RRF) and the RRF in one or more of the continuing calibrations (CCALs) associated with the GW and field QC samples exceeded the QC limit of 20% for one or more of the following VOCs: bromomethane, carbon disulfide, chloroethane, cyclohexane, dichlorodifluoromethane, and/or vinyl chloride. The results for these compounds in the associated samples, as listed on the instrument performance check forms, were qualified 'J' or 'UJ'.

Support documentation (i.e., instrument performance check form, continuing calibration summary form) is provided in Attachment B.

- **Matrix Spike Blanks**

The result for chloroethane in the MSB was greater than the QC limit. The detected result for chloroethane in associated sample MW-23 has been qualified 'J'.

Support documentation (i.e., Form 3) is provided in attachment B.

- **Field Duplicates**

Good field and analytical precision is defined as the following:

1. If both the sample and field duplicate (FD) results are greater than 2x the reporting limit (RL), the relative percent difference (RPD) between the two results must be less than 50%.
2. If both the sample and FD results are less than 2x the RL, the absolute difference between the two results must be less than the RL.

Field duplicates were collected at the following sample locations and exhibited good field and analytical precision with any exceptions noted below:

Parent Sample ID	Field Duplicate ID	Parameters Qualified 'J' or 'UJ'
GROUNDWATERS		
MW-03S	FD-092022	---
MW-77	FD-092122	---
MW-19	FD-092222	---
MW-79	FD-092322	---

VI. SAMPLE RESULTS AND REPORTING

All quantitation/detection limits were reported in accordance with method requirements and were adjusted for sample volume and dilution factors. Results below the quantitation limits were qualified 'J' by the laboratory.

Several samples for VOCs were analyzed utilizing dilutions due to sample matrix. The detection limits for the non-detect compounds represent the lowest achievable at the dilution used during the analysis. Those compounds being reported from a secondary dilution have been qualified 'D'.

VII. SUMMARY

All sample analyses were found to be compliant with the method and validation criteria, except where previously noted.

Those results qualified 'J' and 'UJ' are considered conditionally usable. All other sample results are usable as reported. AECOM does not recommend the recollection of any samples currently.

Prepared By: Ann Marie Kropovitch, Chemist *AK* **Date:** 11/1/22

Reviewed By: Peter R. Fairbanks, Senior Chemist *PF* **Date:** 11/1/22

DEFINITIONS OF USEPA DATA QUALIFIERS

- U – The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- (J+) - The result is an estimated quantity. The associated numerical value is biased high.
- (J-) - The result is an estimated quantity. The associated numerical value is biased low.
- UJ – The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- R – The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.
- D – The sample result was reported from a secondary dilution analysis.
- NJ – The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		AR-MW-02	AR-MW-06	DP-MW-04	MW-03D	MW-03S
Sample ID		AR-MW-02	AR-MW-06	DP-MW-04	MW-03D	FD-092022
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/21/22	09/21/22	09/21/22	09/20/22	09/20/22
Parameter	Units					Field Duplicate (1-1)
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	UG/L	1 U	1 U	1 U	1 U	20.1
1,1-Dichloroethene	UG/L	1 U	1 U	1 U	1 U	4.9
1,2,3-Trichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	UG/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (cis)	UG/L	1 U	22.6	1 U	8.9	618 D
1,2-Dichloroethene (trans)	UG/L	1 U	1 U	1 U	1 U	1.6
1,2-Dichloropropane	UG/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene (cis)	UG/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene (trans)	UG/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
2-Hexanone	UG/L	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	UG/L	5 U	5 U	5 U	5 U	5 U
Acetone	UG/L	10 U	10 U	3.1 J	10 U	10 U
Benzene	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.45 J

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		AR-MW-02	AR-MW-06	DP-MW-04	MW-03D	MW-03S
Sample ID		AR-MW-02	AR-MW-06	DP-MW-04	MW-03D	FD-092022
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/21/22	09/21/22	09/21/22	09/20/22	09/20/22
Parameter	Units					Field Duplicate (1-1)
Volatile Organic Compounds						
Bromochloromethane	UG/L	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	UG/L	1 U	1 U	1 U	1 U	1 U
Bromoform	UG/L	1 U	1 U	1 U	1 U	1 U
Bromomethane	UG/L	2 U	2 U	2 U	2 U	2 UJ
Carbon disulfide	UG/L	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Carbon tetrachloride	UG/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
Chloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
Chloroform	UG/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	UG/L	1 U	1 U	1 U	1 U	1 U
Cyclohexane	UG/L	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	UG/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	UG/L	2 U	2 U	2 U	2 U	2 U
Ethylbenzene	UG/L	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	UG/L	1 U	1 U	1 U	1 U	1 U
Methyl acetate	UG/L	5 U	5 U	5 U	5 U	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	UG/L	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane	UG/L	5 U	5 U	5 U	5 U	5 U
Methylene chloride	UG/L	2 U	2 U	2 U	2 U	2 U
Styrene	UG/L	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	UG/L	1 U	1 U	1 U	1 U	1 U
Toluene	UG/L	1 U	1 U	1 U	1 U	1 U

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		AR-MW-02	AR-MW-06	DP-MW-04	MW-03D	MW-03S
Sample ID		AR-MW-02	AR-MW-06	DP-MW-04	MW-03D	FD-092022
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/21/22	09/21/22	09/21/22	09/20/22	09/20/22
Parameter	Units					Field Duplicate (1-1)
Volatile Organic Compounds						
Trichloroethene	UG/L	1 U	2.8	1 U	1 U	1.6
Trichlorofluoromethane	UG/L	2 U	2 U	2 U	2 U	2 U
Vinyl chloride	UG/L	1 U	0.81 J	1 U	1.5	30.1
Xylene (total)	UG/L	1 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
1,4-Dioxane	UG/L	1.1 U	NA	1.1 U	1.1 U	0.97 J
Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	NA	NA	NA	NA
Aroclor 1221	UG/L	NA	NA	NA	NA	NA
Aroclor 1232	UG/L	NA	NA	NA	NA	NA
Aroclor 1242	UG/L	NA	NA	NA	NA	NA
Aroclor 1248	UG/L	NA	NA	NA	NA	NA
Aroclor 1254	UG/L	NA	NA	NA	NA	NA
Aroclor 1260	UG/L	NA	NA	NA	NA	NA
Aroclor 1262	UG/L	NA	NA	NA	NA	NA
Aroclor 1268	UG/L	NA	NA	NA	NA	NA
Dissolved Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	NA	NA	NA	NA
Aroclor 1221	UG/L	NA	NA	NA	NA	NA
Aroclor 1232	UG/L	NA	NA	NA	NA	NA
Aroclor 1242	UG/L	NA	NA	NA	NA	NA
Aroclor 1248	UG/L	NA	NA	NA	NA	NA
Aroclor 1254	UG/L	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

**TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE**

Location ID		AR-MW-02	AR-MW-06	DP-MW-04	MW-03D	MW-03S
Sample ID		AR-MW-02	AR-MW-06	DP-MW-04	MW-03D	FD-092022
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/21/22	09/21/22	09/21/22	09/20/22	09/20/22
Parameter	Units					Field Duplicate (1-1)
Dissolved Polychlorinated Biphenyls						
Aroclor 1260	UG/L	NA	NA	NA	NA	NA
Aroclor 1262	UG/L	NA	NA	NA	NA	NA
Aroclor 1268	UG/L	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22
CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

**TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE**

Location ID		MW-03S	MW-09	MW-10	MW-14	MW-14D
Sample ID		MW-03S	MW-09	MW-10	MW-14	MW-14D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/20/22	09/20/22	09/22/22	09/23/22	09/23/22
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	1 U	0.93 J	1 U	1 U	NA
1,1,2,2-Tetrachloroethane	UG/L	1 U	1 U	1 U	1 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5 U	5 U	5 U	5 U	NA
1,1,2-Trichloroethane	UG/L	1 U	1 U	1 U	1 U	NA
1,1-Dichloroethane	UG/L	20.1	0.85 J	1 U	1 U	NA
1,1-Dichloroethene	UG/L	4.7	1 U	1 U	1 U	NA
1,2,3-Trichlorobenzene	UG/L	1 U	1 U	1 U	1 U	NA
1,2,4-Trichlorobenzene	UG/L	1 U	1 U	1 U	1 U	NA
1,2-Dibromo-3-chloropropane	UG/L	2 U	2 U	2 U	2 U	NA
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1 U	1 U	1 U	1 U	NA
1,2-Dichlorobenzene	UG/L	1 U	1 U	1 U	1 U	NA
1,2-Dichloroethane	UG/L	1 U	1 U	1 U	1 U	NA
1,2-Dichloroethene (cis)	UG/L	623 D	1.2	1 U	1 U	NA
1,2-Dichloroethene (trans)	UG/L	2.0	1 U	1 U	1 U	NA
1,2-Dichloropropane	UG/L	1 U	1 U	1 U	1 U	NA
1,3-Dichlorobenzene	UG/L	1 U	1 U	1 U	1 U	NA
1,3-Dichloropropene (cis)	UG/L	1 U	1 U	1 U	1 U	NA
1,3-Dichloropropene (trans)	UG/L	1 U	1 U	1 U	1 U	NA
1,4-Dichlorobenzene	UG/L	1 U	1 U	1 U	1 U	NA
2-Hexanone	UG/L	5 U	5 U	5 U	5 U	NA
4-Methyl-2-pentanone	UG/L	5 U	5 U	5 U	5 U	NA
Acetone	UG/L	10 U	10 U	10 U	10 U	NA
Benzene	UG/L	0.55	0.5 U	0.5 U	0.5 U	NA

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-03S	MW-09	MW-10	MW-14	MW-14D
Sample ID		MW-03S	MW-09	MW-10	MW-14	MW-14D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/20/22	09/20/22	09/22/22	09/23/22	09/23/22
Parameter	Units					
Volatile Organic Compounds						
Bromochloromethane	UG/L	1 U	1 U	1 U	1 U	NA
Bromodichloromethane	UG/L	1 U	1 U	1 U	1 U	NA
Bromoform	UG/L	1 U	1 U	1 U	1 U	NA
Bromomethane	UG/L	2 UJ	2 U	2 U	2 U	NA
Carbon disulfide	UG/L	2 UJ	2 UJ	2 U	2 U	NA
Carbon tetrachloride	UG/L	1 U	1 U	1 U	1 U	NA
Chlorobenzene	UG/L	1 U	1 U	1 U	1 U	NA
Chloroethane	UG/L	1 U	1 U	1 U	1 U	NA
Chloroform	UG/L	1 U	1 U	1 U	1 U	NA
Chloromethane	UG/L	1 U	1 U	1 U	1 UJ	NA
Cyclohexane	UG/L	5 U	5 U	5 U	5 U	NA
Dibromochloromethane	UG/L	1 U	1 U	1 U	1 U	NA
Dichlorodifluoromethane	UG/L	2 U	2 U	2 U	2 UJ	NA
Ethylbenzene	UG/L	1 U	1 U	1 U	1 U	NA
Isopropylbenzene (Cumene)	UG/L	1 U	1 U	1 U	1 U	NA
Methyl acetate	UG/L	5 U	5 U	5 U	5 U	NA
Methyl ethyl ketone (2-Butanone)	UG/L	10 U	10 U	10 U	10 U	NA
Methyl tert-butyl ether	UG/L	1 U	1 U	1 U	1 U	NA
Methylcyclohexane	UG/L	5 U	5 U	5 U	5 U	NA
Methylene chloride	UG/L	2 U	2 U	2 U	2 U	NA
Styrene	UG/L	1 U	1 U	1 U	1 U	NA
Tetrachloroethene	UG/L	1 U	1 U	1 U	1 U	NA
Toluene	UG/L	1 U	1 U	1 U	1 U	NA

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-03S	MW-09	MW-10	MW-14	MW-14D
Sample ID		MW-03S	MW-09	MW-10	MW-14	MW-14D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/20/22	09/20/22	09/22/22	09/23/22	09/23/22
Parameter	Units					
Volatile Organic Compounds						
Trichloroethene	UG/L	1.6	2.9	1 U	1 U	NA
Trichlorofluoromethane	UG/L	2 U	2 U	2 U	2 U	NA
Vinyl chloride	UG/L	28.2	1 U	1 U	1 UJ	NA
Xylene (total)	UG/L	1 U	1 U	1 U	1 U	NA
Semivolatile Organic Compounds						
1,4-Dioxane	UG/L	1.7	NA	1.1 U	1.1 U	1.1 U
Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	NA	NA	NA	NA
Aroclor 1221	UG/L	NA	NA	NA	NA	NA
Aroclor 1232	UG/L	NA	NA	NA	NA	NA
Aroclor 1242	UG/L	NA	NA	NA	NA	NA
Aroclor 1248	UG/L	NA	NA	NA	NA	NA
Aroclor 1254	UG/L	NA	NA	NA	NA	NA
Aroclor 1260	UG/L	NA	NA	NA	NA	NA
Aroclor 1262	UG/L	NA	NA	NA	NA	NA
Aroclor 1268	UG/L	NA	NA	NA	NA	NA
Dissolved Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	NA	NA	NA	NA
Aroclor 1221	UG/L	NA	NA	NA	NA	NA
Aroclor 1232	UG/L	NA	NA	NA	NA	NA
Aroclor 1242	UG/L	NA	NA	NA	NA	NA
Aroclor 1248	UG/L	NA	NA	NA	NA	NA
Aroclor 1254	UG/L	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

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Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-03S	MW-09	MW-10	MW-14	MW-14D
Sample ID		MW-03S	MW-09	MW-10	MW-14	MW-14D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/20/22	09/20/22	09/22/22	09/23/22	09/23/22
Parameter	Units					
Dissolved Polychlorinated Biphenyls						
Aroclor 1260	UG/L	NA	NA	NA	NA	NA
Aroclor 1262	UG/L	NA	NA	NA	NA	NA
Aroclor 1268	UG/L	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-17	MW-18	MW-19	MW-19	MW-21
Sample ID		MW-17	MW-18	FD-092222	MW-19	MW-21
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/22/22	09/22/22	09/22/22	09/22/22	09/21/22
Parameter	Units			Field Duplicate (1-1)		
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	1 U	20 U	NA	1 U	1 U
1,1,2,2-Tetrachloroethane	UG/L	1 U	20 U	NA	1 U	1 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5 U	100 U	NA	5 U	5 U
1,1,2-Trichloroethane	UG/L	1 U	20 U	NA	1 U	1 U
1,1-Dichloroethane	UG/L	1 U	20.7	NA	1 U	1 U
1,1-Dichloroethene	UG/L	1 U	19.6 J	NA	1 U	1 U
1,2,3-Trichlorobenzene	UG/L	1 U	20 U	NA	1 U	1 U
1,2,4-Trichlorobenzene	UG/L	1 U	20 U	NA	1 U	1 U
1,2-Dibromo-3-chloropropane	UG/L	2 U	40 U	NA	2 U	2 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1 U	20 U	NA	1 U	1 U
1,2-Dichlorobenzene	UG/L	1 U	20 U	NA	1 U	1 U
1,2-Dichloroethane	UG/L	1 U	20 U	NA	1 U	1 U
1,2-Dichloroethene (cis)	UG/L	1 U	4,350	NA	1 U	2.5
1,2-Dichloroethene (trans)	UG/L	1 U	51.3	NA	1 U	1 U
1,2-Dichloropropane	UG/L	1 U	20 U	NA	1 U	1 U
1,3-Dichlorobenzene	UG/L	1 U	20 U	NA	1 U	1 U
1,3-Dichloropropene (cis)	UG/L	1 U	20 U	NA	1 U	1 U
1,3-Dichloropropene (trans)	UG/L	1 U	20 U	NA	1 U	1 U
1,4-Dichlorobenzene	UG/L	1 U	20 U	NA	1 U	1 U
2-Hexanone	UG/L	5 U	100 U	NA	5 U	5 U
4-Methyl-2-pentanone	UG/L	5 U	100 U	NA	5 U	5 U
Acetone	UG/L	10 U	200 U	NA	10 U	4.1 J
Benzene	UG/L	0.5 U	10 U	NA	0.5 U	0.5 U

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-17	MW-18	MW-19	MW-19	MW-21
Sample ID		MW-17	MW-18	FD-092222	MW-19	MW-21
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/22/22	09/22/22	09/22/22	09/22/22	09/21/22
Parameter	Units			Field Duplicate (1-1)		
Volatile Organic Compounds						
Bromochloromethane	UG/L	1 U	20 U	NA	1 U	1 U
Bromodichloromethane	UG/L	1 U	20 U	NA	1 U	1 U
Bromoform	UG/L	1 U	20 U	NA	1 U	1 U
Bromomethane	UG/L	2 U	40 U	NA	2 U	2 U
Carbon disulfide	UG/L	2 U	40 UJ	NA	2 U	2 UJ
Carbon tetrachloride	UG/L	1 U	20 U	NA	1 U	1 U
Chlorobenzene	UG/L	1 U	20 U	NA	1 U	1 U
Chloroethane	UG/L	1 U	20 U	NA	1 U	1 U
Chloroform	UG/L	1 U	20 U	NA	1 U	1 U
Chloromethane	UG/L	1 U	20 U	NA	1 U	1 U
Cyclohexane	UG/L	5 U	100 U	NA	5 U	5 U
Dibromochloromethane	UG/L	1 U	20 U	NA	1 U	1 U
Dichlorodifluoromethane	UG/L	2 U	40 U	NA	2 U	2 U
Ethylbenzene	UG/L	1 U	20 U	NA	1 U	1 U
Isopropylbenzene (Cumene)	UG/L	1 U	20 U	NA	1 U	1 U
Methyl acetate	UG/L	5 U	100 U	NA	5 U	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	10 U	200 U	NA	10 U	10 U
Methyl tert-butyl ether	UG/L	1 U	20 U	NA	1 U	1 U
Methylcyclohexane	UG/L	5 U	16.2 J	NA	5 U	5 U
Methylene chloride	UG/L	2 U	40 U	NA	2 U	2 U
Styrene	UG/L	1 U	20 U	NA	1 U	1 U
Tetrachloroethene	UG/L	1 U	20 U	NA	1 U	1 U
Toluene	UG/L	1 U	20 U	NA	1 U	1 U

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-17	MW-18	MW-19	MW-19	MW-21
Sample ID		MW-17	MW-18	FD-092222	MW-19	MW-21
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/22/22	09/22/22	09/22/22	09/22/22	09/21/22
Parameter	Units			Field Duplicate (1-1)		
Volatile Organic Compounds						
Trichloroethene	UG/L	1 U	432	NA	1.0	1 U
Trichlorofluoromethane	UG/L	2 U	40 U	NA	2 U	2 U
Vinyl chloride	UG/L	1 U	996 J	NA	1 U	1 U
Xylene (total)	UG/L	1 U	20 U	NA	1 U	1 U
Semivolatile Organic Compounds						
1,4-Dioxane	UG/L	1 U	NA	NA	NA	NA
Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	NA	0.4 U	0.4 U	NA
Aroclor 1221	UG/L	NA	NA	0.4 U	0.4 U	NA
Aroclor 1232	UG/L	NA	NA	0.4 U	0.4 U	NA
Aroclor 1242	UG/L	NA	NA	0.4 U	0.4 U	NA
Aroclor 1248	UG/L	NA	NA	0.4 U	0.4 U	NA
Aroclor 1254	UG/L	NA	NA	0.4 U	0.4 U	NA
Aroclor 1260	UG/L	NA	NA	0.4 U	0.4 U	NA
Aroclor 1262	UG/L	NA	NA	0.4 U	0.4 U	NA
Aroclor 1268	UG/L	NA	NA	0.4 U	0.4 U	NA
Dissolved Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	NA	0.4 U	0.4 U	NA
Aroclor 1221	UG/L	NA	NA	0.4 U	0.4 U	NA
Aroclor 1232	UG/L	NA	NA	0.4 U	0.4 U	NA
Aroclor 1242	UG/L	NA	NA	0.4 U	0.4 U	NA
Aroclor 1248	UG/L	NA	NA	0.4 U	0.4 U	NA
Aroclor 1254	UG/L	NA	NA	0.4 U	0.4 U	NA

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-17	MW-18	MW-19	MW-19	MW-21
Sample ID		MW-17	MW-18	FD-092222	MW-19	MW-21
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/22/22	09/22/22	09/22/22	09/22/22	09/21/22
Parameter	Units			Field Duplicate (1-1)		
Dissolved Polychlorinated Biphenyls						
Aroclor 1260	UG/L	NA	NA	0.4 U	0.4 U	NA
Aroclor 1262	UG/L	NA	NA	0.4 U	0.4 U	NA
Aroclor 1268	UG/L	NA	NA	0.4 U	0.4 U	NA

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-23	MW-26	MW-38	MW-44	MW-45
Sample ID		MW-23	MW-26	MW-38	MW-44	MW-45
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/22/22	09/22/22	09/22/22	09/22/22	09/23/22
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	56.7	1 U	1 U	1.0	1 U
1,1,2,2-Tetrachloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	UG/L	173 D	1 U	1 U	1 U	1 U
1,1-Dichloroethene	UG/L	20.8	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	UG/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (cis)	UG/L	2,150 D	1 U	1.2	1 U	17.2
1,2-Dichloroethene (trans)	UG/L	11.1	1 U	1 U	1 U	3.2
1,2-Dichloropropane	UG/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene (cis)	UG/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene (trans)	UG/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
2-Hexanone	UG/L	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	UG/L	5 U	5 U	5 U	5 U	5 U
Acetone	UG/L	3.2 J	10 U	10 U	10 U	10 U
Benzene	UG/L	1.0	0.5 U	0.5 U	0.5 U	0.5 U

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-23	MW-26	MW-38	MW-44	MW-45
Sample ID		MW-23	MW-26	MW-38	MW-44	MW-45
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/22/22	09/22/22	09/22/22	09/22/22	09/23/22
Parameter	Units					
Volatile Organic Compounds						
Bromochloromethane	UG/L	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	UG/L	1 U	1 U	1 U	1 U	1 U
Bromoform	UG/L	1 U	1 U	1 U	1 U	1 U
Bromomethane	UG/L	2 U	2 U	2 U	2 U	2 U
Carbon disulfide	UG/L	2 UJ	2 U	2 U	2 U	2 UJ
Carbon tetrachloride	UG/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
Chloroethane	UG/L	6.4 J	1 U	1 U	1 U	1 U
Chloroform	UG/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	UG/L	1 U	1 U	1 U	1 U	1 U
Cyclohexane	UG/L	5 U	5 U	5 U	5 U	5 UJ
Dibromochloromethane	UG/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	UG/L	2 U	2 U	2 U	2 U	2 UJ
Ethylbenzene	UG/L	13.6	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	UG/L	1.8	1 U	1 U	1 U	1 U
Methyl acetate	UG/L	5 U	5 U	5 U	5 U	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	UG/L	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane	UG/L	8.7	5 U	5 U	5 U	5 U
Methylene chloride	UG/L	2 U	2 U	2 U	2 U	2 U
Styrene	UG/L	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	UG/L	1 U	1 U	1 U	1 U	1 U
Toluene	UG/L	5.5	1 U	1 U	1 U	1 U

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

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Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-23	MW-26	MW-38	MW-44	MW-45
Sample ID		MW-23	MW-26	MW-38	MW-44	MW-45
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/22/22	09/22/22	09/22/22	09/22/22	09/23/22
Parameter	Units					
Volatile Organic Compounds						
Trichloroethene	UG/L	236	1 U	13.1	4.7	116
Trichlorofluoromethane	UG/L	2 U	2 U	7.4	2 U	2 U
Vinyl chloride	UG/L	167 J	1 U	1 U	1 U	1.7
Xylene (total)	UG/L	3.2	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
1,4-Dioxane	UG/L	NA	NA	NA	NA	NA
Polychlorinated Biphenyls						
Aroclor 1016	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	NA
Aroclor 1221	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	NA
Aroclor 1232	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	NA
Aroclor 1242	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	NA
Aroclor 1248	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	NA
Aroclor 1254	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	NA
Aroclor 1260	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	NA
Aroclor 1262	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	NA
Aroclor 1268	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	NA
Dissolved Polychlorinated Biphenyls						
Aroclor 1016	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	NA
Aroclor 1221	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	NA
Aroclor 1232	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	NA
Aroclor 1242	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	NA
Aroclor 1248	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	NA
Aroclor 1254	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	NA

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-23	MW-26	MW-38	MW-44	MW-45
Sample ID		MW-23	MW-26	MW-38	MW-44	MW-45
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/22/22	09/22/22	09/22/22	09/22/22	09/23/22
Parameter	Units					
Dissolved Polychlorinated Biphenyls						
Aroclor 1260	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	NA
Aroclor 1262	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	NA
Aroclor 1268	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	NA

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-48	MW-50	MW-57	MW-58	MW-66
Sample ID		MW-48	MW-50	MW-57	MW-58	MW-66
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/21/22	09/22/22	09/22/22	09/23/22	09/23/22
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	UG/L	1.9	1 U	1 U	1 U	1.2
1,1-Dichloroethene	UG/L	1 U	1 U	1.6	1 U	1 U
1,2,3-Trichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	UG/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (cis)	UG/L	39.7	1 U	387 D	44.8	99.8
1,2-Dichloroethene (trans)	UG/L	2.4	1 U	1.6	1 U	0.67 J
1,2-Dichloropropane	UG/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene (cis)	UG/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene (trans)	UG/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
2-Hexanone	UG/L	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	UG/L	5 U	5 U	5 U	5 U	5 U
Acetone	UG/L	10 U	10 U	10 U	10 U	10 U
Benzene	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

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Detection Limits shown are PQL

**TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE**

Location ID		MW-48	MW-50	MW-57	MW-58	MW-66
Sample ID		MW-48	MW-50	MW-57	MW-58	MW-66
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/21/22	09/22/22	09/22/22	09/23/22	09/23/22
Parameter	Units					
Volatile Organic Compounds						
Bromochloromethane	UG/L	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	UG/L	1 U	1 U	1 U	1 U	1 U
Bromoform	UG/L	1 U	1 U	1 U	1 U	1 U
Bromomethane	UG/L	2 U	2 U	2 U	2 U	2 U
Carbon disulfide	UG/L	2 UJ	2 UJ	2 U	2 UJ	2 UJ
Carbon tetrachloride	UG/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
Chloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
Chloroform	UG/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	UG/L	1 U	1 U	1 U	1 U	1 U
Cyclohexane	UG/L	5 U	5 U	5 U	5 UJ	5 UJ
Dibromochloromethane	UG/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	UG/L	2 U	2 U	2 U	2 UJ	2 UJ
Ethylbenzene	UG/L	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	UG/L	1 U	1 U	1 U	1 U	1 U
Methyl acetate	UG/L	5 U	5 U	5 U	5 U	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	UG/L	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane	UG/L	5 U	5 U	5 U	5 U	5 U
Methylene chloride	UG/L	2 U	2 U	2 U	2 U	2 U
Styrene	UG/L	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	UG/L	1 U	1 U	1 U	1 U	1 U
Toluene	UG/L	1 U	1 U	1 U	1 U	1 U

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-48	MW-50	MW-57	MW-58	MW-66
Sample ID		MW-48	MW-50	MW-57	MW-58	MW-66
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/21/22	09/22/22	09/22/22	09/23/22	09/23/22
Parameter	Units					
Volatile Organic Compounds						
Trichloroethene	UG/L	84.7	1 U	0.59 J	22.9	7.4
Trichlorofluoromethane	UG/L	2 U	2 U	2 U	2 U	2 U
Vinyl chloride	UG/L	1.0	1 U	546 D	2.2	3.0
Xylene (total)	UG/L	1 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
1,4-Dioxane	UG/L	NA	NA	NA	NA	NA
Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	NA	NA	NA	NA
Aroclor 1221	UG/L	NA	NA	NA	NA	NA
Aroclor 1232	UG/L	NA	NA	NA	NA	NA
Aroclor 1242	UG/L	NA	NA	NA	NA	NA
Aroclor 1248	UG/L	NA	NA	NA	NA	NA
Aroclor 1254	UG/L	NA	NA	NA	NA	NA
Aroclor 1260	UG/L	NA	NA	NA	NA	NA
Aroclor 1262	UG/L	NA	NA	NA	NA	NA
Aroclor 1268	UG/L	NA	NA	NA	NA	NA
Dissolved Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	NA	NA	NA	NA
Aroclor 1221	UG/L	NA	NA	NA	NA	NA
Aroclor 1232	UG/L	NA	NA	NA	NA	NA
Aroclor 1242	UG/L	NA	NA	NA	NA	NA
Aroclor 1248	UG/L	NA	NA	NA	NA	NA
Aroclor 1254	UG/L	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-48	MW-50	MW-57	MW-58	MW-66
Sample ID		MW-48	MW-50	MW-57	MW-58	MW-66
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/21/22	09/22/22	09/22/22	09/23/22	09/23/22
Parameter	Units					
Dissolved Polychlorinated Biphenyls						
Aroclor 1260	UG/L	NA	NA	NA	NA	NA
Aroclor 1262	UG/L	NA	NA	NA	NA	NA
Aroclor 1268	UG/L	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-69	MW-70	MW-71	MW-75	MW-76
Sample ID		MW-69	MW-70	MW-71	MW-75	MW-76
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/20/22	09/21/22	09/22/22	09/21/22	09/21/22
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	10 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	UG/L	10 U	1 U	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	50 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	UG/L	10 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	UG/L	54.9	1 U	1 U	1 U	1 U
1,1-Dichloroethene	UG/L	7.9 J	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	UG/L	10 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	UG/L	10 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	UG/L	20 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	10 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	UG/L	10 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	UG/L	10 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (cis)	UG/L	259	1 U	45.9	1 U	1 U
1,2-Dichloroethene (trans)	UG/L	14.5	1 U	3.1	1 U	1 U
1,2-Dichloropropane	UG/L	10 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	UG/L	10 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene (cis)	UG/L	10 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene (trans)	UG/L	10 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	UG/L	10 U	1 U	1 U	1 U	1 U
2-Hexanone	UG/L	50 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	UG/L	50 U	5 U	5 U	5 U	5 U
Acetone	UG/L	100 U	10 U	10 U	3.4 J	10 U
Benzene	UG/L	5 U	0.5 U	0.5 U	0.5 U	0.5 U

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-69	MW-70	MW-71	MW-75	MW-76
Sample ID		MW-69	MW-70	MW-71	MW-75	MW-76
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/20/22	09/21/22	09/22/22	09/21/22	09/21/22
Parameter	Units					
Volatile Organic Compounds						
Bromochloromethane	UG/L	10 U	1 U	1 U	1 U	1 U
Bromodichloromethane	UG/L	10 U	1 U	1 U	1 U	1 U
Bromoform	UG/L	10 U	1 U	1 U	1 U	1 U
Bromomethane	UG/L	20 U	2 U	2 U	2 U	2 U
Carbon disulfide	UG/L	20 UJ	2 UJ	2 U	2 UJ	2 UJ
Carbon tetrachloride	UG/L	10 U	1 U	1 U	1 U	1 U
Chlorobenzene	UG/L	10 U	1 U	1 U	1 U	1 U
Chloroethane	UG/L	10 U	1 U	1 U	1 U	1 U
Chloroform	UG/L	10 U	1 U	1 U	1 U	1 U
Chloromethane	UG/L	10 U	1 U	1 U	1 U	1 U
Cyclohexane	UG/L	50 U	5 U	5 U	5 U	5 U
Dibromochloromethane	UG/L	10 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	UG/L	20 U	2 U	2 U	2 U	2 U
Ethylbenzene	UG/L	10 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	UG/L	10 U	1 U	1 U	1 U	1 U
Methyl acetate	UG/L	50 U	5 U	5 U	5 U	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	100 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	UG/L	10 U	1 U	1 U	1 U	1 U
Methylcyclohexane	UG/L	50 U	5 U	5 U	5 U	5 U
Methylene chloride	UG/L	20 U	2 U	2 U	2 U	2 U
Styrene	UG/L	10 U	1 U	1 U	1 U	1 U
Tetrachloroethene	UG/L	10 U	1 U	1 U	1 U	1 U
Toluene	UG/L	10 U	1 U	1 U	1 U	1 U

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

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Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-69	MW-70	MW-71	MW-75	MW-76
Sample ID		MW-69	MW-70	MW-71	MW-75	MW-76
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/20/22	09/21/22	09/22/22	09/21/22	09/21/22
Parameter	Units					
Volatile Organic Compounds						
Trichloroethene	UG/L	1,660	1 U	85.7	1 U	1 U
Trichlorofluoromethane	UG/L	20 U	2 U	0.82 J	2 U	2 U
Vinyl chloride	UG/L	27.2	1 U	9.4	1 U	1 U
Xylene (total)	UG/L	10 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
1,4-Dioxane	UG/L	NA	1.5	3.2	NA	NA
Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	NA	NA	NA	NA
Aroclor 1221	UG/L	NA	NA	NA	NA	NA
Aroclor 1232	UG/L	NA	NA	NA	NA	NA
Aroclor 1242	UG/L	NA	NA	NA	NA	NA
Aroclor 1248	UG/L	NA	NA	NA	NA	NA
Aroclor 1254	UG/L	NA	NA	NA	NA	NA
Aroclor 1260	UG/L	NA	NA	NA	NA	NA
Aroclor 1262	UG/L	NA	NA	NA	NA	NA
Aroclor 1268	UG/L	NA	NA	NA	NA	NA
Dissolved Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	NA	NA	NA	NA
Aroclor 1221	UG/L	NA	NA	NA	NA	NA
Aroclor 1232	UG/L	NA	NA	NA	NA	NA
Aroclor 1242	UG/L	NA	NA	NA	NA	NA
Aroclor 1248	UG/L	NA	NA	NA	NA	NA
Aroclor 1254	UG/L	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-69	MW-70	MW-71	MW-75	MW-76
Sample ID		MW-69	MW-70	MW-71	MW-75	MW-76
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/20/22	09/21/22	09/22/22	09/21/22	09/21/22
Parameter	Units					
Dissolved Polychlorinated Biphenyls						
Aroclor 1260	UG/L	NA	NA	NA	NA	NA
Aroclor 1262	UG/L	NA	NA	NA	NA	NA
Aroclor 1268	UG/L	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

**TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE**

Location ID		MW-77	MW-77	MW-79	MW-79	MW-84
Sample ID		FD-092122	MW-77	FD-092322	MW-79	MW-84
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/21/22	09/21/22	09/23/22	09/23/22	09/21/22
Parameter	Units	Field Duplicate (1-1)				
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	UG/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	UG/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (cis)	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (trans)	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	UG/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene (cis)	UG/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene (trans)	UG/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
2-Hexanone	UG/L	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	UG/L	5 U	5 U	5 U	5 U	5 U
Acetone	UG/L	10 U	10 U	10 U	10 U	10 U
Benzene	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

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Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-77	MW-77	MW-79	MW-79	MW-84
Sample ID		FD-092122	MW-77	FD-092322	MW-79	MW-84
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/21/22	09/21/22	09/23/22	09/23/22	09/21/22
Parameter	Units	Field Duplicate (1-1)				
Volatile Organic Compounds						
Bromochloromethane	UG/L	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	UG/L	1 U	1 U	1 U	1 U	1 U
Bromoform	UG/L	1 U	1 U	1 U	1 U	1 U
Bromomethane	UG/L	2 U	2 U	2 U	2 U	2 U
Carbon disulfide	UG/L	2 UJ	2 UJ	2 U	2 U	2 UJ
Carbon tetrachloride	UG/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
Chloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
Chloroform	UG/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	UG/L	1 U	1 U	1 UJ	1 UJ	1 U
Cyclohexane	UG/L	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	UG/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	UG/L	2 U	2 U	2 UJ	2 UJ	2 U
Ethylbenzene	UG/L	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	UG/L	1 U	1 U	1 U	1 U	1 U
Methyl acetate	UG/L	5 U	5 U	5 U	5 U	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	UG/L	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane	UG/L	5 U	5 U	5 U	5 U	5 U
Methylene chloride	UG/L	2 U	2 U	2 U	2 U	2 U
Styrene	UG/L	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	UG/L	1 U	1 U	1 U	1 U	3.4
Toluene	UG/L	1 U	1 U	1 U	1 U	1 U

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-77	MW-77	MW-79	MW-79	MW-84
Sample ID		FD-092122	MW-77	FD-092322	MW-79	MW-84
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/21/22	09/21/22	09/23/22	09/23/22	09/21/22
Parameter	Units	Field Duplicate (1-1)				
Volatile Organic Compounds						
Trichloroethene	UG/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	UG/L	2 U	2 U	2 U	2 U	2 U
Vinyl chloride	UG/L	1 U	1 U	1 UJ	1 UJ	1 U
Xylene (total)	UG/L	1 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
1,4-Dioxane	UG/L	NA	NA	NA	NA	NA
Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	NA	NA	NA	NA
Aroclor 1221	UG/L	NA	NA	NA	NA	NA
Aroclor 1232	UG/L	NA	NA	NA	NA	NA
Aroclor 1242	UG/L	NA	NA	NA	NA	NA
Aroclor 1248	UG/L	NA	NA	NA	NA	NA
Aroclor 1254	UG/L	NA	NA	NA	NA	NA
Aroclor 1260	UG/L	NA	NA	NA	NA	NA
Aroclor 1262	UG/L	NA	NA	NA	NA	NA
Aroclor 1268	UG/L	NA	NA	NA	NA	NA
Dissolved Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	NA	NA	NA	NA
Aroclor 1221	UG/L	NA	NA	NA	NA	NA
Aroclor 1232	UG/L	NA	NA	NA	NA	NA
Aroclor 1242	UG/L	NA	NA	NA	NA	NA
Aroclor 1248	UG/L	NA	NA	NA	NA	NA
Aroclor 1254	UG/L	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-77	MW-77	MW-79	MW-79	MW-84
Sample ID		FD-092122	MW-77	FD-092322	MW-79	MW-84
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/21/22	09/21/22	09/23/22	09/23/22	09/21/22
Parameter	Units	Field Duplicate (1-1)				
Dissolved Polychlorinated Biphenyls						
Aroclor 1260	UG/L	NA	NA	NA	NA	NA
Aroclor 1262	UG/L	NA	NA	NA	NA	NA
Aroclor 1268	UG/L	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-85	TR3-MW-02	TR3-PW-01
Sample ID		MW-85	TR3-MW-02	TR3-PW-01
Matrix		Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-
Date Sampled		09/22/22	09/23/22	09/21/22
Parameter	Units			
Volatile Organic Compounds				
1,1,1-Trichloroethane	UG/L	1 U	1 U	500 U
1,1,2,2-Tetrachloroethane	UG/L	1 U	1 U	500 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5 U	5 U	2,500 U
1,1,2-Trichloroethane	UG/L	1 U	1 U	500 U
1,1-Dichloroethane	UG/L	1 U	1 U	500 U
1,1-Dichloroethene	UG/L	1 U	1 U	500 U
1,2,3-Trichlorobenzene	UG/L	1 U	1 U	500 U
1,2,4-Trichlorobenzene	UG/L	1 U	1 U	500 U
1,2-Dibromo-3-chloropropane	UG/L	2 U	2 U	1,000 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1 U	1 U	500 U
1,2-Dichlorobenzene	UG/L	1 U	1 U	500 U
1,2-Dichloroethane	UG/L	1 U	1 U	500 U
1,2-Dichloroethene (cis)	UG/L	1 U	1 U	8,160
1,2-Dichloroethene (trans)	UG/L	1 U	1 U	500 U
1,2-Dichloropropane	UG/L	1 U	1 U	500 U
1,3-Dichlorobenzene	UG/L	1 U	1 U	500 U
1,3-Dichloropropene (cis)	UG/L	1 U	1 U	500 U
1,3-Dichloropropene (trans)	UG/L	1 U	1 U	500 U
1,4-Dichlorobenzene	UG/L	1 U	1 U	500 U
2-Hexanone	UG/L	5 U	5 U	2,500 U
4-Methyl-2-pentanone	UG/L	5 U	5 U	2,500 U
Acetone	UG/L	10 U	10 U	5,000 U
Benzene	UG/L	0.5 U	0.5 U	250 U

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-85	TR3-MW-02	TR3-PW-01
Sample ID		MW-85	TR3-MW-02	TR3-PW-01
Matrix		Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-
Date Sampled		09/22/22	09/23/22	09/21/22
Parameter	Units			
Volatile Organic Compounds				
Bromochloromethane	UG/L	1 U	1 U	500 U
Bromodichloromethane	UG/L	1 U	1 U	500 U
Bromoform	UG/L	1 U	1 U	500 U
Bromomethane	UG/L	2 U	2 U	1,000 U
Carbon disulfide	UG/L	2 U	2 U	1,000 UJ
Carbon tetrachloride	UG/L	1 U	1 U	500 U
Chlorobenzene	UG/L	1 U	1 U	500 U
Chloroethane	UG/L	1 U	1 U	500 U
Chloroform	UG/L	1 U	1 U	500 U
Chloromethane	UG/L	1 U	1 UJ	500 U
Cyclohexane	UG/L	5 U	5 U	2,500 U
Dibromochloromethane	UG/L	1 U	1 U	500 U
Dichlorodifluoromethane	UG/L	2 U	2 UJ	1,000 U
Ethylbenzene	UG/L	1 U	1 U	500 U
Isopropylbenzene (Cumene)	UG/L	1 U	1 U	500 U
Methyl acetate	UG/L	5 U	5 U	2,500 U
Methyl ethyl ketone (2-Butanone)	UG/L	10 U	10 U	5,000 U
Methyl tert-butyl ether	UG/L	1 U	1 U	500 U
Methylcyclohexane	UG/L	5 U	5 U	2,500 U
Methylene chloride	UG/L	2 U	2 U	1,000 U
Styrene	UG/L	1 U	1 U	500 U
Tetrachloroethene	UG/L	1 U	1 U	500 U
Toluene	UG/L	1 U	1 U	500 U

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

**TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE**

Location ID		MW-85	TR3-MW-02	TR3-PW-01
Sample ID		MW-85	TR3-MW-02	TR3-PW-01
Matrix		Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-
Date Sampled		09/22/22	09/23/22	09/21/22
Parameter	Units			
Volatile Organic Compounds				
Trichloroethene	UG/L	1 U	1 U	83,000
Trichlorofluoromethane	UG/L	2 U	2 U	1,000 U
Vinyl chloride	UG/L	1 U	1 UJ	500 U
Xylene (total)	UG/L	1 U	1 U	500 U
Semivolatile Organic Compounds				
1,4-Dioxane	UG/L	NA	NA	NA
Polychlorinated Biphenyls				
Aroclor 1016	UG/L	NA	NA	NA
Aroclor 1221	UG/L	NA	NA	NA
Aroclor 1232	UG/L	NA	NA	NA
Aroclor 1242	UG/L	NA	NA	NA
Aroclor 1248	UG/L	NA	NA	NA
Aroclor 1254	UG/L	NA	NA	NA
Aroclor 1260	UG/L	NA	NA	NA
Aroclor 1262	UG/L	NA	NA	NA
Aroclor 1268	UG/L	NA	NA	NA
Dissolved Polychlorinated Biphenyls				
Aroclor 1016	UG/L	NA	NA	NA
Aroclor 1221	UG/L	NA	NA	NA
Aroclor 1232	UG/L	NA	NA	NA
Aroclor 1242	UG/L	NA	NA	NA
Aroclor 1248	UG/L	NA	NA	NA
Aroclor 1254	UG/L	NA	NA	NA

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-85	TR3-MW-02	TR3-PW-01
Sample ID		MW-85	TR3-MW-02	TR3-PW-01
Matrix		Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-
Date Sampled		09/22/22	09/23/22	09/21/22
Parameter	Units			
Dissolved Polychlorinated Biphenyls				
Aroclor 1260	UG/L	NA	NA	NA
Aroclor 1262	UG/L	NA	NA	NA
Aroclor 1268	UG/L	NA	NA	NA

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

TABLE 2
VALIDATED FIELD QC ANALYTICAL RESULTS
CARRIER SITE

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		EB-092122	TB-0920-2122	EB-092222	TB-092222	EB-092322
Matrix		Water Quality	Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/21/22	09/21/22	09/22/22	09/22/22	09/23/22
Parameter	Units	Equipment Blank (1-1)	Trip Blank (1-1)	Equipment Blank (1-1)	Trip Blank (1-1)	Equipment Blank (1-1)
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	UG/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	UG/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (cis)	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (trans)	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	UG/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene (cis)	UG/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene (trans)	UG/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
2-Hexanone	UG/L	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	UG/L	5 U	5 U	5 U	5 U	5 U
Acetone	UG/L	10 U	10 U	10 U	10 U	10 U
Benzene	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

TABLE 2
VALIDATED FIELD QC ANALYTICAL RESULTS
CARRIER SITE

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		EB-092122	TB-0920-2122	EB-092222	TB-092222	EB-092322
Matrix		Water Quality	Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/21/22	09/21/22	09/22/22	09/22/22	09/23/22
Parameter	Units	Equipment Blank (1-1)	Trip Blank (1-1)	Equipment Blank (1-1)	Trip Blank (1-1)	Equipment Blank (1-1)
Volatile Organic Compounds						
Bromochloromethane	UG/L	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	UG/L	1 U	1 U	1 U	1 U	1 U
Bromoform	UG/L	1 U	1 U	1 U	1 U	1 U
Bromomethane	UG/L	2 U	2 U	2 U	2 U	2 U
Carbon disulfide	UG/L	2 UJ	2 UJ	2 U	2 UJ	2 U
Carbon tetrachloride	UG/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	UG/L	1 U	1 U	1 U	1 U	1 U
Chloroethane	UG/L	1 U	1 U	1 U	1 U	1 U
Chloroform	UG/L	1 U	1.8	1 U	1.7	1 U
Chloromethane	UG/L	1 U	1 U	1 U	1 U	1 UJ
Cyclohexane	UG/L	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	UG/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	UG/L	2 U	2 U	2 U	2 U	2 UJ
Ethylbenzene	UG/L	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	UG/L	1 U	1 U	1 U	1 U	1 U
Methyl acetate	UG/L	5 U	5 U	5 U	5 U	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	UG/L	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane	UG/L	5 U	5 U	5 U	5 U	5 U
Methylene chloride	UG/L	2 U	2 U	2 U	2 U	2 U
Styrene	UG/L	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	UG/L	1 U	1 U	1 U	1 U	1 U
Toluene	UG/L	1 U	1 U	1 U	1 U	1 U

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

TABLE 2
VALIDATED FIELD QC ANALYTICAL RESULTS
CARRIER SITE

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		EB-092122	TB-0920-2122	EB-092222	TB-092222	EB-092322
Matrix		Water Quality	Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/21/22	09/21/22	09/22/22	09/22/22	09/23/22
Parameter	Units	Equipment Blank (1-1)	Trip Blank (1-1)	Equipment Blank (1-1)	Trip Blank (1-1)	Equipment Blank (1-1)
Volatile Organic Compounds						
Trichloroethene	UG/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	UG/L	2 U	2 U	2 U	2 U	2 U
Vinyl chloride	UG/L	1 U	1 U	1 U	1 U	1 UJ
Xylene (total)	UG/L	1 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
1,4-Dioxane	UG/L	1 U	NA	NA	NA	NA
Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	NA	0.4 U	NA	NA
Aroclor 1221	UG/L	NA	NA	0.4 U	NA	NA
Aroclor 1232	UG/L	NA	NA	0.4 U	NA	NA
Aroclor 1242	UG/L	NA	NA	0.4 U	NA	NA
Aroclor 1248	UG/L	NA	NA	0.4 U	NA	NA
Aroclor 1254	UG/L	NA	NA	0.4 U	NA	NA
Aroclor 1260	UG/L	NA	NA	0.4 U	NA	NA
Aroclor 1262	UG/L	NA	NA	0.4 U	NA	NA
Aroclor 1268	UG/L	NA	NA	0.4 U	NA	NA
Dissolved Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	NA	0.4 U	NA	NA
Aroclor 1221	UG/L	NA	NA	0.4 U	NA	NA
Aroclor 1232	UG/L	NA	NA	0.4 U	NA	NA
Aroclor 1242	UG/L	NA	NA	0.4 U	NA	NA
Aroclor 1248	UG/L	NA	NA	0.4 U	NA	NA
Aroclor 1254	UG/L	NA	NA	0.4 U	NA	NA

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

TABLE 2
VALIDATED FIELD QC ANALYTICAL RESULTS
CARRIER SITE

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		EB-092122	TB-0920-2122	EB-092222	TB-092222	EB-092322
Matrix		Water Quality	Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/21/22	09/21/22	09/22/22	09/22/22	09/23/22
Parameter	Units	Equipment Blank (1-1)	Trip Blank (1-1)	Equipment Blank (1-1)	Trip Blank (1-1)	Equipment Blank (1-1)
Dissolved Polychlorinated Biphenyls						
Aroclor 1260	UG/L	NA	NA	0.4 U	NA	NA
Aroclor 1262	UG/L	NA	NA	0.4 U	NA	NA
Aroclor 1268	UG/L	NA	NA	0.4 U	NA	NA

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

TABLE 2
VALIDATED FIELD QC ANALYTICAL RESULTS
CARRIER SITE

Location ID		FIELDQC
Sample ID		TB-092322
Matrix		Water Quality
Depth Interval (ft)		-
Date Sampled		09/23/22
Parameter	Units	Trip Blank (1-1)
Volatile Organic Compounds		
1,1,1-Trichloroethane	UG/L	1 U
1,1,2,2-Tetrachloroethane	UG/L	1 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5 U
1,1,2-Trichloroethane	UG/L	1 U
1,1-Dichloroethane	UG/L	1 U
1,1-Dichloroethene	UG/L	1 U
1,2,3-Trichlorobenzene	UG/L	1 U
1,2,4-Trichlorobenzene	UG/L	1 U
1,2-Dibromo-3-chloropropane	UG/L	2 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1 U
1,2-Dichlorobenzene	UG/L	1 U
1,2-Dichloroethane	UG/L	1 U
1,2-Dichloroethene (cis)	UG/L	1 U
1,2-Dichloroethene (trans)	UG/L	1 U
1,2-Dichloropropane	UG/L	1 U
1,3-Dichlorobenzene	UG/L	1 U
1,3-Dichloropropene (cis)	UG/L	1 U
1,3-Dichloropropene (trans)	UG/L	1 U
1,4-Dichlorobenzene	UG/L	1 U
2-Hexanone	UG/L	5 U
4-Methyl-2-pentanone	UG/L	5 U
Acetone	UG/L	10 U
Benzene	UG/L	0.5 U

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

TABLE 2
VALIDATED FIELD QC ANALYTICAL RESULTS
CARRIER SITE

Location ID		FIELDQC
Sample ID		TB-092322
Matrix		Water Quality
Depth Interval (ft)		-
Date Sampled		09/23/22
Parameter	Units	Trip Blank (1-1)
Volatile Organic Compounds		
Bromochloromethane	UG/L	1 U
Bromodichloromethane	UG/L	1 U
Bromoform	UG/L	1 U
Bromomethane	UG/L	2 U
Carbon disulfide	UG/L	2 U
Carbon tetrachloride	UG/L	1 U
Chlorobenzene	UG/L	1 U
Chloroethane	UG/L	1 U
Chloroform	UG/L	1.7
Chloromethane	UG/L	1 UJ
Cyclohexane	UG/L	5 U
Dibromochloromethane	UG/L	1 U
Dichlorodifluoromethane	UG/L	2 UJ
Ethylbenzene	UG/L	1 U
Isopropylbenzene (Cumene)	UG/L	1 U
Methyl acetate	UG/L	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	10 U
Methyl tert-butyl ether	UG/L	1 U
Methylcyclohexane	UG/L	5 U
Methylene chloride	UG/L	2 U
Styrene	UG/L	1 U
Tetrachloroethene	UG/L	1 U
Toluene	UG/L	1 U

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

TABLE 2
VALIDATED FIELD QC ANALYTICAL RESULTS
CARRIER SITE

Location ID		FIELDQC
Sample ID		TB-092322
Matrix		Water Quality
Depth Interval (ft)		-
Date Sampled		09/23/22
Parameter	Units	Trip Blank (1-1)
Volatile Organic Compounds		
Trichloroethene	UG/L	1 U
Trichlorofluoromethane	UG/L	2 U
Vinyl chloride	UG/L	1 UJ
Xylene (total)	UG/L	1 U
Semivolatile Organic Compounds		
1,4-Dioxane	UG/L	NA
Polychlorinated Biphenyls		
Aroclor 1016	UG/L	NA
Aroclor 1221	UG/L	NA
Aroclor 1232	UG/L	NA
Aroclor 1242	UG/L	NA
Aroclor 1248	UG/L	NA
Aroclor 1254	UG/L	NA
Aroclor 1260	UG/L	NA
Aroclor 1262	UG/L	NA
Aroclor 1268	UG/L	NA
Dissolved Polychlorinated Biphenyls		
Aroclor 1016	UG/L	NA
Aroclor 1221	UG/L	NA
Aroclor 1232	UG/L	NA
Aroclor 1242	UG/L	NA
Aroclor 1248	UG/L	NA
Aroclor 1254	UG/L	NA

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

TABLE 2
VALIDATED FIELD QC ANALYTICAL RESULTS
CARRIER SITE

Location ID		FIELDQC
Sample ID		TB-092322
Matrix		Water Quality
Depth Interval (ft)		-
Date Sampled		09/23/22
Parameter	Units	Trip Blank (1-1)
Dissolved Polychlorinated Biphenyls		
Aroclor 1260	UG/L	NA
Aroclor 1262	UG/L	NA
Aroclor 1268	UG/L	NA

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/1/22

CHECKED BY: PRF 11/1/22

Detection Limits shown are PQL

ATTACHMENT A

FORM 1s

JD52521

SGS North America Inc.

Report of Analysis

Page 1 of 2

Client Sample ID:	MW-38	Date Sampled:	09/22/22
Lab Sample ID:	JD52521-1	Date Received:	09/23/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1U48719.D	1	09/28/22 02:03	ED	n/a	n/a	V1U1980
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.2	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-38	Date Sampled: 09/22/22
Lab Sample ID: JD52521-1	Date Received: 09/23/22
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260D	
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY	

4.1
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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	13.1	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	7.4	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	114%		80-120%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	96%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	1.00	42	ug/l	J
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: MW-38	
Lab Sample ID: JD52521-1	Date Sampled: 09/22/22
Matrix: AQ - Ground Water	Date Received: 09/23/22
Method: SW846 8082A SW846 3510C	Percent Solids: n/a
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G222224.D	1	10/03/22 03:53	CP	09/30/22 10:45	OP42115	G2G5809
Run #2							

Run #	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	102%		10-174%
877-09-8	Tetrachloro-m-xylene	106%		10-174%
2051-24-3	Decachlorobiphenyl	72%		10-151%
2051-24-3	Decachlorobiphenyl	79%		10-151%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-38-F	Date Sampled:	09/22/22
Lab Sample ID:	JD52521-1F	Date Received:	09/23/22
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Method:	SW846 8082A SW846 3510C		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G222225.D	1	10/03/22 04:10	CP	09/30/22 10:45	OP42115	G2G5809
Run #2							

Run #	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	60%		10-174%
877-09-8	Tetrachloro-m-xylene	63%		10-174%
2051-24-3	Decachlorobiphenyl	46%		10-151%
2051-24-3	Decachlorobiphenyl	48%		10-151%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

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Client Sample ID:	MW-26	Date Sampled:	09/22/22
Lab Sample ID:	JD52521-2	Date Received:	09/23/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1U48720.D	1	09/28/22 02:24	ED	n/a	n/a	V1U1980
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-26		
Lab Sample ID: JD52521-2		Date Sampled: 09/22/22
Matrix: AQ - Ground Water		Date Received: 09/23/22
Method: SW846 8260D		Percent Solids: n/a
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	111%		80-120%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	1.00	42	ug/l	J
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: MW-26	Date Sampled: 09/22/22
Lab Sample ID: JD52521-2	Date Received: 09/23/22
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8082A SW846 3510C	
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G222226.D	1	10/03/22 04:26	CP	09/30/22 10:45	OP42115	G2G5809
Run #2							

Run #	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	95%		10-174%
877-09-8	Tetrachloro-m-xylene	96%		10-174%
2051-24-3	Decachlorobiphenyl	76%		10-151%
2051-24-3	Decachlorobiphenyl	80%		10-151%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: MW-26-F	
Lab Sample ID: JD52521-2F	Date Sampled: 09/22/22
Matrix: AQ - Groundwater Filtered	Date Received: 09/23/22
Method: SW846 8082A SW846 3510C	Percent Solids: n/a
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G222227.D	1	10/03/22 04:42	CP	09/30/22 10:45	OP42115	G2G5809
Run #2							

Run #	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		10-174%
877-09-8	Tetrachloro-m-xylene	81%		10-174%
2051-24-3	Decachlorobiphenyl	39%		10-151%
2051-24-3	Decachlorobiphenyl	40%		10-151%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
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 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:	MW-71	Date Sampled:	09/22/22
Lab Sample ID:	JD52521-3	Date Received:	09/23/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1U48721.D	1	09/28/22 02:45	ED	n/a	n/a	V1U1980
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	45.9	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	3.1	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-71		
Lab Sample ID: JD52521-3		Date Sampled: 09/22/22
Matrix: AQ - Ground Water		Date Received: 09/23/22
Method: SW846 8260D		Percent Solids: n/a
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	85.7	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	0.82	2.0	0.40	ug/l	J
75-01-4	Vinyl chloride	9.4	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	110%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	.99	44	ug/l	J
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound



SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-71	Date Sampled:	09/22/22
Lab Sample ID:	JD52521-3	Date Received:	09/23/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F209969.D	1	09/29/22 14:11	JY	09/28/22 09:00	OP42072	EF9258
Run #2							

Run #	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	3.2	1.0	0.67	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	79%		28-118%
321-60-8	2-Fluorobiphenyl	76%		34-116%
1718-51-0	Terphenyl-d14	83%		10-127%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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SGS North America Inc.

Report of Analysis

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Client Sample ID:	MW-17	Date Sampled:	09/22/22
Lab Sample ID:	JD52521-4	Date Received:	09/23/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1U48722.D	1	09/28/22 03:05	ED	n/a	n/a	V1U1980
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-17	
Lab Sample ID: JD52521-4	Date Sampled: 09/22/22
Matrix: AQ - Ground Water	Date Received: 09/23/22
Method: SW846 8260D	Percent Solids: n/a
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY	

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	115%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	99%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.00	32	ug/l	J
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-17	Date Sampled:	09/22/22
Lab Sample ID:	JD52521-4	Date Received:	09/23/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F209950.D	1	09/29/22 02:46	JY	09/28/22 09:00	OP42072	EF9257
Run #2							

Run #	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.67	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		28-118%
321-60-8	2-Fluorobiphenyl	69%		34-116%
1718-51-0	Terphenyl-d14	70%		10-127%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:	MW-85	Date Sampled:	09/22/22
Lab Sample ID:	JD52521-5	Date Received:	09/23/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1U48723.D	1	09/28/22 03:26	ED	n/a	n/a	V1U1980
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-85	Date Sampled: 09/22/22
Lab Sample ID: JD52521-5	Date Received: 09/23/22
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260D	
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY	

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	113%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	99%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	1.00	40	ug/l	J
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound



SGS North America Inc.

Report of Analysis

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Client Sample ID:	MW-10	Date Sampled:	09/22/22
Lab Sample ID:	JD52521-6	Date Received:	09/23/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1U48724.D	1	09/28/22 03:47	ED	n/a	n/a	V1U1980
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-10	Date Sampled: 09/22/22
Lab Sample ID: JD52521-6	Date Received: 09/23/22
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260D	
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY	

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	113%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	.99	26	ug/l	J
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: MW-10	Date Sampled: 09/22/22
Lab Sample ID: JD52521-6	Date Received: 09/23/22
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8270E SW846 3510C	
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F209951.D	1	09/29/22 03:11	JY	09/28/22 09:00	OP42072	EF9257
Run #2							

Run #	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.1	0.69	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%		28-118%
321-60-8	2-Fluorobiphenyl	67%		34-116%
1718-51-0	Terphenyl-d14	66%		10-127%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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SGS North America Inc.

Report of Analysis

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Client Sample ID:	MW-19	Date Sampled:	09/22/22
Lab Sample ID:	JD52521-7	Date Received:	09/23/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1U48725.D	1	09/28/22 04:08	ED	n/a	n/a	V1U1980
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-19		
Lab Sample ID: JD52521-7		Date Sampled: 09/22/22
Matrix: AQ - Ground Water		Date Received: 09/23/22
Method: SW846 8260D		Percent Solids: n/a
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	1.0	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	112%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.00	58	ug/l	J
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound



SGS North America Inc.

Report of Analysis

Client Sample ID: MW-19	Date Sampled: 09/22/22
Lab Sample ID: JD52521-7	Date Received: 09/23/22
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8082A SW846 3510C	
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G222228.D	1	10/03/22 04:59	CP	09/30/22 10:45	OP42115	G2G5809
Run #2							

Run #	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		10-174%
877-09-8	Tetrachloro-m-xylene	74%		10-174%
2051-24-3	Decachlorobiphenyl	79%		10-151%
2051-24-3	Decachlorobiphenyl	83%		10-151%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: MW-19-F	
Lab Sample ID: JD52521-7F	Date Sampled: 09/22/22
Matrix: AQ - Groundwater Filtered	Date Received: 09/23/22
Method: SW846 8082A SW846 3510C	Percent Solids: n/a
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G222233.D	1	10/03/22 06:21	CP	09/30/22 10:45	OP42115	G2G5809
Run #2							

Run #	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	64%		10-174%
877-09-8	Tetrachloro-m-xylene	64%		10-174%
2051-24-3	Decachlorobiphenyl	44%		10-151%
2051-24-3	Decachlorobiphenyl	51%		10-151%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	FD-092222	Date Sampled:	09/22/22
Lab Sample ID:	JD52521-8	Date Received:	09/23/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8082A SW846 3510C		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G222234.D	1	10/03/22 06:37	CP	09/30/22 10:45	OP42115	G2G5809
Run #2							

Run #	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		10-174%
877-09-8	Tetrachloro-m-xylene	84%		10-174%
2051-24-3	Decachlorobiphenyl	85%		10-151%
2051-24-3	Decachlorobiphenyl	92%		10-151%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	FD-092222-F	Date Sampled:	09/22/22
Lab Sample ID:	JD52521-8F	Date Received:	09/23/22
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Method:	SW846 8082A SW846 3510C		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G22235.D	1	10/03/22 06:53	CP	09/30/22 10:45	OP42115	G2G5809
Run #2							

Run #	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	64%		10-174%
877-09-8	Tetrachloro-m-xylene	66%		10-174%
2051-24-3	Decachlorobiphenyl	62%		10-151%
2051-24-3	Decachlorobiphenyl	68%		10-151%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-23	Date Sampled:	09/22/22
Lab Sample ID:	JD52521-9	Date Received:	09/23/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1U48726.D	1	09/28/22 04:29	ED	n/a	n/a	V1U1980
Run #2	2V93101.D	10	10/01/22 14:26	KM	n/a	n/a	V2V3780
Run #3	2V93100.D	100	10/01/22 14:03	KM	n/a	n/a	V2V3780

Run #	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml
Run #3	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	3.2	10	3.1	ug/l	J
71-43-2	Benzene	1.0	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	6.4 J	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	173 a	10	5.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	20.8	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	2150 b	100	51	ug/l	
156-60-5	trans-1,2-Dichloroethene	11.1	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	13.6	1.0	0.60	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.13
4

Report of Analysis

Client Sample ID: MW-23	Date Sampled: 09/22/22
Lab Sample ID: JD52521-9	Date Received: 09/23/22
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260D	
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY	

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4

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	1.8	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	8.7	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	5.5	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	56.7	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	236 ^a	10	5.3	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	167 ^J	1.0	0.52	ug/l	
	m,p-Xylene	2.3	1.0	0.78	ug/l	
95-47-6	o-Xylene	0.93	1.0	0.59	ug/l	J
1330-20-7	Xylene (total)	3.2	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	97%	99%	100%	80-120%
17060-07-0	1,2-Dichloroethane-D4	102%	94%	93%	80-120%
2037-26-5	Toluene-D8	99%	103%	103%	80-120%
460-00-4	4-Bromofluorobenzene	97%	95%	93%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.00	68	ug/l	J
	Total TIC, Volatile		0	ug/l	

- (a) Result is from Run# 2
- (b) Result is from Run# 3

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: MW-23		
Lab Sample ID: JD52521-9		Date Sampled: 09/22/22
Matrix: AQ - Ground Water		Date Received: 09/23/22
Method: SW846 8082A SW846 3510C		Percent Solids: n/a
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G22236.D	1	10/03/22 07:10	CP	09/30/22 10:45	OP42115	G2G5809
Run #2							

Run #	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	39%		10-174%
877-09-8	Tetrachloro-m-xylene	49%		10-174%
2051-24-3	Decachlorobiphenyl	34%		10-151%
2051-24-3	Decachlorobiphenyl	35%		10-151%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-23-F	Date Sampled:	09/22/22
Lab Sample ID:	JD52521-9F	Date Received:	09/23/22
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Method:	SW846 8082A SW846 3510C		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G22237.D	1	10/03/22 07:26	CP	09/30/22 10:45	OP42115	G2G5809
Run #2							

Run #	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	25%		10-174%
877-09-8	Tetrachloro-m-xylene	28%		10-174%
2051-24-3	Decachlorobiphenyl	33%		10-151%
2051-24-3	Decachlorobiphenyl	36%		10-151%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 2

Client Sample ID:	MW-50	Date Sampled:	09/22/22
Lab Sample ID:	JD52521-10	Date Received:	09/23/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V93098.D	1	10/01/22 13:19	KM	n/a	n/a	V2V3780
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide ^b	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-50		
Lab Sample ID: JD52521-10		Date Sampled: 09/22/22
Matrix: AQ - Ground Water		Date Received: 09/23/22
Method: SW846 8260D		Percent Solids: n/a
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^a	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride ^c	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	94%		80-120%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	1.19	43	ug/l	J
420-56-4	Trimethylsilyl fluoride	1.55	9.9	ug/l	JN
	Total TIC, Volatile		9.9	ug/l	J

- (a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- (b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- (c) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

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Client Sample ID:	MW-44	Date Sampled:	09/22/22
Lab Sample ID:	JD52521-11	Date Received:	09/23/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1U48728.D	1	09/28/22 05:10	ED	n/a	n/a	V1U1980
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-44	Date Sampled: 09/22/22
Lab Sample ID: JD52521-11	Date Received: 09/23/22
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260D	
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY	

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	1.0	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	4.7	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-120%
17060-07-0	1,2-Dichloroethane-D4	112%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	96%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	.99	51	ug/l	J
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: MW-44		
Lab Sample ID: JD52521-11		Date Sampled: 09/22/22
Matrix: AQ - Ground Water		Date Received: 09/23/22
Method: SW846 8082A SW846 3510C		Percent Solids: n/a
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G22238.D	1	10/03/22 07:42	CP	09/30/22 10:45	OP42115	G2G5809
Run #2							

Run #	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	61%		10-174%
877-09-8	Tetrachloro-m-xylene	64%		10-174%
2051-24-3	Decachlorobiphenyl	60%		10-151%
2051-24-3	Decachlorobiphenyl	62%		10-151%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-44-F	Date Sampled:	09/22/22
Lab Sample ID:	JD52521-11F	Date Received:	09/23/22
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Method:	SW846 8082A SW846 3510C		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G22239.D	1	10/03/22 07:59	CP	09/30/22 10:45	OP42115	G2G5809
Run #2							

Run #	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		10-174%
877-09-8	Tetrachloro-m-xylene	73%		10-174%
2051-24-3	Decachlorobiphenyl	84%		10-151%
2051-24-3	Decachlorobiphenyl	88%		10-151%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

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Client Sample ID:	MW-57	Date Sampled:	09/22/22
Lab Sample ID:	JD52521-12	Date Received:	09/23/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1U48712.D	1	09/27/22 23:37	ED	n/a	n/a	V1U1980
Run #2	1U48715.D	10	09/28/22 00:39	ED	n/a	n/a	V1U1980

Run #	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	1.6	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	387 ^a D	10	5.1	ug/l	
156-60-5	trans-1,2-Dichloroethene	1.6	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-57		
Lab Sample ID: JD52521-12		Date Sampled: 09/22/22
Matrix: AQ - Ground Water		Date Received: 09/23/22
Method: SW846 8260D		Percent Solids: n/a
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	0.59	1.0	0.53	ug/l	J
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	546 ^a D	10	5.2	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	100%	80-120%
17060-07-0	1,2-Dichloroethane-D4	112%	112%	80-120%
2037-26-5	Toluene-D8	100%	101%	80-120%
460-00-4	4-Bromofluorobenzene	98%	100%	82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	.99	36	ug/l	J
	system artifact	1.35	5.6	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-18	Date Sampled:	09/22/22
Lab Sample ID:	JD52521-13	Date Received:	09/23/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	1U48729.D	20	09/28/22 05:31	ED	n/a	n/a	V1U1980
Run #2	2V93097.D	50	10/01/22 12:54	KM	n/a	n/a	V2V3780

Run #	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	200	61	ug/l	
71-43-2	Benzene	ND	10	8.5	ug/l	
74-97-5	Bromochloromethane	ND	20	9.6	ug/l	
75-27-4	Bromodichloromethane	ND	20	9.0	ug/l	
75-25-2	Bromoform	ND	20	13	ug/l	
74-83-9	Bromomethane	ND	40	33	ug/l	
78-93-3	2-Butanone (MEK)	ND	200	55	ug/l	
75-15-0	Carbon disulfide	ND UJ	40	9.1	ug/l	
56-23-5	Carbon tetrachloride	ND	20	11	ug/l	
108-90-7	Chlorobenzene	ND	20	11	ug/l	
75-00-3	Chloroethane	ND	20	15	ug/l	
67-66-3	Chloroform	ND	20	10	ug/l	
74-87-3	Chloromethane	ND	20	15	ug/l	
110-82-7	Cyclohexane	ND	100	16	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	40	11	ug/l	
124-48-1	Dibromochloromethane	ND	20	11	ug/l	
106-93-4	1,2-Dibromoethane	ND	20	9.5	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	20	11	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	20	11	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	20	10	ug/l	
75-71-8	Dichlorodifluoromethane	ND	40	11	ug/l	
75-34-3	1,1-Dichloroethane	20.7	20	11	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	12	ug/l	
75-35-4	1,1-Dichloroethene	19.6	20	12	ug/l	J
156-59-2	cis-1,2-Dichloroethene	4350 ^b	50	25	ug/l	
156-60-5	trans-1,2-Dichloroethene	51.3	20	11	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	9.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	8.6	ug/l	
100-41-4	Ethylbenzene	ND	20	12	ug/l	
76-13-1	Freon 113	ND	100	12	ug/l	
591-78-6	2-Hexanone	ND	100	41	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID: MW-18		Date Sampled: 09/22/22
Lab Sample ID: JD52521-13		Date Received: 09/23/22
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260D		
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	20	13	ug/l	
79-20-9	Methyl Acetate	ND	100	16	ug/l	
108-87-2	Methylcyclohexane	16.2	100	12	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	20	10	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	37	ug/l	
75-09-2	Methylene chloride	ND	40	20	ug/l	
100-42-5	Styrene	ND	20	9.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	13	ug/l	
127-18-4	Tetrachloroethene	ND	20	11	ug/l	
108-88-3	Toluene	ND	20	9.8	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	20	10	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	20	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	11	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	11	ug/l	
79-01-6	Trichloroethene	432	20	11	ug/l	
75-69-4	Trichlorofluoromethane	ND	40	8.0	ug/l	
75-01-4	Vinyl chloride	996 J	20	10	ug/l	
	m,p-Xylene	ND	20	16	ug/l	
95-47-6	o-Xylene	ND	20	12	ug/l	
1330-20-7	Xylene (total)	ND	20	12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	97%	80-120%
17060-07-0	1,2-Dichloroethane-D4	111%	93%	80-120%
2037-26-5	Toluene-D8	101%	104%	80-120%
460-00-4	4-Bromofluorobenzene	96%	92%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.00	110	ug/l	J
	Total TIC, Volatile		0	ug/l	

- (a) Dilution required due to high concentration of target compound.
- (b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

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Client Sample ID:	EB-092222	Date Sampled:	09/22/22
Lab Sample ID:	JD52521-14	Date Received:	09/23/22
Matrix:	AQ - Equipment Blank	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1U48717.D	1	09/28/22 01:21	ED	n/a	n/a	V1U1980
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: EB-092222	
Lab Sample ID: JD52521-14	Date Sampled: 09/22/22
Matrix: AQ - Equipment Blank	Date Received: 09/23/22
Method: SW846 8260D	Percent Solids: n/a
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY	

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	112%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.00	11	ug/l	J
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound



SGS North America Inc.

Report of Analysis

Client Sample ID:	EB-092222	Date Sampled:	09/22/22
Lab Sample ID:	JD52521-14	Date Received:	09/23/22
Matrix:	AQ - Equipment Blank	Percent Solids:	n/a
Method:	SW846 8082A SW846 3510C		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G222244.D	1	10/03/22 10:36	CL	09/30/22 10:45	OP42115	G2G5810
Run #2							

Run #	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		10-174%
877-09-8	Tetrachloro-m-xylene	67%		10-174%
2051-24-3	Decachlorobiphenyl	49%		10-151%
2051-24-3	Decachlorobiphenyl	51%		10-151%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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SGS North America Inc.

Report of Analysis

Client Sample ID: EB-092222-F	Date Sampled: 09/22/22
Lab Sample ID: JD52521-14F	Date Received: 09/23/22
Matrix: AQ - Equip Blank Filtered	Percent Solids: n/a
Method: SW846 8082A SW846 3510C	
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G222245.D	1	10/03/22 10:53	CL	09/30/22 10:45	OP42115	G2G5810
Run #2							

Run #	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	66%		10-174%
877-09-8	Tetrachloro-m-xylene	66%		10-174%
2051-24-3	Decachlorobiphenyl	69%		10-151%
2051-24-3	Decachlorobiphenyl	73%		10-151%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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SGS North America Inc.

Report of Analysis

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Client Sample ID:	TB-092222	Date Sampled:	09/22/22
Lab Sample ID:	JD52521-15	Date Received:	09/23/22
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V93095.D	1	10/01/22 12:07	KM	n/a	n/a	V2V3780
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide ^b	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	1.7	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TB-092222	
Lab Sample ID: JD52521-15	Date Sampled: 09/22/22
Matrix: AQ - Trip Blank Water	Date Received: 09/23/22
Method: SW846 8260D	Percent Solids: n/a
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY	

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^a	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride ^c	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	95%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	92%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

- (a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- (b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- (c) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

JD52528

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-03S	Date Sampled:	09/20/22
Lab Sample ID:	JD52528-1	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L347684.D	1	09/30/22 16:27	NH	n/a	n/a	VL10514
Run #2	L347679.D	20	09/30/22 14:31	NH	n/a	n/a	VL10514

Run #	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	0.55	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND UJ	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide ^a	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	20.1	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	4.7	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	623 ^b D	20	10	ug/l	
156-60-5	trans-1,2-Dichloroethene	2.0	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-03S	Date Sampled: 09/20/22
Lab Sample ID: JD52528-1	Date Received: 09/21/22
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260D	
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY	

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	1.6	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	28.2	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%	92%	80-120%
17060-07-0	1,2-Dichloroethane-D4	89%	90%	80-120%
2037-26-5	Toluene-D8	101%	96%	80-120%
460-00-4	4-Bromofluorobenzene	88%	88%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.52	45	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: MW-03S	
Lab Sample ID: JD52528-1	Date Sampled: 09/20/22
Matrix: AQ - Ground Water	Date Received: 09/21/22
Method: SW846 8270E SW846 3510C	Percent Solids: n/a
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F209918.D	1	09/28/22 05:33	CS	09/27/22 08:45	OP42043	EF9255
Run #2							

Run #	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	1.7	1.1	0.73	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		28-118%
321-60-8	2-Fluorobiphenyl	75%		34-116%
1718-51-0	Terphenyl-d14	67%		10-127%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:	FD-092022	Date Sampled:	09/20/22
Lab Sample ID:	JD52528-2	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L347685.D	1	09/30/22 16:51	NH	n/a	n/a	VL10514
Run #2	L347683.D	20	09/30/22 16:04	NH	n/a	n/a	VL10514

Run #	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	0.45	0.50	0.43	ug/l	J
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND UJ	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide ^a	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	20.1	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	4.9	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	618 ^b D	20	10	ug/l	
156-60-5	trans-1,2-Dichloroethene	1.6	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	FD-092022	Date Sampled:	09/20/22
Lab Sample ID:	JD52528-2	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	1.6	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	30.1	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%	91%	80-120%
17060-07-0	1,2-Dichloroethane-D4	90%	91%	80-120%
2037-26-5	Toluene-D8	98%	99%	80-120%
460-00-4	4-Bromofluorobenzene	89%	88%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.52	45	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

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Client Sample ID:	FD-092022	Date Sampled:	09/20/22
Lab Sample ID:	JD52528-2	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F209917.D	1	09/28/22 05:08	CS	09/27/22 08:45	OP42043	EF9255
Run #2							

Run #	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	0.97	1.1	0.73	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	72%		28-118%
321-60-8	2-Fluorobiphenyl	70%		34-116%
1718-51-0	Terphenyl-d14	54%		10-127%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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SGS North America Inc.

Report of Analysis

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Client Sample ID:	MW-03D	Date Sampled:	09/20/22
Lab Sample ID:	JD52528-3	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V92945.D	1	09/28/22 23:48	KM	n/a	n/a	V2V3775
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide ^b	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	8.9	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-03D		Date Sampled: 09/20/22
Lab Sample ID: JD52528-3		Date Received: 09/21/22
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260D		
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^c	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	1.5	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	95%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	94%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.19	24	ug/l	J
	Total TIC, Volatile		0	ug/l	

- (a) Associated CCV outside of control limits high, sample was ND.
- (b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- (c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-03D	Date Sampled:	09/20/22
Lab Sample ID:	JD52528-3	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F209916.D	1	09/28/22 04:42	CS	09/27/22 08:45	OP42043	EF9255
Run #2							

Run #	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.1	0.69	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		28-118%
321-60-8	2-Fluorobiphenyl	80%		34-116%
1718-51-0	Terphenyl-d14	67%		10-127%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:	MW-69	Date Sampled:	09/20/22
Lab Sample ID:	JD52528-4	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	2V92954.D	10	09/29/22 03:18	KM	n/a	n/a	V2V3775
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	31	ug/l	
71-43-2	Benzene	ND	5.0	4.3	ug/l	
74-97-5	Bromochloromethane	ND	10	4.8	ug/l	
75-27-4	Bromodichloromethane	ND	10	4.5	ug/l	
75-25-2	Bromoform	ND	10	6.3	ug/l	
74-83-9	Bromomethane ^b	ND	20	16	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	27	ug/l	
75-15-0	Carbon disulfide ^c	ND UJ	20	4.6	ug/l	
56-23-5	Carbon tetrachloride	ND	10	5.5	ug/l	
108-90-7	Chlorobenzene	ND	10	5.6	ug/l	
75-00-3	Chloroethane ^b	ND	10	7.3	ug/l	
67-66-3	Chloroform	ND	10	5.0	ug/l	
74-87-3	Chloromethane	ND	10	7.6	ug/l	
110-82-7	Cyclohexane	ND	50	7.8	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	5.3	ug/l	
124-48-1	Dibromochloromethane	ND	10	5.6	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	4.8	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	5.3	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	5.4	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	5.1	ug/l	
75-71-8	Dichlorodifluoromethane	ND	20	5.6	ug/l	
75-34-3	1,1-Dichloroethane	54.9	10	5.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	6.0	ug/l	
75-35-4	1,1-Dichloroethene	7.9	10	5.9	ug/l	J
156-59-2	cis-1,2-Dichloroethene	259	10	5.1	ug/l	
156-60-5	trans-1,2-Dichloroethene	14.5	10	5.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	5.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	4.7	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	4.3	ug/l	
100-41-4	Ethylbenzene	ND	10	6.0	ug/l	
76-13-1	Freon 113	ND	50	5.8	ug/l	
591-78-6	2-Hexanone	ND	50	20	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-69		
Lab Sample ID: JD52528-4		Date Sampled: 09/20/22
Matrix: AQ - Ground Water		Date Received: 09/21/22
Method: SW846 8260D		Percent Solids: n/a
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	10	6.5	ug/l	
79-20-9	Methyl Acetate	ND	50	8.0	ug/l	
108-87-2	Methylcyclohexane	ND	50	6.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.1	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	19	ug/l	
75-09-2	Methylene chloride	ND	20	10	ug/l	
100-42-5	Styrene	ND	10	4.9	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	6.5	ug/l	
127-18-4	Tetrachloroethene	ND	10	5.6	ug/l	
108-88-3	Toluene	ND	10	4.9	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	10	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.3	ug/l	
79-01-6	Trichloroethene	1660	10	5.3	ug/l	
75-69-4	Trichlorofluoromethane ^d	ND	20	4.0	ug/l	
75-01-4	Vinyl chloride	27.2	10	5.2	ug/l	
	m,p-Xylene	ND	10	7.8	ug/l	
95-47-6	o-Xylene	ND	10	5.9	ug/l	
1330-20-7	Xylene (total)	ND	10	5.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	93%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	1.18	65	ug/l	J
	Total TIC, Volatile		0	ug/l	

- (a) Dilution required due to high concentration of target compound.
- (b) Associated CCV outside of control limits high, sample was ND.
- (c) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- (d) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

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Client Sample ID:	MW-09	Date Sampled:	09/20/22
Lab Sample ID:	JD52528-5	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V92955.D	1	09/29/22 03:41	KM	n/a	n/a	V2V3775
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide ^b	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	0.85	1.0	0.57	ug/l	J
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.2	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-09		
Lab Sample ID: JD52528-5		Date Sampled: 09/20/22
Matrix: AQ - Ground Water		Date Received: 09/21/22
Method: SW846 8260D		Percent Solids: n/a
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.93	1.0	0.54	ug/l	J
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	2.9	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^c	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	94%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.19	35	ug/l	J
	Total TIC, Volatile		0	ug/l	

- (a) Associated CCV outside of control limits high, sample was ND.
- (b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- (c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
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 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

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Client Sample ID:	MW-75	Date Sampled:	09/21/22
Lab Sample ID:	JD52528-6	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V92956.D	1	09/29/22 04:04	KM	n/a	n/a	V2V3775
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	3.4	10	3.1	ug/l	J
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide ^b	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-75	Date Sampled:	09/21/22
Lab Sample ID:	JD52528-6	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^c	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	94%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.19	74	ug/l	J
	Total TIC, Volatile		0	ug/l	

- (a) Associated CCV outside of control limits high, sample was ND.
- (b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- (c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

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Client Sample ID:	MW-84	Date Sampled:	09/21/22
Lab Sample ID:	JD52528-7	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V92957.D	1	09/29/22 04:27	KM	n/a	n/a	V2V3775
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide ^b	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-84		
Lab Sample ID: JD52528-7		Date Sampled: 09/21/22
Matrix: AQ - Ground Water		Date Received: 09/21/22
Method: SW846 8260D		Percent Solids: n/a
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	3.4	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^c	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	95%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.19	42	ug/l	J
	Total TIC, Volatile		0	ug/l	

- (a) Associated CCV outside of control limits high, sample was ND.
- (b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- (c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

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Client Sample ID:	DP-MW-04	Date Sampled:	09/21/22
Lab Sample ID:	JD52528-8	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V92958.D	1	09/29/22 04:51	KM	n/a	n/a	V2V3775
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	3.1	10	3.1	ug/l	J
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide ^b	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP-MW-04	Date Sampled:	09/21/22
Lab Sample ID:	JD52528-8	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^c	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-120%
17060-07-0	1,2-Dichloroethane-D4	94%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.19	80	ug/l	J
	Total TIC, Volatile		0	ug/l	

- (a) Associated CCV outside of control limits high, sample was ND.
- (b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- (c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
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SGS North America Inc.

Report of Analysis

Client Sample ID:	DP-MW-04	Date Sampled:	09/21/22
Lab Sample ID:	JD52528-8	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F209943.D	1	09/28/22 23:52	JY	09/28/22 09:00	OP42119	EF9257
Run #2							

Run #	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.1	0.73	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		28-118%
321-60-8	2-Fluorobiphenyl	75%		34-116%
1718-51-0	Terphenyl-d14	81%		10-127%

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Report of Analysis

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Client Sample ID:	MW-76	Date Sampled:	09/21/22
Lab Sample ID:	JD52528-9	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V92959.D	1	09/29/22 05:14	KM	n/a	n/a	V2V3775
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide ^b	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

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E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-76	Date Sampled:	09/21/22
Lab Sample ID:	JD52528-9	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^c	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	98%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	1.20	58	ug/l	J
	Total TIC, Volatile		0	ug/l	

- (a) Associated CCV outside of control limits high, sample was ND.
- (b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- (c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

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SGS North America Inc.

Report of Analysis

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Client Sample ID:	MW-77	Date Sampled:	09/21/22
Lab Sample ID:	JD52528-10	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V92960.D	1	09/29/22 05:37	KM	n/a	n/a	V2V3775
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide ^b	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

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Report of Analysis

Client Sample ID:	MW-77	Date Sampled:	09/21/22
Lab Sample ID:	JD52528-10	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^c	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	94%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	1.19	70	ug/l	J
	Total TIC, Volatile		0	ug/l	

- (a) Associated CCV outside of control limits high, sample was ND.
- (b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
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SGS North America Inc.

Report of Analysis

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Client Sample ID:	FD-092122	Date Sampled:	09/21/22
Lab Sample ID:	JD52528-11	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V92961.D	1	09/29/22 06:00	KM	n/a	n/a	V2V3775
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide ^b	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: FD-092122	Date Sampled: 09/21/22
Lab Sample ID: JD52528-11	Date Received: 09/21/22
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260D	
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY	

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^c	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	94%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.19	70	ug/l	J
	Total TIC, Volatile		0	ug/l	

- (a) Associated CCV outside of control limits high, sample was ND.
- (b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- (c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound



SGS North America Inc.

Report of Analysis

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Client Sample ID:	AR-MW-02	Date Sampled:	09/21/22
Lab Sample ID:	JD52528-12	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V92962.D	1	09/29/22 06:24	KM	n/a	n/a	V2V3775
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide ^b	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: AR-MW-02	Date Sampled: 09/21/22
Lab Sample ID: JD52528-12	Date Received: 09/21/22
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260D	
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY	

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^c	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	98%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	92%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.19	55	ug/l	J
	Total TIC, Volatile		0	ug/l	

- (a) Associated CCV outside of control limits high, sample was ND.
- (b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- (c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
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 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	AR-MW-02	Date Sampled:	09/21/22
Lab Sample ID:	JD52528-12	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F209944.D	1	09/29/22 00:17	JY	09/28/22 09:00	OP42119	EF9257
Run #2							

Run #	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.1	0.73	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		28-118%
321-60-8	2-Fluorobiphenyl	76%		34-116%
1718-51-0	Terphenyl-d14	85%		10-127%

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 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:	AR-MW-06	Date Sampled:	09/21/22
Lab Sample ID:	JD52528-13	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V92963.D	1	09/29/22 06:47	KM	n/a	n/a	V2V3775
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide ^b	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	22.6	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

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Client Sample ID:	MW-21	Date Sampled:	09/21/22
Lab Sample ID:	JD52528-14	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V92964.D	1	09/29/22 07:10	KM	n/a	n/a	V2V3775
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.1	10	3.1	ug/l	J
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide ^b	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	2.5	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

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SGS North America Inc.

Report of Analysis

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Client Sample ID:	MW-70	Date Sampled:	09/21/22
Lab Sample ID:	JD52528-15	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V92965.D	1	09/29/22 07:34	KM	n/a	n/a	V2V3775
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide ^b	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-70	Date Sampled: 09/21/22
Lab Sample ID: JD52528-15	Date Received: 09/21/22
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260D	
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY	

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^c	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	94%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.19	45	ug/l	J
	Total TIC, Volatile		0	ug/l	

- (a) Associated CCV outside of control limits high, sample was ND.
- (b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- (c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-70	Date Sampled:	09/21/22
Lab Sample ID:	JD52528-15	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	P151800.D	1	10/07/22 15:59	JY	10/06/22 14:40	OP42253	EP7031
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	1.5	1.0	0.66	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	62%		28-118%
321-60-8	2-Fluorobiphenyl	60%		34-116%
1718-51-0	Terphenyl-d14	40%		10-127%

(a) Sample extracted outside the holding time.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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SGS North America Inc.

Report of Analysis

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Client Sample ID:	MW-48	Date Sampled:	09/21/22
Lab Sample ID:	JD52528-16	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V92966.D	1	09/29/22 07:57	KM	n/a	n/a	V2V3775
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide ^b	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	1.9	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	39.7	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	2.4	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-48		Date Sampled: 09/21/22
Lab Sample ID: JD52528-16		Date Received: 09/21/22
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260D		
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	84.7	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^c	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	1.0	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	95%		80-120%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	92%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.19	62	ug/l	J
	Total TIC, Volatile		0	ug/l	

- (a) Associated CCV outside of control limits high, sample was ND.
- (b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- (c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

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Client Sample ID:	TR3-PW-01	Date Sampled:	09/21/22
Lab Sample ID:	JD52528-17	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	2V92968.D	500	09/29/22 08:44	KM	n/a	n/a	V2V3775
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5000	1500	ug/l	
71-43-2	Benzene	ND	250	210	ug/l	
74-97-5	Bromochloromethane	ND	500	240	ug/l	
75-27-4	Bromodichloromethane	ND	500	230	ug/l	
75-25-2	Bromoform	ND	500	320	ug/l	
74-83-9	Bromomethane ^b	ND	1000	820	ug/l	
78-93-3	2-Butanone (MEK)	ND	5000	1400	ug/l	
75-15-0	Carbon disulfide ^c	ND UJ	1000	230	ug/l	
56-23-5	Carbon tetrachloride	ND	500	280	ug/l	
108-90-7	Chlorobenzene	ND	500	280	ug/l	
75-00-3	Chloroethane ^b	ND	500	360	ug/l	
67-66-3	Chloroform	ND	500	250	ug/l	
74-87-3	Chloromethane	ND	500	380	ug/l	
110-82-7	Cyclohexane	ND	2500	390	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1000	260	ug/l	
124-48-1	Dibromochloromethane	ND	500	280	ug/l	
106-93-4	1,2-Dibromoethane	ND	500	240	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	500	270	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	500	270	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	500	250	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1000	280	ug/l	
75-34-3	1,1-Dichloroethane	ND	500	280	ug/l	
107-06-2	1,2-Dichloroethane	ND	500	300	ug/l	
75-35-4	1,1-Dichloroethene	ND	500	300	ug/l	
156-59-2	cis-1,2-Dichloroethene	8160	500	250	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	500	270	ug/l	
78-87-5	1,2-Dichloropropane	ND	500	250	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	500	240	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	500	220	ug/l	
100-41-4	Ethylbenzene	ND	500	300	ug/l	
76-13-1	Freon 113	ND	2500	290	ug/l	
591-78-6	2-Hexanone	ND	2500	1000	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TR3-PW-01	Date Sampled:	09/21/22
Lab Sample ID:	JD52528-17	Date Received:	09/21/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	500	320	ug/l	
79-20-9	Methyl Acetate	ND	2500	400	ug/l	
108-87-2	Methylcyclohexane	ND	2500	300	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	500	250	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2500	930	ug/l	
75-09-2	Methylene chloride	ND	1000	500	ug/l	
100-42-5	Styrene	ND	500	240	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	330	ug/l	
127-18-4	Tetrachloroethene	ND	500	280	ug/l	
108-88-3	Toluene	ND	500	250	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	500	250	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	500	250	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	500	270	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	500	270	ug/l	
79-01-6	Trichloroethene	83000	500	260	ug/l	
75-69-4	Trichlorofluoromethane ^d	ND	1000	200	ug/l	
75-01-4	Vinyl chloride	ND	500	260	ug/l	
	m,p-Xylene	ND	500	390	ug/l	
95-47-6	o-Xylene	ND	500	300	ug/l	
1330-20-7	Xylene (total)	ND	500	300	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	96%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	92%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	1.18	3100	ug/l	J
	Total TIC, Volatile		0	ug/l	

- (a) Dilution required due to high concentration of target compound.
- (b) Associated CCV outside of control limits high, sample was ND.
- (c) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- (d) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

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Client Sample ID:	EB-092122	Date Sampled:	09/21/22
Lab Sample ID:	JD52528-18	Date Received:	09/21/22
Matrix:	AQ - Equipment Blank	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V92950.D	1	09/29/22 01:44	KM	n/a	n/a	V2V3775
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide ^b	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: EB-092122		
Lab Sample ID: JD52528-18		Date Sampled: 09/21/22
Matrix: AQ - Equipment Blank		Date Received: 09/21/22
Method: SW846 8260D		Percent Solids: n/a
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^c	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	94%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	1.18	7.3	ug/l	J
	system artifact	1.19	7.5	ug/l	J
	Total TIC, Volatile		0	ug/l	

- (a) Associated CCV outside of control limits high, sample was ND.
- (b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- (c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	EB-092122	Date Sampled:	09/21/22
Lab Sample ID:	JD52528-18	Date Received:	09/21/22
Matrix:	AQ - Equipment Blank	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F209946.D	1	09/29/22 01:06	JY	09/28/22 09:00	OP42119	EF9257
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		28-118%
321-60-8	2-Fluorobiphenyl	74%		34-116%
1718-51-0	Terphenyl-d14	66%		10-127%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:	TB-0920-2122	Date Sampled:	09/21/22
Lab Sample ID:	JD52528-19	Date Received:	09/21/22
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V92951.D	1	09/29/22 02:08	KM	n/a	n/a	V2V3775
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide ^b	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	1.8	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

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N = Indicates presumptive evidence of a compound

JD52537

SGS North America Inc.

Report of Analysis

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Client Sample ID:	MW-45	Date Sampled:	09/23/22
Lab Sample ID:	JD52537-1	Date Received:	09/26/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	2V92987.D	1	09/29/22 16:35	KM	n/a	n/a	V2V3776
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide ^b	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane ^b	ND UJ	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane ^b	ND UJ	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	17.2	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	3.2	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

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Client Sample ID:	MW-14	Date Sampled:	09/23/22
Lab Sample ID:	JD52537-2	Date Received:	09/26/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A220351.D	1	09/28/22 14:11	NH	n/a	n/a	V2A9579
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane ^a	ND UJ	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND UJ	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-14	Date Sampled: 09/23/22
Lab Sample ID: JD52537-2	Date Received: 09/26/22
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260D	
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY	

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride ^a	ND UJ	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	87%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	108%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	3.55	100	ug/l	J
	system artifact	3.62	100	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: MW-14	Date Sampled: 09/23/22
Lab Sample ID: JD52537-2	Date Received: 09/26/22
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8270E SW846 3510C	
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F209947.D	1	09/29/22 01:31	JY	09/28/22 09:00	OP42119	EF9257
Run #2							

Run #	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.1	0.69	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	81%		28-118%
321-60-8	2-Fluorobiphenyl	80%		34-116%
1718-51-0	Terphenyl-d14	45%		10-127%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-14D	Date Sampled:	09/23/22
Lab Sample ID:	JD52537-3	Date Received:	09/26/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F209948.D	1	09/29/22 01:56	JY	09/28/22 09:00	OP42119	EF9257
Run #2							

Run #	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.1	0.69	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		28-118%
321-60-8	2-Fluorobiphenyl	72%		34-116%
1718-51-0	Terphenyl-d14	35%		10-127%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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SGS North America Inc.

Report of Analysis

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Client Sample ID:	EB-092322	Date Sampled:	09/23/22
Lab Sample ID:	JD52537-4	Date Received:	09/26/22
Matrix:	AQ - Equipment Blank	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A220361.D	1	09/28/22 19:00	NH	n/a	n/a	V2A9579
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane ^a	ND UJ	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND UJ	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: EB-092322		Date Sampled: 09/23/22
Lab Sample ID: JD52537-4		Date Received: 09/26/22
Matrix: AQ - Equipment Blank		Percent Solids: n/a
Method: SW846 8260D		
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride ^a	ND UJ	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-120%
17060-07-0	1,2-Dichloroethane-D4	87%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	110%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	3.54	13	ug/l	J
	system artifact	3.61	15	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

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Client Sample ID:	MW-79	Date Sampled:	09/23/22
Lab Sample ID:	JD52537-5	Date Received:	09/26/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A220352.D	1	09/28/22 14:40	NH	n/a	n/a	V2A9579
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane ^a	ND UJ	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND UJ	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-79		
Lab Sample ID: JD52537-5		Date Sampled: 09/23/22
Matrix: AQ - Ground Water		Date Received: 09/26/22
Method: SW846 8260D		Percent Solids: n/a
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride ^a	ND UJ	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	87%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	111%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	3.54	67	ug/l	J
	system artifact	3.61	76	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

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Client Sample ID:	FD-092322	Date Sampled:	09/23/22
Lab Sample ID:	JD52537-6	Date Received:	09/26/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A220362.D	1	09/28/22 19:29	NH	n/a	n/a	V2A9579
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane ^a	ND UJ	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND UJ	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: FD-092322	
Lab Sample ID: JD52537-6	Date Sampled: 09/23/22
Matrix: AQ - Ground Water	Date Received: 09/26/22
Method: SW846 8260D	Percent Solids: n/a
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY	

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride ^a	ND UJ	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	88%		80-120%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	110%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	3.54	68	ug/l	J
	system artifact	3.61	72	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

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Client Sample ID:	MW-66	Date Sampled:	09/23/22
Lab Sample ID:	JD52537-7	Date Received:	09/26/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V92988.D	1	09/29/22 16:59	KM	n/a	n/a	V2V3776
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide ^a	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane ^a	ND UJ	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND UJ	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	1.2	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	99.8	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	0.67	1.0	0.54	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-66	Date Sampled: 09/23/22
Lab Sample ID: JD52537-7	Date Received: 09/26/22
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260D	
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY	

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	7.4	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^b	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	3.0	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	94%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	1.19	37	ug/l	J
	system artifact	1.57	6.6	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

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Client Sample ID:	TR3-MW-02	Date Sampled:	09/23/22
Lab Sample ID:	JD52537-8	Date Received:	09/26/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A220364.D	1	09/28/22 20:27	NH	n/a	n/a	V2A9579
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane ^a	ND UJ	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND UJ	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TR3-MW-02	Date Sampled:	09/23/22
Lab Sample ID:	JD52537-8	Date Received:	09/26/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride ^a	ND UJ	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-120%
17060-07-0	1,2-Dichloroethane-D4	87%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	108%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.59	180	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

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Client Sample ID:	MW-58	Date Sampled:	09/23/22
Lab Sample ID:	JD52537-9	Date Received:	09/26/22
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V92989.D	1	09/29/22 17:22	KM	n/a	n/a	V2V3776
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide ^a	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane ^a	ND UJ	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND UJ	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	44.8	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-58		
Lab Sample ID: JD52537-9		Date Sampled: 09/23/22
Matrix: AQ - Ground Water		Date Received: 09/26/22
Method: SW846 8260D		Percent Solids: n/a
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	22.9	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^b	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	2.2	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-120%
17060-07-0	1,2-Dichloroethane-D4	96%		80-120%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	1.19	34	ug/l	J
	system artifact	1.57	5.9	ug/l	J
	Total TIC, Volatile		0	ug/l	

- (a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
 (b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

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Client Sample ID:	TB-092322	Date Sampled:	09/23/22
Lab Sample ID:	JD52537-10	Date Received:	09/26/22
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A220360.D	1	09/28/22 18:32	NH	n/a	n/a	V2A9579
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	1.7	1.0	0.50	ug/l	
74-87-3	Chloromethane ^a	ND UJ	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND UJ	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-092322	Date Sampled:	09/23/22
Lab Sample ID:	JD52537-10	Date Received:	09/26/22
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride ^a	ND UJ	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-120%
17060-07-0	1,2-Dichloroethane-D4	86%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	109%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

ATTACHMENT B

SUPPORT DOCUMENTATION

JD52521

CASE NARRATIVE / CONFORMANCE SUMMARY

2

Client: Carrier

Job No: JD52521

Site: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Report Date 10/20/2022 2:40:38 P

On 09/23/2022, 21 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 2.8 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD52521 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method SW846 8260D

Matrix: AQ

Batch ID: V1U1980

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD52324-12MS, JD52324-12MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for MS/MSD for Cyclohexane, Dichlorodifluoromethane, Freon 113, Trichlorofluoromethane are outside control limits. Outside control limits due to matrix interference.

Matrix: AQ

Batch ID: V2V3780

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD52755-1MS, JD52755-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Chloroethane, Trichlorofluoromethane are outside of in house control limits.
- Matrix Spike Duplicate Recovery(s) for Bromomethane, Trichlorofluoromethane are outside of in house control limits.
- JD52521-15 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD52521-10 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- V2V3780-BS for Chloroethane: High percent recovery and no associated positive reported in the QC batch.
- V2V3780-BS for Trichlorofluoromethane: High percent recovery and no associated positive reported in the QC batch.
- V2V3780-BS for Bromomethane: High percent recovery and no associated positive reported in the QC batch.
- JD52521-15 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD52521-15 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD52521-15 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52521-10 for Vinyl chloride: Associated CCV outside of control limits high, sample was ND.
- JD52521-10 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD52521-10 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD52521-10 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD52521-15 for Vinyl chloride: Associated CCV outside of control limits high, sample was ND.

Thursday, October 20, 2022

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MS Semi-volatiles By Method SW846 8270E

Matrix: AQ **Batch ID:** OP42072

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

GC/LC Semi-volatiles By Method SW846 8082A

Matrix: AQ **Batch ID:** OP42115

- All samples were extracted within the recommended method holding time.
- Sample(s) JD52521-2FMS, JD52521-2FMSD, JD52521-2MS, JD52521-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

Blank Spike Summary

Job Number: JD52521

Account: CARRIER Carrier

Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2V3780-BS	2V93092.D	1	10/01/22	KM	n/a	n/a	V2V3780

The QC reported here applies to the following samples:

Method: SW846 8260D

JD52521-9, JD52521-10, JD52521-13, JD52521-15

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	242	121	27-175
71-43-2	Benzene	50	52.7	105	80-115
74-97-5	Bromochloromethane	50	57.1	114	83-122
75-27-4	Bromodichloromethane	50	51.5	103	82-119
75-25-2	Bromoform	50	51.8	104	77-135
74-83-9	Bromomethane	50	99.7	199* a	40-162
78-93-3	2-Butanone (MEK)	200	230	115	61-150
75-15-0	Carbon disulfide	50	53.7	107	64-130
56-23-5	Carbon tetrachloride	50	52.8	106	75-127
108-90-7	Chlorobenzene	50	51.3	103	80-115
75-00-3	Chloroethane	50	78.3	157* a	56-144
67-66-3	Chloroform	50	50.3	101	75-116
74-87-3	Chloromethane	50	53.8	108	41-153
110-82-7	Cyclohexane	50	53.9	108	66-129
96-12-8	1,2-Dibromo-3-chloropropane	50	49.8	100	69-134
124-48-1	Dibromochloromethane	50	52.8	106	81-123
106-93-4	1,2-Dibromoethane	50	53.9	108	67-138
95-50-1	1,2-Dichlorobenzene	50	52.4	105	81-117
541-73-1	1,3-Dichlorobenzene	50	51.3	103	81-115
106-46-7	1,4-Dichlorobenzene	50	50.9	102	80-114
75-71-8	Dichlorodifluoromethane	50	56.7	113	43-152
75-34-3	1,1-Dichloroethane	50	56.1	112	75-125
107-06-2	1,2-Dichloroethane	50	50.3	101	73-117
75-35-4	1,1-Dichloroethene	50	58.1	116	70-124
156-59-2	cis-1,2-Dichloroethene	50	57.7	115	80-120
156-60-5	trans-1,2-Dichloroethene	50	56.0	112	77-121
78-87-5	1,2-Dichloropropane	50	56.6	113	79-121
10061-01-5	cis-1,3-Dichloropropene	50	54.3	109	83-123
10061-02-6	trans-1,3-Dichloropropene	50	54.9	110	83-122
100-41-4	Ethylbenzene	50	53.0	106	78-116
76-13-1	Freon 113	50	57.0	114	68-134
591-78-6	2-Hexanone	200	225	113	66-136
98-82-8	Isopropylbenzene	50	51.5	103	78-121
79-20-9	Methyl Acetate	50	51.9	104	60-143
108-87-2	Methylcyclohexane	50	52.4	105	71-123
1634-04-4	Methyl Tert Butyl Ether	50	55.1	110	76-123

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JD52521
 Account: CARRIER Carrier
 Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Sample:	V2V3780-BFB	Injection Date:	10/01/22
Lab File ID:	2V93090.D	Injection Time:	09:50
Instrument ID:	GCMS2V		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	20943	21.6	Pass
75	30.0 - 60.0% of mass 95	51749	53.3	Pass
95	Base peak, 100% relative abundance	97133	100.0	Pass
96	5.0 - 9.0% of mass 95	6487	6.68	Pass
173	Less than 2.0% of mass 174	1423	1.47 (1.36) ^a	Pass
174	50.0 - 120.0% of mass 95	104619	107.7	Pass
175	5.0 - 9.0% of mass 174	8376	8.62 (8.01) ^a	Pass
176	95.0 - 101.0% of mass 174	104899	108.0 (100.3) ^a	Pass
177	5.0 - 9.0% of mass 176	6875	7.08 (6.55) ^b	Pass

(a) Value is % of mass 174
 (b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2V3780-CC3747	2V93090.D	10/01/22	09:50	00:00	Continuing cal 20
V2V3780-BS	2V93092.D	10/01/22	10:53	01:03	Blank Spike
V2V3780-MB	2V93094.D	10/01/22	11:39	01:49	Method Blank
JD52521-15	2V93095.D	10/01/22	12:07	02:17	TB-092222
JD52755-1	2V93096.D	10/01/22	12:30	02:40	(used for QC only; not part of job JD52521)
JD52521-13	2V93097.D	10/01/22	12:54	03:04	MW-18
JD52521-10	2V93098.D	10/01/22	13:19	03:29	MW-50
ZZZZZZ	2V93099.D	10/01/22	13:40	03:50	(unrelated sample)
JD52521-9	2V93100.D	10/01/22	14:03	04:13	MW-23
JD52521-9	2V93101.D	10/01/22	14:26	04:36	MW-23
JD52755-1MS	2V93102.D	10/01/22	14:50	05:00	Matrix Spike
JD52755-1MSD	2V93103.D	10/01/22	15:13	05:23	Matrix Spike Duplicate
ZZZZZZ	2V93105.D	10/01/22	15:59	06:09	(unrelated sample)
ZZZZZZ	2V93106.D	10/01/22	16:22	06:32	(unrelated sample)
ZZZZZZ	2V93107.D	10/01/22	16:46	06:56	(unrelated sample)
ZZZZZZ	2V93108.D	10/01/22	17:09	07:19	(unrelated sample)
ZZZZZZ	2V93109.D	10/01/22	17:32	07:42	(unrelated sample)
ZZZZZZ	2V93110.D	10/01/22	17:55	08:05	(unrelated sample)
ZZZZZZ	2V93113.D	10/01/22	19:05	09:15	(unrelated sample)
ZZZZZZ	2V93114.D	10/01/22	19:28	09:38	(unrelated sample)
ZZZZZZ	2V93115.D	10/01/22	19:52	10:02	(unrelated sample)
ZZZZZZ	2V93117.D	10/01/22	20:38	10:48	(unrelated sample)
ZZZZZZ	2V93118.D	10/01/22	21:01	11:11	(unrelated sample)

6.4.4
6

Continuing Calibration Summary

Job Number: JD52521
 Account: CARRIER Carrier
 Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Sample: V2V3780-CC3747
 Lab FileID: 2V93090.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\ne...-22\v2v3780\2v93090.d Vial: 2
 Acq On : 1 Oct 2022 9:50 am Operator: KYLEM
 Sample : cc3747-20 Inst : MS2V
 Misc : MS62588,V2V3780,5,,,,,1 Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2V3747.M (RTE Integrator)
 Title : SW 846 Method 8260C/D, Rxi-624 (30m x 0.25mm x 1.4um)
 Last Update : Mon Sep 12 11:37:13 2022
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	83	0.00	2.32
2	ethanol	0.102	0.202	-98.0#	170	0.00	1.89
3	tertiary butyl alcohol	1.558	1.404	9.9	78	0.00	2.36
4	1,4-dioxane	0.128	0.135	-5.5	84	0.00	4.10
5 I	pentafluorobenzene	1.000	1.000	0.0	74	0.00	3.29
6	chlorodifluoromethane	0.467	0.210	55.0#	36#	0.00	1.29
7	dichlorodifluoromethane	0.559	0.604	-8.1	82	0.00	1.29
8	chloromethane	0.211	0.227	-7.6	89	0.00	1.40
9	vinyl chloride	0.685	0.835	-21.9#	95	0.01	1.46
10	bromomethane	0.476	0.691	-45.2#	113	0.01	1.64
11	chloroethane	0.411	0.686	-66.9#	126	0.01	1.70
12	trichlorofluoromethane	1.014	1.716	-69.2#	142	0.00	1.83
13	1,3-butadiene	0.628	0.505	19.6	64	0.00	1.48
14	ethyl ether	0.240	0.366	-52.5#	119	0.00	1.96
15	acrolein	0.106	0.161	-51.9#	117	0.00	2.03
16	freon 113	0.402	0.368	8.5	73	0.01	2.10
17	1,1-dichloroethene	0.609	0.522	14.3	69	0.00	2.10
18	acetone	0.064	0.066	-3.1	82	0.00	2.10
19	acetonitrile	0.083	0.087	-4.8	83	0.00	2.24
----- True Calc. % Drift -----							
20	iodomethane	20.000	11.241	43.8#	41	0.00	2.19
----- AvgRF CCRF % Dev -----							
21	carbon disulfide	1.113	0.771	30.7#	57	0.00	2.24
22	methylene chloride	0.454	0.396	12.8	73	0.00	2.35
23	methyl acetate	0.116	0.108	6.9	74	0.00	2.26
24	methyl tert butyl ether	1.232	1.158	6.0	74	0.00	2.48
25	trans-1,2-dichloroethene	0.430	0.395	8.1	73	0.00	2.49
26	hexane	0.238	0.202	15.1	70	0.00	2.63
27	di-isopropyl ether	1.218	1.198	1.6	77	0.00	2.71
28	ethyl tert-butyl ether	1.211	1.115	7.9	71	0.00	2.91
29	1,1-dichloroethane	0.736	0.694	5.7	75	0.00	2.72
30	chloroprene	0.550	0.521	5.3	74	0.00	2.76
31	acrylonitrile	0.226	0.208	8.0	69	0.01	2.46
32	vinyl acetate	0.100	0.090	10.0	72	0.00	2.70
33	ethyl acetate	0.108	0.108	0.0	78	0.00	3.01
34	2-butanone	0.087	0.087	0.0	75	0.00	3.00
35	2,2-dichloropropane	0.649	0.634	2.3	79	0.00	3.04
36	cis-1,2-dichloroethene	0.497	0.461	7.2	73	0.00	3.03
37	propionitrile	0.101	0.105	-4.0	79	0.00	3.04

6.7.8
6

JD52528



CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
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EHSA-QAC-0023-04-FORM-Standard COC

FED-EX Tracking # 5894 7366 6704
SGS Job # JD 52528

Client / Reporting Information, Project Information, Billing Information, Requested Analysis, Matrix Codes

Table with columns: Sample #, Field ID / Point of Collection, Date, Time, Matrix, # of bottles, etc.

Turn Around Time (Business Days), Deliverable, Comments / Special Instructions

Relinquished By, Received By, Date / Time, Custody Seal #

2.3
3.0

5.1
5



CASE NARRATIVE / CONFORMANCE SUMMARY

2

Client: Carrier

Job No JD52528

Site: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Report Date 10/11/2022 9:54:22 A

On 09/21/2022, 18 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 3.6 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD52528 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method SW846 8260D

Matrix: AQ

Batch ID: V2V3775

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD52528-3MS, JD52528-3MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Trichlorofluoromethane are outside control limits.
- Matrix Spike Duplicate Recovery(s) for Trichlorofluoromethane are outside control limits.
- RPD(s) for MSD for Freon 113, Methylcyclohexane are outside control limits for sample JD52528-3MSD. Outside control limits due to matrix interference.
- JD52528-4: Dilution required due to high concentration of target compound.
- JD52528-17: Dilution required due to high concentration of target compound.
- JD52528-4 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD52528-17 for Bromomethane, Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-17 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD52528-17 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52528-4 for Bromomethane, Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-4 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52528-3 for Bromomethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-7 for Bromomethane: Associated CCV outside of control limits high, sample was ND.
- V2V3775-BS for Trichlorofluoromethane: High percent recovery and no associated positive reported in the QC batch.
- JD52528-15 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD52528-13 for Bromomethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-13 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-13 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD52528-13 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52528-18 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-14 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-6 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

Tuesday, October 11, 2022

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MS Volatiles By Method SW846 8260D

Matrix: AQ

Batch ID: V2V3775

2

- JD52528-6 for Bromomethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-18 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52528-19 for Bromomethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-19 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-19 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD52528-3 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-5 for Bromomethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-18 for Bromomethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-5 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52528-5 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-6 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-19 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52528-3 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD52528-14 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD52528-3 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52528-14 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52528-18 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD52528-5 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD52528-10 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-8 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-6 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD52528-8 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52528-14 for Bromomethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-9 for Bromomethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-9 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-12 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52528-8 for Bromomethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-12 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD52528-8 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD52528-10 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD52528-10 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52528-11 for Bromomethane: Associated CCV outside of control limits high, sample was ND.

Tuesday, October 11, 2022

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MS Volatiles By Method SW846 8260D

Matrix: AQ

Batch ID: V2V3775

- JD52528-11 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-11 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD52528-11 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52528-12 for Bromomethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-9 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD52528-9 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52528-16 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD52528-15 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-12 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-15 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52528-16 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-16 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52528-7 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-16 for Bromomethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-7 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD52528-10 for Bromomethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-15 for Bromomethane: Associated CCV outside of control limits high, sample was ND.
- JD52528-7 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

Matrix: AQ

Batch ID: VL10514

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD52573-1MS, JD52573-1MSD were used as the QC samples indicated.
- JD52528-2 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- VL10514-BS for trans-1,3-Dichloropropene: Outside in house control limits, but meets RCP criteria.
- JD52528-2 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52528-1 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52528-1 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

MS Semi-volatiles By Method SW846 8270E

Matrix: AQ **Batch ID:** OP42043

- All samples were extracted within the recommended method holding time.
- Sample(s) JD52528-3MS, JD52528-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: AQ **Batch ID:** OP42119

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Matrix: AQ **Batch ID:** OP42253

- All method blanks for this batch meet method specific criteria.
- JD52528-15: Sample extracted outside the holding time.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

Instrument Performance Check (BFB)

Job Number: JD52528
 Account: CARRIER Carrier
 Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Sample:	V2V3775-BFB	Injection Date:	09/28/22
Lab File ID:	2V92940.D	Injection Time:	21:52
Instrument ID:	GCMS2V		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	24749	22.0	Pass
75	30.0 - 60.0% of mass 95	60792	54.0	Pass
95	Base peak, 100% relative abundance	112589	100.0	Pass
96	5.0 - 9.0% of mass 95	7562	6.72	Pass
173	Less than 2.0% of mass 174	1202	1.07 (1.07) ^a	Pass
174	50.0 - 120.0% of mass 95	112605	100.0	Pass
175	5.0 - 9.0% of mass 174	8472	7.52 (7.52) ^a	Pass
176	95.0 - 101.0% of mass 174	111216	98.8 (98.8) ^a	Pass
177	5.0 - 9.0% of mass 176	7219	6.41 (6.49) ^b	Pass

(a) Value is % of mass 174
 (b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2V3775-CC3747	2V92940.D	09/28/22	21:52	00:00	Continuing cal 50
V2V3775-BS	2V92942.D	09/28/22	22:38	00:46	Blank Spike
V2V3775-MB	2V92944.D	09/28/22	23:25	01:33	Method Blank
JD52528-3	2V92945.D	09/28/22	23:48	01:56	MW-03D
JD52528-3MS	2V92946.D	09/29/22	00:11	02:19	Matrix Spike
JD52528-3MSD	2V92947.D	09/29/22	00:35	02:43	Matrix Spike Duplicate
ZZZZZZ	2V92949.D	09/29/22	01:21	03:29	(unrelated sample)
JD52528-18	2V92950.D	09/29/22	01:44	03:52	EB-092122
JD52528-19	2V92951.D	09/29/22	02:08	04:16	TB-0920-2122
JD52528-4	2V92954.D	09/29/22	03:18	05:26	MW-69
JD52528-5	2V92955.D	09/29/22	03:41	05:49	MW-09
JD52528-6	2V92956.D	09/29/22	04:04	06:12	MW-75
JD52528-7	2V92957.D	09/29/22	04:27	06:35	MW-84
JD52528-8	2V92958.D	09/29/22	04:51	06:59	DP-MW-04
JD52528-9	2V92959.D	09/29/22	05:14	07:22	MW-76
JD52528-10	2V92960.D	09/29/22	05:37	07:45	MW-77
JD52528-11	2V92961.D	09/29/22	06:00	08:08	FD-092122
JD52528-12	2V92962.D	09/29/22	06:24	08:32	AR-MW-02
JD52528-13	2V92963.D	09/29/22	06:47	08:55	AR-MW-06
JD52528-14	2V92964.D	09/29/22	07:10	09:18	MW-21
JD52528-15	2V92965.D	09/29/22	07:34	09:42	MW-70
JD52528-16	2V92966.D	09/29/22	07:57	10:05	MW-48
JD52528-17	2V92968.D	09/29/22	08:44	10:52	TR3-PW-01

6.4.2
6

Instrument Performance Check (BFB)

Job Number: JD52528
 Account: CARRIER Carrier
 Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Sample:	VL10514-BFB	Injection Date:	09/30/22
Lab File ID:	L347669.D	Injection Time:	10:18
Instrument ID:	GCMSL		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	13886	15.5	Pass
75	30.0 - 60.0% of mass 95	40757	45.6	Pass
95	Base peak, 100% relative abundance	89403	100.0	Pass
96	5.0 - 9.0% of mass 95	6322	7.07	Pass
173	Less than 2.0% of mass 174	442	0.49 (0.62) ^a	Pass
174	50.0 - 120.0% of mass 95	71856	80.4	Pass
175	5.0 - 9.0% of mass 174	5802	6.49 (8.07) ^a	Pass
176	95.0 - 101.0% of mass 174	69147	77.3 (96.2) ^a	Pass
177	5.0 - 9.0% of mass 176	4821	5.39 (6.97) ^b	Pass

(a) Value is % of mass 174
 (b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VL10514-CC10355	L347669.D	09/30/22	10:18	00:00	Continuing cal 20
VL10514-BS	L347672.D	09/30/22	11:39	01:21	Blank Spike
VL10514-MB	L347674.D	09/30/22	12:25	02:07	Method Blank
JD52573-1	L347675.D	09/30/22	12:58	02:40	(used for QC only; not part of job JD52528)
ZZZZZZ	L347676.D	09/30/22	13:22	03:04	(unrelated sample)
ZZZZZZ	L347677.D	09/30/22	13:45	03:27	(unrelated sample)
ZZZZZZ	L347678.D	09/30/22	14:08	03:50	(unrelated sample)
JD52528-1	L347679.D	09/30/22	14:31	04:13	MW-03S
ZZZZZZ	L347680.D	09/30/22	14:54	04:36	(unrelated sample)
ZZZZZZ	L347681.D	09/30/22	15:18	05:00	(unrelated sample)
ZZZZZZ	L347682.D	09/30/22	15:41	05:23	(unrelated sample)
JD52528-2	L347683.D	09/30/22	16:04	05:46	FD-092022
JD52528-1	L347684.D	09/30/22	16:27	06:09	MW-03S
JD52528-2	L347685.D	09/30/22	16:51	06:33	FD-092022
ZZZZZZ	L347686.D	09/30/22	17:14	06:56	(unrelated sample)
JD52573-1MS	L347687.D	09/30/22	17:37	07:19	Matrix Spike
JD52573-1MSD	L347688.D	09/30/22	18:00	07:42	Matrix Spike Duplicate
ZZZZZZ	L347690.D	09/30/22	18:47	08:29	(unrelated sample)
ZZZZZZ	L347691.D	09/30/22	19:10	08:52	(unrelated sample)
ZZZZZZ	L347692.D	09/30/22	19:33	09:15	(unrelated sample)
ZZZZZZ	L347693.D	09/30/22	19:56	09:38	(unrelated sample)
ZZZZZZ	L347694.D	09/30/22	20:20	10:02	(unrelated sample)
ZZZZZZ	L347695.D	09/30/22	20:43	10:25	(unrelated sample)
ZZZZZZ	L347696.D	09/30/22	21:06	10:48	(unrelated sample)

6.4.5
6

Continuing Calibration Summary

Job Number: JD52528
 Account: CARRIER Carrier
 Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Sample: V2V3775-CC3747
 Lab FileID: 2V92940.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\ne...-22\v2v3775\2v92940.d Vial: 33
 Acq On : 28 Sep 2022 9:52 pm Operator: KYLEM
 Sample : cc3747-50 Inst : MS2V
 Misc : MS62501,V2V3775,5,,,,,1 Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2V3747.M (RTE Integrator)
 Title : SW 846 Method 8260C/D, Rxi-624 (30m x 0.25mm x 1.4um)
 Last Update : Mon Sep 12 11:37:13 2022
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	89	0.00	2.32
2	ethanol	0.102	0.184	-80.4#	179	0.00	1.89
3	tertiary butyl alcohol	1.558	1.338	14.1	81	0.00	2.36
4	1,4-dioxane	0.128	0.122	4.7	85	0.00	4.10
5 I	pentafluorobenzene	1.000	1.000	0.0	73	0.00	3.29
6	chlorodifluoromethane	0.467	0.317	32.1#	52	0.00	1.29
7	dichlorodifluoromethane	0.559	0.486	13.1	64	0.00	1.28
8	chloromethane	0.211	0.188	10.9	73	0.00	1.40
9	vinyl chloride	0.685	0.685	0.0	76	0.00	1.46
10	bromomethane	0.476	0.684	-43.7#	108	0.00	1.63
11	chloroethane	0.411	0.558	-35.8#	93	0.00	1.69
12	trichlorofluoromethane	1.014	1.669	-64.6#	114	0.00	1.82
13	1,3-butadiene	0.628	0.425	32.3#	55	0.00	1.48
14	ethyl ether	0.240	0.412	-71.7#	124	0.00	1.96
15	acrolein	0.106	0.130	-22.6#	92	0.00	2.03
16	freon 113	0.402	0.338	15.9	62	0.00	2.09
17	1,1-dichloroethene	0.609	0.555	8.9	67	0.00	2.10
18	acetone	0.064	0.068	-6.3	83	0.00	2.10
19	acetonitrile	0.083	0.094	-13.3	89	0.00	2.24
----- True Calc. % Drift -----							
20	iodomethane	50.000	34.912	30.2#	44	0.00	2.18
----- AvgRF CCRF % Dev -----							
21	carbon disulfide	1.113	0.865	22.3#	62	0.00	2.23
22	methylene chloride	0.454	0.405	10.8	73	0.00	2.34
23	methyl acetate	0.116	0.117	-0.9	76	0.00	2.26
24	methyl tert butyl ether	1.232	1.245	-1.1	73	0.00	2.47
25	trans-1,2-dichloroethene	0.430	0.404	6.0	69	0.00	2.49
26	hexane	0.238	0.191	19.7	59	0.00	2.63
27	di-isopropyl ether	1.218	1.284	-5.4	78	0.00	2.71
28	ethyl tert-butyl ether	1.211	1.198	1.1	72	0.00	2.91
29	1,1-dichloroethane	0.736	0.730	0.8	73	0.00	2.72
30	chloroprene	0.550	0.528	4.0	70	0.00	2.76
31	acrylonitrile	0.226	0.235	-4.0	78	0.00	2.45
32	vinyl acetate	0.100	0.101	-1.0	71	0.00	2.70
33	ethyl acetate	0.108	0.120	-11.1	82	0.00	3.01
34	2-butanone	0.087	0.099	-13.8	81	0.00	3.00
35	2,2-dichloropropane	0.649	0.611	5.9	70	0.00	3.03
36	cis-1,2-dichloroethene	0.497	0.502	-1.0	72	0.00	3.03
37	propionitrile	0.101	0.119	-17.8	89	0.00	3.03

6.7.4
6

Continuing Calibration Summary

Job Number: JD52528
 Account: CARRIER Carrier
 Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Sample: VL10514-CC10355
 Lab FileID: L347669.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\An...022\vl10514\l347669.d Vial: 3
 Acq On : 30 Sep 2022 10:18 am Operator: nicoleh
 Sample : CC10355-20 Inst : GCMSL
 Misc : MS62502,VL10514,5,,,,,1 Multiplr: 1.00
 MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\ML10355.M (RTE Integrator)
 Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
 Last Update : Thu Jun 23 18:51:37 2022
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	59	0.00	3.09
2	1,4-dioxane	0.130	0.036	72.3#	19#	0.00	5.32
3	ethanol	0.125	0.048	61.6#	25#	0.00	2.51
4 M	tertiary butyl alcohol	1.532	1.518	0.9	67	0.00	3.15
5 I	pentafluorobenzene	1.000	1.000	0.0	104	0.00	4.31
6	chlorodifluoromethane	0.559	0.338	39.5#	64	0.00	1.68
7	dichlorodifluoromethane	0.816	0.801	1.8	103	0.00	1.66
8	chloromethane	0.546	0.486	11.0	93	0.00	1.82
9	vinyl chloride	0.673	0.608	9.7	96	0.00	1.90
10	1,3-butadiene	0.662	0.512	22.7#	77	0.00	1.93
11	bromomethane	0.280	0.159	43.2#	64	0.01	2.16
12	chloroethane	0.394	0.319	19.0	92	0.00	2.23
13	trichlorofluoromethane	0.941	0.905	3.8	99	0.00	2.42
14	ethyl ether	0.329	0.335	-1.8	100	0.00	2.61
15	acrolein	0.119	0.157	-31.9#	141	0.00	2.71
16	freon 113	0.371	0.421	-13.5	117	0.00	2.78
17	1,1-dichloroethene	0.462	0.452	2.2	99	0.00	2.79
18	acetone	0.081	0.084	-3.7	107	0.00	2.80
19	acetonitrile	0.053	0.042	20.8#	80	0.00	3.00
----- True Calc. % Drift -----							
20	iodomethane	20.000	13.665	31.7#	77	0.00	2.90
----- AvgRF CCRF % Dev -----							
21	iso-butyl alcohol	0.053	0.031	41.5#	64	0.00	4.46
22	carbon disulfide	1.420	1.132	20.3#	83	0.00	2.96
23	methylene chloride	0.537	0.558	-3.9	114	0.00	3.12
24	methyl acetate	0.163	0.151	7.4	97	0.00	3.01
25	methyl tert butyl ether	1.747	1.690	3.3	100	0.00	3.29
26	trans-1,2-dichloroethene	0.499	0.514	-3.0	108	0.00	3.30
27	hexane	0.702	0.705	-0.4	105	0.00	3.48
28	di-isopropyl ether	1.418	1.543	-8.8	112	0.00	3.59
29	ethyl tert-butyl ether	1.662	1.696	-2.0	105	0.00	3.84
30	2-butanone	0.125	0.117	6.4	99	0.00	3.96
31 M	1,1-dichloroethane	0.877	0.899	-2.5	107	0.00	3.60
32	chloroprene	0.713	0.730	-2.4	106	0.00	3.65
33	acrylonitrile	0.288	0.320	-11.1	113	0.00	3.27
34	vinyl acetate	0.151	0.146	3.3	98	0.00	3.57
35	ethyl acetate	0.126	0.114	9.5	95	0.00	3.97
36	2,2-dichloropropane	0.853	0.747	12.4	89	0.00	4.00
37	cis-1,2-dichloroethene	0.565	0.584	-3.4	109	0.00	3.99

6.7.9
6

JD52537

CASE NARRATIVE / CONFORMANCE SUMMARY

2

Client: Carrier

Job No JD52537

Site: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Report Date 10/11/2022 9:53:04 A

On 09/26/2022, 9 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 2.7 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD52537 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method SW846 8260D

Matrix: AQ

Batch ID: V2A9579

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD52537-2DUP, JD52579-1MS were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD52537-5 for Vinyl chloride: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52537-10 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52537-10 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52537-2 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52537-2 for Vinyl chloride: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52537-8 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52537-8 for Vinyl chloride: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52537-5 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52537-4 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52537-6 for Vinyl chloride: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52537-6 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52537-6 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52537-4 for Vinyl chloride: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52537-5 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52537-4 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52537-8 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52537-10 for Vinyl chloride: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

Tuesday, October 11, 2022

Page 1 of 2

MS Volatiles By Method SW846 8260D

Matrix: AQ	Batch ID: V2A9579
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- JD52537-2 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

Matrix: AQ	Batch ID: V2V3776
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- All samples were analyzed within the recommended method holding time.
- Sample(s) JD52547-1MS, JD52547-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Trichlorofluoromethane are outside control limits. Outside control limits.
- Matrix Spike Duplicate Recovery(s) for Trichlorofluoromethane are outside control limits. Outside control limits.
- JD52537-1: (pH=4)Sample pH did not satisfy field preservation criteria.
- JD52537-1 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND.
- JD52537-1 for Carbon disulfide, Cyclohexane, Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52537-9 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52537-9 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND.
- JD52537-7 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52537-7 for Cyclohexane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52537-7 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD52537-7 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND.
- JD52537-9 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- V2V3776-BS for Trichlorofluoromethane: High percent recovery and no associated positive reported in the QC batch.
- JD52537-9 for Cyclohexane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

MS Semi-volatiles By Method SW846 8270E

Matrix: AQ	Batch ID: OP42119
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- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

Instrument Performance Check (BFB)

Job Number: JD52537
 Account: CARRIER Carrier
 Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Sample:	V2A9579-BFB	Injection Date:	09/28/22
Lab File ID:	2A220341.D	Injection Time:	09:08
Instrument ID:	GCMS2A		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	50053	20.8	Pass
75	30.0 - 60.0% of mass 95	111467	46.2	Pass
95	Base peak, 100% relative abundance	241024	100.0	Pass
96	5.0 - 9.0% of mass 95	15666	6.50	Pass
173	Less than 2.0% of mass 174	1439	0.60 (0.65) ^a	Pass
174	50.0 - 120.0% of mass 95	219797	91.2	Pass
175	5.0 - 9.0% of mass 174	16247	6.74 (7.39) ^a	Pass
176	95.0 - 101.0% of mass 174	215637	89.5 (98.1) ^a	Pass
177	5.0 - 9.0% of mass 176	14342	5.95 (6.65) ^b	Pass

(a) Value is % of mass 174
 (b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2A9579-CC9511	2A220341.D	09/28/22	09:08	00:00	Continuing cal 20
V2A9579-BS	2A220343.D	09/28/22	10:19	01:11	Blank Spike
V2A9579-MB	2A220345.D	09/28/22	11:16	02:08	Method Blank
ZZZZZZ	2A220347.D	09/28/22	12:15	03:07	(unrelated sample)
ZZZZZZ	2A220348.D	09/28/22	12:44	03:36	(unrelated sample)
JD52579-1	2A220349.D	09/28/22	13:13	04:05	(used for QC only; not part of job JD52537)
JD52537-2	2A220351.D	09/28/22	14:11	05:03	MW-14
JD52537-5	2A220352.D	09/28/22	14:40	05:32	MW-79
ZZZZZZ	2A220353.D	09/28/22	15:09	06:01	(unrelated sample)
ZZZZZZ	2A220354.D	09/28/22	15:38	06:30	(unrelated sample)
JD52579-1MS	2A220355.D	09/28/22	16:07	06:59	Matrix Spike
ZZZZZZ	2A220356.D	09/28/22	16:36	07:28	(unrelated sample)
JD52537-2DUP	2A220357.D	09/28/22	17:05	07:57	Duplicate
ZZZZZZ	2A220358.D	09/28/22	17:34	08:26	(unrelated sample)
ZZZZZZ	2A220359.D	09/28/22	18:03	08:55	(unrelated sample)
JD52537-10	2A220360.D	09/28/22	18:32	09:24	TB-092322
JD52537-4	2A220361.D	09/28/22	19:00	09:52	EB-092322
JD52537-6	2A220362.D	09/28/22	19:29	10:21	FD-092322
JD52537-8	2A220364.D	09/28/22	20:27	11:19	TR3-MW-02

6.6.2
 6

Instrument Performance Check (BFB)

Job Number: JD52537
 Account: CARRIER Carrier
 Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Sample:	V2V3776-BFB	Injection Date:	09/29/22
Lab File ID:	2V92970.D	Injection Time:	09:33
Instrument ID:	GCMS2V		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	22379	21.7	Pass
75	30.0 - 60.0% of mass 95	56141	54.5	Pass
95	Base peak, 100% relative abundance	103085	100.0	Pass
96	5.0 - 9.0% of mass 95	7219	7.00	Pass
173	Less than 2.0% of mass 174	1217	1.18 (1.17) ^a	Pass
174	50.0 - 120.0% of mass 95	103984	100.9	Pass
175	5.0 - 9.0% of mass 174	8209	7.96 (7.89) ^a	Pass
176	95.0 - 101.0% of mass 174	104840	101.7 (100.8) ^a	Pass
177	5.0 - 9.0% of mass 176	6782	6.58 (6.47) ^b	Pass

(a) Value is % of mass 174
 (b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2V3776-CC3747	2V92970.D	09/29/22	09:33	00:00	Continuing cal 20
V2V3776-BS	2V92972.D	09/29/22	10:32	00:59	Blank Spike
V2V3776-MB	2V92974.D	09/29/22	11:18	01:45	Method Blank
ZZZZZZ	2V92975.D	09/29/22	11:48	02:15	(unrelated sample)
ZZZZZZ	2V92976.D	09/29/22	12:17	02:44	(unrelated sample)
JD52547-1	2V92977.D	09/29/22	12:43	03:10	(used for QC only; not part of job JD52537)
ZZZZZZ	2V92978.D	09/29/22	13:06	03:33	(unrelated sample)
ZZZZZZ	2V92979.D	09/29/22	13:29	03:56	(unrelated sample)
ZZZZZZ	2V92981.D	09/29/22	14:15	04:42	(unrelated sample)
JD52547-1MS	2V92982.D	09/29/22	14:39	05:06	Matrix Spike
JD52547-1MSD	2V92983.D	09/29/22	15:02	05:29	Matrix Spike Duplicate
ZZZZZZ	2V92984.D	09/29/22	15:25	05:52	(unrelated sample)
ZZZZZZ	2V92985.D	09/29/22	15:50	06:17	(unrelated sample)
ZZZZZZ	2V92986.D	09/29/22	16:12	06:39	(unrelated sample)
JD52537-1	2V92987.D	09/29/22	16:35	07:02	MW-45
JD52537-7	2V92988.D	09/29/22	16:59	07:26	MW-66
JD52537-9	2V92989.D	09/29/22	17:22	07:49	MW-58
ZZZZZZ	2V92990.D	09/29/22	17:45	08:12	(unrelated sample)
ZZZZZZ	2V92991.D	09/29/22	18:08	08:35	(unrelated sample)
ZZZZZZ	2V92992.D	09/29/22	18:32	08:59	(unrelated sample)
ZZZZZZ	2V92993.D	09/29/22	18:55	09:22	(unrelated sample)
ZZZZZZ	2V92994.D	09/29/22	19:18	09:45	(unrelated sample)
ZZZZZZ	2V92995.D	09/29/22	19:41	10:08	(unrelated sample)
ZZZZZZ	2V92996.D	09/29/22	20:05	10:32	(unrelated sample)

6.6.4
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Continuing Calibration Summary

Job Number: JD52537

Sample: V2A9579-CC9511

Account: CARRIER Carrier

Lab FileID: 2A220341.D

Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\An...22\v2a9579\2a220341.d Vial: 2
 Acq On : 28 Sep 2022 9:08 am Operator: nicoleh
 Sample : cc9511-20 Inst : GCMS2A
 Misc : MS62409,V2A9579,5,,,,1 Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2A9511.M (RTE Integrator)
 Title : Method SW846 8260D, ZB624.1 60m x 0.25mm xFri May Mon Aug 01 15:13:00 2022
 Last Update : Mon Sep 13 11:48:20 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	79	0.00	7.25
2	ethanol	0.122	0.100	18.0	67	0.00	5.97
3	tertiary butyl alcohol	1.228	1.283	-4.5	87	0.00	7.37
4	1,4-dioxane	0.086	0.088	-2.3	82	0.00	11.09
5 I	pentafluorobenzene	1.000	1.000	0.0	87	0.00	9.52
6	chlorodifluoromethane	0.682	0.577	15.4	77	0.00	3.99
7	dichlorodifluoromethane	0.672	0.522	22.3#	68	0.00	3.96
8	chloromethane	0.869	0.640	26.4#	69	0.00	4.35
9	vinyl chloride	0.665	0.527	20.8#	72	0.00	4.57
10	1,3-butadiene	0.592	0.327	44.8#	50	0.00	4.63
11	bromomethane	0.392	0.343	12.5	83	0.00	5.20
12	chloroethane	0.315	0.286	9.2	82	0.00	5.36
13	trichlorofluoromethane	0.745	0.632	15.2	74	0.01	5.80
14	ethyl ether	0.237	0.227	4.2	86	0.00	6.20
15	acrolein	0.106	0.102	3.8	91	0.00	6.41
16	freon 113	0.354	0.327	7.6	86	0.01	6.63
17	1,1-dichloroethene	0.371	0.334	10.0	83	0.00	6.61
18	acetone	0.192	0.168	12.5	81	0.00	6.61
19	acetonitrile	0.079	0.068	13.9	78	0.01	7.03
20	iodomethane	0.724	0.675	6.8	85	0.00	6.85
21	carbon disulfide	1.229	1.170	4.8	87	0.00	6.99
22	methylene chloride	0.440	0.404	8.2	88	0.00	7.31
23	methyl acetate	0.479	0.414	13.6	77	0.00	7.07
24	methyl tert butyl ether	1.323	1.202	9.1	84	0.00	7.67
25	trans-1,2-dichloroethene	0.420	0.378	10.0	84	0.00	7.69
26	hexane	0.747	0.709	5.1	86	0.00	8.05
27	di-isopropyl ether	1.831	1.712	6.5	84	0.00	8.26
28	ethyl tert-butyl ether	1.594	1.535	3.7	87	0.00	8.71
29	2-butanone	0.052	0.053	-1.9	93	0.00	8.91
30	1,1-dichloroethane	0.822	0.752	8.5	84	0.00	8.26
31	chloroprene	0.781	0.680	12.9	77	0.00	8.37
32	acrylonitrile	0.212	0.199	6.1	83	0.00	7.59
33	vinyl acetate	0.078	0.086	-10.3	99	0.00	8.20
34	ethyl acetate	0.096	0.085	11.5	81	0.00	8.92
35	2,2-dichloropropane	0.657	0.615	6.4	90	0.00	9.00
36	cis-1,2-dichloroethene	0.462	0.437	5.4	89	0.00	8.98
37	propionitrile	0.079	0.078	1.3	88	0.00	8.98
38	bromochloromethane	0.307	0.289	5.9	85	0.00	9.26
39	tetrahydrofuran	0.219	0.170	22.4#	75	0.00	9.29
40	chloroform	0.854	0.742	13.1	83	0.00	9.35
41	tert-butyl formate	0.415	0.372	10.4	78	0.00	9.39

Continuing Calibration Summary

Job Number: JD52537
 Account: CARRIER Carrier
 Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Sample: V2V3776-CC3747
 Lab FileID: 2V92970.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\An...022\v2v3776\2v92970.d Vial: 2
 Acq On : 29 Sep 2022 9:33 am Operator: KYLEM
 Sample : cc3747-20 Inst : MS2V
 Misc : MS62512,V2V3776,5,,,,,1 Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2V3747.M (RTE Integrator)
 Title : SW 846 Method 8260C/D, Rxi-624 (30m x 0.25mm x 1.4um)
 Last Update : Mon Sep 12 11:37:13 2022
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	87	0.00	2.32
2	ethanol	0.102	0.194	-90.2#	171	0.00	1.88
3	tertiary butyl alcohol	1.558	1.419	8.9	83	0.00	2.36
4	1,4-dioxane	0.128	0.126	1.6	82	0.00	4.10
5 I	pentafluorobenzene	1.000	1.000	0.0	71	0.00	3.29
6	chlorodifluoromethane	0.467	0.365	21.8#	60	0.00	1.29
7	dichlorodifluoromethane	0.559	0.443	20.8#	58	0.00	1.28
8	chloromethane	0.211	0.172	18.5	65	0.00	1.40
9	vinyl chloride	0.685	0.605	11.7	67	0.01	1.46
10	bromomethane	0.476	0.536	-12.6	85	0.01	1.64
11	chloroethane	0.411	0.438	-6.6	78	0.01	1.69
12	trichlorofluoromethane	1.014	1.378	-35.9#	111	0.01	1.83
13	1,3-butadiene	0.628	0.494	21.3#	61	0.01	1.48
14	ethyl ether	0.240	0.394	-64.2#	124	0.00	1.96
15	acrolein	0.106	0.213	-100.9#	150	0.00	2.03
16	freon 113	0.402	0.355	11.7	68	0.00	2.09
17	1,1-dichloroethene	0.609	0.547	10.2	70	0.00	2.10
18	acetone	0.064	0.070	-9.4	84	0.00	2.10
19	acetonitrile	0.083	0.095	-14.5	87	0.00	2.24
----- True Calc. % Drift -----							
20	iodomethane	20.000	11.441	42.8#	40	0.00	2.18
----- AvgRF CCRF % Dev -----							
21	carbon disulfide	1.113	0.874	21.5#	62	0.00	2.23
22	methylene chloride	0.454	0.388	14.5	69	0.00	2.35
23	methyl acetate	0.116	0.109	6.0	72	0.00	2.26
24	methyl tert butyl ether	1.232	1.164	5.5	72	0.00	2.48
25	trans-1,2-dichloroethene	0.430	0.381	11.4	68	0.00	2.49
26	hexane	0.238	0.197	17.2	66	0.00	2.63
27	di-isopropyl ether	1.218	1.198	1.6	74	0.00	2.71
28	ethyl tert-butyl ether	1.211	1.115	7.9	69	0.00	2.91
29	1,1-dichloroethane	0.736	0.673	8.6	70	0.00	2.72
30	chloroprene	0.550	0.496	9.8	68	0.00	2.76
31	acrylonitrile	0.226	0.250	-10.6	80	0.00	2.45
32	vinyl acetate	0.100	0.093	7.0	73	0.00	2.70
33	ethyl acetate	0.108	0.112	-3.7	78	0.00	3.01
34	2-butanone	0.087	0.095	-9.2	79	0.00	3.00
35	2,2-dichloropropane	0.649	0.601	7.4	73	0.00	3.03
36	cis-1,2-dichloroethene	0.497	0.467	6.0	72	0.00	3.03
37	propionitrile	0.101	0.115	-13.9	84	0.00	3.03

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Continuing Calibration Summary

Job Number: JD52537

Sample: V2V3776-CC3747

Account: CARRIER Carrier

Lab FileID: 2V92970.D

Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

38		methyl acrylate	0.116	0.111	4.3	74	0.00	3.04
39		bromochloromethane	0.260	0.248	4.6	67	0.00	3.16
40		tetrahydrofuran	0.106	0.102	3.8	76	0.00	3.17
41		chloroform	0.890	0.762	14.4	70	0.00	3.20
42	S	dibromofluoromethane (s)	0.499	0.507	-1.6	72	0.00	3.29
43		methacrylonitrile	0.247	0.253	-2.4	75	0.00	3.12
44		1,1,1-trichloroethane	0.755	0.647	14.3	67	0.00	3.32
45		cyclohexane	0.590	0.451	23.6#	59	0.00	3.37
46		1,1-dichloropropene	0.590	0.535	9.3	70	0.00	3.41
47		carbon tetrachloride	0.698	0.576	17.5	64	0.00	3.41
48		isobutyl alcohol	0.021	0.025	-19.0	84	0.00	3.40
49		tert-amyl alcohol	0.044	0.043	2.3	73	0.00	3.48
50	I	1,4-difluorobenzene	1.000	1.000	0.0	75	0.00	3.75
51	S	1,2-dichloroethane-d4 (s)	0.355	0.342	3.7	73	0.00	3.50
52		n-butyl alcohol	0.018	0.020	-11.1	85	0.00	3.79
53		benzene	1.200	1.046	12.8	70	0.00	3.53
54		tert-amyl methyl ether	0.940	0.851	9.5	72	0.00	3.57
55		iso-octane	0.640	0.564	11.9	71	0.00	3.58
56		heptane	0.124	0.107	13.7	69	0.00	3.67
57		isopropyl acetate	0.097	0.094	3.1	75	0.00	3.50
58		1,2-dichloroethane	0.500	0.441	11.8	71	0.00	3.54
59		trichloroethene	0.355	0.297	16.3	69	0.00	3.91
60		ethyl acrylate	0.558	0.537	3.8	77	0.00	3.93
61		2-nitropropane	0.148	0.137	7.4	78	0.00	4.36
62		2-chloroethyl vinyl ether	0.188	0.196	-4.3	78	0.00	4.39
63		methyl methacrylate	0.122	0.112	8.2	74	0.00	4.07
64		1,2-dichloropropane	0.314	0.286	8.9	75	0.00	4.07
65		methylcyclohexane	0.442	0.359	18.8	67	0.00	4.07
66		dibromomethane	0.275	0.245	10.9	73	0.00	4.12
67		bromodichloromethane	0.483	0.409	15.3	70	0.00	4.22
68		epichlorohydrin	0.052	0.052	0.0	78	0.00	4.43
69		cis-1,3-dichloropropene	0.503	0.459	8.7	72	0.00	4.51
70		4-methyl-2-pentanone	0.188	0.195	-3.7	80	0.00	4.59
71		3-methyl-1-butanol	0.018	0.019	-5.6	77	0.00	4.61
72	I	chlorobenzene-d5	1.000	1.000	0.0	75	0.00	5.73
73	S	toluene-d8 (s)	1.231	1.243	-1.0	76	0.00	4.70
74		toluene	0.839	0.722	13.9	71	0.00	4.74
75		ethyl methacrylate	0.487	0.473	2.9	75	0.00	4.91
76		trans-1,3-dichloropropene	0.500	0.466	6.8	72	0.00	4.89
77		1,1,2-trichloroethane	0.291	0.279	4.1	76	0.00	5.02
78		2-hexanone	0.213	0.224	-5.2	80	0.00	5.16
79		tetrachloroethene	0.325	0.283	12.9	71	0.00	5.11
80		1,3-dichloropropane	0.536	0.507	5.4	75	0.00	5.15
81		butyl acetate	0.270	0.267	1.1	77	0.00	5.24
82		dibromochloromethane	0.457	0.404	11.6	70	0.00	5.30
83		1,2-dibromoethane	0.408	0.381	6.6	74	0.00	5.40
84		n-butyl ether	1.197	1.102	7.9	71	0.00	5.81
85		chlorobenzene	1.010	0.879	13.0	70	0.00	5.76
86		1,1,1,2-tetrachloroethane	0.395	0.352	10.9	69	0.00	5.82
87		ethylbenzene	1.586	1.384	12.7	71	0.00	5.82
88		m,p-xylene	0.615	0.530	13.8	70	0.00	5.92
89		o-xylene	1.216	1.064	12.5	70	0.00	6.22
90		styrene	1.009	0.896	11.2	69	0.00	6.23
91		butyl acrylate	0.300	0.305	-1.7	74	0.00	6.15
92		n-amyl acetate	0.267	0.259	3.0	74	0.00	6.33
93		bromoform	0.338	0.299	11.5	67	0.00	6.37
94		isopropylbenzene	1.443	1.260	12.7	70	0.00	6.50
95		cis-1,4-dichloro-2-butene	0.169	0.131	22.5#	60	0.00	6.54

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APPENDIX C

HISTORICAL GROUNDWATER ANALYTICAL DATA

**(Appendix D and Appendix F of the EnSafe Corrective Measures
Update Site-wide Groundwater Monitoring Report - June 2015 and
AECOM Data from April 2016 to September 2022)**

Appendix D
Groundwater Analytical Results Historical Summary
Carrier Thompson Rd. Facility
Page 2 of 11

Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloroform	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE	cis-1,2-DCE	1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE	
			µg/L 50 G	µg/L 1	µg/L 50 G	µg/L 7	µg/L 5	µg/L 0.6	µg/L 0.7 G	µg/L N/A	µg/L 5	µg/L 5	µg/L 5	µg/L 1	µg/L N/A	µg/L 5	µg/L 5 G	µg/L 2	µg/L N/A	
NYSDEC Standard																				
MW-03D	MW-3D	12/31/1985	NA	NA	ND	ND	ND	ND	ND	NA	39	NA	ND	ND	ND	ND	ND	ND	ND	
	MW-3D	2/8/1990	NA	ND	NA	NA	ND	ND	ND	NA	ND	21	NA	ND	NA	ND	NA	ND	NA	
	MW-3D	6/5/1990	NA	ND	NA	NA	ND	ND	ND	NA	240	NA	NA	ND	NA	ND	NA	ND	NA	
	MW-3D	5/22/1991	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA	
	MW-3D	2/5/1992	NA	ND	NA	NA	22	ND	3	NA	ND	NA	NA	ND	NA	ND	NA	44	NA	
	MW-3D	8/10/1992	NA	ND	NA	NA	100	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	450	NA	
	MW-3D	2/22/1993	NA	ND	NA	NA	14	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	29	NA	
	MW-3D	8/23/1993	NA	ND	NA	NA	76	ND	ND	NA	NA	NA	NA	ND	NA	ND	NA	97	NA	
	MW-3D	5/2/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	26	NA	ND	NA	ND	NA	ND	NA	
	MW-3D	8/25/1994	NA	ND	NA	NA	5	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	12	NA	
	MW-3D	2/15/1995	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	11	NA	ND	NA	ND	NA	ND	
	MW-3D	8/21/1995	NA	ND	NA	NA	ND	ND	ND	NA	ND	21	NA	ND	NA	ND	NA	ND	NA	
	MW-3D	2/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	25	NA	ND	NA	ND	NA	ND	NA	
	MW-3D	8/9/1996	NA	ND	NA	NA	4	ND	ND	NA	NA	ND	140	NA	ND	NA	ND	NA	5	NA
	MW-3D	2/6/1997	NA	ND	NA	NA	ND	ND	ND	NA	ND	17	NA	ND	NA	ND	NA	ND	NA	
	MW-3D	8/22/1997	NA	ND	NA	NA	ND	ND	ND	NA	ND	8	NA	ND	NA	ND	NA	ND	NA	
	MW-3D	2/17/1998	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	13	NA	ND	NA	ND	NA	ND	
	MW-3D	8/31/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	10	NA	ND	NA	ND	NA	ND	NA	
	MW-3D	3/4/1999	NA	ND	NA	NA	ND	ND	ND	NA	ND	13	NA	ND	NA	ND	NA	ND	NA	
	MW-3D	8/27/1999	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	14	NA	ND	NA	ND	NA	ND	
	MW-3D	3/2/2000	NA	ND	NA	NA	ND	ND	ND	NA	ND	11	NA	ND	NA	ND	NA	ND	NA	
		CARGW03D03	5/2/2000	ND	ND	ND	ND	ND	ND	7	NA	NA	NA	ND	ND	ND	ND	ND	1.1 J	ND
		MW-3D	8/15/2000	NA	ND	NA	NA	ND	ND	NA	NA	ND	19	NA	ND	NA	ND	NA	ND	NA
		CARGMW3D04	7/12/2001	ND	ND	ND	ND	0.72 J	ND	ND	NA	1.2 J	23.2	ND	ND	ND	ND	ND	ND	ND
	(Duplicate)	MW-3D	7/12/2001	NA	ND	NA	NA	0.72	ND	ND	NA	1.2	23.2	NA	ND	NA	ND	NA	ND	NA
	MW-3D	12/18/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	12	NA	ND	NA	ND	NA	ND	NA	
	CARGMW3D05	6/25/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	6.2	ND	ND	ND	ND	ND	ND	ND	
	CARGMW3D05	6/25/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	4.8	ND	ND	ND	ND	ND	ND	ND	
(Duplicate)	CARHMMW3D05	6/25/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	4.7	ND	ND	ND	ND	ND	ND	ND	
	CARHMMW3D06	6/21/2004	ND	ND	ND	ND	ND	ND	NA	ND	14.4	ND	ND	ND	ND	ND	ND	ND	ND	
	CARGMW3D06	7/12/2005	ND	ND	ND	ND	0.38 J	ND	ND	NA	ND	12.7	ND	ND	ND	ND	ND	0.70 J	ND	
	CARGMW3D07	11/7/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	8.7	ND	ND	ND	ND	ND	ND	ND	
	CARGMW3D08	2/12/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	9.4	ND	ND	ND	ND	ND	ND	ND	
	CARGMW3D09	5/8/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	5.5	ND	ND	ND	ND	ND	ND	ND	
	CARGMW3010	8/21/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	5	ND	ND	ND	ND	ND	0.77 J	ND	
	ENSTHMPMW3D0609	6/29/2009	ND	ND	ND	ND	0.49 J	ND	ND	NA	ND	14.7	ND	ND	ND	ND	ND	2.0	ND	
	CARGMW3D0610	6/30/2010	ND	ND	ND	ND	0.43 J	ND	ND	NA	ND	15.2	ND	ND	ND	ND	ND	1.6	ND	
(Duplicate)	CARHMMW3D0610	6/30/2010	ND	ND	ND	ND	0.75 J	ND	ND	NA	0.40 J	24.2	ND	ND	ND	ND	ND	2.8	ND	
	CARGMW3D0611	6/28/2011	ND	ND	ND	ND	ND	ND	ND	NA	ND	6.8	ND	ND	ND	ND	ND	ND	ND	
	CARGMW3D0812	8/15/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	13.7	ND	ND	ND	ND	ND	ND	ND	
(Duplicate)	CARHMMW3D0812	8/15/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	10.4	ND	ND	ND	ND	ND	ND	ND	
	CARGMW03D0613	6/11/2013	ND	ND	ND	ND	1.5 J	ND	ND	NA	3.9	38	ND	ND	ND	ND	ND	2.3 J	ND	
	MW03DWG063014	06/30/2014	ND	ND	ND	ND	1.3	ND	ND	NA	ND	41	ND	ND	ND	ND	ND	0.48 J	ND	
	MW3DWG061915	06/19/2015	0.97 JB	ND	ND	ND	1.1	ND	ND	ND	ND	34	ND	ND	ND	ND	ND	ND	ND	

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Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloroform	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE	cis-1,2-DCE	1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE		
			µg/L 50 G	µg/L 1	µg/L 50 G	µg/L 7	µg/L 5	µg/L 0.6	µg/L 0.7 G	µg/L N/A	µg/L 5	µg/L 5	µg/L 5	µg/L 1	µg/L N/A	µg/L 5	µg/L 5 G	µg/L 2	µg/L N/A		
NYSDEC Standard																					
MW-03S	MW-3S	12/31/1985	NA	NA	ND	ND	78	ND	15	NA	982	NA	ND	ND	ND	ND	ND	ND	ND	ND	
	MW-3S	2/8/1990	NA	ND	NA	NA	ND	ND	ND	NA	ND	32,000	NA	ND	NA	ND	NA	ND	NA	NA	
	MW-3S	6/5/1990	NA	ND	NA	NA	400	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	1,000	NA	NA	
	(Duplicate)	MW-3S	11/16/1990	NA	NA	ND	NA	490	7.6	100	NA	6.4	NA	17	9.5	ND	11	ND	1,600	ND	ND
		MW-3S (DUP)	11/16/1990	NA	NA	ND	NA	1,100	12	250	NA	12	NA	ND	10	ND	15	ND	1,200	ND	ND
	MW-3S	5/22/1991	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	2,500	NA	NA	
	MW-3S	2/5/1992	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA	NA	
	MW-3S	8/10/1992	NA	ND	NA	NA	370	ND	90	NA	NA	ND	NA	NA	ND	NA	ND	NA	1,100	NA	NA
	MW-3S	2/22/1993	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	2,000	NA	NA	
	MW-3S	8/23/1993	NA	ND	NA	NA	660	ND	ND	NA	ND	NR	NA	ND	NA	ND	NA	1,000	NA	NA	
	MW-3S	5/2/1994	NA	ND	NA	NA	630	ND	ND	NA	ND	14,000	NA	ND	NA	ND	NA	1,700	NA	NA	
	MW-3S	8/25/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	800	NA	NA	
	MW-3S	2/15/1995	NA	ND	NA	NA	380	ND	ND	NA	ND	1,400	NA	ND	NA	ND	NA	790	NA	NA	
	MW-3S	8/21/1995	NA		NA	NA	ND	ND	ND	NA	ND	11,000	NA	ND	NA	ND	NA	370	NA	NA	
	MW-3S	2/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	11,000	NA	ND	NA	ND	NA	650	NA	NA	
	MW-3S	8/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	11,000	NA	ND	NA	ND	NA	ND	NA	NA	
	MW-3S	2/6/1997	NA	ND	NA	NA	ND	ND	70	NA	7	9,300	NA	5	NA	7	NA	750	NA	NA	
	MW-3S	8/22/1997	NA	ND	NA	NA	200	ND	60	NA	6	8,500	NA	4	NA	6	NA	660	NA	NA	
	MW-3S	2/17/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	9,200	NA	ND	NA	ND	NA	1,400	NA	NA	
	MW-3S	8/31/1998	NA	ND	NA	NA	270	ND	68	NA	8	11,000	NA	5	NA	8	NA	1,300	NA	NA	
	MW-3S	3/4/1999	NA	ND	NA	NA	200	ND	ND	NA	ND	8,000	NA	ND	NA	ND	NA	550	NA	NA	
	MW-3S	8/27/1999	NA	ND	NA	NA	180	ND	ND	NA	ND	6,500	NA	ND	NA	ND	NA	440	NA	NA	
	MW-3S	3/2/2000	NA	ND	NA	NA	200	ND	ND	NA	ND	6,400	NA	ND	NA	ND	NA	940	NA	NA	
	(Duplicate)	CARGMW3S03	4/20/2000	ND	ND	ND	ND	240	1.8 J	60	8,100	NA	NA	ND	3.7 J	ND	4.6 J	ND	1,100	ND	ND
		MW-3S	8/15/2000	NA	ND	NA	NA	190	ND	ND	NA	ND	6,500	NA	ND	NA	ND	NA	490	NA	NA
	(Duplicate)	CARGMW3S04	7/12/2001	ND	ND	ND	ND	164	ND	38.3 J	NA	13.9 J	5,780	NA	ND	NA	ND	NA	567	ND	ND
		MW-3S	7/12/2001	NA	ND	NA	NA	164	ND	38.3	NA	13.9	5,780	NA	ND	NA	ND	NA	567	NA	NA
(Duplicate)	MW-3S	12/18/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	3,700	NA	ND	NA	ND	NA	ND	NA	NA	
	CARGMW3S05	6/25/2002	ND	ND	ND	ND	163	ND	34	NA	ND	5,410 E	ND	ND	ND	2.6 J	ND	746	ND	ND	
(Duplicate)	CARGMW3S05	6/25/2002	ND	ND	ND	ND	159	ND	34	NA	ND	5,320 E	ND	ND	ND	2.2 J	ND	739	ND	ND	
	CARGMW3S05	6/23/2003	ND	ND	ND	ND	144	ND	29	NA	9.7 J	6,450 D	ND	ND	ND	ND	ND	621	18.4 J	ND	
(Duplicate)	CARGMW3S06	6/21/2004	ND	ND	ND	ND	136	ND	25.9	NA	ND	5,260 D	ND	ND	ND	ND	ND	808	ND	ND	
	CARGMW3S	7/12/2005	ND	ND	ND	ND	77.4	ND	17.7	NA	5.0 J	2,940	ND	ND	ND	3.7 J	ND	330	ND	ND	
(Duplicate)	CARGDUP1	7/12/2005	ND	ND	ND	ND	74.9	ND	15.5	NA	4.9 J	2,930	ND	ND	ND	ND	ND	311	ND	ND	
	CARGMW3S07	11/7/2006	ND	ND	ND	ND	65.5	ND	13.7	NA	4.3 J	1,900 ^a	ND	ND	ND	ND	ND	244	ND	ND	
(Duplicate)	CARGMW3S08	2/12/2007	ND	ND	ND	ND	47.8	ND	11.7	NA	11.3	1,420 ^a	ND	ND	ND	1.9 J	ND	154	ND	ND	
	CARGMW3S09	5/8/2007	ND	ND	ND	ND	59.6	ND	15.0	NA	9.0	2,130 ^a	ND	ND	ND	2.4 J	ND	221	ND	ND	
(Duplicate)	CARGMW3510	8/21/2007	ND	ND	ND	ND	45.1	ND	ND	NA	ND	1,940	ND	ND	ND	ND	ND	188	ND	ND	
	ENSTHMPMW3S0609	6/29/2009	ND	ND	ND	ND	35.2	ND	9.4 J	NA	ND	1,450	ND	ND	ND	ND	ND	154	ND	ND	
(Duplicate)	CARGMW3S0610	6/30/2010	ND	ND	ND	ND	57.4	ND	17.1	NA	26.8	2,040	ND	ND	ND	2.0	ND	197	ND	ND	
	CARGMW3S0611	6/28/2011	ND	ND	ND	ND	59.3	ND	14.3	NA	26.5	1,970 ^a	ND	ND	ND	2.1	ND	168	ND	ND	
(Duplicate)	CARGMW3S0612	6/13/2012	ND	ND	ND	ND	27.1	ND	6.7	NA	3.3	965 ^a	ND	ND	ND	1.0	ND	83.5	ND	ND	
	CARGMW3S0812	8/14/2012	ND	ND	ND	ND	26.3	ND	6.5	NA	ND	833 ^a	ND	ND	ND	ND	ND	104	ND	ND	
(Duplicate)	CARGMW03S0613	6/11/2013	ND	ND	ND	ND	27	ND	5.4 J	NA	ND	1000 ^B	ND	ND	ND	ND	ND	96	ND	ND	
	MW03SWG063014	06/30/2014	650	ND	ND	ND	11	ND	2.4 J	NA	ND	390	ND	ND	ND	ND	ND	29	ND	ND	
(Duplicate)	MW03SWG061915	06/19/2015	57 JB	ND	ND	ND	14 J	ND	ND	ND	ND	580	ND	ND	ND	ND	ND	48	ND	ND	

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Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloroform	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE	cis-1,2-DCE	1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE	
			µg/L 50 G	µg/L 1	µg/L 50 G	µg/L 7	µg/L 5	µg/L 0.6	µg/L 0.7 G	µg/L 5	µg/L 5	µg/L N/A	µg/L 5	µg/L 5	µg/L 5	µg/L 1	µg/L N/A	µg/L 5	µg/L 5 G	µg/L 2
NYSDEC Standard																				
MW-09 (Duplicate)	MW-9	11/16/1990	NA	NA	ND	NA	2.4	1.6	ND	NA	ND	NA	8.8	ND	ND	2.8	ND	ND	ND	
	CARGMW0903	4/18/2000	ND	ND	ND	ND	1.9 J	ND	ND	2.9 J	ND	ND	3.7 J	ND	ND	4.4 J	ND	ND	ND	
	CARGMW0904	7/10/2001	ND	ND	ND	ND	2.4 J	ND	ND	4.51 J	0.61 J	3.9 J	6.6	ND	ND	6.2	ND	ND	ND	
	CARGMW0905	6/25/2002	ND	ND	ND	ND	1.9 J	ND	ND	NA	ND	3.3 J	5.9	ND	ND	6.6	ND	ND	ND	
	CARGMW0905	6/25/2003	ND	ND	ND	ND	2	ND	ND	NA	ND	3.7	7.1	ND	ND	7.1	ND	ND	ND	
	CARGMW0906	6/21/2004	ND	ND	ND	ND	1.5	ND	ND	NA	ND	2.8	5.8	ND	ND	8.3	0.57 J	ND	ND	
	CARHMMW0906	6/21/2004	ND	ND	ND	ND	1.5	ND	ND	NA	ND	2.7	5.6	ND	ND	8	0.55 J	ND	ND	
	CARGMW0906	7/11/2005	ND	ND	ND	0.25 J	1.8	ND	ND	NA	ND	3.2	7.1	ND	ND	9.1	0.67 J	ND	ND	
	CARGMW0907	11/7/2006	ND	ND	ND	ND	2	ND	ND	NA	ND	2.9	8.1	ND	ND	8.5	0.39 J	ND	ND	
	CARGMW0908	2/12/2007	ND	ND	ND	ND	0.91	ND	ND	NA	ND	1.2	2.9	ND	ND	3.8	ND	ND	ND	
	CARGMW0909	5/8/2007	ND	ND	ND	ND	1.1	ND	ND	NA	ND	1.3	2.8	ND	ND	4.6	0.32 J	ND	ND	
	CARGMW0910	8/21/2007	ND	ND	ND	ND	2.1	ND	ND	NA	ND	2.3	6.4	ND	ND	7.9	ND	ND	ND	
	ENSTHMPMW090609	6/28/2009	ND	ND	ND	ND	0.89 J	ND	ND	NA	ND	0.79 J	2.5	ND	ND	4.2	ND	ND	ND	
	CARGMW090610	6/30/2010	ND	ND	ND	ND	1.3	ND	ND	NA	ND	1.1	2.5	ND	ND	4.9	ND	ND	ND	
	CARGMW090611	6/28/2011	ND	ND	ND	ND	0.80 J	ND	ND	NA	ND	0.47 J	1.6	ND	ND	3.6	ND	ND	ND	
	CARGMW090612	6/13/2012	ND	ND	ND	ND	0.94	ND	ND	NA	ND	0.67	1.4	ND	ND	3.4	ND	ND	ND	
	CARGMW090812	8/15/2012	ND	ND	ND	ND	1.5	ND	ND	NA	ND	1.6	3.3	ND	ND	5.1	ND	ND	ND	
CARGMW090613	6/11/2013	ND	ND	ND	ND	0.63 J	ND	0.20 J	NA	ND	0.58 J	1.7	ND	ND	3.1	0.60 J	ND	ND		
MW9WG063014	06/30/2014	ND	ND	ND	ND	0.82 J	ND	ND	NA	ND	0.43 J	0.65 J	ND	ND	2.7	ND	ND	ND		
MW09WG	06/17/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.72 J	ND	ND	2.8	ND	ND	ND		
MW-10 (Duplicate)	CARG990101	4/25/1999	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	CARGW99103	4/19/2000	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	
	CARG990104	7/11/2001	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	CARGMW1005	6/24/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	CARGMW1005	6/26/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	CARGMW1006	6/21/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	CARGMW1006	7/12/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	CARGMW1007	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	CARGMW1008	2/12/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	CARHMMW1008	2/12/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	CARGMW1009	5/8/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	CARGMW1010	8/21/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ENSTHMPMW100609	6/28/2009	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	CARGMW100610	6/29/2010	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	CARGMW100612	6/14/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	0.71	
	CARGMW100812	8/14/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	4.4	
	CARGMW100613	6/12/2013	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	0.37 J	ND	ND	0.17 J	ND	ND	0.88 J	
MW10WG062714	06/27/2014	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	4.5		
MW10WG061615	06/16/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
MW-12* (Duplicate)	CARG990301	4/25/1999	6.1	ND	ND	ND	ND	ND	ND	NA	14.1	5.2	ND	ND	ND	2.9	ND	ND	ND	
	CARGW99303	4/18/2000	ND	ND	ND	ND	ND	ND	ND	6.5	NA	NA	ND	ND	ND	1.4	ND	ND	ND	
	CARG9903-04	7/11/2001	26.5	ND	ND	ND	ND	ND	ND	NA	1.9 J	3.9 J	ND	ND	ND	1.1	ND	ND	ND	
	CARGMW1205	6/25/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	CARGMW1205	6/26/2003	ND	ND	ND	ND	ND	ND	ND	NA	4.9	2.7	ND	ND	ND	4.4	ND	ND	ND	
	CARGMW1206	6/23/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	CARGMW1206	7/12/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	0.35 J	ND	ND	ND	0.42 J	ND	ND	ND	
	CARGMW1207	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	CARGMW1208	2/13/2007	ND	ND	ND	ND	ND	ND	ND	NA	0.89 J	0.49 J	ND	ND	ND	ND	ND	ND	ND	
	CARGMW1209	5/8/2007	ND	ND	0.29 J	ND	ND	ND	ND	NA	0.99 J	0.50 J	ND	ND	ND	0.50 J	ND	ND	ND	
	CARGHW1209	5/8/2007	ND	ND	0.29 J	ND	ND	ND	ND	NA	0.84 J	0.50 J	ND	ND	ND	0.43 J	ND	ND	ND	
	CARGMW1210	8/21/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ENSTHMPMW120609	6/28/2009	ND	ND	ND	ND	ND	ND	ND	NA	5.5	2.5	0.45 J	ND	ND	9.0	ND	ND	ND	
	CARGMW120610	6/29/2010	ND	ND	ND	ND	ND	ND	ND	NA	9.7	4.5	0.58 J	ND	ND	12.1	ND	ND	ND	

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Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloroform	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE	cis-1,2-DCE	1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE	
			µg/L 50 G	µg/L 1	µg/L 50 G	µg/L 7	µg/L 5	µg/L 0.6	µg/L 0.7 G	µg/L N/A	µg/L 5	µg/L 5	µg/L 5	µg/L 1	µg/L N/A	µg/L 5	µg/L 5 G	µg/L 2	µg/L N/A	
NYSDEC Standard																				
MW - 13D*	Interval 1 : (8.7-11.8)	10/11/1999	ND	ND	NA	NA	128	NA	17.7 J	NA	ND	2,440	NA	ND	NA	21.8	NA	568	NA	
	Interval 2 : (13.7-16.8)	10/11/1999	ND	ND	NA	NA	247 J	NA	57.9 J	NA	ND	6,940	NA	ND	NA	ND	NA	1,850	NA	
	Interval 3 : (18.7-22)	10/11/1999	NA	NA	NA	NA	230 J	NA	55.9 J	NA	ND	6,520	NA	ND	NA	ND	NA	1,720	NA	
	Interval 4 : (23.6-26.9)	10/11/1999	ND	NA	NA	NA	225 J	ND	51.8 J	NA	ND	6,310	NA	ND	NA	ND	NA	1,580	NA	
	Interval 5 : (28.7-31.8)	10/11/1999	ND	NA	NA	NA	225 J	NA	56 J	NA	ND	6,310	NA	ND	NA	ND	NA	1,670	NA	
	Interval 6 : NS	10/11/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Interval 7 : No Sample	10/11/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Interval 8 : (44.1-47.2)	10/11/1999	NA	NA	NA	NA	138 J	NA	30.2 J	NA	ND	4,290	NA	NA	NA	ND	NA	1,080	NA	
	Interval 9 : (48.7-51.7)	10/11/1999	NA	NA	NA	NA	110 J	NA	24.7 J	NA	ND	3,230	NA	NA	NA	ND	NA	822	NA	
	Interval 10 : (54.2-57)	10/11/1999	NA	NA	NA	NA	82.8 J	NA	18.8 J	NA	ND	2,360	NA	NA	NA	ND	NA	601	NA	
MW - 13D*	Interval 1 : (9-12)	5/2/2000	ND	30 J	NA	NA	160	NA	26	3,900	ND	3,900	NA	1.1 J	NA	36	NA	610	NA	
	Interval 2 : (14-17)	5/2/2000	ND	1.1 J	NA	NA	180	NA	45	6,000	ND	6,000	NA	2.5 J	NA	12	NA	970	NA	
	Interval 3 : (19-22.5)	5/2/2000	NA	NA	NA	NA	160	NA	34	5,200	ND	5,200	NA	2.6 J	NA	7.3	NA	830	NA	
	Interval 4 : (24.1-27)	5/2/2000	4.6 J	NA	NA	NA	160	1.1 J	40	NA	ND	5,500	NA	2.3 J	NA	8.2	NA	690	NA	
	Interval 5 : (29.5-32)	5/2/2000	ND	NA	NA	NA	170	NA	44	5,600	ND	5,600	NA	2.3 J	NA	8.7	NA	880	NA	
	Interval 6 : (34.1-37.1)	5/2/2000	NA	NA	NA	NA	120	NA	29	4,800	ND	4,800	NA	2.0 J	NA	5.7	NA	560	NA	
	Interval 7 : (38.8-42)	5/2/2000	NA	NA	NA	NA	89	NA	20	2,900	ND	2,900	NA	ND	NA	3.9 J	NA	390	NA	
	Interval 8 : (43.2-47)	5/2/2000	NA	NA	NA	NA	61	NA	14	1,900	ND	1,900	NA	NA	NA	2.6 J	NA	280	NA	
	Interval 9 : (48-52.2)	5/2/2000	NA	NA	NA	NA	41	NA	9.6	NA	ND	1,500	NA	NA	NA	2.0 J	NA	190	NA	
	Interval 10 : (54-57)	5/2/2000	NA	NA	NA	NA	13	NA	3.1 J	NA	ND	390	NA	NA	NA	ND	NA	66	NA	
MW - 13D*	Interval 1 : (9-12)	7/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Interval 2 : (14-17)	7/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Interval 3 : (19-22.5)	7/13/2001	NA	NA	NA	NA	137	NA	ND	NA	ND	4,080	NA	ND	NA	ND	NA	500	NA	
	Interval 4 : (24.1-27)	7/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Interval 5 : (29.5-32)	7/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Interval 6 : (34.1-37.1)	7/13/2001	NA	NA	NA	NA	182	NA	ND	NA	ND	6,720	NA	ND	NA	ND	NA	1,090	NA	
	Interval 7 : (38.8-42)	7/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Interval 8 : (43.2-47)	7/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Interval 9 : (48-52.2)	7/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Interval 10 : (54-57)	7/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW - 13D*	Interval 1 : (9-11)	7/13/2001	ND	NA	NA	NA	34.4 J	NA	9.7 J	NA	ND	1,210	NA	NA	NA	NA	NA	199	NA	
	Interval 2 : (14-16)	7/13/2001	ND	ND	NA	NA	32 J	NA	ND	NA	ND	1,160	NA	ND	NA	ND	NA	190	NA	
	Interval 3 : (19-21)	7/13/2001	NA	NA	NA	NA	45.1 J	NA	10.3 J	NA	ND	1,600	NA	ND	NA	ND	NA	230	NA	
	Interval 4 : (24-26)	7/13/2001	ND	NA	NA	NA	69.9 J	ND	ND	NA	ND	2,390	NA	ND	NA	ND	NA	338	NA	
	Interval 5 : (29-31)	7/13/2001	ND	NA	NA	NA	52	NA	112 J	NA	ND	1,730	NA	ND	NA	ND	NA	259	NA	
	Interval 6 : (34-36)	7/13/2001	NA	NA	NA	NA	52.7	NA	11.2 J	NA	ND	1,810	NA	ND	NA	ND	NA	256	NA	
	Interval 7 : (39-40)	7/13/2001	NA	NA	NA	NA	61.1 J	NA	ND	NA	ND	2,070	NA	ND	NA	ND	NA	332	NA	
	Interval 8 : (44-46)	7/13/2001	NA	NA	NA	NA	54.4	NA	11.6 J	NA	ND	1,850	NA	NA	NA	ND	NA	281	NA	
	Interval 9 : (49-50)	7/13/2001	NA	NA	NA	NA	60.4 J	NA	ND	NA	ND	1,950	NA	NA	NA	ND	NA	268	NA	
	Interval 10 : (54-56)	7/13/2001	NA	NA	NA	NA	43.4 J	NA	ND	NA	ND	1,480	NA	NA	NA	ND	NA	219	NA	
MW - 13D*	Interval 1 : (7-10)	8/13/2002	ND	1.4 J	NA	NA	32.6	NA	1.7 J	NA	ND	530	NA	ND	NA	2.4 J	NA	26.9	NA	
	Interval 2 : (12-15)	8/13/2002	66.8	ND	NA	NA	163 J	NA	41.1 J	NA	ND	5,570	NA	ND	NA	ND	NA	680	NA	
	Interval 3 : (17-20)	8/13/2002	NA	NA	NA	NA	174 J	NA	41.8 J	NA	ND	6,170	NA	ND	NA	ND	NA	730	NA	
	Interval 4 : (22-25)	8/13/2002	ND	NA	NA	NA	135 J	ND	ND	NA	ND	5,140	NA	ND	NA	ND	NA	573	NA	
	Interval 5 : (27-30)	8/13/2002	ND	NA	NA	NA	147 J	NA	34.4 J	NA	ND	5,360	NA	ND	NA	ND	NA	607	NA	
	Interval 6 : (32-35)	8/13/2002	NA	NA	NA	NA	149 J	NA	36.2 J	NA	ND	5,350	NA	ND	NA	ND	NA	692	NA	
	Interval 7 : (37-40)	8/13/2002	NA	NA	NA	NA	76.4 J	NA	17.8 J	NA	ND	2,780	NA	ND	NA	ND	NA	337	NA	
	Interval 8 : (42-45)	8/13/2002	NA	NA	NA	NA	69.8 J	NA	16.0 J	NA	ND	2,660	NA	NA	NA	ND	NA	310	NA	
	Interval 9 : (47-50)	8/13/2002	NA	NA	NA	NA	61.4 J	NA	14.3 J	NA	ND	2,340	NA	NA	NA	ND	NA	273	NA	
	Interval 10 : (54-57)	8/13/2002	NA	NA	NA	NA	50.1	NA	10.7 J	NA	ND	1,720	NA	NA	NA	ND	NA	231	NA	

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Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloroform	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE	cis-1,2-DCE	1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE	
			µg/L 50 G	µg/L 1	µg/L 50 G	µg/L 7	µg/L 5	µg/L 0.6	µg/L 0.7 G	µg/L 5	µg/L 5	µg/L 5	µg/L 5	µg/L 1	µg/L N/A	µg/L 5	µg/L 5 G	µg/L 2	µg/L N/A	
NYSDEC Standard																				
MW - 13D* Diffusion Sample	Interval 1 : (7-10)	6/25/2003	11.7	3.8	NA	NA	1.3	NA	ND	NA	ND	60.2	NA	0.46 J	NA	ND	NA	ND	NA	
	Interval 2 : (12-15)	6/25/2003	ND	ND	NA	NA	145	NA	15.4 J	NA	ND	4,610	NA	ND	NA	ND	NA	1,070	NA	
	Interval 3 : (17-20)	6/25/2003	NA	NA	NA	NA	150	NA	ND	NA	ND	5,040	NA	ND	NA	ND	NA	1,090	NA	
	Interval 4 : (22-25)	6/25/2003	ND	NA	NA	NA	140	ND	ND	NA	ND	4,560	NA	ND	NA	ND	NA	1,020	NA	
	Interval 5 : (27-30)	6/25/2003	ND	NA	NA	NA	143	NA	ND	NA	ND	4,870	NA	ND	NA	ND	NA	1,070	NA	
	Interval 6 : (32-35)	6/25/2003	NA	NA	NA	NA	139	NA	22.7 J	NA	ND	4,570	NA	ND	NA	ND	NA	1,050	NA	
	Interval 7 : (37-40)	6/25/2003	NA	NA	NA	NA	70.8	NA	10.5 J	NA	ND	2,320	NA	ND	NA	ND	NA	580	NA	
	Interval 8 : (42-45)	6/25/2003	NA	NA	NA	NA	72 / 72.7	NA	17.4 / 15.7	NA	ND / ND	1,950 / 2,250	NA	NA	NA	ND / ND	NA	631 / 644	NA	
	Interval 9 : (47-50)	6/25/2003	NA	NA	NA	NA	70.3	NA	16.6	NA	4.7 J	2,040	NA	NA	NA	ND	NA	649	NA	
	Interval 10 : (54-57)	6/25/2003	NA	NA	NA	NA	34.6	NA	6.9	NA	ND	1,030	NA	NA	NA	ND	NA	315	NA	
MW - 13D* Diffusion Sample	Interval 1 : (7-10)	6/23/2004	36.9	2.2	NA	NA	.88 J	NA	ND	NA	ND	47.9	NA	ND	NA	ND	NA	ND	NA	
	Interval 2 : (12-15)	6/23/2004	ND	ND	NA	NA	115	NA	31	NA	ND	3,820	NA	ND	NA	ND	NA	579	NA	
	Interval 3 : (17-20)	6/23/2004	NA	NA	NA	NA	127	NA	34.4	NA	ND	4,210	NA	ND	NA	ND	NA	607	NA	
	Interval 4 : (22-25)	6/23/2004	ND	NA	NA	NA	127	ND	34.3	NA	ND	3,860	NA	ND	NA	ND	NA	625	NA	
	Interval 5 : (27-30)	6/23/2004	ND	NA	NA	NA	122	NA	35.9	NA	ND	3,870	NA	ND	NA	ND	NA	657	NA	
	Interval 6 : (32-35)	6/23/2004	NA	NA	NA	NA	127	NA	32.9	NA	ND	3,730	NA	ND	NA	ND	NA	663	NA	
	Interval 7 : (37-40)	6/23/2004	NA	NA	NA	NA	43.7	NA	12.3	NA	ND	1,420	NA	ND	NA	ND	NA	230	NA	
	Interval 8 : (42-45)	6/23/2004	NA	NA	NA	NA	38.3	NA	10.8	NA	ND	1,290	NA	NA	NA	ND	NA	200	NA	
	Interval 9 : (47-50)	6/23/2004	NA	NA	NA	NA	32.1 / 32.3	NA	9 J / 8.5 J	NA	ND / ND	1,100 / 1,100	NA	NA	NA	ND / ND	NA	177 / 179	NA	
	Interval 10 : (54-57)	6/23/2004	NA	NA	NA	NA	20.9	NA	5.5	NA	ND	706	NA	NA	NA	ND	NA	108	NA	
MW - 13D* Diffusion Sample	Interval 1 : (7-10)	7/13/2005	7.5 J	0.9 J	NA	NA	37.9	NA	3.9	NA	1.5	719	NA	ND	NA	2.4	NA	13.8	NA	
	Interval 2 : (12-15)	7/13/2005	ND	ND	NA	NA	102	NA	21.2	NA	27.8	3,560	NA	ND	NA	3.2 J	NA	400	NA	
	Interval 3 : (17-20)	7/13/2005	NA	NA	NA	NA	89.3	NA	18.9	NA	19.3	3,280	NA	ND	NA	3 J	NA	345	NA	
	Interval 4 : (22-25)	7/13/2005	ND	NA	NA	NA	95.7	ND	56 J	NA	22.3	3,420	NA	ND	NA	3.1 J	NA	342	NA	
	Interval 5 : (27-30)	7/13/2005	91.3	NA	NA	NA	ND	NA	18.5	NA	15.9	3,190	NA	ND	NA	2.9 J	NA	330	NA	
	Interval 6 : (32-35)	7/13/2005	NA	NA	NA	NA	49.2	NA	7.2	NA	47	1,580	NA	ND	NA	1.5 J	NA	170	NA	
	Interval 7 : (37-40)	7/13/2005	NA	NA	NA	NA	39.7	NA	5	NA	51.3	1,290	NA	ND	NA	1.2 J	NA	139	NA	
	Interval 8 : (42-45)	7/13/2005	NA	NA	NA	NA	36.2 / 38.2	NA	4.3 / 6.6	NA	59.6 / 18.4	1,140 / 1,230	NA	NA	NA	1.2 J / 1.1 J	NA	130 / 154	NA	
	Interval 9 : (47-50)	7/13/2005	NA	NA	NA	NA	25	NA	99	NA	26.2	923	NA	NA	NA	1.1 J	NA	77.3	NA	
	Interval 10 : (54-57)	7/13/2005	NA	NA	NA	NA	29.6	NA	7	NA	.92 J	728	NA	NA	NA	.93 J	NA	152	NA	
MW-13D* (Diffusion Sample)	Interval 6 : (32-35)	11/9/2006	ND	ND	ND	ND	23.5	ND	5.1	NA	1.6	577 ^a	ND	ND	ND	.75 J	ND	121	ND	
	Interval 7 : (37-40)	11/9/2006	ND	ND	ND	ND	19.4	ND	4.2	NA	1.1	542 ^a	ND	ND	ND	.67 J	ND	106	ND	
	Interval 8 : (42-45)	11/9/2006	ND	ND	ND	ND	17.7	ND	3.9	NA	0.98 J	459 ^a	ND	ND	ND	.59 J	ND	101	ND	
	Interval 9 : (47-50)	11/9/2006	ND	ND	ND	ND	13.5	ND	2.6	NA	1.6 J	390	ND	ND	ND	ND	ND	80.3	ND	
	Interval 10 : (54-57)	11/9/2006	ND	ND	ND	ND	7.9	ND	1.4 J	NA	ND	219	ND	ND	ND	ND	ND	48	ND	
MW-13D* (Diffusion Sample)	Interval 6 : (32-35)	2/12/2007	ND	ND	ND	ND	13.1	ND	3.7	NA	ND	412 ^a	ND	ND	ND	ND	ND	87.2	ND	
	Interval 7 : (37-40)	2/12/2007	ND	ND	ND	ND	10.1	ND	3.1	NA	0.84 J	286 ^a	ND	ND	ND	0.39 J	ND	71	ND	
	Interval 8 : (42-45)	2/12/2007	ND	ND	ND	ND	10.1	ND	3	NA	0.75 J	290 ^a	ND	ND	ND	0.39 J	ND	71	ND	
	Interval 9 : (47-50)	2/12/2007	ND	ND	ND	ND	7.7	ND	2.2	NA	0.50 J	221 ^a	ND	ND	ND	0.31 J	ND	54.9	ND	
	Interval 10 : (54-57)	2/12/2007	ND	ND	ND	ND	4.4	ND	1	NA	0.44 J	146	ND	ND	ND	ND	ND	26.4	ND	
MW-13D* (Diffusion Sample)	Interval 6 : (32-35)	5/9/2007	3.9 J	ND	ND	ND	10.7	ND	3.1	NA	1.0	342 ^a	ND	ND	ND	0.43 J	ND	105	ND	
	Interval 7 : (37-40)	5/9/2007	ND	ND	ND	ND	7.5	ND	2.1	NA	1.3	227 ^a	ND	ND	ND	ND	ND	73.6	ND	
	Interval 8 : (42-45)	5/9/2007	ND	ND	ND	ND	7.0	ND	2.0	NA	0.82 J	210 ^a	ND	ND	ND	ND	ND	72.9	ND	
	Interval 9 : (47-50)	5/9/2007	4.6 J	ND	ND	ND	5.6	ND	1.5	NA	0.56 J	185	ND	ND	ND	ND	ND	57.5	ND	
	Interval 10 : (54-57)	5/9/2007	ND	ND	ND	ND	3.1	ND	0.96 J	NA	ND	107	ND	ND	ND	ND	ND	36.2	ND	
MW-13D* (Diffusion Sample)	Interval 6 : (32-35)	8/21/2007	ND	ND	ND	ND	33.8	ND	ND	NA	ND	1250	ND	ND	ND	ND	ND	132	ND	
	Interval 7 : (37-40)	8/21/2007	ND	ND	ND	ND	25.7	ND	ND	NA	8.8	992	ND	ND	ND	ND	ND	103	ND	
	Interval 8 : (42-45)	8/21/2007	ND	ND	ND	ND	22.8	ND	ND	NA	3.7 J	917	ND	ND	ND	ND	ND	92.9	ND	
	Interval 9 : (47-50)	8/21/2007	ND	ND	ND	ND	18.8	ND	ND	NA	8.1	724	ND	ND	ND	ND	ND	72.2	ND	
	Interval 10 : (54-57)	8/21/2007	ND	ND	ND	ND	15.5	ND	ND	NA	5.9	590	ND	ND	ND	ND	ND	68.9	ND	

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Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloroform	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE	cis-1,2-DCE	1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE
			µg/L 50 G	µg/L 1	µg/L 50 G	µg/L 7	µg/L 5	µg/L 0.6	µg/L 0.7 G	µg/L N/A	µg/L 5	µg/L 5	µg/L 5	µg/L 1	µg/L N/A	µg/L 5	µg/L 5 G	µg/L 2	µg/L N/A
NYSDEC Standard																			
MW-13D2 Duplicate	ENSTHMPMW13D20609	6/29/2009	ND	ND	ND	ND	ND	ND	ND	NA	ND	0.61 J	ND	ND	ND	ND	ND	ND	ND
	ENSTHMPDUP10609	6/29/2009	ND	ND	ND	ND	ND	ND	ND	NA	ND	0.54 J	ND	ND	ND	ND	ND	ND	ND
	MW-13D2	9/9/2009	ND	ND	ND	ND	ND	ND	ND	NA	ND	1.6	ND	ND	ND	ND	ND	ND	ND
	CARGMW13D20210	2/17/2010	ND	ND	ND	ND	ND	ND	ND	NA	ND	2.4	ND	ND	ND	ND	ND	ND	ND
	CARGMW13D20310	3/24/2010	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW13D20610	6/29/2010	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW13D20612	6/13/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	0.92	ND	ND	ND	ND	ND	ND	ND
	CARGMW13D0812	8/15/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARGMW13D20613	6/13/2013	ND	ND	ND	ND	ND	ND	ND	NA	ND	0.31 J	ND	ND	ND	ND	ND	ND	0.24 J	
MW13D2WG	6/17/2015	1.8 JB	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	0.74 J	
MW-14	CARGMW5S04	7/11/2001	ND	ND	ND	ND	1.2 J	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	5.2
	CARGMW5S05	6/24/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	0.24 J	ND	ND	ND	ND	ND	ND	ND
	CARGMW1405	6/26/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1406	6/22/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	0.80 J
	CARGMW1406	7/13/2005	ND	ND	ND	ND	ND	0.57 J	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	1.8
	CARGMW1407	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1408	2/13/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1409	5/8/2007	ND	ND	ND	ND	ND	0.27 J	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1410	8/22/2007	ND	ND	ND	ND	0.32 J	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	0.71 J
	ENSTHMPMW140609	6/29/2009	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW140611	6/29/2011	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW140612	6/14/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW140812	8/15/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW140613	6/12/2013	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	0.38 J	ND	ND	ND	ND	ND	ND
	MW14WG062714	06/27/2014	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MW14WG061615	06/16/2015	2.7 JB	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-14D (Duplicate)	CARGMW005D	4/28/2000	8.1 J	ND	ND	3.0 J	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
	CARGMW5D04	7/11/2001	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1405	6/25/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARHMMW1405	6/25/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW14D05	6/26/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW14D06	6/22/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW14D06	7/13/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW14D07	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW14D08	2/14/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW14D08	2/14/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW14D09	5/9/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW14010	8/22/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW14D0610	6/29/2010	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW14D0611	6/29/2011	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW14D0612	6/14/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW14D0812	8/15/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARGMW14D0613	6/12/2013	1.8 J	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW14DWG070114	7/1/2014	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW14DWG061615	6/16/2015	4 JB	ND	ND	ND	ND	ND	ND	ND	0.55 J	ND	ND	ND	ND	ND	ND	ND	ND	
MW-15D* (Duplicate)	CARGMW006	4/28/2000	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
	CARG000604	7/11/2001	7.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
	CARH000604	7/11/2001	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW15D05	6/25/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW15D05	6/24/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW15D06	6/23/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW15D	7/12/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGDUP2	7/12/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW15D07	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARHMMW15D07	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARHMMW15D08	2/14/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW15D09	5/9/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW15010	8/22/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ENSTHMPMW15D0609	6/29/2009	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW15D0610	6/29/2010	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND

Appendix D
Groundwater Analytical Results Historical Summary
Carrier Thompson Rd. Facility
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Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloroform	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE	cis-1,2-DCE	1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE
			µg/L 50 G	µg/L 1	µg/L 50 G	µg/L 7	µg/L 5	µg/L 0.6	µg/L 0.7 G	µg/L N/A	µg/L 5	µg/L 5	µg/L 5	µg/L 1	µg/L N/A	µg/L 5	µg/L 5 G	µg/L 2	µg/L N/A
NYSDEC Standard																			
MW-16D	CARGMW00BG	4/27/2000	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW16D04	7/10/2001	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW16D05	6/24/2002	76.8	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW16D05	6/23/2003	19.8	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW16D06	6/23/2004	1,870 D	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW16D	7/12/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW16D07	11/9/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	(Duplicate) CARHMMW16D07	11/9/2006	648 J	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW16D08	2/14/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	CARGMW16D09	5/9/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	(Duplicate) CARHMMW16D09	5/9/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ENSTHMPMW16D0609	6/28/2009	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW16D0610	6/29/2010	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW16D0611	6/28/2011	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW16D0612	6/13/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW16D0812	8/14/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW16D0613	6/12/2013	1.2 J	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW16DWG063014	06/30/2014	1.4 J	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW16DWG061615	06/16/2015	2.2 JB	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW-17	CARG010704	7/13/2001	6	ND	ND	ND	ND	ND	ND	NA	2.5 J	249	ND	ND	ND	42.6	ND	11	ND
	CARGMW1705	6/26/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1705	6/24/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1706	6/23/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1706	7/12/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1707	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1708	2/13/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1709	5/8/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ENSTHMPMW170609	6/29/2009	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW170610	7/1/2010	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW170611	6/29/2011	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW170612	6/14/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW170812	8/14/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW170613	6/12/2013	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MW17WG062714	06/27/2014	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MW17WG061615	06/16/2015	0.97 JB	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MW-18	CARG010804	7/13/2001	ND	ND	ND	ND	ND	ND	ND	NA	29.2 J	7,020	ND	ND	ND	8,760	ND	505
CARGMW1805		6/26/2002	ND	ND	ND	ND	10.6 J	ND	15.4 J	NA	35.7 J	2,770	ND	ND	ND	5,580	ND	233	ND
CARGMW1805		6/24/2003	ND	ND	ND	ND	7.4 J	ND	8.5 J	NA	19.3	2,740	ND	ND	ND	1,840 D	ND	134	ND
CARGMW1806		6/22/2004	24.7	ND	ND	ND	2	ND	ND	NA	ND	4.8	ND	ND	ND	0.42 J	ND	14.9	ND
(Duplicate) CARGMW1806		6/22/2004	26.1	ND	ND	ND	2.1	ND	ND	NA	ND	4.9	ND	ND	ND	0.42 J	ND	15.8	ND
CARGMW1806		7/12/2005	ND	ND	ND	ND	ND	ND	11.0 J	NA	14.5 J	4,530	ND	ND	ND	ND	ND	1,680	ND
CARGMW1807		11/8/2006	ND	ND	ND	ND	ND	ND	21.8	NA	22.3	7,140^a	ND	ND	ND	786	ND	1,420	ND
CARGMW1808		2/13/2007	ND	ND	ND	ND	5.0 J	ND	9.9 J	NA	9.1 J	2,280^a	ND	ND	ND	211	ND	456	ND
CARGMW1809		5/8/2007	ND	ND	ND	ND	3.6 J	ND	7.0	NA	7.4	1,790^a	ND	ND	ND	57.1	ND	776	ND
CARGMW1810		8/22/2007	ND	ND	ND	ND	ND	ND	ND	NA	25.0 J	8,770	ND	ND	ND	ND	ND	2,530	ND
(Duplicate) CARHMMW1810		8/22/2007	ND	ND	ND	ND	ND	ND	ND	NA	25.0 J	8,970	ND	ND	ND	ND	ND	2,610	ND
ENSTHMPMW180609		6/29/2009	ND	ND	ND	ND	ND	ND	0.96 J	NA	1.3	221 a	ND	ND	ND	36.4	ND	4.8	ND
CARGMW180610		6/30/2010	ND	ND	ND	ND	ND	ND	4.2	NA	7.5	789 a	ND	ND	ND	93.1	ND	71.4	ND
CARGMW180611		6/28/2011	ND	ND	ND	ND	0.62 J	ND	4.9	NA	8.2	1,020 a	ND	ND	ND	73.4	ND	89.5	ND
CARGMW180612		6/13/2012	ND	ND	ND	ND	3.4	ND	6.2	NA	10.2	1540 a	ND	ND	ND	194	ND	111.0	ND
CARGMW180812		8/15/2012	ND	ND	ND	ND	3.3	ND	7.5	NA	6.2	1,560 a	ND	ND	ND	241	ND	368	ND
CARGMW180613		6/12/2013	ND	ND	ND	ND	5.5 J	ND	4.8 J	NA	ND	770	7.3 J	ND	ND	250	ND	27	ND
MW18WG062714	06/27/2014	ND	ND	ND	ND	9.8 J	ND	4.5 J	NA	2.9 J	300	6.5 J	ND	ND	370	ND	12	ND	
MW18WG061815	06/18/2015	33 JB	ND	ND	ND	14 J	ND	ND	ND	ND	180	ND	ND	ND	630	ND	ND	ND	

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Groundwater Analytical Results Historical Summary
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Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloroform	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE	cis-1,2-DCE	1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE
			µg/L 50 G	µg/L 1	µg/L 50 G	µg/L 7	µg/L 5	µg/L 0.6	µg/L 0.7 G	µg/L N/A	µg/L 5	µg/L 5	µg/L 5	µg/L 1	µg/L N/A	µg/L 5	µg/L 5 G	µg/L 2	µg/L N/A
NYSDEC Standard																			
MW-19 (Duplicate)	CARGMW1901	6/28/2002	ND	ND	ND	0.32 J	ND	ND	ND	NA	ND	1.2 J	ND	ND	ND	0.71 J	ND	ND	ND
	CARGMW1905	6/25/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARHMMW1905	6/25/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	1.4	ND	ND	ND
	CARGMW1906	6/21/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	1.5	ND	ND	ND
	CARGMW1906	7/11/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	2.4	ND	ND	ND
	CARGMW1907	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	1.2	ND	ND	ND
	CARGMW1908	2/12/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	1.2	ND	ND	ND
	CARGMW1909	5/8/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	1.2	ND	ND	ND
	CARGMW1910	8/21/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	1.7	ND	ND	ND
	CARHMMW1910	8/21/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	1.8	ND	ND	ND
	CARGMW190610	6/30/2010	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	0.79 J	ND	ND	ND
	CARGMW190611	6/29/2011	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	1.2	ND	ND	ND
	CARHMMW190611	6/29/2011	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	1.2	ND	ND	ND
	CARGMW190612	6/14/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	0.87	ND	ND	ND
	CARGMW190812	8/14/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARGMW190613	6/12/2013	ND	ND	ND	0.19 J	ND	ND	ND	NA	ND	ND	0.27 J	ND	ND	ND	0.81 J	ND	ND	ND
MW19WG062714	06/27/2014	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	0.87 J	ND	ND	ND	
MW19WG061815	06/18/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	
MW-20 (Duplicate) (Duplicate)	CARGMW200610	7/1/2010	ND	ND	ND	ND	6,610	ND	1,540	NA	103	5,530	49.1 J	20.5 J	ND	8,710	ND	1,010	ND
	CARGMW200910	9/29/2010	ND	ND	ND	ND	3,290	5.7 J	450	NA	58.8	3,380	34.6	17.5	ND	4,900	7.1 J	467	ND
	CARGMW201210	1/10/2011	ND	ND	ND	ND	5,140	ND	541	NA	99	6,840	53.5	24.8 J	ND	3,870	ND	759	ND
	CARGMW200311	3/31/2011	ND	ND	ND	ND	6,110	12.9 J	589	NA	135	7,490	60.3	37.8	ND	3,010	10.5 J	1,130	ND
	CARGMW200610	6/29/2011	ND	ND	ND	1.1 J	1,880 a	3.6	170	NA	42.4	1,640 a	16.2	11.2	ND	694 a	2.6	349	ND
	CARGMW200612	6/14/2012	ND	ND	ND	1.5	2920 b	4.7	250 a	NA	82.5	1110 a	17.4	15.1	ND	347 a	3.4	418 a	ND
	CARHMMW200612	6/14/2012	ND	ND	ND	ND	2890 a	4.4	253	NA	75.1	1120	17.2	14	ND	374	3	407	ND
	CARGMW200812	8/15/2012	ND	ND	ND	1.5	893 a	ND	153	NA	32.4	487 a	9.2	5.1	ND	243	2.0	285	ND
	CARGMW200613	6/13/2013	ND	ND	ND	ND	180	ND	18	NA	4.8 J	66	ND	ND	ND	33	ND	30	ND
	CARGMW200613	6/13/2013	ND	ND	ND	ND	180	ND	17	NA	5.1 J	65	2.0 J	ND	ND	35	ND	26	ND
MW20WG063014	06/30/2014	ND	ND	ND	0.56 J	86	ND	4.1	NA	0.87 J	13	ND	ND	ND	20	ND	ND	ND	
MW-21	CARGMW210612	6/14/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW210812	8/14/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW210613	6/12/2013	ND	ND	ND	ND	ND	ND	0.35 J	NA	ND	0.53 J	ND	ND	ND	0.8 J	ND	ND	ND
	MW21WG062714	06/27/2014	ND	ND	ND	ND	ND	ND	ND	NA	ND	0.56 J	ND	ND	ND	0.26 J	ND	0.41 J	ND
	MW21WG061615	06/16/2015	0.98 JB	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	4	ND	ND	ND
MW-22D	CARGMW22D0612	6/13/2012	ND	ND	0.31	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW22D0812	8/14/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW22D0613	6/13/2013	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MW22DWG063014	06/30/2014	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MW22DWG061615	06/16/2015	1.7 JB	ND	ND	ND	ND	ND	ND	ND	ND	3.2	ND	ND	ND	ND	ND	ND	ND

G — New York State Guidance Value
ND — Not detected above method detection limits
NA — Not Analyzed
NS — Not Sampled as part of the Site-Wide Monitoring Plan
mg/L — milligrams per liter
µg/L — micrograms per liter
Detections highlighted in **BOLD**
J value indicates concentration is estimated and is below method detection limits.
a indicates diluted sample results.
E indicates concentration exceeds calibration range of the instrument.
* denotes that well has been abandoned

**Groundwater Analytical Results - Detections Only (October 2013 to June 2015)
at Select Non-CO Locations
Carrier Corporation Thompson Road Facility
Syracuse, New York**

Appendix F

Sample Location:	Sample ID:	Sample Date:	Sample Type:	Analyte NYSDEC Groundwater Screening Limit Units	Acetone 50 ug/l	cis-1,2-Dichloroethene 5 ug/l	1,1,1-Trichloroethane 5 ug/l	1,1-Dichloroethane 5 ug/l	Trichloroethene 5 ug/l	TPH DRO (C10-C28) NE ug/l	TPH ORO (C28-C40) NE ug/l	Total PCBs 0.09* ug/l
Former Building TR-1 Investigation												
MW23	MW23WG061915	6/19/2015	Normal	470 JB a	8500 a	190 J a	260 a	660 a	NA	NA	0.28 J a	
MW23	MW23WG062614	6/26/2014	Normal	<220 U	8000 a	190 J a	270 a	660 a	NA	NA	0.091 a	
MW23	TR1VMW23G20131023	10/23/2013	Normal	<220 U*	9600 a	110 J a	280 a	600 a	NA	NA	NA	
MW24	MW24WG061915	6/19/2015	Normal	3.3 JB	55 a	<0.73 U	2.1	2.6	NA	NA	<0.11 U	
MW24	MW24WG062614	6/26/2014	Normal	<220 U	6000 a	<44 U	140 J a	100 J a	NA	NA	<0.036 U	
MW24	TR1VMW24G20131023	10/23/2013	Normal	<110 U*	4600 a	<22 U	130 a	81 J a	NA	NA	NA	
MW26	MW26WG061815	6/18/2015	Normal	<0.94 U	0.81 J	1.5	1.4	5.9 a	NA	NA	<0.098 U	
MW26	MW26WG062514	6/25/2014	Normal	<1.1 U	5	<0.22 U	2.5	7 a	NA	NA	0.039 J	
MW26	CARMW26G20131024	10/24/2013	Normal	3.5 J	8.1 a	<0.22 U	4.2	22 a	NA	NA	NA	
MW27	MW27WG061815	6/18/2015	Normal	8.4 JB	22 a	<1.5 U	13 a	58 a	NA	NA	<0.098 U	
MW27	MW27WG062514	6/25/2014	Normal	<1.1 U	15 a	2	23 a	74 a	NA	NA	<0.039 U	
MW27	CARMW27G20131024	10/24/2013	Normal	<1.8 U*	14 a	3.3	23 a	59 a	NA	NA	NA	
MW28	MW28WG061815	6/18/2015	Normal	2.7 JB	29 a	<0.44 U	6.6 a	21 a	NA	NA	<0.1 U	
MW28	MW28WG062514	6/25/2014	Normal	<2.2 U	59 a	1.6 J	15 a	78 a	NA	NA	0.061 B	
MW28	CARMW28G20131023	10/23/2013	Normal	1.1 J	20 a	5.3 a	9.8 a	41 a	NA	NA	NA	
MW29	MW29WG061915	6/19/2015	Normal	9.7 JB	19 a	<2.9 U	8.7 a	200 a	NA	NA	<0.095 U	
MW29	MW29WG062514	6/25/2014	Normal	<5.5 U	27 a	1.8 J	12 a	390 a	NA	NA	<0.036 U	
MW29	CARMW29G20131107	11/7/2013	Normal	<4.4 U	29 a	6 a	18 a	360 a	NA	NA	NA	
MW30	MW30WG061815	6/18/2015	Normal	<16 U	83 a	<7.3 U	480 a	7.6 J a	NA	NA	<0.1 U	
MW30	MW30WG062614	6/26/2014	Normal	2.4 J	7.8 a	<0.22 U	8.7 a	9.6 a	NA	NA	<0.036 U	
MW30	CARMW30G20131107	11/7/2013	Normal	4 J	16 a	<0.22 U	15 a	12 a	NA	NA	NA	
MW32	MW32WG061915	6/19/2015	Normal	11 JB	120 a	7.8 a	210 a	48 a	NA	NA	<0.11 U	
MW32	MW32WG062514	6/25/2014	Normal	<5.5 U	110 a	13 a	190 a	42 a	NA	NA	<0.036 U	
MW32	CARMW32G20131025	10/25/2013	Normal	8.2 J	150 a	33 a	220 a	40 a	NA	NA	NA	
MW34	MW34WG061815	6/18/2015	Normal	23 JB	110 a	<7.3 U	590 a	14 J a	NA	NA	<0.095 U	
MW34	MW34WG062614	6/26/2014	Normal	<1.1 U	3.3	<0.22 U	11 a	2.1	NA	NA	<0.036 U	
MW34	CARMW34G20131024	10/24/2013	Normal	3.3 J	2.9	<0.22 U	17 a	1.7	NA	NA	NA	
MW35D	MW35DWG061615	6/16/2015	Normal	<0.94 U	<0.26 U	<0.44 U	<0.3 U	<0.22 U	NA	NA	<0.095 U	
MW35D	MW35DWG062614	6/26/2014	Normal	<1.1 U	<0.17 U	<0.22 U	<0.15 U	<0.17 U	NA	NA	<0.036 U	
MW35D	CARMW35DG20131028	10/28/2013	Normal	2.5 J	<0.17 U*	<0.22 U*	<0.15 U*	<0.17 U*	NA	NA	NA	
MW36	MW36WG062215	6/22/2015	Normal	1600 JB a	2400 a	<440 U	<300 U	35000 a	NA	NA	<0.096 U	
MW36	MW36090314	9/4/2014	Normal	<6800 U	2400 a	<440 U	<520 U	40000 a	NA	NA	<0.042 U	
MW36	CARMW36G20131108	11/8/2013	Normal	<550 U	980 a	<110 U	<75 U	47000 a	NA	NA	NA	
MW36	CARMW36H20131108	11/8/2013	Field Duplicate	<550 U	900 a	<110 U	<75 U	45000 a	NA	NA	NA	
MW37	MW37WG062215	6/22/2015	Normal	2500 JB a	1800 a	<730 U	<500 U	52000 a	NA	NA	<0.097 U	
MW37	MW37WGDUPE062215	6/22/2015	Field Duplicate	2000 JB a	1700 a	<730 U	<500 U	51000 a	NA	NA	<0.096 U	
MW37	MW37WG062614	6/26/2014	Normal	<2800 U	870 J a	<550 U	<380 U	68000 a	NA	NA	<0.036 U	
MW37	CARMW37G20131024	10/24/2013	Normal	<920 U*	880 a	<180 U	<120 U	41000 a	NA	NA	NA	
MW38	MW38WG061815	6/18/2015	Normal	2.7 JB	7.1 a	<0.44 U	<0.3 U	18 a	NA	NA	<0.095 U	
MW38	MW38WG062614	6/26/2014	Normal	<1.1 U	1.1	<0.22 U	<0.15 U	7.6 a	NA	NA	0.2 a	
MW38	CARMW38G20131030	10/30/2013	Normal	<1.1 U	10 a	<0.22 U	<0.15 U	29 a	NA	NA	NA	
MW39	MW39WG061915	6/19/2015	Normal	3.7 JB	30 a	<1.1 U	1.1 J	83 a	NA	NA	<0.095 U	
MW39	MW39WG062614	6/26/2014	Normal	<4.4 U	37 a	<0.88 U	<0.6 U	100 a	NA	NA	<0.036 U	
MW39	CARMW39G20131024	10/24/2013	Normal	10 J	63 a	<1.1 U	<0.75 U	230 a	NA	NA	NA	
MW40D	MW40DWG061615	6/16/2015	Normal	<0.94 U	<0.26 U	<0.44 U	<0.3 U	<0.22 U	NA	NA	<0.097 U	
MW40D	MW40DWG062614	6/26/2014	Normal	<1.1 U	<0.17 U	<0.22 U	<0.15 U	<0.17 U	NA	NA	<0.036 U	
MW40D	CARMW40DG20131030	10/30/2013	Normal	<1.1 U	<0.17 U	<0.22 U	<0.15 U	<0.17 U	NA	NA	NA	

**Groundwater Analytical Results - Detections Only (October 2013 to June 2015)
at Select Non-CO Locations
Carrier Corporation Thompson Road Facility
Syracuse, New York**

Sample Location:	Sample ID:	Sample Date:	Sample Type:	Analyte NYSDEC Groundwater Screening Limit Units	Acetone 50 ug/l	cis-1,2-Dichloroethene 5 ug/l	1,1,1-Trichloroethane 5 ug/l	1,1-Dichloroethane 5 ug/l	Trichloroethene 5 ug/l	TPH DRO (C10-C28) NE ug/l	TPH ORO (C28-C40) NE ug/l	Total PCBs 0.09* ug/l
Parking Lot R Investigation												
MW41D	MW41DWG	6/17/2015	Normal	<0.94 U	<0.26 U	<0.44 U	<0.3 U	<0.22 U	<0.22 U	<190 U	<190 U	<0.095 U
MW41D	MW41DWG062414	6/24/2014	Normal	<1.1 U	<0.17 U	<0.22 U	<0.15 U	<0.17 U	<0.17 U	NA	NA	<0.036 U
MW41D	CARMW41DG20131111	11/11/2013	Normal	<1.1 U	<0.17 U	<0.22 U	<0.15 U	<0.17 U	<0.17 U	NA	NA	NA
MW42	MW42WG	6/17/2015	Normal	<0.94 U	6.4 a	<0.44 U	1.4	7.5 a	<200 U	<200 U	<200 U	<0.095 U
MW42	MW42WG062414	6/24/2014	Normal	1.1 J	0.7 J	<0.22 U	<0.15 U	0.59 J	NA	NA	NA	<0.04 U
MW42	CARMW42G20131112	11/12/2013	Normal	<1.1 U	10 a	<0.22 U	1.2	9 a	NA	NA	NA	NA
MW43	MW43WG062315	6/23/2015	Normal	0.96 JB	0.66 J	<0.44 U	<0.3 U	4.6	1500	700	700	<0.095 U
MW43	MW43WG062414	6/24/2014	Normal	<5.5 U	21 a	<1.1 U	<0.75 U	400 a	570	220 J	220 J	<0.036 U
MW43	CARMW43G20131112	11/12/2013	Normal	3.2 J	<0.17 U	<0.22 U	<0.15 U	5.7 a	NA	NA	NA	NA
MW44	MW44WG062215	6/22/2015	Normal	1.1 JB	0.34 J	2.1	1.1	9.9 a	<190 U	<190 U	<190 U	<0.096 U
MW44	MW44WG062414	6/24/2014	Normal	1.5 J	1.6	3.1	4	15 a	NA	NA	NA	0.061
MW44	CARMW44G20131108	11/8/2013	Normal	4.6 J	1.1	2.7	2	11 a	NA	NA	NA	NA
MW45	MW45WG062315	6/23/2015	Normal	5.6 JB	12 a	<1.5 U	<1 U	78 a	460 J	290 J	290 J	<0.096 U
MW45	MW45WG062414	6/24/2014	Normal	2.1 J	2.1	<0.22 U	<0.15 U	33 a	670 H	400 JH	400 JH	<0.036 U
MW45	CARMW45G20131108	11/8/2013	Normal	3.4 J	20 a	<0.55 U	<0.38 U	190 a	NA	NA	NA	NA
MW47	MW47WG	6/17/2015	Normal	2.2 JB	<0.26 U	<0.44 U	<0.3 U	<0.22 U	2800	410 J	410 J	<0.11 U
MW47	MW47WG062314	6/23/2014	Normal	<1.1 U	<0.17 U	<0.22 U	<0.15 U	<0.17 U	1900	360 J	360 J	<0.036 U
MW47	CARMW47G20131112	11/12/2013	Normal	1.9 J	<0.17 U	<0.22 U	<0.15 U	<0.17 U	NA	NA	NA	NA
MW48	MW48WG062315	6/23/2015	Normal	<9.4 U	230 a	<4.4 U	<3 U	97 a	720	460 J	460 J	<0.11 U
MW48	MW48WG062414	6/24/2014	Normal	<44 U	900 a	<8.8 U	<6 U	500 a	NA	NA	NA	<0.036 U
MW48	CARMW48G20131113	11/13/2013	Normal	<11 U	290 a	<2.2 U	<1.5 U	690 a	NA	NA	NA	NA
MW49	MW49WG062215	6/22/2015	Normal	1.4 JB	1.7	<0.44 U	3.6	2	1000	<190 U	<190 U	<0.096 U
MW49	MW49WG062414	6/24/2014	Normal	<1.1 U	1.5	0.73 J	3.6	2.3	NA	NA	NA	<0.072 U
MW49	CARMW49G20131112	11/12/2013	Normal	1.3 J	2.6	0.68 J	2.5	0.95 J	NA	NA	NA	NA
MW50	MW50WG	6/17/2015	Normal	1.5 JB	<0.26 U	<0.44 U	<0.3 U	<0.22 U	1200	350 J	350 J	<0.098 U
MW50	MW50WG062314	6/23/2014	Normal	<1.1 U	<0.17 U	<0.22 U	<0.15 U	0.18 J	NA	NA	NA	<0.036 U
MW50	CARMW50G20131111	11/11/2013	Normal	1.6 J	<0.17 U	<0.22 U	0.49 J	0.38 J	NA	NA	NA	NA

**Groundwater Analytical Results - Detections Only (October 2013 to June 2015)
at Select Non-CO Locations
Carrier Corporation Thompson Road Facility
Syracuse, New York**

Sample Location:	Sample ID:	Sample Date:	Sample Type:	Analyte NYSDEC Groundwater Screening Limit Units	Acetone 50 ug/l	cis-1,2-Dichloroethene 5 ug/l	1,1,1-Trichloroethane 5 ug/l	1,1-Dichloroethane 5 ug/l	Trichloroethene 5 ug/l	TPH DRO (C10-C28) NE ug/l	TPH ORO (C28-C40) NE ug/l	Total PCBs 0.09* ug/l
MH3 Oil Source Investigation												
MW51	MW51WG062315	6/23/2015	Normal		5.3 JB	56 a	5.9 a	9.1 a	83 a	250 J	220 J	<0.095 U
MW51	MW51WG120814	12/8/2014	Normal		<5.7 U	33 a	4.8	5.7 a	38 a	140 J	<100 U	<0.095 U
MW51	MW51WG062014	6/20/2014	Normal		<1.4 U	50 a	5.9 a	8.9 a	77 a	<100 U	<100 U	<0.038 U
MW51	CARMW51G0514	5/30/2014	Normal		<2.8 U	52 a	5.6 a	9.1 a	85 a	NA	NA	<0.095 U
MW52	MW52WG062315	6/23/2015	Normal		19 JB	130 a	<4.9 U	<3.3 U	18 a	3200	830	<0.099 U
MW52	MW52WG120814	12/8/2014	Normal		<98 U	670 a	<6.3 U	<7.4 U	14 J a	3700	360 J	<0.096 U
MW52	MW52WG062014	6/20/2014	Normal		<37 U	1300 a	<7.3 U	<5 U	<5.7 U	3100	730	<0.038 U
MW52	CARMW52G0514	5/30/2014	Normal		<22 U	280 a	<4.4 U	<3 U	670 a	NA	NA	<0.095 U
MW53	MW53WG061915	6/19/2015	Normal		<190 U	3900 a	<88 U	<60 U	200 a	590	260 J	<0.095 U
MW53	MW53WG120514	12/5/2014	Normal		<68 U	1400 a	<4.4 U	<5.2 U	10 J a	2100	430 J	<0.096 U
MW53	MW53WG062014	6/20/2014	Normal		<460 U	7100 a	<92 U	<63 U	<71 U	1100	520	<0.038 U
MW54	MW54WG063015	6/30/2015	Normal		<0.94 U	<0.26 U	<0.44 U	0.31 J	<0.22 U	NA	NA	NA
PLR002	PLR002WG062315	6/23/2015	Normal		39 JB	120 a	<15 U	25 J a	760 a	<230 U	<230 U	<0.099 U
PLR002	PLR002WG062414	6/24/2014	Normal		<44 U	100 a	<8.8 U	23 J a	2000 a	NA	NA	<0.037 U
PLR002	CARPLR00220131113	11/13/2013	Normal		65 J a	81 a	<11 U	37 J a	2600 a	NA	NA	NA
PLR056	PLR056WG062315	6/23/2015	Normal		4.4 JB	77 a	<0.88 U	0.88 J	89 a	NA	NA	NA
PLR056	PLR056WG111214	11/12/2014	Normal		<140 U	800 a	<8.8 U	<10 U	1200 a	490 J	240 J	<0.044 U
PLR056	PLR056WG062014	6/20/2014	Normal		<4.4 U	150 a	<0.88 U	1.1 J	310 a	NA	NA	NA
PLR057	PLR057WG	6/17/2015	Normal		3.2 JB	<0.26 U	<0.44 U	0.38 J	<0.22 U	NA	NA	NA
PLR057	PLR057WG111114	11/11/2014	Normal		<3.4 U	0.66 J	<0.22 U	<0.26 U	1.4	660	150 J	<0.1 U
PLR057	PLR057WG062014	6/20/2014	Normal		1.7 J	0.26 J	<0.22 U	0.19 J	0.59 J	450 J	190 J	<0.038 U
PLR057	PLR057G0514	5/30/2014	Normal		7.4 J	0.24 J	<0.22 U	0.18 J	0.49 J	NA	NA	<0.095 U
PLR058	PLR058WG111214	11/12/2014	Normal		20	0.98 J	<0.22 U	1.5	2	22000	2700 J	0.11 a
PLR058	PLR058WG061914	6/19/2014	Normal		23	<0.17 U	0.25 J	2.9	<0.17 U	31000	12000	<0.1 U
PLR058	PLR058G0514	5/30/2014	Normal		12 J	<1.7 U	<2.2 U	3.4 J	<1.7 U	NA	NA	<0.095 U
PLR058	PLR058WG062215	6/22/2015	Normal		9.1 JB	0.44 J	<0.44 U	2.3	<0.22 U	NA	NA	NA
PLR058	PLR058WGDUPE062215	6/22/2015	Field Duplicate		7.2 JB	0.98 J	<0.44 U	1.7	0.27 J	NA	NA	NA
PLR060	PLR060WG062215	6/22/2015	Normal		1.9 JB	4.4	<0.44 U	<0.3 U	30 a	NA	NA	NA
PLR060	PLR060WGDUPE062215	6/22/2015	Field Duplicate		<4.7 U	59 a	<2.2 U	<1.5 U	280 E a	NA	NA	NA
PLR060	PLR060WG120914	12/9/2014	Normal		<3.4 U	1.3	<0.22 U	<0.26 U	6.7 a	650	280 J	<0.096 U
PLR060	PLR060WG062014	6/20/2014	Normal		3.2 J	0.59 J	<0.22 U	<0.15 U	16 a	280 J	240 J	<0.038 U
PLR060	PLR060G0514	5/30/2014	Normal		16	1.7	<0.22 U	<0.15 U	17 a	NA	NA	<0.095 U
PLR061	PLR061WG062315	6/23/2015	Normal		<0.94 U	34 a	<0.44 U	<0.3 U	38 a	NA	NA	NA
PLR061	PLR061WG120914	12/9/2014	Normal		<170 U	500 a	<11 U	<13 U	1200 a	850	270 J	<0.095 U
PLR061	PLR061WG062014	6/20/2014	Normal		<1400 U	17000 a	<280 U	<190 U	64000 a	570	210 J	<0.044 U
PLR061	PLR061G0514	5/29/2014	Normal		<2800 U	13000 a	<550 U	<380 U	56000 a	NA	NA	<0.099 U

**Groundwater Analytical Results - Detections Only (October 2013 to June 2015)
at Select Non-CO Locations
Carrier Corporation Thompson Road Facility
Syracuse, New York**

Sample Location:	Sample ID:	Sample Date:	Sample Type:	Analyte NYSDEC Groundwater Screening Limit Units	Acetone 50 ug/l	cis-1,2-Dichloroethene 5 ug/l	1,1,1-Trichloroethane 5 ug/l	1,1-Dichloroethane 5 ug/l	Trichloroethene 5 ug/l	TPH DRO (C10-C28) NE ug/l	TPH ORO (C28-C40) NE ug/l	Total PCBs 0.09* ug/l
Former Building TR-3 North Wall Investigation												
MW54D	MW54DWG063015	6/30/2015	Normal	<0.94 U	<0.26 U	<0.44 U	<0.3 U	<0.22 U	NA	NA	NA	NA
MW54D	MW54DWG062615	6/26/2015	Normal	NA	NA	NA	NA	NA	<200 U	<200 U	<200 U	<0.1 U
MW54D	MW54DWG111414	11/14/2014	Normal	<3.4 U	<0.2 U	<0.22 U	<0.26 U	<0.15 U	<100 U	<100 U	<100 U	<0.1 U
MW55	MW55WG061815	6/18/2015	Normal	1.8 JB	6.3 a	<0.44 U	<0.3 U	0.31 J	610	190 J		<0.095 U
MW55	MW55WG120514	12/5/2014	Normal	<14 U	260 a	<0.88 U	<1 U	3.2 J	1100	330 J		<0.096 U
MW56	MW56WG061915	6/19/2015	Normal	160 JB a	2900 a	<44 U	<30 U	<22 U	560	300 J		<0.095 U
MW56	MW56WG120514	12/5/2014	Normal	<340 U	7800 a	<22 U	<26 U	110 a	1000	180 J		<0.095 U
MW57	MW57WG061815	6/18/2015	Normal	<0.94 U	6.4 a	<0.44 U	<0.3 U	0.55 J	860	270 J		<0.095 U
MW57	MW57WG120514	12/5/2014	Normal	<3.4 U	23 a	<0.22 U	<0.26 U	0.74 J	2000	570		<0.095 U
MW58	MW58WG061915	6/19/2015	Normal	<24 U	740 a	<11 U	<7.5 U	98 a	<200 U	<200 U		<0.095 U
MW58	MW58WGDUPE061915	6/19/2015	Field Duplicate	30 JB	920 a	<11 U	<7.5 U	150 a	<190 U	<190 U		<0.095 U
MW58	MW58WG120414	12/4/2014	Normal	<98 U	570 a	<6.3 U	<7.4 U	300 a	220 J	100 J		<0.095 U
MW59	MW59WG	6/17/2015	Normal	<0.94 U	0.27 J	<0.44 U	<0.3 U	<0.22 U	<190 U	<190 U		<0.095 U
MW59	MW59WG120214	12/2/2014	Normal	11	<0.2 U	<0.22 U	<0.26 U	<0.15 U	<110 U	<110 U		<0.095 U
MW60	MW60WG061815	6/18/2015	Normal	<24 U	630 a	<11 U	<7.5 U	210 a	<190 U	<190 U		<0.097 U
MW60	MW60WGDUPE	6/18/2015	Field Duplicate	<24 U	630 a	<11 U	<7.5 U	220 a	<190 U	<190 U		<0.096 U
MW60	MW60WG120914	12/9/2014	Normal	<170 U	910 a	<11 U	<13 U	590 a	<100 U	<100 U		<0.096 U
MW61	MW61WG061815	6/18/2015	Normal	<0.94 U	4.1	<0.44 U	<0.3 U	12 a	NA	NA		NA
MW61	MW61WG120914	12/9/2014	Normal	<34 U	76 a	<2.2 U	<2.6 U	210 a	1200	220 J		<0.095 U
MW62	MW62WG061915	6/19/2015	Normal	<0.94 U	2.8	<0.44 U	<0.3 U	0.28 J	NA	NA		NA
MW62	MW62WG120914	12/9/2014	Normal	<3.4 U	1.7	<0.22 U	<0.26 U	3.8	2500	270 J		<0.096 U
MW65	MW65WG061815	6/18/2015	Normal	<0.94 U	15 a	<0.44 U	<0.3 U	11 a	<200 U	<200 U		<0.097 U
MW65	MW65WG120414	12/4/2014	Normal	<3.4 U	11 a	<0.22 U	<0.26 U	10 a	400 J	210 J		<0.099 U
MW66	MW66WG061815	6/18/2015	Normal	<3.8 U	140 a	<1.8 U	<1.2 U	20 a	<200 U	<200 U		<0.098 U
MW66	MW66WG120414	12/4/2014	Normal	<11 U	77 a	<0.73 U	<0.87 U	69 a	<100 U	<100 U		<0.095 U
MW67	MW67WG	6/17/2015	Normal	1.2 JB	<0.26 U	<0.44 U	<0.3 U	<0.22 U	<190 U	<190 U		<0.095 U
MW67	MW67WG120214	12/2/2014	Normal	<3.4 U	<0.2 U	<0.22 U	<0.26 U	0.2 J	360 J	<100 U		<0.095 U
MW68	MW68WG	6/17/2015	Normal	6.1 JB	<0.26 U	<0.44 U	<0.3 U	<0.22 U	<200 U	<200 U		<0.099 U
MW68	MW68WG120214	12/2/2014	Normal	<3.4 U	<0.2 U	<0.22 U	<0.26 U	<0.15 U	160 J	<100 U		<0.095 U

µg/L = micrograms per liter.

U = Non-detect. If highlighted, detection limit exceeds screening limit.

NA = Sample not analyzed for analyte.

Bold = Concentration is greater than method detection limit.

a = Concentration exceeds December 2006 NYSDEC 6 NYCRR Part 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations.

Highlighted cell indicates exceedance of standard.

J = Result is less than the method reporting limit but greater than method detection limit.


B = Analyte was detected in both the sample and the blank sample.

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			AR-MW-01	AR-MW-02	AR-MW-02	AR-MW-02	AR-MW-02
Sample ID			AR-MW01	AR-MW02	AR-MW-02	AR-MW-02	AR-MW-02
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/18/16	04/18/16	11/13/17	10/16/18	11/14/19
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	1 U	1 U	0.51 U	0.54 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	1 U	1 U	NA	0.53 U	0.53 U
1,1-Dichloroethane	UG/L	5	1 U	1 U	0.32 U	0.57 U	0.57 U
1,1-Dichloroethene	UG/L	5	1 U	1 U	0.69 U	0.59 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	1 UJ	1 UJ	0.28 U	0.60 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	1 U	1 U	0.33 U	0.51 U	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	1 U	1 U	0.38 U	0.54 U	0.54 U
1,4-Dioxane	UG/L	-	NA	NA	11.4 U	NA	NA
4-Methyl-2-pentanone	UG/L	-	5 U	5 U	NA	1.9 U	1.9 U
Acetone	UG/L	50	3 UR	3 UR	1.88 J	6.0 UR	6 UR
Benzene	UG/L	1	0.5 U	0.5 U	0.28 U	0.43 U	0.43 U
Chloroethane	UG/L	5	1 U	1 U	NA	0.73 U	0.73 U
Chloroform	UG/L	7	1 U	1 U	0.33 U	0.50 U	0.5 U
Cyclohexane	UG/L	-	NA	NA	NA	0.78 U	0.78 U
Ethylbenzene	UG/L	5	1 U	1 U	0.33 U	0.60 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	NA	NA	NA	0.65 U	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	2 UR	2 UR	1.07 U	6.9 U	6.9 UR
Methyl tert-butyl ether	UG/L	10	NA	NA	0.24 U	0.51 U	0.51 U
Methylcyclohexane	UG/L	-	NA	NA	NA	0.60 U	0.6 U
Tetrachloroethene	UG/L	5	1 U	1 U	0.57 U	0.90 U	0.9 U
Toluene	UG/L	5	1 U	1 U	0.30 U	0.53 U	0.53 U
Trichloroethene	UG/L	5	1 U	1 U	0.50 U	0.53 U	0.53 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			AR-MW-01	AR-MW-02	AR-MW-02	AR-MW-02	AR-MW-02
Sample ID			AR-MW01	AR-MW02	AR-MW-02	AR-MW-02	AR-MW-02
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/18/16	04/18/16	11/13/17	10/16/18	11/14/19
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	NA	NA	NA	0.84 UJ	0.84 U
Vinyl chloride	UG/L	2	1 U	1 U	0.47 U	0.79 U	0.79 U
Xylene (total)	UG/L	5	1 U	1 U	3.00 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	0.0447 U	0.7 U
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	0.16 U	0.16 U	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			AR-MW-02	AR-MW-02	AR-MW-02	AR-MW-03	AR-MW-04
Sample ID			AR-MW-02	AR-MW-02	AR-MW-02	AR-MW03	AR-MW04
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/14/20	09/23/21	09/21/22	04/18/16	04/18/16
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	1 U	1 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	0.53 U	1 U	1 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	1 U	1 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.59 U	1 U	1 U
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.6 U	0.6 U	1 UJ	1 UJ
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	0.51 U	0.51 U	1 U	1 U
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	1 U	1 U
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	1.9 U	5 U	5 U
Acetone	UG/L	50	6 UR	3.1 UR	3.1 U	3 UR	3 UR
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.5 U	0.5 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	1 U	1 U
Chloroform	UG/L	7	0.5 U	0.5 U	0.5 U	1 U	1 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	0.78 U	NA	NA
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	1 U	1 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	NA	NA
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 UR	6.9 U	2.7 U	2 UR	2 UR
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	NA	NA
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	0.6 U	NA	NA
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	0.56 U	1 U	1 U
Toluene	UG/L	5	0.53 U	0.53 U	0.49 U	1 U	1 U
Trichloroethene	UG/L	5	0.53 U	0.53 U	0.53 U	1 U	1 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			AR-MW-02	AR-MW-02	AR-MW-02	AR-MW-03	AR-MW-04
Sample ID			AR-MW-02	AR-MW-02	AR-MW-02	AR-MW03	AR-MW04
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/14/20	09/23/21	09/21/22	04/18/16	04/18/16
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	0.4 U	NA	NA
Vinyl chloride	UG/L	2	0.79 U	0.79 U	0.52 U	1 U	1 U
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	1 U	1 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	0.66 U	0.66 U	0.73 U	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	0.16 U	0.16 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			AR-MW-05	AR-MW-06	AR-MW-06	AR-MW-06	AR-MW-06
Sample ID			AR-MW05	AR-MW06	AR-MW-06	AR-MW-06	AR-MW-06
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/18/16	04/18/16	11/13/17	10/18/18	11/14/19
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	1 U	1 U	0.51 U	0.54 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	1 U	1 U	NA	0.53 U	0.53 U
1,1-Dichloroethane	UG/L	5	1 U	0.98 J	0.32 U	0.57 U	0.57 U
1,1-Dichloroethene	UG/L	5	1 U	1.6	0.69 U	0.59 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	1 U	1 UJ	0.28 U	0.60 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	1 U	393	6.78	7.4	2.1
1,2-Dichloroethene (trans)	UG/L	5	1 U	1 U	0.38 U	0.54 U	0.54 U
1,4-Dioxane	UG/L	-	NA	NA	11.4 U	NA	NA
4-Methyl-2-pentanone	UG/L	-	5 U	5 U	NA	1.9 U	1.9 U
Acetone	UG/L	50	3 UR	3 UR	1.65 J	6.0 U	6 UR
Benzene	UG/L	1	0.5 U	0.5 U	0.28 U	0.43 U	0.43 U
Chloroethane	UG/L	5	1 U	1 U	NA	0.73 U	0.73 U
Chloroform	UG/L	7	1 U	1 U	0.33 U	0.50 U	0.5 U
Cyclohexane	UG/L	-	NA	NA	NA	0.78 U	0.78 U
Ethylbenzene	UG/L	5	1 U	1 U	0.33 U	0.60 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	NA	NA	NA	0.65 U	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	2 UR	2 UR	1.07 U	6.9 U	6.9 UR
Methyl tert-butyl ether	UG/L	10	NA	NA	0.24 U	0.51 U	0.51 U
Methylcyclohexane	UG/L	-	NA	NA	NA	0.60 U	0.6 U
Tetrachloroethene	UG/L	5	1 U	0.61 J	0.57 U	0.90 U	0.9 U
Toluene	UG/L	5	1 U	6.4	0.30 U	0.53 U	0.53 U
Trichloroethene	UG/L	5	1 U	91.0	4.75	6.5	1.5

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <> 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			AR-MW-05	AR-MW-06	AR-MW-06	AR-MW-06	AR-MW-06
Sample ID			AR-MW05	AR-MW06	AR-MW-06	AR-MW-06	AR-MW-06
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/18/16	04/18/16	11/13/17	10/18/18	11/14/19
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	NA	NA	NA	0.84 U	0.84 U
Vinyl chloride	UG/L	2	1 U	16.0	0.50 J	0.79 U	0.79 U
Xylene (total)	UG/L	5	1 U	1 U	3.00 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	0.16 U	0.16 U	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			AR-MW-06	AR-MW-06	AR-MW-06	AR-SB-02	AR-SB-04
Sample ID			AR-MW-06	AR-MW-06	AR-MW-06	AR-SB02	AR-SB04
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/14/20	09/23/21	09/21/22	04/18/16	04/18/16
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	1 U	1 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	0.53 U	0.21 U	0.21 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	1 U	1 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.59 U	1 U	1 U
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.6 U	0.6 U	0.48 UJ	0.48 UJ
1,2-Dichloroethene (cis)	UG/L	5	43.4	49.4	22.6	0.29 U	0.52 J
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	0.50 U	0.50 U
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	1.9 U	0.50 U	0.50 U
Acetone	UG/L	50	6 UR	3.1 UR	3.1 U	3 UR	3 UR
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.45 U	0.45 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	1 U	1 U
Chloroform	UG/L	7	0.5 U	0.5 U	0.5 U	0.41 U	0.41 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	0.78 U	NA	NA
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	1 U	1 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	NA	NA
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 UR	6.9 U	2.7 U	2 UR	2 UR
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	NA	NA
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	0.6 U	NA	NA
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	0.56 U	0.45 U	0.45 U
Toluene	UG/L	5	0.53 U	0.53 U	0.49 U	0.49 U	0.49 U
Trichloroethene	UG/L	5	5.4	4.0	2.8	0.48 U	0.48 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <> 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			AR-MW-06	AR-MW-06	AR-MW-06	AR-SB-02	AR-SB-04
Sample ID			AR-MW-06	AR-MW-06	AR-MW-06	AR-SB02	AR-SB04
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/14/20	09/23/21	09/21/22	04/18/16	04/18/16
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	0.4 U	NA	NA
Vinyl chloride	UG/L	2	2.1	1.7	0.81 J	1 U	1 U
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.22 U	0.22 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	0.055 U	0.063 J

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			DP-MW-01	DP-MW-02	DP-MW-03	DP-MW-04	DP-MW-04
Sample ID			DP-MW01	DP-MW02	DP-MW03	DP-MW04	DP-MW-04
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/18/16	04/18/16	04/18/16	04/18/16	11/14/17
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.68 UJ	0.68 UJ	0.68 UJ	0.68 UJ	0.51 U
1,1,2-Trichloroethane	UG/L	1	0.21 U	0.21 U	0.21 U	0.21 U	NA
1,1-Dichloroethane	UG/L	5	0.68 U	0.68 U	0.68 U	0.68 U	0.32 U
1,1-Dichloroethene	UG/L	5	0.6 U	0.6 U	0.6 U	0.6 U	0.69 U
1,2-Dichloroethane	UG/L	0.6	0.48 U	0.48 U	0.48 U	0.48 U	0.28 U
1,2-Dichloroethene (cis)	UG/L	5	0.34 J	0.29 U	0.29 U	0.29 U	0.33 U
1,2-Dichloroethene (trans)	UG/L	5	0.5 U	0.5 U	0.5 U	0.5 U	0.38 U
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	11.4 U
4-Methyl-2-pentanone	UG/L	-	0.5 U	0.5 U	0.5 U	0.5 U	NA
Acetone	UG/L	50	2.8 U	2.8 U	2.8 U	3.2 J	0.80 U
Benzene	UG/L	1	0.45 U	0.45 U	0.45 U	0.45 U	0.28 U
Chloroethane	UG/L	5	0.62 U	0.62 U	0.62 U	0.62 U	NA
Chloroform	UG/L	7	0.41 U	0.41 U	0.41 U	0.41 U	0.33 U
Cyclohexane	UG/L	-	NA	NA	NA	NA	NA
Ethylbenzene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	0.33 U
Isopropylbenzene (Cumene)	UG/L	5	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	UG/L	50	2 U	2 U	2 U	2 U	1.07 U
Methyl tert-butyl ether	UG/L	10	NA	NA	NA	NA	0.24 U
Methylcyclohexane	UG/L	-	NA	NA	NA	NA	NA
Tetrachloroethene	UG/L	5	0.45 U	0.45 U	0.45 U	0.45 U	0.57 U
Toluene	UG/L	5	0.49 U	0.49 U	0.49 U	0.49 U	0.30 U
Trichloroethene	UG/L	5	0.48 U	0.48 U	0.48 U	0.48 U	0.50 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <> 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			DP-MW-01	DP-MW-02	DP-MW-03	DP-MW-04	DP-MW-04
Sample ID			DP-MW01	DP-MW02	DP-MW03	DP-MW04	DP-MW-04
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/18/16	04/18/16	04/18/16	04/18/16	11/14/17
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	NA	NA	NA	NA	NA
Vinyl chloride	UG/L	2	0.69 UJ	0.69 UJ	0.69 UJ	0.69 UJ	0.47 U
Xylene (total)	UG/L	5	0.22 U	0.22 U	0.22 U	0.22 U	3.00 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	0.51 U	5.7	2.5	0.35 U	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	0.055 U	0.046 U	0.085 U	0.096 U	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <> 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			DP-MW-04	DP-MW-04	DP-MW-04	DP-MW-04	DP-MW-04
Sample ID			DP-MW-04	DP-MW-04	DP-MW-04	DP-MW-04	DP-MW-04
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/16/18	11/14/19	10/14/20	09/23/21	09/21/22
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	0.60 U	0.6 U	0.6 U	0.6 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Acetone	UG/L	50	6.0 UR	6 UR	6 UR	3.1 UR	3.1 J
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
Chloroform	UG/L	7	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Ethylbenzene	UG/L	5	0.60 U	0.6 U	0.6 U	0.6 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 U	6.9 UR	6.9 UR	6.9 U	2.7 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Methylcyclohexane	UG/L	-	0.60 U	0.6 U	0.6 U	0.6 U	0.6 U
Tetrachloroethene	UG/L	5	0.90 U	0.9 U	0.9 U	0.9 U	0.56 U
Toluene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	0.49 U
Trichloroethene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <> 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			DP-MW-04	DP-MW-04	DP-MW-04	DP-MW-04	DP-MW-04
Sample ID			DP-MW-04	DP-MW-04	DP-MW-04	DP-MW-04	DP-MW-04
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/16/18	11/14/19	10/14/20	09/23/21	09/21/22
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.84 UJ	0.84 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	UG/L	2	0.79 U	0.79 U	0.79 U	0.79 U	0.52 U
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	0.0447 U	0.69 U	0.66 U	0.69 U	0.73 U
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			DP-MW-05	DP-MW-05	MW-03D	MW-03D	MW-03D
Sample ID			DP-FD-041816	DP-MW05	MW-03D	MW-03D	MW-03D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/18/16	04/18/16	11/09/17	10/16/18	11/13/19
Parameter	Units	Criteria*	Field Duplicate (1-1)				
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.68 U	0.68 U	0.51 U	0.54 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	0.21 U	0.21 U	NA	0.53 U	0.53 U
1,1-Dichloroethane	UG/L	5	0.68 U	0.68 U	0.34 J	0.57 U	0.57 U
1,1-Dichloroethene	UG/L	5	0.6 U	0.6 U	0.69 U	0.59 U	0.59 UJ
1,2-Dichloroethane	UG/L	0.6	0.48 U	0.48 U	0.28 U	0.60 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	0.29 U	0.29 U	9.78	7.0	7.4
1,2-Dichloroethene (trans)	UG/L	5	0.5 U	0.5 U	0.38 U	0.54 U	0.54 U
1,4-Dioxane	UG/L	-	NA	NA	11.4 U	NA	NA
4-Methyl-2-pentanone	UG/L	-	0.5 U	0.5 U	NA	1.9 U	1.9 UR
Acetone	UG/L	50	2.8 UR	2.8 UR	0.80 U	6.0 UR	6 UR
Benzene	UG/L	1	0.45 U	0.45 U	0.28 U	0.43 U	0.43 U
Chloroethane	UG/L	5	0.62 UJ	0.62 UJ	NA	0.73 U	0.73 U
Chloroform	UG/L	7	0.41 U	0.41 U	0.33 U	0.50 U	0.5 U
Cyclohexane	UG/L	-	NA	NA	NA	0.78 U	0.78 U
Ethylbenzene	UG/L	5	0.53 U	0.53 U	0.33 U	0.60 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	NA	NA	NA	0.65 U	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	2 U	2 U	1.07 U	6.9 U	6.9 UR
Methyl tert-butyl ether	UG/L	10	NA	NA	0.24 U	0.51 U	0.51 U
Methylcyclohexane	UG/L	-	NA	NA	NA	0.60 U	0.6 U
Tetrachloroethene	UG/L	5	0.45 U	0.45 U	0.57 U	0.90 U	0.9 U
Toluene	UG/L	5	0.49 U	0.49 U	0.30 U	0.53 U	0.53 U
Trichloroethene	UG/L	5	0.48 U	0.48 U	0.50 U	0.53 U	0.53 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			DP-MW-05	DP-MW-05	MW-03D	MW-03D	MW-03D
Sample ID			DP-FD-041816	DP-MW05	MW-03D	MW-03D	MW-03D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/18/16	04/18/16	11/09/17	10/16/18	11/13/19
Parameter	Units	Criteria*	Field Duplicate (1-1)				
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	NA	NA	NA	0.84 UJ	0.84 U
Vinyl chloride	UG/L	2	0.69 UJ	0.69 UJ	0.47 U	0.79 U	0.79 UJ
Xylene (total)	UG/L	5	0.22 U	0.22 U	3.00 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	0.0447 U	0.049 U
bis(2-Ethylhexyl)phthalate	UG/L	5	0.32 U	2.7	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	0.087 U	0.085 U	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-03D	MW-03D	MW-03D	MW-03S	MW-03S
Sample ID			MW-03D	MW-03D	MW-03D	MW-03S	FD-101618
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/13/20	09/21/21	09/20/22	11/09/17	10/16/18
Parameter	Units	Criteria*					Field Duplicate (1-1)
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	5.09 U	1.1 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	0.53 U	NA	1.1 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	20.4	23.4
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.59 U	6.93 U	6.0
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.6 U	0.6 U	2.77 U	1.2 U
1,2-Dichloroethene (cis)	UG/L	5	11.9	7.6	8.9	729	863 D
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	3.77 U	1.5 J
1,4-Dioxane	UG/L	-	NA	NA	NA	114 U	NA
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	1.9 U	NA	3.7 U
Acetone	UG/L	50	6 UR	3.1 U	3.1 U	8.04 U	12 UR
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	2.84 U	0.85 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	NA	1.5 U
Chloroform	UG/L	7	0.5 U	0.5 U	0.5 U	3.26 U	1.0 U
Cyclohexane	UG/L	-	2.3 J	0.78 U	0.78 U	NA	1.6 U
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	3.29 U	1.2 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	NA	1.3 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 UR	6.9 U	2.7 U	10.7 U	14 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	2.37 U	1.0 U
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	0.6 U	NA	1.2 U
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	0.56 U	5.70 U	1.8 U
Toluene	UG/L	5	0.53 U	0.53 U	0.49 U	2.99 U	1.1 U
Trichloroethene	UG/L	5	0.53 U	0.53 U	0.53 U	4.97 U	2.9

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-03D	MW-03D	MW-03D	MW-03S	MW-03S
Sample ID			MW-03D	MW-03D	MW-03D	MW-03S	FD-101618
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/13/20	09/21/21	09/20/22	11/09/17	10/16/18
Parameter	Units	Criteria*					Field Duplicate (1-1)
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	0.4 U	NA	1.7 U
Vinyl chloride	UG/L	2	1.7	0.79 U	1.5	55.3	47.6
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	30.0 U	1.2 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	0.73 U	0.66 U	0.69 U	NA	2.48
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <> 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-03S	MW-03S	MW-03S	MW-03S	MW-03S
Sample ID			MW-03S	FD-111319-1	MW-03S	FD-101320	MW-03S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/16/18	11/13/19	11/13/19	10/13/20	10/13/20
Parameter	Units	Criteria*		Field Duplicate (1-1)		Field Duplicate (1-1)	
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	1.1 U	1.3 U	1.3 U	2.7 U	2.7 U
1,1,2-Trichloroethane	UG/L	1	1.1 U	1.3 U	1.3 U	2.7 U	2.7 U
1,1-Dichloroethane	UG/L	5	23.2	20.3	19.1	19.0	18.1
1,1-Dichloroethene	UG/L	5	6.3	5.2	4.6	5.5	4.9 J
1,2-Dichloroethane	UG/L	0.6	1.2 U	1.5 U	1.5 U	3 U	3 U
1,2-Dichloroethene (cis)	UG/L	5	805 D	678 D	715 D	783	725
1,2-Dichloroethene (trans)	UG/L	5	1.5 J	1.7 J	2.1 J	3.4 J	3.4 J
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	3.7 U	4.6 U	4.6 U	9.3 U	9.3 U
Acetone	UG/L	50	12 UR	15 UR	15 UR	30 UR	30 UR
Benzene	UG/L	1	0.85 U	1.1 U	1.1 U	2.1 U	2.1 U
Chloroethane	UG/L	5	1.5 U	1.8 U	1.8 U	3.6 U	3.6 U
Chloroform	UG/L	7	1.0 U	1.3 U	1.3 U	2.5 U	2.5 U
Cyclohexane	UG/L	-	1.6 U	2 U	2 U	3.9 U	3.9 U
Ethylbenzene	UG/L	5	1.2 U	1.5 U	1.5 U	3 U	3 U
Isopropylbenzene (Cumene)	UG/L	5	1.3 U	1.6 U	1.6 U	3.2 U	3.2 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	14 U	17 UR	17 UR	34 UR	34 UR
Methyl tert-butyl ether	UG/L	10	1.0 U	1.3 U	1.3 U	2.5 U	2.5 U
Methylcyclohexane	UG/L	-	1.2 U	1.5 U	1.5 U	3 U	3 U
Tetrachloroethene	UG/L	5	1.8 U	2.2 U	2.2 U	4.5 U	4.5 U
Toluene	UG/L	5	1.1 U	1.3 U	1.3 U	2.7 U	2.7 U
Trichloroethene	UG/L	5	2.7	2.1 J	1.9 J	2.6 U	2.6 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-03S	MW-03S	MW-03S	MW-03S	MW-03S
Sample ID			MW-03S	FD-111319-1	MW-03S	FD-101320	MW-03S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/16/18	11/13/19	11/13/19	10/13/20	10/13/20
Parameter	Units	Criteria*		Field Duplicate (1-1)		Field Duplicate (1-1)	
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	1.7 U	2.1 U	2.1 U	2 U	2 U
Vinyl chloride	UG/L	2	46.1	39.2	34.2	41.6	38.9
Xylene (total)	UG/L	5	1.2 U	1.5 U	1.5 U	3 U	3 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	2.58	0.805	0.795	1.2	1.1
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-03S	MW-03S	MW-03S	MW-03S	MW-08
Sample ID			FD-092121	MW-03S	FD-092022	MW-03S	MW-08
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/21/21	09/21/21	09/20/22	09/20/22	02/08/17
Parameter	Units	Criteria*	Field Duplicate (1-1)		Field Duplicate (1-1)		
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	0.48 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	0.53 U	0.53 U	NA
1,1-Dichloroethane	UG/L	5	17.2	20.9	20.1	20.1	0.32 U
1,1-Dichloroethene	UG/L	5	4.4	4.8	4.9	4.7	0.69 U
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.6 U	0.6 U	0.6 U	0.29 U
1,2-Dichloroethene (cis)	UG/L	5	581 DJ	703 D	618 D	623 D	0.26 U
1,2-Dichloroethene (trans)	UG/L	5	0.99 J	1.5	1.6	2.0	0.32 U
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	12.7 U
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	1.9 U	1.9 U	NA
Acetone	UG/L	50	3.1 UJ	3.1 U	3.1 U	3.1 U	3.44 UJ
Benzene	UG/L	1	0.43 U	0.43 U	0.45 J	0.55	0.28 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	0.73 U	NA
Chloroform	UG/L	7	0.5 U	0.5 U	0.5 U	0.5 U	0.41 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	0.78 U	0.78 U	NA
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	0.6 U	0.30 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	0.65 U	NA
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 U	6.9 U	2.7 U	2.7 U	1.20 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	0.51 U	0.28 U
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	0.6 U	0.6 U	NA
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	0.56 U	0.56 U	0.57 UJ
Toluene	UG/L	5	0.53 U	0.53 U	0.49 U	0.49 U	0.28 U
Trichloroethene	UG/L	5	1.3	1.6	1.6	1.6	0.38 UJ

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-03S	MW-03S	MW-03S	MW-03S	MW-08
Sample ID			FD-092121	MW-03S	FD-092022	MW-03S	MW-08
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/21/21	09/21/21	09/20/22	09/20/22	02/08/17
Parameter	Units	Criteria*	Field Duplicate (1-1)		Field Duplicate (1-1)		
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	0.4 U	0.4 U	NA
Vinyl chloride	UG/L	2	35.7	38.6	30.1	28.2	0.51 U
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	0.38 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	0.90 J	0.66 U	0.97 J	1.7	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	0.151 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <> 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-09	MW-09	MW-09	MW-09	MW-09
Sample ID			MW-09	MW-09	FD-111419-1	MW-09	MW-09
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/10/17	10/15/18	11/14/19	11/14/19	10/13/20
Parameter	Units	Criteria*			Field Duplicate (1-1)		
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	1.05	1.0	0.54 U	0.62 J	1.1
1,1,2-Trichloroethane	UG/L	1	NA	0.53 U	0.53 U	0.53 U	0.53 U
1,1-Dichloroethane	UG/L	5	0.32 U	0.62 J	0.57 U	0.57 U	1.0
1,1-Dichloroethene	UG/L	5	0.69 U	0.59 U	0.59 U	0.59 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	0.28 U	0.60 U	0.6 U	0.6 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	0.33 U	0.51 U	0.51 U	0.51 U	1.2
1,2-Dichloroethene (trans)	UG/L	5	0.38 U	0.54 U	0.54 U	0.54 U	0.54 U
1,4-Dioxane	UG/L	-	11.4 U	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	NA	1.9 U	1.9 U	1.9 U	1.9 U
Acetone	UG/L	50	0.80 UR	6.0 UR	6 UR	6 UR	6 UR
Benzene	UG/L	1	0.28 U	0.43 U	0.43 U	0.43 U	0.43 U
Chloroethane	UG/L	5	NA	0.73 U	0.73 U	0.73 U	0.73 U
Chloroform	UG/L	7	0.33 U	0.50 U	0.5 U	0.5 U	0.5 U
Cyclohexane	UG/L	-	NA	0.78 U	0.78 U	0.78 U	0.78 U
Ethylbenzene	UG/L	5	0.33 U	0.60 U	0.6 U	0.6 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	NA	0.65 U	0.65 U	0.65 U	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	1.07 UR	6.9 U	6.9 UR	6.9 UR	6.9 UR
Methyl tert-butyl ether	UG/L	10	0.24 U	0.51 U	0.51 U	0.51 U	0.51 U
Methylcyclohexane	UG/L	-	NA	0.60 U	0.6 U	0.6 U	0.6 U
Tetrachloroethene	UG/L	5	0.57 U	0.90 U	0.9 U	0.9 U	0.9 U
Toluene	UG/L	5	0.30 U	0.53 U	0.53 U	0.53 U	0.53 U
Trichloroethene	UG/L	5	2.84	2.9	2.1	2.3	3.8

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-09	MW-09	MW-09	MW-09	MW-09
Sample ID			MW-09	MW-09	FD-111419-1	MW-09	MW-09
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/10/17	10/15/18	11/14/19	11/14/19	10/13/20
Parameter	Units	Criteria*			Field Duplicate (1-1)		
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	NA	0.84 UJ	0.84 U	0.84 U	0.4 U
Vinyl chloride	UG/L	2	0.47 U	0.79 U	0.79 U	0.79 U	0.79 U
Xylene (total)	UG/L	5	3.00 U	0.59 U	0.59 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-09	MW-09	MW-10	MW-10	MW-10
Sample ID			MW-09	MW-09	MW-10	MW-10	MW-10
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/21/21	09/20/22	11/09/17	10/16/18	11/13/19
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.93 J	0.51 U	0.54 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	NA	0.53 U	0.53 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.85 J	0.32 U	0.57 U	0.57 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.69 U	0.59 U	0.59 UJ
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.6 U	0.28 U	0.60 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 UJ	1.2	0.33 U	0.51 U	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.38 U	0.54 U	0.54 U
1,4-Dioxane	UG/L	-	NA	NA	11.4 U	NA	NA
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	NA	1.9 U	1.9 UR
Acetone	UG/L	50	3.1 UJ	3.1 U	0.80 UR	6.0 UR	6 UR
Benzene	UG/L	1	0.43 U	0.43 U	0.28 U	0.43 U	0.43 U
Chloroethane	UG/L	5	0.73 U	0.73 U	NA	0.73 U	0.73 U
Chloroform	UG/L	7	0.5 U	0.5 U	0.33 U	0.50 U	0.5 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	NA	0.78 U	0.78 U
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.33 U	0.60 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	NA	0.65 U	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 U	2.7 U	1.07 UR	6.9 U	6.9 UR
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.31 J	0.51 U	0.51 U
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	NA	0.60 U	0.6 U
Tetrachloroethene	UG/L	5	0.9 U	0.56 U	0.57 U	0.90 U	0.9 U
Toluene	UG/L	5	0.53 U	0.49 U	0.30 U	0.53 U	0.53 U
Trichloroethene	UG/L	5	2.6	2.9	0.50 U	0.53 U	0.53 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-09	MW-09	MW-10	MW-10	MW-10
Sample ID			MW-09	MW-09	MW-10	MW-10	MW-10
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/21/21	09/20/22	11/09/17	10/16/18	11/13/19
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	NA	0.84 UJ	0.84 U
Vinyl chloride	UG/L	2	0.79 U	0.52 U	0.47 U	0.79 U	0.79 UJ
Xylene (total)	UG/L	5	0.59 U	0.59 U	3.00 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	0.0447 U	0.0491 J
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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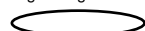
[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-10	MW-10	MW-10	MW-14	MW-14
Sample ID			MW-10	MW-10	MW-10	MW-14	MW-14
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/15/20	09/22/21	09/22/22	11/13/17	10/19/18
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	0.51 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	0.53 U	NA	0.53 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	0.32 U	0.57 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.59 U	0.69 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.6 U	0.6 U	0.28 U	0.60 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	0.51 U	0.51 U	0.33 U	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	0.38 U	0.54 U
1,4-Dioxane	UG/L	-	NA	NA	NA	11.4 U	NA
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	1.9 U	NA	1.9 U
Acetone	UG/L	50	6 UR	3.1 U	3.1 U	1.43 J	6.0 U
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.28 U	0.43 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	NA	0.73 U
Chloroform	UG/L	7	0.5 U	0.5 U	0.5 U	0.33 U	0.50 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	0.78 U	NA	0.78 U
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	0.33 U	0.60 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	NA	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 UR	6.9 UR	2.7 U	1.07 U	6.9 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	0.24 U	0.51 U
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	0.6 U	NA	0.60 U
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	0.56 U	0.57 U	0.90 U
Toluene	UG/L	5	0.53 U	0.53 U	0.49 U	0.30 U	0.53 U
Trichloroethene	UG/L	5	0.53 U	0.53 U	0.53 U	0.50 U	0.53 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-10	MW-10	MW-10	MW-14	MW-14
Sample ID			MW-10	MW-10	MW-10	MW-14	MW-14
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/15/20	09/22/21	09/22/22	11/13/17	10/19/18
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	0.4 U	NA	0.84 U
Vinyl chloride	UG/L	2	0.79 U	0.79 U	0.52 U	0.47 U	0.79 U
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	3.00 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	0.66 U	0.66 U	0.69 U	NA	1.63
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-14	MW-14	MW-14	MW-14	MW-14D
Sample ID			MW-14	MW-14	MW-14	MW-14	MW-14D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/15/19	10/16/20	09/24/21	09/23/22	10/19/18
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	NA
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	0.53 U	0.53 U	NA
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	0.57 U	NA
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	NA
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.6 U	0.6 U	0.6 U	NA
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	0.51 U	0.51 U	0.51 U	NA
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	NA
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	1.9 U	1.9 U	NA
Acetone	UG/L	50	6 UR	6 UR	3.1 U	3.1 U	NA
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	NA
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	0.73 U	NA
Chloroform	UG/L	7	0.5 U	0.5 U	0.5 U	0.5 U	NA
Cyclohexane	UG/L	-	0.78 U	0.78 U	0.78 U	0.78 U	NA
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	0.6 U	NA
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	0.65 U	NA
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 UR	6.9 UR	6.9 UR	2.7 U	NA
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	0.51 U	NA
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	0.6 U	0.6 U	NA
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	0.9 U	0.56 U	NA
Toluene	UG/L	5	0.53 U	0.53 U	0.53 U	0.49 U	NA
Trichloroethene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-14	MW-14	MW-14	MW-14	MW-14D
Sample ID			MW-14	MW-14	MW-14	MW-14	MW-14D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/15/19	10/16/20	09/24/21	09/23/22	10/19/18
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.84 U	0.4 U	0.4 U	0.4 U	NA
Vinyl chloride	UG/L	2	0.79 U	0.79 U	0.79 U	0.52 UJ	NA
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	NA
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	0.71 J	0.73 U	0.66 U	0.69 U	0.171 J
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-14D	MW-14D	MW-14D	MW-14D	MW-17
Sample ID			MW-14D	MW-14D	MW-14D	MW-14D	MW-17
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/15/19	10/16/20	09/24/21	09/23/22	11/10/17
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	NA	NA	NA	NA	0.51 U
1,1,2-Trichloroethane	UG/L	1	NA	NA	NA	NA	NA
1,1-Dichloroethane	UG/L	5	NA	NA	NA	NA	0.32 U
1,1-Dichloroethene	UG/L	5	NA	NA	NA	NA	0.69 U
1,2-Dichloroethane	UG/L	0.6	NA	NA	NA	NA	0.28 U
1,2-Dichloroethene (cis)	UG/L	5	NA	NA	NA	NA	0.33 U
1,2-Dichloroethene (trans)	UG/L	5	NA	NA	NA	NA	0.38 U
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	11.4 U
4-Methyl-2-pentanone	UG/L	-	NA	NA	NA	NA	NA
Acetone	UG/L	50	NA	NA	NA	NA	0.80 UR
Benzene	UG/L	1	NA	NA	NA	NA	0.28 U
Chloroethane	UG/L	5	NA	NA	NA	NA	NA
Chloroform	UG/L	7	NA	NA	NA	NA	0.33 U
Cyclohexane	UG/L	-	NA	NA	NA	NA	NA
Ethylbenzene	UG/L	5	NA	NA	NA	NA	0.33 U
Isopropylbenzene (Cumene)	UG/L	5	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	UG/L	50	NA	NA	NA	NA	1.07 UR
Methyl tert-butyl ether	UG/L	10	NA	NA	NA	NA	0.33 J
Methylcyclohexane	UG/L	-	NA	NA	NA	NA	NA
Tetrachloroethene	UG/L	5	NA	NA	NA	NA	0.57 U
Toluene	UG/L	5	NA	NA	NA	NA	0.30 U
Trichloroethene	UG/L	5	NA	NA	NA	NA	0.50 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-14D	MW-14D	MW-14D	MW-14D	MW-17
Sample ID			MW-14D	MW-14D	MW-14D	MW-14D	MW-17
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/15/19	10/16/20	09/24/21	09/23/22	11/10/17
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	NA	NA	NA	NA	NA
Vinyl chloride	UG/L	2	NA	NA	NA	NA	0.47 U
Xylene (total)	UG/L	5	NA	NA	NA	NA	3.00 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	0.69 U	0.67 U	0.73 U	0.69 U	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-17	MW-17	MW-17	MW-17	MW-17
Sample ID			MW-17	MW-17	MW-17	MW-17	MW-17
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/16/18	11/13/19	10/15/20	09/22/21	09/22/22
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 UJ	0.59 U	0.59 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	0.60 U	0.6 U	0.6 U	0.6 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 UR	1.9 U	1.9 U	1.9 U
Acetone	UG/L	50	6.0 UR	6 UR	6 UR	3.1 U	3.1 U
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
Chloroform	UG/L	7	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Ethylbenzene	UG/L	5	0.60 U	0.6 U	0.6 U	0.6 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 U	6.9 UR	6.9 UR	6.9 UR	2.7 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Methylcyclohexane	UG/L	-	0.60 U	0.6 U	0.6 U	0.6 U	0.6 U
Tetrachloroethene	UG/L	5	0.90 U	0.9 U	0.9 U	0.9 U	0.56 U
Toluene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	0.49 U
Trichloroethene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-17	MW-17	MW-17	MW-17	MW-17
Sample ID			MW-17	MW-17	MW-17	MW-17	MW-17
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/16/18	11/13/19	10/15/20	09/22/21	09/22/22
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.84 UJ	0.84 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	UG/L	2	0.79 U	0.79 UJ	0.79 U	0.79 U	0.52 U
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	0.0447 U	0.049 U	0.66 U	0.66 U	0.67 U
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-18	MW-18	MW-18	MW-18	MW-18
Sample ID			MW-18	MW-18	MW-18	FD-101620	MW-18
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/13/17	10/19/18	11/18/19	10/16/20	10/16/20
Parameter	Units	Criteria*				Field Duplicate (1-1)	
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	50.9 U	27 U	11 U	13 U	13 U
1,1,2-Trichloroethane	UG/L	1	NA	27 U	11 U	13 U	13 U
1,1-Dichloroethane	UG/L	5	51.0 J	39.4 J	32.3	25.3	24.1
1,1-Dichloroethene	UG/L	5	69.3 U	62.2	43.4	28.2	26.8
1,2-Dichloroethane	UG/L	0.6	27.7 U	30 U	12 U	15 U	15 U
1,2-Dichloroethene (cis)	UG/L	5	6,640	13,100 D	7,160 D	5,650	5,850
1,2-Dichloroethene (trans)	UG/L	5	38.0 J	54.7	53.4	40.3	61.9
1,4-Dioxane	UG/L	-	1,140 U	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	NA	93 U	58.1 J	46 U	46 U
Acetone	UG/L	50	80.4 U	300 U	120 UR	150 U	150 U
Benzene	UG/L	1	28.4 U	21 U	8.5 U	11 U	11 U
Chloroethane	UG/L	5	NA	36 U	15 U	18 U	18 U
Chloroform	UG/L	7	32.6 U	25 U	10 U	13 U	13 U
Cyclohexane	UG/L	-	NA	39 U	54.5 J	20 U	20 U
Ethylbenzene	UG/L	5	32.9 U	30 U	12 U	15 U	15 U
Isopropylbenzene (Cumene)	UG/L	5	NA	32 U	13 U	16 U	16 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	107 U	340 U	243 J	170 UR	170 UR
Methyl tert-butyl ether	UG/L	10	23.7 U	25 U	10 U	13 U	13 U
Methylcyclohexane	UG/L	-	NA	30 U	12 U	15 U	15 U
Tetrachloroethene	UG/L	5	57.0 U	45 U	18 U	22 U	22 U
Toluene	UG/L	5	29.9 U	27 U	11 U	13 U	13 U
Trichloroethene	UG/L	5	3,950	6,980	2,810	3,480	3,420

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-18	MW-18	MW-18	MW-18	MW-18
Sample ID			MW-18	MW-18	MW-18	FD-101620	MW-18
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/13/17	10/19/18	11/18/19	10/16/20	10/16/20
Parameter	Units	Criteria*				Field Duplicate (1-1)	
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	NA	42 U	17 U	10 U	10 U
Vinyl chloride	UG/L	2	1,840	1,830	769	580	539
Xylene (total)	UG/L	5	300 U	30 U	12 U	15 U	15 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-18	MW-18	MW-19	MW-19	MW-19
Sample ID			MW-18	MW-18	MW-19	MW-19	MW-19
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/23/21	09/22/22	11/09/17	10/17/18	11/13/19
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	11 U	0.51 U	0.54 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	11 U	NA	0.53 U	0.53 U
1,1-Dichloroethane	UG/L	5	28.1	20.7	0.32 U	0.57 U	0.57 U
1,1-Dichloroethene	UG/L	5	20.1	19.6 J	0.69 U	0.59 U	0.59 UJ
1,2-Dichloroethane	UG/L	0.6	0.6 U	12 U	0.28 U	0.60 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	3,160 D	4,350	0.33 U	0.51 U	0.55 J
1,2-Dichloroethene (trans)	UG/L	5	32.3	51.3	0.38 U	0.54 U	0.54 U
1,4-Dioxane	UG/L	-	NA	NA	11.4 U	NA	NA
4-Methyl-2-pentanone	UG/L	-	1.9 U	37 U	NA	1.9 U	1.9 UR
Acetone	UG/L	50	3.1 UR	61 U	0.80 UR	6.0 U	6 UR
Benzene	UG/L	1	0.43 U	8.5 U	0.28 U	0.43 U	0.43 U
Chloroethane	UG/L	5	0.73 U	15 U	NA	0.73 U	0.73 U
Chloroform	UG/L	7	0.5 U	10 U	0.33 U	0.50 U	0.5 U
Cyclohexane	UG/L	-	0.78 U	16 U	NA	0.78 U	0.78 U
Ethylbenzene	UG/L	5	0.6 U	12 U	0.33 U	0.60 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	13 U	NA	0.65 U	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 U	55 U	1.07 UR	6.9 U	6.9 UR
Methyl tert-butyl ether	UG/L	10	0.51 U	10 U	0.24 U	0.51 U	0.51 U
Methylcyclohexane	UG/L	-	0.6 U	16.2 J	NA	0.60 U	0.6 U
Tetrachloroethene	UG/L	5	0.9 U	11 U	0.57 U	0.90 U	0.9 U
Toluene	UG/L	5	0.53 U	9.8 U	0.30 U	0.53 U	0.53 U
Trichloroethene	UG/L	5	441 D	432	1.25	1.1	1.1

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-18	MW-18	MW-19	MW-19	MW-19
Sample ID			MW-18	MW-18	MW-19	MW-19	MW-19
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/23/21	09/22/22	11/09/17	10/17/18	11/13/19
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.4 U	8 U	NA	0.84 U	0.84 U
Vinyl chloride	UG/L	2	781 DJ	996 J	0.47 U	0.79 U	0.79 UJ
Xylene (total)	UG/L	5	0.59 U	12 U	3.00 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	0.121 U	0.121 U	0.28 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-19	MW-19	MW-19	MW-19	MW-19
Sample ID			FD-101520	MW-19	FD-092221	MW-19	FD-092222
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/15/20	10/15/20	09/22/21	09/22/21	09/22/22
Parameter	Units	Criteria*	Field Duplicate (1-1)		Field Duplicate (1-1)		Field Duplicate (1-1)
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	NA	0.54 U	NA	0.54 U	NA
1,1,2-Trichloroethane	UG/L	1	NA	0.53 U	NA	0.53 U	NA
1,1-Dichloroethane	UG/L	5	NA	0.57 U	NA	0.57 U	NA
1,1-Dichloroethene	UG/L	5	NA	0.59 U	NA	0.59 U	NA
1,2-Dichloroethane	UG/L	0.6	NA	0.6 U	NA	0.6 U	NA
1,2-Dichloroethene (cis)	UG/L	5	NA	0.51 U	NA	2.8	NA
1,2-Dichloroethene (trans)	UG/L	5	NA	0.54 U	NA	0.54 U	NA
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	NA	1.9 U	NA	1.9 U	NA
Acetone	UG/L	50	NA	6 UR	NA	3.1 U	NA
Benzene	UG/L	1	NA	0.43 U	NA	0.43 U	NA
Chloroethane	UG/L	5	NA	0.73 U	NA	0.73 U	NA
Chloroform	UG/L	7	NA	0.5 U	NA	0.5 U	NA
Cyclohexane	UG/L	-	NA	0.78 U	NA	0.78 U	NA
Ethylbenzene	UG/L	5	NA	0.6 U	NA	0.6 U	NA
Isopropylbenzene (Cumene)	UG/L	5	NA	0.65 U	NA	0.65 U	NA
Methyl ethyl ketone (2-Butanone)	UG/L	50	NA	6.9 UR	NA	6.9 UR	NA
Methyl tert-butyl ether	UG/L	10	NA	0.51 U	NA	0.51 U	NA
Methylcyclohexane	UG/L	-	NA	0.6 U	NA	0.6 U	NA
Tetrachloroethene	UG/L	5	NA	0.9 U	NA	0.9 U	NA
Toluene	UG/L	5	NA	0.53 U	NA	0.53 U	NA
Trichloroethene	UG/L	5	NA	1.3	NA	1.1	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-19	MW-19	MW-19	MW-19	MW-19
Sample ID			FD-101520	MW-19	FD-092221	MW-19	FD-092222
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/15/20	10/15/20	09/22/21	09/22/21	09/22/22
Parameter	Units	Criteria*	Field Duplicate (1-1)		Field Duplicate (1-1)		Field Duplicate (1-1)
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	NA	0.4 U	NA	0.4 U	NA
Vinyl chloride	UG/L	2	NA	0.79 U	NA	0.79 U	NA
Xylene (total)	UG/L	5	NA	0.59 U	NA	0.59 U	NA
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	0.28 U	0.28 U	0.28 U	0.28 U	0.33 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-19	MW-21	MW-21	MW-21	MW-21
Sample ID			MW-19	MW-21	MW-21	MW-21	MW-21
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/22/22	11/10/17	10/17/18	11/15/19	10/14/20
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.51 U	0.54 U	0.54 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	NA	0.53 U	0.53 U	0.53 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.32 U	0.57 U	0.57 U	0.57 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.69 U	0.59 U	0.59 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.28 U	0.60 U	0.6 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	1.04	0.54 J	0.51 U	2.8
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.38 U	0.54 U	0.54 U	0.54 U
1,4-Dioxane	UG/L	-	NA	11.4 U	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	1.9 U	NA	1.9 U	1.9 U	1.9 U
Acetone	UG/L	50	3.1 U	0.80 UR	6.0 U	6 UR	6 UR
Benzene	UG/L	1	0.43 U	0.28 U	0.43 U	0.43 U	0.43 U
Chloroethane	UG/L	5	0.73 U	NA	0.73 U	0.73 U	0.73 U
Chloroform	UG/L	7	0.5 U	0.33 U	0.50 U	0.5 U	0.5 U
Cyclohexane	UG/L	-	0.78 U	NA	0.78 U	0.78 U	0.78 U
Ethylbenzene	UG/L	5	0.6 U	0.33 U	0.60 U	0.6 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	NA	0.65 U	0.65 U	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	2.7 U	1.07 UR	6.9 U	6.9 UR	6.9 UR
Methyl tert-butyl ether	UG/L	10	0.51 U	0.24 U	0.51 U	0.51 U	0.51 U
Methylcyclohexane	UG/L	-	0.6 U	NA	0.60 U	0.6 U	0.6 U
Tetrachloroethene	UG/L	5	0.56 U	0.57 U	0.90 U	0.9 U	0.9 U
Toluene	UG/L	5	0.49 U	0.30 U	0.53 U	0.53 U	0.53 U
Trichloroethene	UG/L	5	1.0	5.23	0.57 J	5.0	0.61 J

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-19	MW-21	MW-21	MW-21	MW-21
Sample ID			MW-19	MW-21	MW-21	MW-21	MW-21
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/22/22	11/10/17	10/17/18	11/15/19	10/14/20
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.4 U	NA	0.84 U	0.84 U	0.4 U
Vinyl chloride	UG/L	2	0.52 U	0.47 U	0.79 U	0.79 U	0.79 U
Xylene (total)	UG/L	5	0.59 U	3.00 U	0.59 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	0.33 U	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-21	MW-21	MW-23	MW-23	MW-23
Sample ID			MW-21	MW-21	FD-110917	MW-23	MW-23
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/22/21	09/21/22	11/09/17	11/09/17	10/17/18
Parameter	Units	Criteria*			Field Duplicate (1-1)		
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	79.0 J	97.0 J	79.9
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	NA	NA	0.72 J
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	271	261	228 D
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	69.3 U	69.3 U	23.7
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.6 U	27.7 U	27.7 U	0.72 J
1,2-Dichloroethene (cis)	UG/L	5	1.6	2.5	5,970	4,020	3,250 D
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	37.7 U	37.7 U	19.2
1,4-Dioxane	UG/L	-	NA	NA	1,140 U	1,140 U	NA
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	NA	NA	1.9 U
Acetone	UG/L	50	3.1 U	4.1 J	80.4 UR	80.4 UR	6.0 UR
Benzene	UG/L	1	0.43 U	0.43 U	28.4 U	28.4 U	1.5
Chloroethane	UG/L	5	0.73 U	0.73 U	NA	NA	11.8
Chloroform	UG/L	7	0.5 U	0.5 U	32.6 U	32.6 U	0.50 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	NA	NA	0.78 U
Ethylbenzene	UG/L	5	0.6 U	0.6 U	32.9 U	50.0 J	17.8
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	NA	NA	2.0
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 UR	2.7 U	107 UR	107 UR	6.9 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	23.7 U	23.7 U	0.51 U
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	NA	NA	0.60 U
Tetrachloroethene	UG/L	5	0.9 U	0.56 U	57.0 U	57.0 U	0.90 U
Toluene	UG/L	5	0.53 U	0.49 U	81.0 J	87.0 J	48.3
Trichloroethene	UG/L	5	1.9	0.53 U	491	318	168 D

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-21	MW-21	MW-23	MW-23	MW-23
Sample ID			MW-21	MW-21	FD-110917	MW-23	MW-23
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/22/21	09/21/22	11/09/17	11/09/17	10/17/18
Parameter	Units	Criteria*			Field Duplicate (1-1)		
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	NA	NA	0.84 U
Vinyl chloride	UG/L	2	0.79 U	0.52 U	233	227	221 D
Xylene (total)	UG/L	5	0.59 U	0.59 U	300 U	300 U	16.4
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	0.127 U	0.127 U	0.123 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-23	MW-23	MW-23	MW-23	MW-26
Sample ID			MW-23	MW-23	MW-23	MW-23	MW-26
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/13/19	10/15/20	09/22/21	09/22/22	11/09/17
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	84.4	108	51.9	56.7	1.17
1,1,2-Trichloroethane	UG/L	1	2.7 U	2.7 U	2.7 U	0.53 U	NA
1,1-Dichloroethane	UG/L	5	178	249	142	173 D	0.52 J
1,1-Dichloroethene	UG/L	5	13.7	11.1	12.9	20.8	0.69 U
1,2-Dichloroethane	UG/L	0.6	3 U	3 U	3 U	0.6 U	0.28 U
1,2-Dichloroethene (cis)	UG/L	5	1,930 D	1,880	1,440 D	2,150 D	0.33 U
1,2-Dichloroethene (trans)	UG/L	5	10.6	15.7	11.7	11.1	0.38 U
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	11.4 U
4-Methyl-2-pentanone	UG/L	-	9.3 U	9.3 U	9.3 U	1.9 U	NA
Acetone	UG/L	50	30 UR	30 U	15 U	3.2 J	0.80 U
Benzene	UG/L	1	2.1 U	2.1 U	2.1 U	1.0	0.28 U
Chloroethane	UG/L	5	12.4	11.5	3.6 U	6.4 J	NA
Chloroform	UG/L	7	2.5 U	2.5 U	2.5 U	0.5 U	0.33 U
Cyclohexane	UG/L	-	3.9 U	3.9 U	3.9 U	0.78 U	NA
Ethylbenzene	UG/L	5	15.5	18.4	12.8	13.6	0.33 U
Isopropylbenzene (Cumene)	UG/L	5	3.2 U	3.2 U	3.2 U	1.8	NA
Methyl ethyl ketone (2-Butanone)	UG/L	50	34 UR	34 U	34 UR	2.7 U	1.07 U
Methyl tert-butyl ether	UG/L	10	2.5 U	2.5 U	2.5 U	0.51 U	0.24 U
Methylcyclohexane	UG/L	-	3 U	3 U	3 U	8.7	NA
Tetrachloroethene	UG/L	5	4.5 U	4.5 U	4.5 U	0.56 U	1.13
Toluene	UG/L	5	31.3	13.9	2.7 U	5.5	0.30 U
Trichloroethene	UG/L	5	202	128	182	236	8.17

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-23	MW-23	MW-23	MW-23	MW-26
Sample ID			MW-23	MW-23	MW-23	MW-23	MW-26
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/13/19	10/15/20	09/22/21	09/22/22	11/09/17
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	4.2 U	2 U	2 U	0.4 U	NA
Vinyl chloride	UG/L	2	64.7	255	53.9	167 J	0.47 U
Xylene (total)	UG/L	5	10.3	5.1	3 U	3.2	3.00 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	0.28 U	0.28 U	0.28 U	0.33 U	0.120 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-26	MW-26	MW-26	MW-26	MW-26
Sample ID			MW-26	MW-26	MW-26	MW-26	MW-26
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/17/18	11/13/19	10/15/20	09/22/21	09/22/22
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	1.1	0.54 U	0.54 U	0.54 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	1.5	0.57 U	0.57 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 UJ	0.59 U	0.59 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	0.60 U	0.6 U	0.6 U	0.6 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	0.51 U	5.5	0.51 U	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 UR	1.9 U	1.9 U	1.9 U
Acetone	UG/L	50	6.0 U	6 UR	6 U	3.1 U	3.1 U
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
Chloroform	UG/L	7	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Ethylbenzene	UG/L	5	0.60 U	0.6 U	0.6 U	0.6 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 U	6.9 UR	6.9 U	6.9 UR	2.7 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Methylcyclohexane	UG/L	-	0.60 U	0.6 U	0.6 U	0.6 U	0.6 U
Tetrachloroethene	UG/L	5	1.2	0.9 U	0.9 U	0.9 U	0.56 U
Toluene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	0.49 U
Trichloroethene	UG/L	5	9.0	1.9	6.0	1.4	0.53 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-26	MW-26	MW-26	MW-26	MW-26
Sample ID			MW-26	MW-26	MW-26	MW-26	MW-26
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/17/18	11/13/19	10/15/20	09/22/21	09/22/22
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.84 U	0.84 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	UG/L	2	0.79 U	0.79 UJ	2.5	0.79 U	0.52 U
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	0.117 U	0.28 U	0.28 U	0.29 U	0.33 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-38	MW-38	MW-38	MW-38	MW-38
Sample ID			MW-38	MW-38	MW-38	MW-38	MW-38
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/09/17	10/17/18	11/13/19	10/15/20	09/22/21
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.51 U	0.54 U	0.54 U	0.54 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	NA	0.53 U	0.53 U	0.53 U	0.53 U
1,1-Dichloroethane	UG/L	5	0.32 U	0.57 U	0.57 U	0.57 U	0.57 U
1,1-Dichloroethene	UG/L	5	0.69 U	0.59 U	0.59 UJ	0.59 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	0.28 U	0.60 U	0.6 U	0.6 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	8.12	11.5	0.51 U	3.0	0.59 J
1,2-Dichloroethene (trans)	UG/L	5	0.38 U	0.54 U	0.54 U	0.54 U	0.54 U
1,4-Dioxane	UG/L	-	11.4 U	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	NA	1.9 U	1.9 UR	1.9 U	1.9 U
Acetone	UG/L	50	0.80 UR	6.0 U	6 UR	6 U	3.1 U
Benzene	UG/L	1	0.28 U	0.43 U	0.43 U	0.43 U	0.43 U
Chloroethane	UG/L	5	NA	0.73 U	0.73 U	0.73 U	0.73 U
Chloroform	UG/L	7	0.33 U	0.50 U	0.5 U	0.5 U	0.5 U
Cyclohexane	UG/L	-	NA	0.78 U	0.78 U	0.78 U	0.78 U
Ethylbenzene	UG/L	5	0.33 U	0.60 U	0.6 U	0.6 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	NA	0.65 U	0.65 U	0.65 U	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	1.07 UR	6.9 U	6.9 UR	6.9 U	6.9 UR
Methyl tert-butyl ether	UG/L	10	0.24 U	0.51 U	0.51 U	0.51 U	0.51 U
Methylcyclohexane	UG/L	-	NA	0.60 U	0.6 U	0.6 U	0.6 U
Tetrachloroethene	UG/L	5	0.57 U	0.90 U	0.9 U	0.9 U	0.9 U
Toluene	UG/L	5	0.30 U	0.53 U	0.53 U	0.53 U	0.53 U
Trichloroethene	UG/L	5	21.0	17.0	4.7	5.6	8.1

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-38	MW-38	MW-38	MW-38	MW-38
Sample ID			MW-38	MW-38	MW-38	MW-38	MW-38
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/09/17	10/17/18	11/13/19	10/15/20	09/22/21
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	NA	3.1	3.5	3.5	4.1
Vinyl chloride	UG/L	2	0.47 U	0.79 U	0.79 UJ	0.79 U	0.79 U
Xylene (total)	UG/L	5	3.00 U	0.59 U	0.59 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	0.126 U	0.125 U	0.28 U	0.28 U	0.28 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-38	MW-44	MW-44	MW-44	MW-44
Sample ID			MW-38	MW-44	FD-101818	MW-44	FD-111519
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/22/22	11/10/17	10/18/18	10/18/18	11/15/19
Parameter	Units	Criteria*			Field Duplicate (1-1)		Field Duplicate (1-1)
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	1.41	1.0	0.99 J	1.3
1,1,2-Trichloroethane	UG/L	1	0.53 U	NA	0.53 U	0.53 U	0.53 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.32 U	1.1	1.1	0.57 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.69 U	0.59 U	0.59 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.28 U	0.60 U	0.60 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	1.2	0.33 U	1.3	1.4	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.38 U	0.54 U	0.54 U	0.54 U
1,4-Dioxane	UG/L	-	NA	11.4 U	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	1.9 U	NA	1.9 U	1.9 U	1.9 U
Acetone	UG/L	50	3.1 U	0.80 UR	6.0 U	6.0 U	6 UR
Benzene	UG/L	1	0.43 U	0.28 U	0.43 U	0.43 U	0.43 U
Chloroethane	UG/L	5	0.73 U	NA	0.73 U	0.73 U	0.73 U
Chloroform	UG/L	7	0.5 U	0.33 U	0.50 U	0.50 U	0.5 U
Cyclohexane	UG/L	-	0.78 U	NA	0.78 U	0.78 U	0.78 U
Ethylbenzene	UG/L	5	0.6 U	0.33 U	0.60 U	0.60 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	NA	0.65 U	0.65 U	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	2.7 U	1.07 UR	6.9 U	6.9 U	6.9 UR
Methyl tert-butyl ether	UG/L	10	0.51 U	0.24 U	0.51 U	0.51 U	0.51 U
Methylcyclohexane	UG/L	-	0.6 U	NA	0.60 U	0.60 U	0.6 U
Tetrachloroethene	UG/L	5	0.56 U	0.57 U	0.90 U	0.90 U	0.9 U
Toluene	UG/L	5	0.49 U	0.30 U	0.53 U	0.53 U	0.53 U
Trichloroethene	UG/L	5	13.1	4.99	6.3	6.3	4.7

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-38	MW-44	MW-44	MW-44	MW-44
Sample ID			MW-38	MW-44	FD-101818	MW-44	FD-111519
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/22/22	11/10/17	10/18/18	10/18/18	11/15/19
Parameter	Units	Criteria*			Field Duplicate (1-1)		Field Duplicate (1-1)
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	7.4	NA	0.84 U	0.84 U	0.84 U
Vinyl chloride	UG/L	2	0.52 U	0.47 U	0.79 U	0.79 U	0.79 U
Xylene (total)	UG/L	5	0.59 U	3.00 U	0.90 J	0.94 J	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	0.33 U	0.116 U	0.116 U	0.115 U	0.28 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-44	MW-44	MW-44	MW-44	MW-45
Sample ID			MW-44	MW-44	MW-44	MW-44	MW-45
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/15/19	10/14/20	09/23/21	09/22/22	11/14/17
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	1.3	0.85 J	0.70 J	1.0	2.54 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	0.53 U	0.53 U	NA
1,1-Dichloroethane	UG/L	5	0.57 U	0.92 J	0.65 J	0.57 U	1.62 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	3.46 U
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.6 U	0.6 U	0.6 U	1.38 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	1.9	0.81 J	0.51 U	26.2
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.61 J	0.54 U	6.05
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	57.0 U
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	1.9 U	1.9 U	NA
Acetone	UG/L	50	6 UR	6 UR	3.1 UR	3.1 U	4.02 U
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	1.42 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	0.73 U	NA
Chloroform	UG/L	7	0.5 U	0.5 U	0.5 U	0.5 U	1.63 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	0.78 U	0.78 U	NA
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	0.6 U	1.64 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	0.65 U	NA
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 UR	6.9 UR	6.9 U	2.7 U	5.35 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	0.51 U	1.18 U
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	0.6 U	0.6 U	NA
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	0.9 U	0.56 U	2.85 U
Toluene	UG/L	5	0.53 U	0.53 U	0.53 U	0.49 U	1.50 U
Trichloroethene	UG/L	5	4.2	38.7	5.2	4.7	226

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-44	MW-44	MW-44	MW-44	MW-45
Sample ID			MW-44	MW-44	MW-44	MW-44	MW-45
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/15/19	10/14/20	09/23/21	09/22/22	11/14/17
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.84 U	0.4 U	0.4 U	0.4 U	NA
Vinyl chloride	UG/L	2	0.79 U	0.79 U	0.79 U	0.52 U	2.36 U
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	15.0 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	0.28 U	0.28 U	0.28 U	0.33 U	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-45	MW-45	MW-45	MW-45	MW-45
Sample ID			MW-45	MW-45	MW-45	MW-45	MW-45
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/18/18	11/15/19	10/14/20	09/23/21	09/23/22
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	0.60 U	0.6 U	0.6 U	0.6 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	12.5	17.0	1.7	11.5	17.2
1,2-Dichloroethene (trans)	UG/L	5	3.0	3.9	0.54 U	2.3	3.2
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Acetone	UG/L	50	6.0 U	6 UR	6 UR	3.1 UR	3.1 U
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
Chloroform	UG/L	7	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	0.78 U	0.78 U	0.78 UJ
Ethylbenzene	UG/L	5	0.60 U	0.6 U	0.6 U	0.6 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 U	6.9 UR	6.9 UR	6.9 U	2.7 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Methylcyclohexane	UG/L	-	0.60 U	0.6 U	0.6 U	0.6 U	0.6 U
Tetrachloroethene	UG/L	5	0.90 U	0.9 U	0.9 U	0.9 U	0.56 U
Toluene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	0.49 U
Trichloroethene	UG/L	5	119	162	18.8	109	116

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-45	MW-45	MW-45	MW-45	MW-45
Sample ID			MW-45	MW-45	MW-45	MW-45	MW-45
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/18/18	11/15/19	10/14/20	09/23/21	09/23/22
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.84 U	0.84 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	UG/L	2	0.79 U	1.2	0.79 U	1.2	1.7
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <> 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-48	MW-48	MW-48	MW-48	MW-48
Sample ID			MW-48	MW-48	MW-48	MW-48	MW-48
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/13/17	10/18/18	11/15/19	10/14/20	09/23/21
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.51 U	0.54 U	0.54 U	0.54 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	NA	0.53 U	0.53 U	0.53 U	0.53 U
1,1-Dichloroethane	UG/L	5	0.96 J	1.2	0.83 J	2.0	2.0
1,1-Dichloroethene	UG/L	5	0.69 U	0.59 U	0.59 U	0.59 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	0.28 U	0.60 U	0.6 U	0.6 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	5.12	10.5	2.5	44.4	7.4
1,2-Dichloroethene (trans)	UG/L	5	0.45 J	0.79 J	0.54 U	2.9	0.54 U
1,4-Dioxane	UG/L	-	11.4 U	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	NA	1.9 U	1.9 U	1.9 U	1.9 U
Acetone	UG/L	50	0.88 J	6.0 U	6 UR	6 UR	3.1 UR
Benzene	UG/L	1	0.28 U	0.43 U	0.43 U	0.43 U	0.43 U
Chloroethane	UG/L	5	NA	0.73 U	0.73 U	0.73 U	0.73 U
Chloroform	UG/L	7	0.33 U	0.50 U	0.5 U	0.5 U	0.5 U
Cyclohexane	UG/L	-	NA	0.78 U	0.78 U	0.78 U	0.78 U
Ethylbenzene	UG/L	5	0.33 U	0.60 U	0.6 U	0.6 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	NA	0.65 U	0.65 U	0.65 U	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	1.07 U	6.9 U	6.9 UR	6.9 UR	6.9 U
Methyl tert-butyl ether	UG/L	10	0.24 U	0.51 U	0.51 U	0.51 U	0.51 U
Methylcyclohexane	UG/L	-	NA	0.60 U	0.6 U	0.6 U	0.6 U
Tetrachloroethene	UG/L	5	0.57 U	0.90 U	0.9 U	0.9 U	0.9 U
Toluene	UG/L	5	0.30 U	0.53 U	0.53 U	0.53 U	0.53 U
Trichloroethene	UG/L	5	10.7	16.1	20.6	29.7	12.3

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-48	MW-48	MW-48	MW-48	MW-48
Sample ID			MW-48	MW-48	MW-48	MW-48	MW-48
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/13/17	10/18/18	11/15/19	10/14/20	09/23/21
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	NA	0.84 U	0.84 U	0.4 U	0.4 U
Vinyl chloride	UG/L	2	0.47 U	0.79 U	0.79 U	0.79 U	0.79 U
Xylene (total)	UG/L	5	3.00 U	0.59 U	0.59 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-48	MW-50	MW-50	MW-50	MW-50
Sample ID			MW-48	MW-50	MW-50	MW-50	MW-50
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/21/22	11/13/17	10/19/18	11/15/19	10/14/20
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.51 U	0.54 U	0.54 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	NA	0.53 U	0.53 U	0.53 U
1,1-Dichloroethane	UG/L	5	1.9	0.32 U	0.57 U	0.66 J	0.57 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.69 U	0.59 U	0.59 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.28 U	0.60 U	0.6 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	39.7	0.70 U	0.56 J	0.51 U	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	2.4	0.38 U	0.54 U	0.54 U	0.54 U
1,4-Dioxane	UG/L	-	NA	11.4 U	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	1.9 U	NA	1.9 U	1.9 U	1.9 U
Acetone	UG/L	50	3.1 U	0.80 U	6.0 U	6 UR	6 UR
Benzene	UG/L	1	0.43 U	0.28 U	0.43 U	0.43 U	0.43 U
Chloroethane	UG/L	5	0.73 U	NA	0.73 U	0.73 U	0.73 U
Chloroform	UG/L	7	0.5 U	0.33 U	0.50 U	0.5 U	0.5 U
Cyclohexane	UG/L	-	0.78 U	NA	0.78 U	0.78 U	0.78 U
Ethylbenzene	UG/L	5	0.6 U	0.33 U	0.60 U	0.6 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	NA	0.65 U	0.65 U	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	2.7 U	1.07 U	6.9 U	6.9 UR	6.9 UR
Methyl tert-butyl ether	UG/L	10	0.51 U	0.24 U	0.51 U	0.51 U	0.51 U
Methylcyclohexane	UG/L	-	0.6 U	NA	0.60 U	0.6 U	0.6 U
Tetrachloroethene	UG/L	5	0.56 U	0.57 U	0.90 U	0.9 U	0.9 U
Toluene	UG/L	5	0.49 U	0.30 U	0.53 U	0.53 U	0.53 U
Trichloroethene	UG/L	5	84.7	0.90 U	0.70 J	0.53 U	0.53 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-48	MW-50	MW-50	MW-50	MW-50
Sample ID			MW-48	MW-50	MW-50	MW-50	MW-50
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/21/22	11/13/17	10/19/18	11/15/19	10/14/20
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.4 U	NA	0.84 U	0.84 U	0.4 U
Vinyl chloride	UG/L	2	1.0	0.47 U	0.79 U	0.79 U	0.79 U
Xylene (total)	UG/L	5	0.59 U	3.00 U	0.59 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-50	MW-50	MW-57	MW-57	MW-57
Sample ID			MW-50	MW-50	MW-57	MW-57	MW-57
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/23/21	09/22/22	11/13/17	10/19/18	11/18/19
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.51 U	0.54 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	NA	0.53 U	0.53 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.32 U	0.57 U	0.57 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.69 U	1.7	1.2
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.6 U	0.28 U	0.60 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	0.51 U	88.3	164 D	317 D
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.45 J	1.6	0.81 J
1,4-Dioxane	UG/L	-	NA	NA	11.4 U	NA	NA
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	NA	1.9 U	1.9 U
Acetone	UG/L	50	3.1 UR	3.1 U	0.80 U	6.0 U	6 U
Benzene	UG/L	1	0.43 U	0.43 U	0.28 U	0.43 U	0.43 U
Chloroethane	UG/L	5	0.73 U	0.73 U	NA	0.73 U	0.73 U
Chloroform	UG/L	7	0.5 U	0.5 U	0.33 U	0.50 U	0.5 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	NA	0.78 U	0.78 U
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.33 U	0.60 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	NA	0.65 U	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 U	2.7 U	1.07 U	6.9 U	6.9 UR
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.24 U	0.51 U	0.51 U
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	NA	0.60 U	0.6 U
Tetrachloroethene	UG/L	5	0.9 U	0.56 U	0.57 U	0.90 U	0.9 U
Toluene	UG/L	5	0.53 U	0.49 U	0.30 U	0.53 U	0.53 U
Trichloroethene	UG/L	5	0.53 U	0.53 U	1.77	2.2	0.96 J

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-50	MW-50	MW-57	MW-57	MW-57
Sample ID			MW-50	MW-50	MW-57	MW-57	MW-57
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/23/21	09/22/22	11/13/17	10/19/18	11/18/19
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	NA	0.84 U	0.84 U
Vinyl chloride	UG/L	2	0.79 U	0.52 U	37.5	115	270 D
Xylene (total)	UG/L	5	0.59 U	0.59 U	3.00 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-57	MW-57	MW-57	MW-58	MW-58
Sample ID			MW-57	MW-57	MW-57	MW-58	MW-58
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/16/20	09/23/21	09/22/22	11/13/17	10/18/18
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	0.51 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	0.53 U	NA	0.53 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	0.32 U	0.57 U
1,1-Dichloroethene	UG/L	5	1.1	0.59 U	1.6	0.69 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.6 U	0.6 U	0.28 U	0.60 U
1,2-Dichloroethene (cis)	UG/L	5	298	93.5	387 D	26.5	25.9
1,2-Dichloroethene (trans)	UG/L	5	1.3	0.75 J	1.6	0.44 J	0.54 U
1,4-Dioxane	UG/L	-	NA	NA	NA	11.4 U	NA
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 UJ	1.9 U	NA	1.9 U
Acetone	UG/L	50	6 U	3.1 UJ	3.1 U	0.80 U	6.0 U
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.28 U	0.43 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	NA	0.73 U
Chloroform	UG/L	7	0.5 U	0.5 U	0.5 U	0.33 U	0.50 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	0.78 U	NA	0.78 U
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	0.33 U	0.60 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	NA	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 UR	6.9 UR	2.7 U	1.07 U	6.9 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	0.24 U	0.51 U
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	0.6 U	NA	0.60 U
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	0.56 U	0.57 U	0.90 U
Toluene	UG/L	5	0.53 U	0.53 U	0.49 U	0.30 U	0.53 U
Trichloroethene	UG/L	5	0.53 U	1.4	0.59 J	5.03	3.3

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-57	MW-57	MW-57	MW-58	MW-58
Sample ID			MW-57	MW-57	MW-57	MW-58	MW-58
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/16/20	09/23/21	09/22/22	11/13/17	10/18/18
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	0.4 U	NA	0.84 U
Vinyl chloride	UG/L	2	394	324 D	546 D	8.20	1.9
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	3.00 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-58	MW-58	MW-58	MW-58	MW-66
Sample ID			MW-58	MW-58	MW-58	MW-58	MW-66
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/18/19	10/16/20	09/24/21	09/23/22	11/13/17
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	0.51 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	0.53 U	0.53 U	NA
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	0.57 U	0.32 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	0.69 U
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.6 U	0.6 U	0.6 U	0.28 U
1,2-Dichloroethene (cis)	UG/L	5	27.5	52.5	39.8	44.8	185 D
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	1.65
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	11.4 U
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	1.9 U	1.9 U	NA
Acetone	UG/L	50	6 UR	6 U	3.1 U	3.1 U	0.80 U
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	0.28 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	0.73 U	NA
Chloroform	UG/L	7	0.5 U	0.5 U	0.5 U	0.5 U	0.33 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	0.78 U	0.78 UJ	NA
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	0.6 U	0.33 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	0.65 U	NA
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 UR	6.9 UR	6.9 UR	2.7 U	1.07 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	0.51 U	0.24 U
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	0.6 U	0.6 U	NA
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	0.9 U	0.56 U	0.57 U
Toluene	UG/L	5	0.53 U	0.53 U	0.53 U	0.49 U	0.30 U
Trichloroethene	UG/L	5	2.4	6.2	17.7	22.9	0.50 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <> 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-58	MW-58	MW-58	MW-58	MW-66
Sample ID			MW-58	MW-58	MW-58	MW-58	MW-66
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/18/19	10/16/20	09/24/21	09/23/22	11/13/17
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.84 U	0.4 U	0.4 U	0.4 U	NA
Vinyl chloride	UG/L	2	0.79 U	39.2	2.0	2.2	21.4
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	3.00 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-66	MW-66	MW-66	MW-66	MW-66
Sample ID			MW-66	MW-66	MW-66	MW-66	MW-66
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/18/18	11/18/19	10/16/20	09/24/21	09/23/22
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	0.76 J	1.2
1,1-Dichloroethene	UG/L	5	0.70 J	0.59 U	0.59 U	0.65 J	0.59 U
1,2-Dichloroethane	UG/L	0.6	0.60 U	0.6 U	0.6 U	0.6 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	233 D	174	175	198	99.8
1,2-Dichloroethene (trans)	UG/L	5	1.3	6.5	1.1	1.6	0.67 J
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Acetone	UG/L	50	6.0 U	6 UR	6 U	3.1 U	3.1 U
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
Chloroform	UG/L	7	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	0.78 U	0.78 U	0.78 UJ
Ethylbenzene	UG/L	5	0.60 U	0.6 U	0.6 U	0.6 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 U	6.9 UR	6.9 UR	6.9 UR	2.7 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Methylcyclohexane	UG/L	-	0.60 U	0.6 U	0.6 U	0.6 U	0.6 U
Tetrachloroethene	UG/L	5	0.90 U	0.9 U	0.9 U	0.9 U	0.56 U
Toluene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	0.49 U
Trichloroethene	UG/L	5	16.1	14.8	14.1	11.6	7.4

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-66	MW-66	MW-66	MW-66	MW-66
Sample ID			MW-66	MW-66	MW-66	MW-66	MW-66
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/18/18	11/18/19	10/16/20	09/24/21	09/23/22
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.84 U	0.84 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	UG/L	2	6.3	3.1	3.0	3.4	3.0
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-69	MW-69	MW-69	MW-69	MW-69
Sample ID			MW-69	MW-69	MW-69	MW-69	MW-69
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			02/01/17	11/10/17	10/15/18	11/14/19	10/13/20
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	24.2 U	10.2 U	2.7 U	1.3 U	11 U
1,1,2-Trichloroethane	UG/L	1	NA	NA	2.7 U	1.3 U	11 U
1,1-Dichloroethane	UG/L	5	26.5 J,D,GS	26.6	49.2	9.1	127
1,1-Dichloroethene	UG/L	5	34.6 U	13.9 U	9.6	2.3 J	16.3 J
1,2-Dichloroethane	UG/L	0.6	14.4 U	5.54 U	3.0 U	1.5 U	12 U
1,2-Dichloroethene (cis)	UG/L	5	287 D,GS1	86.6	358	69.1	363
1,2-Dichloroethene (trans)	UG/L	5	18.5 D,J,GS	11.0	13.8	8.6	14.3 J
1,4-Dioxane	UG/L	-	634 U	228 U	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	NA	NA	9.3 U	4.6 U	37 U
Acetone	UG/L	50	172 U	16.1 UR	30 UR	15 UR	120 UR
Benzene	UG/L	1	14.2 U	5.68 U	2.1 U	1.1 U	8.5 U
Chloroethane	UG/L	5	NA	NA	3.6 U	1.8 U	15 U
Chloroform	UG/L	7	20.4 U	6.52 U	2.5 U	1.3 U	10 U
Cyclohexane	UG/L	-	NA	NA	3.9 U	2 U	16 U
Ethylbenzene	UG/L	5	15.2 U	6.58 U	3.0 U	1.5 U	12 U
Isopropylbenzene (Cumene)	UG/L	5	NA	NA	3.2 U	1.6 U	13 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	59.8 U	21.4 UR	34 U	17 UR	140 UR
Methyl tert-butyl ether	UG/L	10	13.9 U	4.74 U	2.5 U	1.3 U	10 U
Methylcyclohexane	UG/L	-	NA	NA	3.0 U	1.5 U	12 U
Tetrachloroethene	UG/L	5	28.5 U	11.4 U	5.6	2.2 U	18 U
Toluene	UG/L	5	14.2 U	5.98 U	2.7 U	1.3 U	11 U
Trichloroethene	UG/L	5	3,170 D,GS1	1,060	2,480 D	488	2,690

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-69	MW-69	MW-69	MW-69	MW-69
Sample ID			MW-69	MW-69	MW-69	MW-69	MW-69
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			02/01/17	11/10/17	10/15/18	11/14/19	10/13/20
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	NA	NA	4.2 U	2.1 U	8 U
Vinyl chloride	UG/L	2	99.0 D,GS1	42.6	37.6	40.3	23.3
Xylene (total)	UG/L	5	19.0 U	60.0 U	3.0 U	1.5 U	12 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	0.281 U	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-69	MW-69	MW-70	MW-70	MW-70
Sample ID			MW-69	MW-69	MW-70	MW-70	MW-70
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/21/21	09/20/22	02/08/17	11/10/17	10/16/18
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 UJ	5.4 U	0.48 U	0.51 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	0.53 UJ	5.3 U	NA	NA	0.53 U
1,1-Dichloroethane	UG/L	5	24.4 J	54.9	0.32 U	0.32 U	0.57 U
1,1-Dichloroethene	UG/L	5	7.1 J	7.9 J	0.69 U	0.69 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	0.6 UJ	6 U	0.29 U	0.28 U	0.60 U
1,2-Dichloroethene (cis)	UG/L	5	254 DJ	259	0.26 U	0.33 U	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	8.9 J	14.5	0.32 U	0.38 U	0.54 U
1,4-Dioxane	UG/L	-	NA	NA	12.7 U	16.2 J	NA
4-Methyl-2-pentanone	UG/L	-	1.9 UJ	19 U	NA	NA	1.9 U
Acetone	UG/L	50	3.1 UJ	31 U	3.44 UJ	0.80 UR	6.0 UR
Benzene	UG/L	1	0.56 J	4.3 U	0.28 U	0.28 U	0.43 U
Chloroethane	UG/L	5	0.73 UJ	7.3 U	NA	NA	0.73 U
Chloroform	UG/L	7	0.5 UJ	5 U	0.41 U	0.33 U	0.50 U
Cyclohexane	UG/L	-	0.78 UJ	7.8 U	NA	NA	0.78 U
Ethylbenzene	UG/L	5	0.6 UJ	6 U	0.30 U	0.33 U	0.60 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 UJ	6.5 U	NA	NA	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 UR	27 U	1.20 U	1.07 UR	6.9 U
Methyl tert-butyl ether	UG/L	10	0.51 UJ	5.1 U	0.28 U	0.24 U	0.51 U
Methylcyclohexane	UG/L	-	0.6 UJ	6 U	NA	NA	0.60 U
Tetrachloroethene	UG/L	5	3.6 J	5.6 U	0.57 UJ	0.57 U	0.90 U
Toluene	UG/L	5	0.53 UJ	4.9 U	0.28 U	0.30 U	0.53 U
Trichloroethene	UG/L	5	1,250 DJ	1,660	0.38 UJ	0.50 U	0.53 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-69	MW-69	MW-70	MW-70	MW-70
Sample ID			MW-69	MW-69	MW-70	MW-70	MW-70
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/21/21	09/20/22	02/08/17	11/10/17	10/16/18
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.4 UJ	4 U	NA	NA	0.84 UJ
Vinyl chloride	UG/L	2	38.7 J	27.2	0.51 U	0.47 U	0.79 U
Xylene (total)	UG/L	5	0.59 UJ	5.9 U	0.38 U	3.00 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	8.67
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	0.149 U	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-70	MW-70	MW-70	MW-70	MW-71
Sample ID			MW-70	MW-70	MW-70	MW-70	Dup-1
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/15/19	10/13/20	09/22/21	09/21/22	02/02/17
Parameter	Units	Criteria*					Field Duplicate (1-1)
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	0.48 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	0.53 U	0.53 U	NA
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	0.57 U	0.32 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	0.69 U
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.6 U	0.6 U	0.6 U	0.29 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	0.51 U	0.51 U	0.51 U	29.0
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	1.91
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	13.3 J
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	1.9 U	1.9 U	NA
Acetone	UG/L	50	6 UR	6 UR	3.1 U	3.1 U	3.44 UJ
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	0.28 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	0.73 U	NA
Chloroform	UG/L	7	0.5 U	0.5 U	0.5 U	0.5 U	0.41 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	0.78 U	0.78 U	NA
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	0.6 U	0.30 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	0.65 U	NA
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 UR	6.9 UR	6.9 UR	2.7 U	1.20 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	0.51 U	0.28 U
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	0.6 U	0.6 U	NA
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	0.9 U	0.56 U	0.57 UJ
Toluene	UG/L	5	0.53 U	0.53 U	0.53 U	0.49 U	0.28 U
Trichloroethene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	37.2

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-70	MW-70	MW-70	MW-70	MW-71
Sample ID			MW-70	MW-70	MW-70	MW-70	Dup-1
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/15/19	10/13/20	09/22/21	09/21/22	02/02/17
Parameter	Units	Criteria*					Field Duplicate (1-1)
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.84 U	0.4 U	0.4 U	0.4 U	NA
Vinyl chloride	UG/L	2	0.79 U	0.79 U	0.79 U	0.52 U	3.01
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	0.38 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	2.9	3.6	1.5	1.5	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	0.281 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-71	MW-71	MW-71	MW-71	MW-71
Sample ID			MW-71	MW-71	MW-71	MW-71	MW-71
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			02/02/17	11/09/17	10/16/18	11/13/19	10/15/20
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.48 U	0.51 U	0.54 U	0.54 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	NA	NA	0.53 U	0.53 U	0.53 U
1,1-Dichloroethane	UG/L	5	0.32 U	0.32 U	0.57 U	0.57 U	0.57 U
1,1-Dichloroethene	UG/L	5	0.69 U	0.69 U	0.73 J	0.59 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	0.29 U	0.28 U	0.60 U	0.6 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	31.4	67.7	73.9	40.8	18.7
1,2-Dichloroethene (trans)	UG/L	5	1.85	4.05	4.8	2.7	1.1
1,4-Dioxane	UG/L	-	12.7 U	11.4 U	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	NA	NA	1.9 U	1.9 U	1.9 U
Acetone	UG/L	50	3.44 UJ	1.60 J	6.0 UR	6 UR	6 UR
Benzene	UG/L	1	0.28 U	0.28 U	0.43 U	0.43 U	0.43 U
Chloroethane	UG/L	5	NA	NA	0.73 U	0.73 U	0.73 U
Chloroform	UG/L	7	0.41 U	0.33 U	0.50 U	0.5 U	0.5 U
Cyclohexane	UG/L	-	NA	NA	0.78 U	0.78 U	0.78 U
Ethylbenzene	UG/L	5	0.30 U	0.33 U	0.60 U	0.6 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	NA	NA	0.65 U	0.65 U	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	1.20 U	1.07 U	6.9 U	6.9 UR	6.9 UR
Methyl tert-butyl ether	UG/L	10	0.28 U	0.24 U	0.51 U	0.51 U	0.51 U
Methylcyclohexane	UG/L	-	NA	NA	0.60 U	0.6 U	0.6 U
Tetrachloroethene	UG/L	5	0.57 UJ	0.57 U	0.90 U	0.9 U	0.9 U
Toluene	UG/L	5	0.28 U	0.30 U	0.53 U	0.53 U	0.53 U
Trichloroethene	UG/L	5	40.1	89.3 D	123	66.8	30.3

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-71	MW-71	MW-71	MW-71	MW-71
Sample ID			MW-71	MW-71	MW-71	MW-71	MW-71
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			02/02/17	11/09/17	10/16/18	11/13/19	10/15/20
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	NA	NA	1.6 J	0.84 U	0.4 U
Vinyl chloride	UG/L	2	3.54	8.79	8.9	6.2	6.2
Xylene (total)	UG/L	5	0.38 U	3.00 U	0.59 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	9.53	2.55	2.5
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	0.262 U	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-71	MW-71	MW-72	MW-73	MW-74
Sample ID			MW-71	MW-71	MW-72	MW-73	MW-74
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/22/21	09/22/22	02/01/17	02/01/17	02/01/17
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.48 U	0.48 U	0.48 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	NA	NA	NA
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	UG/L	5	0.60 J	0.59 U	0.69 U	0.69 U	0.69 U
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.6 U	0.29 U	0.29 U	0.29 U
1,2-Dichloroethene (cis)	UG/L	5	45.6	45.9	1.12	0.26 U	0.26 U
1,2-Dichloroethene (trans)	UG/L	5	3.2	3.1	0.32 U	0.32 U	0.32 U
1,4-Dioxane	UG/L	-	NA	NA	12.7 U	12.7 U	12.7 U
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	NA	NA	NA
Acetone	UG/L	50	3.1 U	3.1 U	3.44 U	3.44 U	3.44 U
Benzene	UG/L	1	0.43 U	0.43 U	0.29 J	0.28 U	0.28 U
Chloroethane	UG/L	5	0.73 U	0.73 U	NA	NA	NA
Chloroform	UG/L	7	0.5 U	0.5 U	0.41 U	0.41 U	0.41 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	NA	NA	NA
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.30 U	0.30 U	0.30 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 UR	2.7 U	1.20 U	1.20 U	1.20 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.28 U	0.28 U	0.28 U
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	NA	NA	NA
Tetrachloroethene	UG/L	5	0.9 U	0.56 U	0.57 U	0.57 U	0.57 U
Toluene	UG/L	5	0.53 U	0.49 U	0.28 U	0.28 U	0.28 U
Trichloroethene	UG/L	5	84.5	85.7	1.93	0.38 U	0.38 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-71	MW-71	MW-72	MW-73	MW-74
Sample ID			MW-71	MW-71	MW-72	MW-73	MW-74
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/22/21	09/22/22	02/01/17	02/01/17	02/01/17
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.71 J	0.82 J	NA	NA	NA
Vinyl chloride	UG/L	2	8.0	9.4	0.51 U	0.51 U	0.51 U
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.38 U	0.38 U	0.38 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	2.1	3.2	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	0.262 U	0.281 U	0.319 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-75	MW-75	MW-75	MW-75	MW-75
Sample ID			MW-75	MW-75	MW-75	MW-75	MW-75
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			02/02/17	11/10/17	10/15/18	11/14/19	10/13/20
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.48 U	0.51 U	0.54 U	0.54 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	NA	NA	0.53 U	0.53 U	0.53 U
1,1-Dichloroethane	UG/L	5	0.32 U	0.32 U	0.57 U	0.57 U	0.57 U
1,1-Dichloroethene	UG/L	5	0.69 U	0.69 U	0.59 U	0.59 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	0.29 U	0.28 U	0.60 U	0.6 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	0.26 U	0.33 U	0.51 U	0.51 U	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	0.32 U	0.38 U	0.54 U	0.54 U	0.54 U
1,4-Dioxane	UG/L	-	12.7 U	11.4 U	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	NA	NA	1.9 U	1.9 U	1.9 U
Acetone	UG/L	50	3.44 UJ	0.80 UR	6.0 UR	6 UR	6 UR
Benzene	UG/L	1	0.28 U	0.28 U	0.43 U	0.43 U	0.43 U
Chloroethane	UG/L	5	NA	NA	0.73 U	0.73 U	0.73 U
Chloroform	UG/L	7	0.41 U	0.51 J	0.50 U	0.5 U	0.5 U
Cyclohexane	UG/L	-	NA	NA	0.78 U	0.78 U	0.78 U
Ethylbenzene	UG/L	5	0.30 U	0.33 U	0.60 U	0.6 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	NA	NA	0.65 U	0.65 U	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	1.20 U	1.07 UR	6.9 U	6.9 UR	6.9 UR
Methyl tert-butyl ether	UG/L	10	0.28 U	0.24 U	0.51 U	0.51 U	0.51 U
Methylcyclohexane	UG/L	-	NA	NA	0.60 U	0.6 U	0.6 U
Tetrachloroethene	UG/L	5	0.57 UJ	0.57 U	0.90 U	0.9 U	0.9 U
Toluene	UG/L	5	0.28 U	0.30 U	0.53 U	0.53 U	0.53 U
Trichloroethene	UG/L	5	1.15	0.96 J	0.72 J	0.53 U	0.53 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-75	MW-75	MW-75	MW-75	MW-75
Sample ID			MW-75	MW-75	MW-75	MW-75	MW-75
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			02/02/17	11/10/17	10/15/18	11/14/19	10/13/20
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	NA	NA	0.84 UJ	0.84 U	0.4 U
Vinyl chloride	UG/L	2	0.51 U	0.47 U	0.79 U	0.79 U	0.79 U
Xylene (total)	UG/L	5	0.38 U	3.00 U	0.59 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	0.295 U	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-75	MW-75	MW-76	MW-76	MW-76
Sample ID			MW-75	MW-75	MW-76	MW-76	MW-76
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/21/21	09/21/22	02/02/17	11/10/17	10/15/18
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.48 U	0.51 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	NA	NA	0.53 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.32 U	0.32 U	0.57 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.69 U	0.69 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.6 U	0.29 U	0.28 U	0.60 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	0.51 U	0.26 U	0.33 U	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.32 U	0.38 U	0.54 U
1,4-Dioxane	UG/L	-	NA	NA	12.7 U	11.4 U	NA
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	NA	NA	1.9 U
Acetone	UG/L	50	3.1 U	3.4 J	3.44 UJ	1.97 J	6.0 UR
Benzene	UG/L	1	0.43 U	0.43 U	0.28 U	0.28 U	0.43 U
Chloroethane	UG/L	5	0.73 U	0.73 U	NA	NA	0.73 U
Chloroform	UG/L	7	0.5 U	0.5 U	0.41 U	0.33 U	0.50 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	NA	NA	0.78 U
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.30 U	0.33 U	0.60 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	NA	NA	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 U	2.7 U	1.20 U	1.07 U	6.9 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.28 U	0.24 U	0.51 U
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	NA	NA	0.60 U
Tetrachloroethene	UG/L	5	0.9 U	0.56 U	0.57 UJ	0.57 U	0.90 U
Toluene	UG/L	5	0.53 U	0.49 U	0.28 U	0.30 U	0.53 U
Trichloroethene	UG/L	5	0.53 U	0.53 U	0.38 U	0.50 U	0.53 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-75	MW-75	MW-76	MW-76	MW-76
Sample ID			MW-75	MW-75	MW-76	MW-76	MW-76
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/21/21	09/21/22	02/02/17	11/10/17	10/15/18
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	NA	NA	0.84 UJ
Vinyl chloride	UG/L	2	0.79 U	0.52 U	0.51 U	0.47 U	0.79 U
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.38 U	3.00 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	0.281 U	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <> 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-76	MW-76	MW-76	MW-76	MW-77
Sample ID			MW-76	MW-76	MW-76	MW-76	MW-77
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/14/19	10/14/20	09/23/21	09/21/22	02/07/17
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	0.48 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	0.53 U	0.53 U	NA
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	0.57 U	0.32 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	0.69 U
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.6 U	0.6 U	0.6 U	0.29 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	0.51 U	0.51 U	0.51 U	0.26 U
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	0.32 U
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	12.7 U
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	1.9 U	1.9 U	NA
Acetone	UG/L	50	6 UR	6 UR	3.1 UR	3.1 U	3.44 UJ
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	0.28 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	0.73 U	NA
Chloroform	UG/L	7	0.5 U	0.5 U	0.5 U	0.5 U	0.41 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	0.78 U	0.78 U	NA
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	0.6 U	0.30 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	0.65 U	NA
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 UR	6.9 UR	6.9 U	2.7 U	1.20 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	0.51 U	0.28 U
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	0.6 U	0.6 U	NA
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	0.9 U	0.56 U	0.57 UJ
Toluene	UG/L	5	0.53 U	0.53 U	0.53 U	0.49 U	0.28 U
Trichloroethene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	0.38 UJ

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-76	MW-76	MW-76	MW-76	MW-77
Sample ID			MW-76	MW-76	MW-76	MW-76	MW-77
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/14/19	10/14/20	09/23/21	09/21/22	02/07/17
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.84 U	0.4 U	0.4 U	0.4 U	NA
Vinyl chloride	UG/L	2	0.79 U	0.79 U	0.79 U	0.52 U	0.51 U
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	0.38 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	0.149 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-77	MW-77	MW-77	MW-77	MW-77
Sample ID			MW-77	MW-77	MW-77	MW-77	FD-092321
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/10/17	10/15/18	11/14/19	10/14/20	09/23/21
Parameter	Units	Criteria*					Field Duplicate (1-1)
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.51 U	0.54 U	0.54 U	0.54 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	NA	0.53 U	0.53 U	0.53 U	0.53 U
1,1-Dichloroethane	UG/L	5	0.32 U	0.57 U	0.57 U	0.57 U	0.57 U
1,1-Dichloroethene	UG/L	5	0.69 U	0.59 U	0.59 U	0.59 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	0.28 U	0.60 U	0.6 U	0.6 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	0.33 U	0.51 U	0.51 U	0.51 U	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	0.38 U	0.54 U	0.54 U	0.54 U	0.54 U
1,4-Dioxane	UG/L	-	11.4 U	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	NA	1.9 U	1.9 U	1.9 U	1.9 U
Acetone	UG/L	50	0.80 UR	6.0 UR	6 UR	6 UR	3.1 UR
Benzene	UG/L	1	0.28 U	0.43 U	0.43 U	0.43 U	0.43 U
Chloroethane	UG/L	5	NA	0.73 U	0.73 U	0.73 U	0.73 U
Chloroform	UG/L	7	0.33 U	0.50 U	0.5 U	0.5 U	0.5 U
Cyclohexane	UG/L	-	NA	0.78 U	0.78 U	0.78 U	0.78 U
Ethylbenzene	UG/L	5	0.33 U	0.60 U	0.6 U	0.6 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	NA	0.65 U	0.65 U	0.65 U	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	1.07 UR	6.9 U	6.9 UR	6.9 UR	6.9 U
Methyl tert-butyl ether	UG/L	10	0.24 U	0.51 U	0.51 U	0.51 U	0.51 U
Methylcyclohexane	UG/L	-	NA	0.60 U	0.6 U	0.6 U	0.6 U
Tetrachloroethene	UG/L	5	0.57 U	0.90 U	0.9 U	0.9 U	0.9 U
Toluene	UG/L	5	0.30 U	0.53 U	0.53 U	0.53 U	0.53 U
Trichloroethene	UG/L	5	0.50 U	0.53 U	0.53 U	0.53 U	0.53 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-77	MW-77	MW-77	MW-77	MW-77
Sample ID			MW-77	MW-77	MW-77	MW-77	FD-092321
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/10/17	10/15/18	11/14/19	10/14/20	09/23/21
Parameter	Units	Criteria*					Field Duplicate (1-1)
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	NA	0.84 UJ	0.84 U	0.4 U	0.4 U
Vinyl chloride	UG/L	2	0.47 U	0.79 U	0.79 U	0.79 U	0.79 U
Xylene (total)	UG/L	5	3.00 U	0.59 U	0.59 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-77	MW-77	MW-77	MW-78	MW-79
Sample ID			MW-77	FD-092122	MW-77	MW-78	MW-79
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/23/21	09/21/22	09/21/22	02/07/17	02/15/17
Parameter	Units	Criteria*		Field Duplicate (1-1)			
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	0.48 U	0.48 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	0.53 U	NA	NA
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	0.32 U	0.32 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.59 U	0.69 U	0.69 U
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.6 U	0.6 U	0.29 U	0.29 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	0.51 U	0.51 U	0.26 U	0.26 U
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	0.32 U	0.32 U
1,4-Dioxane	UG/L	-	NA	NA	NA	12.7 U	12.7 U
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	1.9 U	NA	NA
Acetone	UG/L	50	3.1 UR	3.1 U	3.1 U	3.44 UJ	3.44 UJ
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.28 U	0.28 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	NA	NA
Chloroform	UG/L	7	0.5 U	0.5 U	0.5 U	0.41 U	0.41 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	0.78 U	NA	NA
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	0.30 U	0.30 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	NA	NA
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 U	2.7 U	2.7 U	1.20 U	1.20 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	0.28 U	0.28 U
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	0.6 U	NA	NA
Tetrachloroethene	UG/L	5	0.9 U	0.56 U	0.56 U	0.57 UJ	0.57 UJ
Toluene	UG/L	5	0.53 U	0.49 U	0.49 U	0.28 U	0.28 U
Trichloroethene	UG/L	5	0.53 U	0.53 U	0.53 U	0.38 UJ	0.38 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-77	MW-77	MW-77	MW-78	MW-79
Sample ID			MW-77	FD-092122	MW-77	MW-78	MW-79
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/23/21	09/21/22	09/21/22	02/07/17	02/15/17
Parameter	Units	Criteria*		Field Duplicate (1-1)			
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	0.4 U	NA	NA
Vinyl chloride	UG/L	2	0.79 U	0.52 U	0.52 U	0.51 U	0.51 U
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.38 U	0.38 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	0.155 U	0.122 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-79	MW-79	MW-79	MW-79	MW-79
Sample ID			MW-79	MW-79	MW-79	MW-79	FD-092421
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/13/17	10/18/18	11/18/19	10/16/20	09/24/21
Parameter	Units	Criteria*					Field Duplicate (1-1)
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.51 U	0.54 U	0.54 U	0.54 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	NA	0.53 U	0.53 U	0.53 U	0.53 U
1,1-Dichloroethane	UG/L	5	0.32 U	0.57 U	0.57 U	0.57 U	0.57 U
1,1-Dichloroethene	UG/L	5	0.69 U	0.59 U	0.59 U	0.59 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	0.28 U	0.60 U	0.6 U	0.6 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	0.55 U	0.51 U	0.51 U	0.51 U	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	0.38 U	0.54 U	0.54 U	0.54 U	0.54 U
1,4-Dioxane	UG/L	-	11.4 U	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	NA	1.9 U	1.9 U	1.9 U	1.9 U
Acetone	UG/L	50	0.80 U	6.0 U	6 UR	6 U	3.1 U
Benzene	UG/L	1	0.28 U	0.43 U	0.43 U	0.43 U	0.43 U
Chloroethane	UG/L	5	NA	0.73 U	0.73 U	0.73 U	0.73 U
Chloroform	UG/L	7	0.33 U	0.50 U	0.5 U	0.5 U	0.5 U
Cyclohexane	UG/L	-	NA	0.78 U	0.78 U	0.78 U	0.78 U
Ethylbenzene	UG/L	5	0.33 U	0.60 U	0.6 U	0.6 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	NA	0.65 U	0.65 U	0.65 U	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	1.07 U	6.9 U	6.9 UR	6.9 UR	6.9 UR
Methyl tert-butyl ether	UG/L	10	0.24 U	0.51 U	0.51 U	0.51 U	0.51 U
Methylcyclohexane	UG/L	-	NA	0.60 U	0.6 U	0.6 U	0.6 U
Tetrachloroethene	UG/L	5	0.57 U	0.90 U	0.9 U	0.9 U	0.9 U
Toluene	UG/L	5	0.30 U	0.53 U	0.53 U	0.53 U	0.53 U
Trichloroethene	UG/L	5	0.50 U	0.53 U	0.53 U	0.53 U	0.53 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-79	MW-79	MW-79	MW-79	MW-79
Sample ID			MW-79	MW-79	MW-79	MW-79	FD-092421
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/13/17	10/18/18	11/18/19	10/16/20	09/24/21
Parameter	Units	Criteria*					Field Duplicate (1-1)
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	NA	0.84 U	0.84 U	0.4 U	0.4 U
Vinyl chloride	UG/L	2	0.47 U	0.79 U	0.79 U	0.79 U	0.79 U
Xylene (total)	UG/L	5	3.00 U	0.59 U	0.59 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-79	MW-79	MW-79	MW-80	MW-81
Sample ID			MW-79	FD-092322	MW-79	MW-80	MW-81
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/24/21	09/23/22	09/23/22	02/15/17	02/08/17
Parameter	Units	Criteria*		Field Duplicate (1-1)			
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	0.48 U	0.48 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	0.53 U	NA	NA
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	0.32 U	0.32 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.59 U	0.69 U	0.69 U
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.6 U	0.6 U	0.29 U	0.29 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	0.51 U	0.51 U	0.26 U	0.26 U
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	0.32 U	0.32 U
1,4-Dioxane	UG/L	-	NA	NA	NA	12.7 U	12.7 U
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	1.9 U	NA	NA
Acetone	UG/L	50	3.1 U	3.1 U	3.1 U	3.44 UJ	3.44 UJ
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.28 U	0.28 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	NA	NA
Chloroform	UG/L	7	0.5 U	0.5 U	0.5 U	0.41 U	0.41 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	0.78 U	NA	NA
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	0.30 U	0.30 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	NA	NA
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 UR	2.7 U	2.7 U	1.20 U	1.20 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	0.28 U	0.28 U
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	0.6 U	NA	NA
Tetrachloroethene	UG/L	5	0.9 U	0.56 U	0.56 U	0.57 UJ	0.57 UJ
Toluene	UG/L	5	0.53 U	0.49 U	0.49 U	0.28 U	0.28 U
Trichloroethene	UG/L	5	0.53 U	0.53 U	0.53 U	0.38 U	0.38 UJ

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-79	MW-79	MW-79	MW-80	MW-81
Sample ID			MW-79	FD-092322	MW-79	MW-80	MW-81
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/24/21	09/23/22	09/23/22	02/15/17	02/08/17
Parameter	Units	Criteria*		Field Duplicate (1-1)			
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	0.4 U	NA	NA
Vinyl chloride	UG/L	2	0.79 U	0.52 UJ	0.52 UJ	0.51 U	0.51 U
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.38 U	0.38 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	0.137 U	0.124 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-82	MW-83	MW-84	MW-84	MW-84
Sample ID			MW-82	MW-83	MW-84	FD-111017	MW-84
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			02/07/17	02/07/17	02/01/17	11/10/17	11/10/17
Parameter	Units	Criteria*				Field Duplicate (1-1)	
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.48 U	0.48 U	0.48 U	0.51 U	0.51 U
1,1,2-Trichloroethane	UG/L	1	NA	NA	NA	NA	NA
1,1-Dichloroethane	UG/L	5	0.32 U	0.51 J	0.32 U	0.32 U	0.32 U
1,1-Dichloroethene	UG/L	5	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
1,2-Dichloroethane	UG/L	0.6	0.29 U	0.29 U	0.29 U	0.28 U	0.28 U
1,2-Dichloroethene (cis)	UG/L	5	0.26 U	0.26 U	1.99	0.57 J	0.78 J
1,2-Dichloroethene (trans)	UG/L	5	0.32 U	0.32 U	4.22	1.11	1.41
1,4-Dioxane	UG/L	-	12.7 U	12.7 U	12.7 U	11.4 U	11.4 U
4-Methyl-2-pentanone	UG/L	-	NA	NA	NA	NA	NA
Acetone	UG/L	50	3.44 UJ	3.44 UJ	3.44 U	0.80 UR	0.80 UR
Benzene	UG/L	1	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Chloroethane	UG/L	5	NA	NA	NA	NA	NA
Chloroform	UG/L	7	0.41 U	0.41 U	0.41 U	0.33 U	0.33 U
Cyclohexane	UG/L	-	NA	NA	NA	NA	NA
Ethylbenzene	UG/L	5	0.30 U	0.30 U	0.30 U	0.33 U	0.33 U
Isopropylbenzene (Cumene)	UG/L	5	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	UG/L	50	1.20 U	1.20 U	1.20 U	1.07 UR	1.07 UR
Methyl tert-butyl ether	UG/L	10	0.28 U	0.28 U	0.28 U	0.24 U	0.24 U
Methylcyclohexane	UG/L	-	NA	NA	NA	NA	NA
Tetrachloroethene	UG/L	5	0.57 UJ	0.57 UJ	2.99	2.43	3.30
Toluene	UG/L	5	0.28 U	0.28 U	0.28 U	0.30 U	0.30 U
Trichloroethene	UG/L	5	0.38 UJ	0.38 UJ	46.4	6.41	8.26

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-82	MW-83	MW-84	MW-84	MW-84
Sample ID			MW-82	MW-83	MW-84	FD-111017	MW-84
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			02/07/17	02/07/17	02/01/17	11/10/17	11/10/17
Parameter	Units	Criteria*				Field Duplicate (1-1)	
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	NA	NA	NA	NA	NA
Vinyl chloride	UG/L	2	0.51 U	0.51 U	0.51 U	0.47 U	0.47 U
Xylene (total)	UG/L	5	0.38 U	0.38 U	0.38 U	3.00 U	3.00 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	0.169 U	0.148 U	0.251 U	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <> 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-84	MW-84	MW-84	MW-84	MW-84
Sample ID			FD-101518	MW-84	MW-84	MW-84	MW-84
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/15/18	10/15/18	11/14/19	10/13/20	09/21/21
Parameter	Units	Criteria*	Field Duplicate (1-1)				
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	0.54 UJ
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	0.53 U	0.53 U	0.53 UJ
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	0.57 U	0.57 UJ
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	0.59 UJ
1,2-Dichloroethane	UG/L	0.6	0.60 U	0.60 U	0.6 U	0.6 U	0.6 UJ
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	0.51 U	0.51 U	0.51 U	0.51 UJ
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	0.54 UJ
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ
Acetone	UG/L	50	6.0 UR	6.0 UR	6 UR	6 UR	3.1 UJ
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	0.43 UJ
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	0.73 U	0.73 UJ
Chloroform	UG/L	7	0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ
Cyclohexane	UG/L	-	0.78 U	0.78 U	0.78 U	0.78 U	0.78 UJ
Ethylbenzene	UG/L	5	0.60 U	0.60 U	0.6 U	0.6 U	0.6 UJ
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	0.65 U	0.65 UJ
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 U	6.9 U	6.9 UR	6.9 UR	6.9 UR
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	0.51 U	0.51 UJ
Methylcyclohexane	UG/L	-	0.60 U	0.60 U	0.6 U	0.6 U	0.6 UJ
Tetrachloroethene	UG/L	5	3.7	3.5	2.4	2.0	3.5 J
Toluene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	0.53 UJ
Trichloroethene	UG/L	5	0.84 J	0.81 J	0.53 U	0.53 U	0.53 UJ

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-84	MW-84	MW-84	MW-84	MW-84
Sample ID			FD-101518	MW-84	MW-84	MW-84	MW-84
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/15/18	10/15/18	11/14/19	10/13/20	09/21/21
Parameter	Units	Criteria*	Field Duplicate (1-1)				
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.84 UJ	0.84 UJ	0.84 U	0.4 U	0.4 UJ
Vinyl chloride	UG/L	2	0.79 U	0.79 U	0.79 U	0.79 U	0.79 UJ
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	0.59 UJ
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-84	MW-85	MW-85	MW-85	TR-26D
Sample ID			MW-84	MW-85	MW-85	MW-85	TR-26D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/21/22	10/15/20	09/22/21	09/22/22	09/25/18
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	NA
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	0.53 U	0.53 U	NA
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	0.57 U	NA
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	NA
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.6 U	0.6 U	0.6 U	NA
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	0.51 U	0.51 U	0.51 U	NA
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	NA
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	1.9 U	1.9 U	NA
Acetone	UG/L	50	3.1 U	6 UR	3.1 U	3.1 U	NA
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	NA
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	0.73 U	NA
Chloroform	UG/L	7	0.5 U	0.5 U	0.5 U	0.5 U	NA
Cyclohexane	UG/L	-	0.78 U	0.78 U	0.78 U	0.78 U	NA
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	0.6 U	NA
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	0.65 U	NA
Methyl ethyl ketone (2-Butanone)	UG/L	50	2.7 U	6.9 UR	6.9 UR	2.7 U	NA
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	0.51 U	NA
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	0.6 U	0.6 U	NA
Tetrachloroethene	UG/L	5	3.4	0.9 U	0.9 U	0.56 U	NA
Toluene	UG/L	5	0.49 U	0.53 U	0.53 U	0.49 U	NA
Trichloroethene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			MW-84	MW-85	MW-85	MW-85	TR-26D
Sample ID			MW-84	MW-85	MW-85	MW-85	TR-26D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/21/22	10/15/20	09/22/21	09/22/22	09/25/18
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	0.4 U	0.4 U	NA
Vinyl chloride	UG/L	2	0.52 U	0.79 U	0.79 U	0.52 U	NA
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	NA
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	0.047 UJ

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			TR3-GB-03	TR3-MW-01	TR3-MW-02	TR3-MW-02	TR3-MW-02
Sample ID			TR3-GB-03	TR3-MW01	TR3-MW02	TR3-MW-02	TR3-MW-02
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/19/16	04/18/16	04/18/16	11/13/17	10/18/18
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.68 U	0.68 U	0.68 U	0.51 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	0.21 U	0.21 U	0.21 U	NA	0.53 U
1,1-Dichloroethane	UG/L	5	0.68 U	0.68 U	0.68 U	0.32 U	0.57 U
1,1-Dichloroethene	UG/L	5	0.6 U	0.6 U	0.6 U	0.69 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	0.48 U	0.48 U	0.48 U	0.28 U	0.60 U
1,2-Dichloroethene (cis)	UG/L	5	0.29 U	0.29 U	0.29 U	0.33 U	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	0.5 U	0.5 U	0.5 U	0.38 U	0.54 U
1,4-Dioxane	UG/L	-	NA	NA	NA	11.4 U	NA
4-Methyl-2-pentanone	UG/L	-	0.5 U	0.5 U	0.5 U	NA	1.9 U
Acetone	UG/L	50	2.8 UR	2.8 UR	2.8 UJ	8.58 J	6.0 U
Benzene	UG/L	1	0.45 U	0.45 U	0.45 U	0.28 U	0.43 U
Chloroethane	UG/L	5	0.62 U	0.62 U	0.62 U	NA	0.73 U
Chloroform	UG/L	7	0.41 U	0.41 U	0.41 U	0.33 U	0.50 U
Cyclohexane	UG/L	-	NA	NA	NA	NA	0.78 U
Ethylbenzene	UG/L	5	0.53 U	0.53 U	0.53 U	0.33 U	0.60 U
Isopropylbenzene (Cumene)	UG/L	5	NA	NA	NA	NA	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	2 UR	2 UR	2 UR	1.25 J	6.9 U
Methyl tert-butyl ether	UG/L	10	NA	NA	NA	0.24 U	0.51 U
Methylcyclohexane	UG/L	-	NA	NA	NA	NA	0.60 U
Tetrachloroethene	UG/L	5	0.45 U	0.45 U	0.45 U	0.57 U	0.90 U
Toluene	UG/L	5	0.49 U	0.49 U	0.49 U	0.30 U	0.53 U
Trichloroethene	UG/L	5	0.71 J	0.48 U	0.48 U	0.50 U	0.53 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <> 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			TR3-GB-03	TR3-MW-01	TR3-MW-02	TR3-MW-02	TR3-MW-02
Sample ID			TR3-GB-03	TR3-MW01	TR3-MW02	TR3-MW-02	TR3-MW-02
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/19/16	04/18/16	04/18/16	11/13/17	10/18/18
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	NA	NA	NA	NA	0.84 U
Vinyl chloride	UG/L	2	0.69 UJ	0.69 UJ	1.3 J	0.47 U	0.79 U
Xylene (total)	UG/L	5	0.22 U	0.22 U	0.22 U	3.00 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	0.053 U	0.055 U	0.055 U	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <> 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			TR3-MW-02	TR3-MW-02	TR3-MW-02	TR3-MW-02	TR3-PW-01
Sample ID			TR3-MW0092	TR3-MW-02	TR3-MW-02	TR3-MW-02	TR3-PW1
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/18/19	10/16/20	09/24/21	09/23/22	04/18/16
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	0.68 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	0.53 U	0.53 U	0.21 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	0.57 U	1.9
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	136
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.6 U	0.6 U	0.6 U	0.48 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	0.51 U	0.51 U	0.51 U	12,500 DJ
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	47.6
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	1.9 U	1.9 U	0.5 U
Acetone	UG/L	50	6 UR	6 U	3.1 U	3.1 U	18.8 J
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	0.45 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	0.73 U	0.62 U
Chloroform	UG/L	7	0.5 U	0.5 U	0.5 U	0.5 U	0.41 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	0.78 U	0.78 U	NA
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	0.6 U	0.53 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	0.65 U	0.65 U	0.65 U	NA
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 UR	6.9 UR	6.9 UR	2.7 U	2 UR
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	0.51 U	NA
Methylcyclohexane	UG/L	-	0.6 U	0.6 U	0.6 U	0.6 U	NA
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	0.9 U	0.56 U	77.6
Toluene	UG/L	5	0.53 U	0.53 U	0.53 U	0.49 U	2.1
Trichloroethene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	195,000 DJ

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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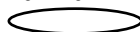
[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <> 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			TR3-MW-02	TR3-MW-02	TR3-MW-02	TR3-MW-02	TR3-PW-01
Sample ID			TR3-MW0092	TR3-MW-02	TR3-MW-02	TR3-MW-02	TR3-PW1
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/18/19	10/16/20	09/24/21	09/23/22	04/18/16
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	0.84 U	0.4 U	0.4 U	0.4 U	NA
Vinyl chloride	UG/L	2	0.79 U	0.79 U	0.79 U	0.52 UJ	107 J
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	1.0
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	0.055 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <> 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			TR3-PW-01	TR3-PW-01	TR3-PW-01	TR3-PW-01	TR3-PW-01
Sample ID			FD-111317	TR3-PW-01	TR3-PW-01	TR3-PW-01	FD-101420
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/13/17	11/13/17	10/19/18	11/18/19	10/14/20
Parameter	Units	Criteria*	Field Duplicate (1-1)				Field Duplicate (1-1)
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	1,020 U	1,020 U	110 U	11 U	270 U
1,1,2-Trichloroethane	UG/L	1	NA	NA	110 U	11 U	270 U
1,1-Dichloroethane	UG/L	5	646 U	646 U	110 U	11 U	280 U
1,1-Dichloroethene	UG/L	5	1,390 U	1,390 U	120 U	101	300 U
1,2-Dichloroethane	UG/L	0.6	554 U	554 U	120 U	12 U	300 U
1,2-Dichloroethene (cis)	UG/L	5	24,700	24,300 D	14,000	14,300 D	9,290
1,2-Dichloroethene (trans)	UG/L	5	754 U	754 U	110 U	50.8	270 U
1,4-Dioxane	UG/L	-	22,800 U	22,800 U	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	NA	NA	370 U	37 U	930 U
Acetone	UG/L	50	1,610 U	1,610 U	1,200 U	120 U	3,000 UR
Benzene	UG/L	1	568 U	568 U	85 U	8.5 U	210 U
Chloroethane	UG/L	5	NA	NA	150 U	15 U	360 U
Chloroform	UG/L	7	652 U	652 U	100 U	10 U	250 U
Cyclohexane	UG/L	-	NA	NA	160 U	16 U	390 U
Ethylbenzene	UG/L	5	658 U	658 U	120 U	12 U	300 U
Isopropylbenzene (Cumene)	UG/L	5	NA	NA	130 U	13 U	320 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	2,140 U	2,140 U	1,400 U	140 UR	3,400 UR
Methyl tert-butyl ether	UG/L	10	474 U	474 U	100 U	10 U	250 U
Methylcyclohexane	UG/L	-	NA	NA	120 U	12 U	300 U
Tetrachloroethene	UG/L	5	1,140 U	1,140 U	180 U	71.3	450 U
Toluene	UG/L	5	598 U	598 U	110 U	11 U	270 U
Trichloroethene	UG/L	5	134,000	137,000 D	94,500 D	144,000 D	71,400

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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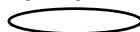
[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			TR3-PW-01	TR3-PW-01	TR3-PW-01	TR3-PW-01	TR3-PW-01
Sample ID			FD-111317	TR3-PW-01	TR3-PW-01	TR3-PW-01	FD-101420
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/13/17	11/13/17	10/19/18	11/18/19	10/14/20
Parameter	Units	Criteria*	Field Duplicate (1-1)				Field Duplicate (1-1)
Volatile Organic Compounds							
Trichlorofluoromethane	UG/L	5	NA	NA	170 U	17 U	200 U
Vinyl chloride	UG/L	2	944 U	944 U	220	245	390 U
Xylene (total)	UG/L	5	6,000 U	6,000 U	120 U	12 U	300 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	NA	NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <> 5 AND [PRCCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			TR3-PW-01	TR3-PW-01	TR3-PW-01	TR3-PW-02
Sample ID			TR3-PW-01	TR3-PW-01	TR3-PW-01	TR3-PW-2
Matrix			Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-
Date Sampled			10/14/20	09/23/21	09/21/22	04/19/16
Parameter	Units	Criteria*				
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	5	270 U	130 U	270 U	0.68 U
1,1,2-Trichloroethane	UG/L	1	270 U	130 U	270 U	0.21 U
1,1-Dichloroethane	UG/L	5	280 U	140 U	280 U	0.68 U
1,1-Dichloroethene	UG/L	5	300 U	150 U	300 U	0.6 U
1,2-Dichloroethane	UG/L	0.6	300 U	150 U	300 U	0.48 U
1,2-Dichloroethene (cis)	UG/L	5	9,270	7,940	8,160	0.29 U
1,2-Dichloroethene (trans)	UG/L	5	270 U	130 U	270 U	0.5 U
1,4-Dioxane	UG/L	-	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	930 U	460 U	930 U	0.5 U
Acetone	UG/L	50	3,000 UR	760 UR	1,500 U	2.8 UJ
Benzene	UG/L	1	210 U	110 U	210 U	0.45 U
Chloroethane	UG/L	5	360 U	180 U	360 U	0.62 U
Chloroform	UG/L	7	250 U	236 J	250 U	0.41 U
Cyclohexane	UG/L	-	390 U	200 U	390 U	NA
Ethylbenzene	UG/L	5	300 U	150 U	300 U	0.53 U
Isopropylbenzene (Cumene)	UG/L	5	320 U	160 U	320 U	NA
Methyl ethyl ketone (2-Butanone)	UG/L	50	3,400 UR	1,700 U	1,400 U	2 UR
Methyl tert-butyl ether	UG/L	10	250 U	130 U	250 U	NA
Methylcyclohexane	UG/L	-	300 U	150 U	300 U	NA
Tetrachloroethene	UG/L	5	450 U	220 U	280 U	0.45 U
Toluene	UG/L	5	270 U	130 U	250 U	0.49 U
Trichloroethene	UG/L	5	70,600	84,700 D	83,000	2.0

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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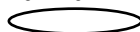
[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <= 5 AND [PRCODE] NOT IN ('PFC', 'MET')

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS-APRIL 2016 THROUGH SEPTEMBER 2022

Location ID			TR3-PW-01	TR3-PW-01	TR3-PW-01	TR3-PW-02
Sample ID			TR3-PW-01	TR3-PW-01	TR3-PW-01	TR3-PW-2
Matrix			Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-
Date Sampled			10/14/20	09/23/21	09/21/22	04/19/16
Parameter	Units	Criteria*				
Volatile Organic Compounds						
Trichlorofluoromethane	UG/L	5	200 U	100 U	200 U	NA
Vinyl chloride	UG/L	2	390 U	206 J	260 U	0.69 UJ
Xylene (total)	UG/L	5	300 U	150 U	300 U	0.22 U
Semivolatile Organic Compounds						
1,4-Dioxane	UG/L	-	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA
Polychlorinated Biphenyls						
Aroclor 1254	UG/L	0.09	NA	NA	NA	0.055 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

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 Concentration Exceeds Criteria

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = WG' AND [LOGDATE] >= #1/12/2016# AND [LOCID] NOT IN ('DRUM COMPOSITE', 'TR3-HZW') AND [SITE KEY] <> 5 AND [PRCODE] NOT IN ('PFC', 'MET')

