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April 14, 2022

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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
2021 Annual Site-Wide Groundwater Monitoring Report

Dear Mr. Belveg:

On behalf of Carrier Corporation, AECOM Technical Services, Inc. is hereby submitting the attached 2021 Annual Site-Wide Groundwater Monitoring Report.

Please call if you have any questions (919.461.1194).

Sincerely,

Peter Hollatz
Project Manager

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ANNUAL SITE-WIDE GROUNDWATER MONITORING 2021

Carrier Corporation Site
Thompson Road, Syracuse, NY

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

Project Number: 60649701

April 2022

Prepared for:
Carrier Corporation

Prepared by:
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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).

- 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 October 2020. The findings were reported in the Annual Site-wide Groundwater Monitoring 2020 Report (AECOM, 2021). Groundwater monitoring and sampling was performed in September 2021 in accordance with the Annual SWGMP. This report presents the procedures and findings of the September 2021 sampling event.

2. Background

2.1 Facility Description

The Site is located 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

- 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.
- Silty clay with silt and sand lenses ranging in thickness from 2 ft to 15 ft.

Confining Clay Unit

- Gray clay confining unit ranging in thickness from 7 ft to13 ft.

Lower Water-Bearing Zone

- Clayey silt to silt ranging in thickness from 6 ft to10 ft.
- Red brown fine to medium sand, ranging in thickness from 2 ft to 6 ft.
- Dense clay/silt unit, ranging in thickness from 4 ft to 12 ft.
- 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:

- 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.
- Former Building TR-1, located in the western portion of the Site.
- Former Building TR-2, located in the northwestern portion of the Site, north of former Building TR-1.
- Parking Lot R, located in the north central portion of the Site, a paved portion of former Building TR-3.
- Building TR-3 North Wall/Storm Water Treatment Plant (SWTP), located in the north central portion of the Site.
- Manhole MH3 located inside the SWTP.
- Former Administrative and Research (A&R) Building, located in the northeastern portion of the Site.
- 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 could not be located in the 2017, 2018, 2019, 2020, and 2021 inspections 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 20 and 21, 2021, 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:

- 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.
- Monitoring points have been included in the former Buildings TR-1 and TR-3 area to evaluate LNAPL thickness and potential migration.
- 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 2021 was, on average, 0.97 ft higher than the previous monitoring event in October 2020.

3.2.1 Upper Water-Bearing Zone Groundwater Flow

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

- Water elevations in monitoring wells AR-MW-02 and AR-MW-03 were again higher than nearby wells. This condition was not observed in the 2020 monitoring period, but was observed in earlier years (2017 through 2019). This mound is attributed to a higher rate of recharge in the vicinity of the wells where impervious surfaces (concrete slabs, former building foundations and associate infrastructure) are not present. The influence of this mound is likely to be limited to areas in its immediate vicinity with minimal impact on the overall shallow flow system at the Site.
- 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 less than in previous sampling events resulting in variable contours with no mounding of the water table surface. LNAPL was encountered in five monitoring wells in this area.
- 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 and 2020.
- 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. This is evidenced by the absence of a mounding condition and the presence of water table depression behind the sheet-pile wall.

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 2021 as in 2020 with exception to well DCDPZ04 where LNAPL was observed in 2020 but was not able to be measured in 2021 due to an obstruction in the well. LNAPL was not observed at any new locations indicating that the LNAPL has not migrated.

Monitoring Point	2020 LNAPL Thickness (Ft)	2021 LNAPL Thickness (Ft)
DCDPZ01	3.71	0.01
DCDPZ04	0.03	Not measured
MW-25	2.32	0.01
MW-31	0.34	0.33
MW-33	0.18	0.02
MW-46	0.45	0.02
PLR001	0.07	0.06
SSIPZ04	0.38	1.00

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:

- 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).
- 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-dichlorethane (1,1-DCA), 1,1-dichlorethene (1,1-DCE), trans-1,2-dichloroethene (trans-1,2-DCE), 1,1,1-trichloroethane (1,1,1-TCA), and vinyl chloride (VC).
  - Concentrations of chlorinated VOCs exceeding groundwater criteria ranged from 3.4 micrograms per liter (µg/L) VC to 84,700 µg/L TCE.
  - TCE concentrations were highest at locations MW-18, MW-69, and TR3-PW-01 where concentrations ranged from 441 to 84,700 µg/L. The highest concentration occurred at TR3-PW-01. Concentrations ranged from below detection limits to 182 µg/L at the other wells.
  - 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 µg/L. The highest concentration occurred at TR3-PW-01. Concentrations ranged from below detection limits to 703 µg/L at the other wells.
  - The highest concentration of VC occurred in MW-18 at 781 µg/L.
  - The highest concentrations of 1,1,1-TCA, and 1,1-DCA occurred in well MW-23 at detected concentrations of 51.9 and 142 µg/L, respectively.
  - 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.
- The only non-chlorinated VOC detected at concentration above the groundwater criteria was ethylbenzene, which was only detected in well MW-23.
- 1,4-dioxane was detected in three of the ten wells sampled at concentrations ranging from 0.90 µg/L to 2.1 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 2016, 2017, 2018, 2019, and 2020.
- 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 were analyzed for VOCs and PCBs in MW-19, MW-23, MW-26, and MW-38.

- PCBs have historically been detected in wells MW-23, MW-26, and MW-38. No PCBs were detected in these wells in 2021.
- 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 2021 sampling event were consistent with the results from 2020. The highest concentrations of 1,1,1-TCA, 1,1-DCA, and ethylbenzene detected during the September 2021 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 located 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, and increased to 84,700 µg/L in September 2021.

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 (93.5 µg/L) and VC (324 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 concentrations remained consistent with historical results with exception to TCE increase. In well MW-66, concentrations remained consistent with historic results. The 2021 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 showed a decrease of TCE (5.2 µg/L). Consistent with prior sampling events, analytical results MW-45 exceeded criteria for TCE (109 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 12.3 µg/L was consistent with 2020.

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 2021 the cis-1,2-DCE concentration was 703 µg/L. The detection of cis-1,2-DCE, at 7.6 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.

- 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 2021.
- 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 2021 sampling event.
- 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 2021 sampling event.
- 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 2021 sampling event.

The results in 2021 are consistent with historic results.

6. Summary and Recommendations

Monitoring and sampling was performed in September 2021 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 fifth 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 2021 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 in MW-58 and VC and cis-1,2-DCE in MW-66 indicate reductive dichlorination is occurring downgradient of the wall.

Contaminant concentrations observed at MW-23 are consistent with concentrations observed in 2020. 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 2021 sample purge log was reviewed and found to exhibit evidence of strongly reducing conditions (low DO and ORP) and very low permeability (over 4 feet of drawdown when purging at only 100 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 2021 data shows that at this well, cis-1,2-DCE, a degradation byproduct of TCE, had a concentration of approximately eight 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 2022.

7. References

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

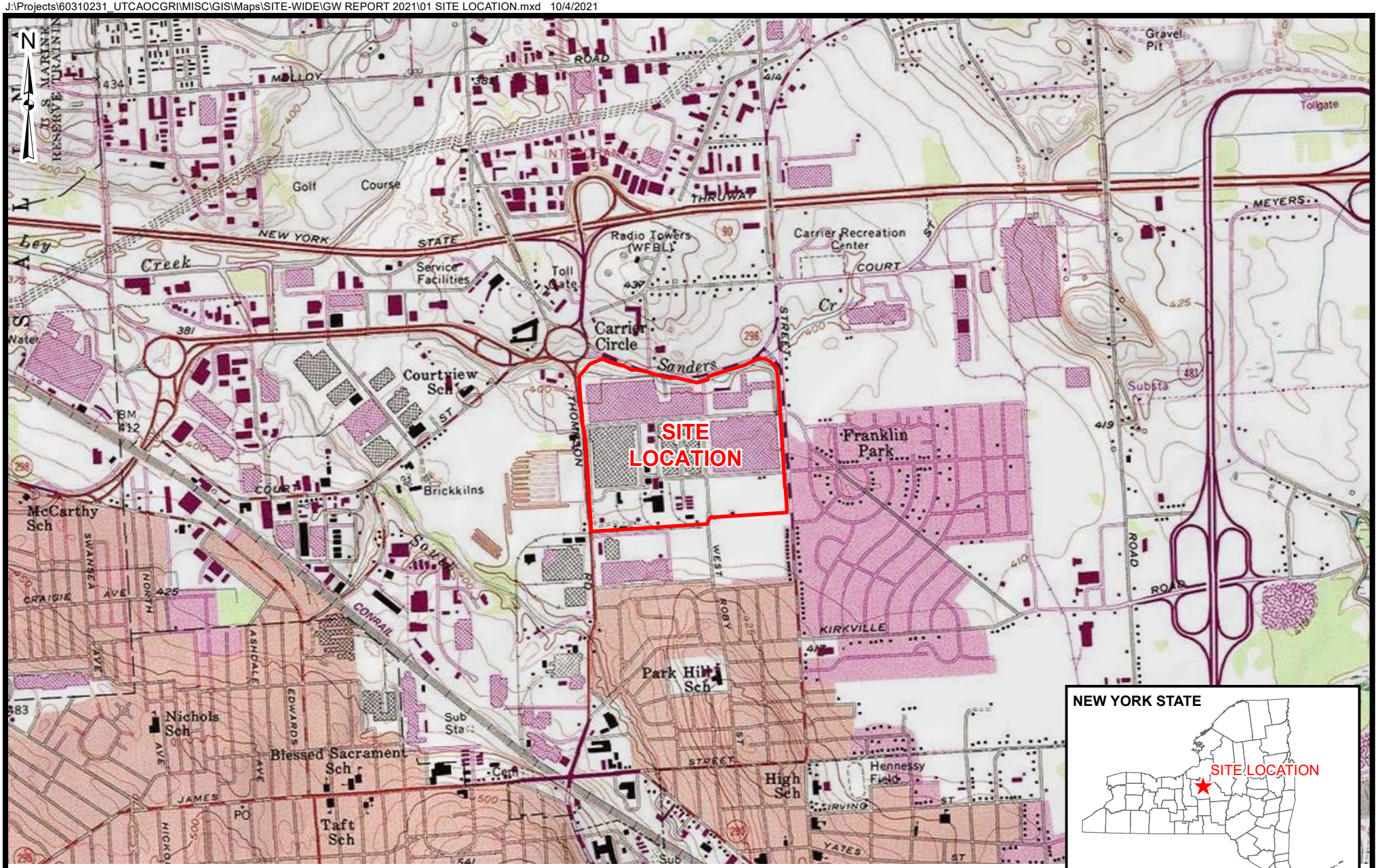
AECOM, 2021. *Annual Site-Wide Groundwater Monitoring 2020 Report.* June 2021.

EnSafe, 2009. *2009 Site-Wide Monitoring Plan.* April 2009

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

Figures

J:\Projects\60310231_UTCAOCGRI\MISC\GIS\Maps\SITE-WIDE\GW REPORT 2021\01 SITE LOCATION.mxd 10/4/2021



Source: 1:24,000-scale USGS Topographic Map, Syracuse East, 1978

AECOM

SITE-WIDE GROUNDWATER MONITORING
CARRIER THOMPSON ROAD SITE
SITE LOCATION

FIGURE 1

N

SANDERS CREEK

CARRIER PKWY

FIRST ST

THOMPSON RD

KINNE ST

VERIZON SERVICE RD

MW-05R MW-80 MW-17 MW-21 MW-65 MW-42

TR3-MW-01 MW-56 MW-43 MW-57 TR3-MW-02 MW-66 MW-58 MW-68 MW-14D MW-14 MW-67 TR3-PW-02 MW-50 TR3-GB-03 TR3-PW-01 MW-62 MW-61 MW-47 MW-46 MW-54 PLR058 PLR057 MW-45 MW-44 MW-55 MW-54D MW-79 MW-53 PLR061 MW-59 MW-18 MW-11 MW-60 PLR060 MW-52 MW-51 MW-48 PLR056 B00107 B00109 B00108 B00102 B00103 B00101 B00104 MW-20 B00110 MW-41D PLR002 B00106 B00105 PLR001

SWTP

TR-3

AR-SB-04 AR-SB-02 AR-MW-01 AR-MW-02 AR-MW-03 AR-MW-04 AR-MW-06 AR-MW-05

TR-2 MW-70 MW-49

A&R

MW-10 MW-40D MW-38 MW-06 FDPZ02 FDPZ04 MW-37 FDPZ01 FDPZ03 MW-19 MW-36 MW-39 MW-23 MW-24 MW-73

MW-35D MW-31 DCDPZ04 DCDPZ02 MW-33 MW-34 DCDPZ01 DCDPZ03 MW-32 MW-30 MW-26 SSIPZ04 SSIPZ03 MW-28 MW-29 SSIPZ02 SSIPZ01 MW-25 MW-27 SSIPZ05

TR-1

MW-85 MW-71

TR-18 TR-18S

TR-4 TR-5

B00116 B00115 B00114 B00113 B00111 B00112

MW-03S MW-03D MW-13D2 MW-22D

TR-19 TR-20

MW-81 MW-83 MW-82 MW-78 MW-77 MW-75 MW-84 MW-08 MW-76

TR-6 MW-69

TR-7 TR-7A TR-6A

MW-74

TR-21 TR-21A

TR-11 MW-72 TR-10 MW-09 TR-8 TR-13 TR-23 TR-10A

DP-MW-01 DP-MW-02 FORMER DEBRIS PILE AREA DP-MW-04 DP-MW-05 DP-MW-03

TR-12

TR-14 MW-16D

Legend

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

300 0 300 Feet

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

AECOM

FIGURE 2

J:\Projects\60310231_UTCAOCGRI\MISC\GIS\Maps\SITE-WIDE\GW REPORT 2021\02 SITE-WIDE GW NETWORK.mxd 10/4/2021

N

SANDERS CREEK

CARRIER PKWY

THOMPSON RD

KINNE ST

SEE FIGURE 4

MW-05R, 393.24
MW-17, 388.75
MW-21, 391.04
MW-42, 390.00
MW-57, 395.73
MW-43, 396.40
TR3-MW-02, 392.94
TR3-PW-01, 395.84
MW-66, 390.31
MW-79, 391.93
MW-58, 392.33
MW-68, 390.28
MW-18, 393.43
MW-14, 392.37
TR3-PW-02, 396.21
MW-50, 396.27
MW-62, 396.43
MW-47, 395.99
MW-48, 394.66
MW-49, 396.48
MW-46, 397.96, 0.02
MW-70, 395.33
MW-45, 397.95
MW-44, 397.66
MW-20, NM
MW-10, 394.20
MW-38, 395.19
MW-06, 394.87
MW-73, 395.22
MW-37, 395.55
MW-36, 395.54
MW-19, 395.51
MW-23, 394.92
MW-24, 395.70
MW-31, 396.33, 0.33
MW-34, 396.36
DCDPZ04, NM
DCDPZ03, 396.53
MW-30, 396.63
MW-33, 396.86, 0.02
DCDPZ02, 397.00
DCDPZ01, 396.50, 0.01
MW-32, 397.25
MW-26, 397.27
SSIPZ04, 397.13, 1.00
SSIPZ03, 396.83
MW-28, 398.67
MW-29, 397.07
SSIPZ02, 397.64, Sheen
SSIPZ01, 397.16
MW-25, 397.75, 0.01
MW-27, 397.40
SSIPZ05, NM
MW-85, 396.16
MW-71, 395.69
MW-03S, 397.64
MW-69, 398.21
MW-72, 398.94
MW-09, 399.43
MW-74, 398.35
MW-84, 396.54
MW-08, 398.49
MW-75, 398.38
MW-76, 398.45
MW-77, 396.14
MW-78, 395.44
MW-82, 394.40
MW-83, 398.82
MW-81, 398.31
DP-MW-04, 404.81
AR-SB-04, NM
AR-SB-02, 391.38
AR-MW-01, 397.81
AR-MW-02, 398.13
AR-MW-03, 398.10
B00107, 396.03
B00109, 396.08
B00108, NM
B00103, 397.35
B00104, 395.54
B00110, 396.79
AR-MW-04, 396.50
AR-MW-06, 394.93
AR-MW-05, 396.06
B00106, 399.04
PLR001, 399.48, 0.06
B00105, 395.60

389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404

Legend

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

Horizontal Well:

- Slotted Pipe
- Solid Pipe

MW-46, 397.96, 0.02
Location ID | Groundwater Elevation (ft AMSL) | LNAPL Thickness (ft)

NOTES: 1. Elevation shown in feet above mean sea level (ft amsl); NAVD 88 Datum.
2. NM = Not Measured
3. Groundwater elevations for DCDPZ01, MW-05R, MW-79, SSIPZ02, and TR3-MW-02 were not used to generate groundwater contours.
SOURCE: NYS Digital Ortho-imagery Program (NYSDOP), Onondaga County, 2018

250 0 250 Feet

SITE-WIDE GROUNDWATER MONITORING CARRIER THOMPSON ROAD SITE SHALLOW GROUNDWATER ELEVATIONS (SEPTEMBER 20 & 21, 2021)

AECOM

FIGURE 3

J:\Projects\60310231_UTCAOCGRI\MISC\GIS\Maps\SITE-WIDE\GW REPORT 2021\03 SHALLOW GROUNDWATER ELEVATIONS (SEP 2021).mxd 12/9/2021

N

390
391
392
393
394
395
396
397
398

TR3-MW-02, 392.94
MW-79, 391.93
SANDERS CREEK
MW-14, 392.37
MW-68, 390.28
MW-58, 392.33
MW-66, 390.31
MW-18, 393.43
MW-57, 395.73
TR3-PW-02, 396.21
MW-50, 396.27
MW-43, 396.40
TR3-PW-01, 395.84
MW-62, 396.43
MW-47, 395.99
MW-48, 394.66
MW-46, 397.96, 0.02
B00103, 397.35
B00104, 395.54
MW-45, 397.95

Legend

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

Horizontal Well:

- Slotted Pipe
- Solid Pipe

MW-46, 397.96, 0.02
Location ID | Groundwater Elevation (ft AMSL) | LNAPL Thickness (ft)

NOTES: 1. Elevation shown in feet above mean sea level (ft amsl); NAVD 88 Datum.
2. Groundwater elevations for DCDPZ01, MW-05R, MW-79, SSIPZ02, and TR3-MW-02 were not used to generate groundwater contours.
3. Horizontal Well System Pumps Approximately 3 gallons per minute from the Upper Water-Bearing Zone.
SOURCE: NYS Digital Ortho-imagery Program (NYSDOP), Onondaga County, 2018

40 0 40 Feet

SITE-WIDE GROUNDWATER MONITORING
CARRIER THOMPSON ROAD SITE
SHALLOW GROUNDWATER ELEVATIONS
(SEPTEMBER 20 & 21, 2021)
TR 3 NORTH WALL AREA

AECOM

FIGURE 4

J:\Projects\60310231_UTCAOCGRI\MISC\GIS\Maps\SITE-WIDE\GW REPORT 2021\04 SHALLOW GROUNDWATER ELEVATIONS (SEP 2021) (INSET).mxd 12/9/2021

N

SANDERS CREEK

CARRIER PKWY

THOMPSON RD

KINNE ST

MW-14D, 401.95

MW-41D, 402.29

MW-40D, 396.33

MW-35D, 396.42

MW-03D, 397.90

MW-13D2, 396.71

MW-22D, 397.87

MW-16D, 400.76

402

401

400

399

398

397

Legend

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

MW-16D, 400.76
Location ID
Groundwater Elevation (ft AMSL)

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 (NYSDOP), Onondaga County, 2018

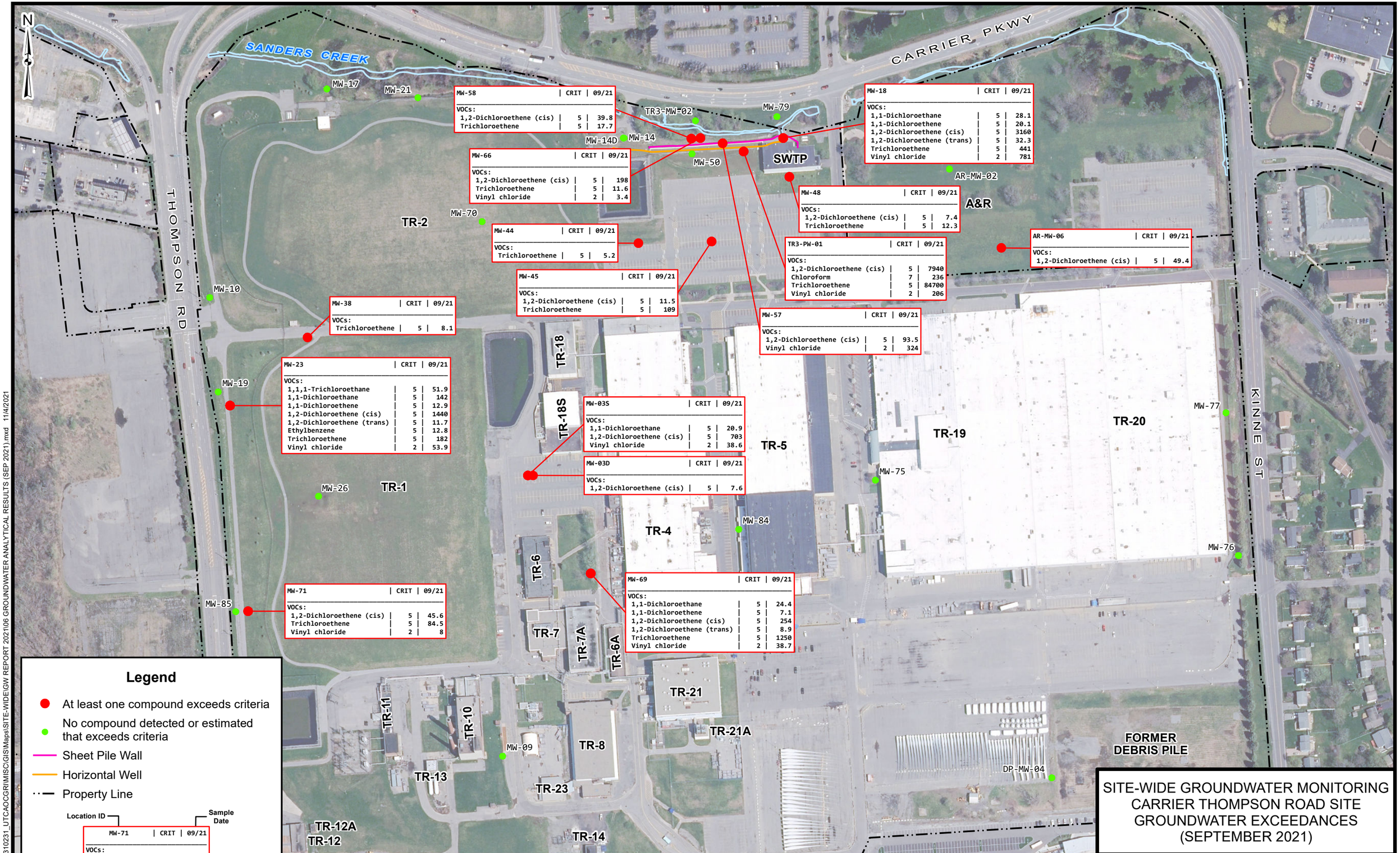
250 0 250 Feet

SITE-WIDE GROUNDWATER MONITORING CARRIER THOMPSON ROAD SITE DEEP GROUNDWATER ELEVATIONS (SEPTEMBER 20 & 21, 2021)

AECOM

FIGURE 5

J:\Projects\60310231_UTC\AOCGRI\MISC\GIS\Maps\SITE-WIDE\GWREPORT 2021\05 DEEP GROUNDWATER ELEVATIONS (SEP 2021).mxd 11/10/2021



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 2021)

AECOM

FIGURE 6

J:\Projects\60310231_UTCAOCGR\MISC\GIS\Maps\SITE-WIDE\GW REPORT 2021\06 GROUNDWATER ANALYTICAL RESULTS (SEP 2021).mxd 11/4/2021

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
Miscelllaneous Interior	MW-08	Upper	2	x			
Miscelllaneous Interior	MW-49	Upper	2	x			
Miscelllaneous Interior	MW-69	Upper	2	x	x		
Miscelllaneous Interior	MW-70	Upper	2	x	x		x
Miscelllaneous Interior	MW-72	Upper	2	x			
Miscelllaneous Interior	MW-74	Upper	2	x			
Miscelllaneous Interior	MW-75	Upper	2	x	x		
Miscelllaneous Interior	MW-78	Upper	2	x			
Miscelllaneous Interior	MW-81	Upper	2	x			
Miscelllaneous Interior	MW-82	Upper	2	x			
Miscelllaneous Interior	MW-83	Upper	2	x			
Miscelllaneous 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 20 and 21, 2021

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	-	3.57	-	404.81	No lock	OK	OK	OK	
MW-05R	Upper	2	1125014.53	952292.73	396.81	-	3.57	-	393.24	Lock OK (#2537 key)	OK	OK	OK	
MW-09	Upper	2	1123038.00	952979.38	406.20	-	6.77	-	399.43	Lock OK (#2537 key)	OK	OK	OK	
MW-10	Upper	2	1124386.24	952118.57	402.79	-	8.59	-	394.20	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	403.60	-	10.38	-	393.22	Lock OK (#2537 key)	OK	OK	OK	
MW-14D	Lower	2	1124855.10	953337.00	403.68	-	0.49	-	403.19	Lock OK (#2537 key)	OK	OK	OK	
MW-16D	Lower	2	1122764.69	953409.36	406.13	-	5.37	-	400.76	No lock	OK	OK	OK	
MW-17	Upper	2	1124999.53	952462.72	397.02	-	8.27	-	388.75	No lock	OK	OK	OK	
MW-19	Upper	2	1124108.76	952143.57	404.72	-	9.21	-	395.51	No lock	OK	OK	OK	
MW-21	Upper	2	1124973.70	952730.22	402.52	-	11.48	-	391.04	No lock	OK	OK	OK	
MW-42	Upper	2	1124967.30	953212.96	396.57	-	6.57	-	390.00	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	-	9.26	-	395.69	No lock	OK	OK	OK	
MW-73	Upper	2	1124257.22	951987.57	403.40	-	8.18	-	395.22	No lock	OK	OK	OK	
MW-76	Upper	2	1123627.57	955141.81	406.07	-	7.62	-	398.45	No lock	OK	OK	OK	
MW-77	Upper	2	1124047.75	955105.46	404.81	-	8.67	-	396.14	No lock	OK	OK	OK	
MW-79	Upper	2	1124917.99	953785.24	395.69	-	3.76	-	391.93	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	-	6.92	-	396.16	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	-	2.52	-	392.94	No lock	OK	OK	OK	
A&R Area														
AR-MW-01	Upper	2	1124770.59	954418.68	403.76	-	5.95	-	397.81	No lock	OK	OK	OK	
AR-MW-02	Upper	2	1124764.40	954292.16	403.40	-	5.27	-	398.13	No lock	OK	OK	OK	
AR-MW-03	Upper	2	1124754.76	954149.74	403.41	-	5.31	-	398.10	No lock	OK	OK	OK	
AR-MW-04	Upper	2	1124515.46	954180.87	404.50	-	8.00	-	396.50	No lock	OK	OK	OK	
AR-MW-05	Upper	2	1124466.37	954310.19	404.87	-	8.81	-	396.06	No lock	OK	OK	OK	
AR-MW-06	Upper	2	1124531.93	954445.06	404.63	-	9.70	-	394.93	No lock	OK	OK	OK	
AR-SB-02	Upper	1	1124990.10	954142.60	396.19	-	1.72	-	394.47	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	10.78	10.79	0.01	396.50	No lock	OK	OK	OK	
DCDPZ02	Upper	1	1123938.80	952468.92	407.00	-	10.00	-	397.00	No lock	OK	Outer Casing Broken	OK	mowed over on 10/16/20
DCDPZ03	Upper	1	1123882.13	952353.09	407.23	-	10.70	-	396.53	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 1.95 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	-	11.34	-	394.87	Lock OK (#2537 key)	OK	OK	OK	
MW-23	Upper	2	1124068.77	952177.73	403.54	-	8.62	-	394.92	No lock	OK	OK	OK	
MW-24	Upper	2	1124038.77	952184.40	404.58	-	8.88	-	395.70	No lock	OK	OK	OK	
MW-25	Upper	4	1123764.64	952464.75	406.25	8.5	8.51	0.01	397.75	No lock	OK	OK	OK	
MW-26	Upper	2	1123802.12	952438.56	406.65	-	9.38	-	397.27	No lock	OK	OK	OK	
MW-27	Upper	2	1123753.79	952424.39	406.19	-	8.79	-	397.40	No lock	OK	OK	OK	
MW-28	Upper	2	1123769.62	952481.06	406.15	-	7.48	-	398.67	No lock	OK	OK	OK	
MW-29	Upper	4	1123774.62	952380.23	406.19	-	9.12	-	397.07	No lock	OK	OK	OK	
MW-30	Upper	4	1123895.44	952378.56	407.08	-	10.45	-	396.63	No lock	OK	OK	OK	
MW-31	Upper	2	1123932.11	952388.93	406.46	10.34	10.67	0.33	396.03	No lock	OK	OK	OK	
MW-32	Upper	2	1123867.11	952410.22	406.67	-	9.42	-	397.25	No lock	OK	OK	OK	
MW-33	Upper	2	1123903.80	952446.42	406.71	9.85	9.87	0.02	396.86	No lock	OK	OK	OK	
MW-34	Upper	2	1123899.61	952363.56	406.73	-	10.37	-	396.36	No lock	OK	OK	OK	
MW-35D	Lower	2	1123932.11	952377.73	407.33	-	10.91	-	396.42	No lock	OK	OK	OK	
MW-36	Upper	4	1124197.92	952411.89	407.66	-	12.12	-	395.54	No lock	OK	OK	OK	
MW-37	Upper	2	1124204.59	952396.06	406.74	-	11.19	-	395.55	No lock	OK	OK	OK	
MW-38	Upper	2	1124268.75	952406.06	404.45	-	9.26	-	395.19	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	-	8.03	-	396.33	No lock	OK	OK	OK	
SSIPZ01	Upper	1	1123762.14	952385.59	406.32	-	9.16	-	397.16	No lock	OK	OK	OK	
SSIPZ02	Upper	1	1123752.14	952490.59	406.41	-	8.77	-	397.64	No lock	OK	OK	OK	Sheen
SSIPZ03	Upper	1	1123778.81	952359.76	406.83	-	10.00	-	396.83	No lock	OK	OK	OK	
SSIPZ04	Upper	1	1123807.97	952478.09	406.48	9.08	10.08	1	397.13	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 20 and 21, 2021

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
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	External inspection only, dug out to expose, ~ 6" of soil over roadbox
B001-02	Upper	1	1124697.08	953817.22	NA	NM	NM	NM	NM	No lock	OK	OK	UNKNOWN	External inspection only, dug out to expose, ~ 6" of soil over roadbox
B001-03	Upper	1	1124616.48	953830.95	405.33	-	7.98	-	397.35	No lock	OK	OK	OK	
B001-04	Upper	1	1124560.22	953706.30	404.14	-	8.60	-	395.54	No lock	OK	OK	OK	
B001-05	Upper	1	1124454.18	953638.67	404.31	-	8.71	-	395.60	No lock	OK	OK	OK	
B001-06	Upper	1	1124486.48	953826.98	405.46	-	6.32	-	399.14	No lock	OK	OK	OK	
B001-07	Upper	1	1124723.54	953981.12	400.53	-	4.50	-	396.03	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	-	5.18	-	396.08	No lock	OK	OK	OK	
B001-10	Upper	1	1124537.03	953956.04	402.38	-	5.59	-	396.79	No lock	OK	OK	OK	
MW-18	Upper	2	1124855.40	953803.88	397.71	-	4.28	-	393.43	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	-	3.10	-	402.29	No lock	OK	OK	OK	concrete pad deteriorating
MW-43	Upper	2	1124808.28	953664.88	405.11	-	8.71	-	396.40	No lock	OK	OK	OK	
MW-44	Upper	2	1124546.23	953378.53	404.45	-	6.79	-	397.66	No lock	OK	OK	OK	
MW-45	Upper	2	1124551.23	953593.53	404.13	-	6.18	-	397.95	No lock	OK	OK	OK	
MW-46	Upper	2	1124678.75	953574.72	404.05	6.08	6.10	0.02	397.96	No lock	OK	OK	OK	
MW-47	Upper	2	1124759.44	953732.29	405.01	-	9.02	-	395.99	No lock	OK	OK	OK	
MW-48	Upper	2	1124741.00	953821.67	405.33	-	10.67	-	394.66	No lock	OK	OK	OK	
MW-50	Upper	2	1124808.71	953536.03	405.27	-	9.00	-	396.27	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	-	2.33	-	395.73	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	-	8.85	-	396.43	No lock	OK	OK	OK	
MW-66	Upper	2	1124854.94	953560.48	396.37	-	6.06	-	390.31	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	-	7.12	-	390.28	No lock	OK	OK	OK	
PLR001	Upper	1	1124467.93	953858.05	405.10	5.61	5.67	0.06	399.48	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-GB-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	-	9.19	-	395.84	No lock	OK	OK	OK	
TR3-PW-02	Upper	4	1124805.52	953444.97	405.59	-	9.38	-	396.21	No lock	OK	OK	OK	
SWMU 1-4 Area														
MW-03D	Lower	2	1123862.95	953068.54	405.64	-	7.74	-	397.90	Lock OK (#2537 key)	OK	OK	OK	
MW-03S	Upper	2	1123862.95	953053.54	404.54	-	6.90	-	397.64	Lock OK (#2537 key)	OK	OK	OK	
MW-13D2	Lower	2	1123847.11	953071.04	402.71	-	6	-	396.71	No lock	OK	OK	OK	
MW-22D	Lower	2	1123728.61	952956.41	404.34	-	6.47	-	397.87	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	-	5.51	-	398.49	No lock	OK	OK	OK	
MW-49	Upper	2	1124635.39	953204.37	407.66	-	11.18	-	396.48	No lock	OK	OK	OK	
MW-69	Upper	2	1123575.09	953238.60	403.70	-	5.49	-	398.21	No lock	OK	OK	OK	
MW-70	Upper	2	1124609.37	952918.96	406.24	-	10.90	-	395.34	No lock	OK	OK	OK	
MW-72	Upper	2	1123133.97	952768.81	404.10	-	5.15	-	398.95	No lock	OK	OK	OK	
MW-74	Upper	2	1123318.97	953446.58	405.64	-	7.29	-	398.35	No lock	OK	OK	OK	
MW-75	Upper	2	1123849.47	954074.99	405.29	-	6.91	-	398.38	No lock	OK	OK	OK	
MW-78	Upper	2	1124424.80	954858.90	402.58	-	7.14	-	395.44	No lock	OK	OK	OK	
MW-81	Upper	2	1124341.64	954033.81	406.10	-	7.79	-	398.31	No lock	OK	OK	OK	
MW-82	Upper	2	1124398.72	954533.30	404.19	-	9.79	-	394.40	No lock	OK	OK	OK	
MW-83	Upper	2	1124336.76	954304.18	404.92	-	6.10	-	398.82	No lock	OK	OK	OK	
MW-84	Upper	2	1123704.67	953673.48	403.57	-	7.03	-	396.54	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 2021

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-092121
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/23/21	09/23/21	09/23/21	09/21/21	09/21/21
Parameter	Units	*					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	17.2
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	4.4
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	49.4	0.51 U	7.6	581 DJ
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	0.99 J
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Chloroform	UG/L	7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
Trichloroethene	UG/L	5	0.53 U	4.0	0.53 U	0.53 U	1.3
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	UG/L	2	0.79 U	1.7	0.79 U	0.79 U	35.7
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	0.66 U	NA	0.69 U	0.66 U	0.90 J

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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TABLE 3
CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - SEPTEMBER 2021

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			09/21/21	09/21/21	09/22/21	09/24/21	09/24/21
Parameter	**Units**	*					
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-Dichloroethane	UG/L	5	20.9	0.57 U	0.57 U	0.57 U	NA
1,1-Dichloroethene	UG/L	5	4.8	0.59 U	0.59 U	0.59 U	NA
1,2-Dichloroethene (cis)	UG/L	5	703 D	0.51 UJ	0.51 U	0.51 U	NA
1,2-Dichloroethene (trans)	UG/L	5	1.5	0.54 U	0.54 U	0.54 U	NA
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	NA
Chloroform	UG/L	7	0.5 U	0.5 U	0.5 U	0.5 U	NA
Ethylbenzene	UG/L	5	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	0.9 U	NA
Trichloroethene	UG/L	5	1.6	2.6	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	38.6	0.79 U	0.79 U	0.79 U	NA
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	0.66 U	NA	0.66 U	0.66 U	0.73 U

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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TABLE 3
CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - SEPTEMBER 2021

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			09/22/21	09/23/21	09/22/21	09/22/21	09/22/21
Parameter	**Units**	*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	51.9
1,1-Dichloroethane	UG/L	5	0.57 U	28.1	0.57 U	0.57 U	142
1,1-Dichloroethene	UG/L	5	0.59 U	20.1	0.59 U	0.59 U	12.9
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	3,160 D	2.8	1.6	1,440 D
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	32.3	0.54 U	0.54 U	11.7
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	2.1 U
Chloroform	UG/L	7	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	0.6 U	12.8
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	0.9 U	0.9 U	4.5 U
Trichloroethene	UG/L	5	0.53 U	441 D	1.1	1.9	182
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	0.4 U	0.4 U	2 U
Vinyl chloride	UG/L	2	0.79 U	781 DJ	0.79 U	0.79 U	53.9
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	0.66 U	NA	NA	NA	NA

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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TABLE 3
CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - SEPTEMBER 2021

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			09/22/21	09/22/21	09/23/21	09/23/21	09/23/21
Parameter	**Units**	*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.70 J	0.54 U	0.54 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.65 J	0.57 U	2.0
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	0.59 J	0.81 J	11.5	7.4
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.61 J	2.3	0.54 U
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Chloroform	UG/L	7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
Trichloroethene	UG/L	5	1.4	8.1	5.2	109	12.3
Trichlorofluoromethane	UG/L	5	0.4 U	4.1	0.4 U	0.4 U	0.4 U
Vinyl chloride	UG/L	2	0.79 U	0.79 U	0.79 U	1.2	0.79 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 3
CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - SEPTEMBER 2021

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			09/23/21	09/23/21	09/24/21	09/24/21	09/21/21
Parameter	**Units**	*					
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-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	0.76 J	24.4 J
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.59 U	0.65 J	7.1 J
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	93.5	39.8	198	254 DJ
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.75 J	0.54 U	1.6	8.9 J
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	0.56 J
Chloroform	UG/L	7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	0.6 U	0.6 UJ
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	0.9 U	0.9 U	3.6 J
Trichloroethene	UG/L	5	0.53 U	1.4	17.7	11.6	1,250 DJ
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	0.4 U	0.4 U	0.4 UJ
Vinyl chloride	UG/L	2	0.79 U	324 D	2.0	3.4	38.7 J
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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TABLE 3
CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - SEPTEMBER 2021

Location ID			MW-70	MW-71	MW-75	MW-76	MW-77
Sample ID			MW-70	MW-71	MW-75	MW-76	FD-092321
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/22/21	09/22/21	09/21/21	09/23/21	09/23/21
Parameter	**Units**	*					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	0.60 J	0.59 U	0.59 U	0.59 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	45.6	0.51 U	0.51 U	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	3.2	0.54 U	0.54 U	0.54 U
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Chloroform	UG/L	7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
Trichloroethene	UG/L	5	0.53 U	84.5	0.53 U	0.53 U	0.53 U
Trichlorofluoromethane	UG/L	5	0.4 U	0.71 J	0.4 U	0.4 U	0.4 U
Vinyl chloride	UG/L	2	0.79 U	8.0	0.79 U	0.79 U	0.79 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	1.5	2.1	NA	NA	NA

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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TABLE 3
CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - SEPTEMBER 2021

Location ID			MW-77	MW-79	MW-79	MW-84	MW-85
Sample ID			MW-77	FD-092421	MW-79	MW-84	MW-85
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/23/21	09/24/21	09/24/21	09/21/21	09/22/21
Parameter	**Units**	*		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 UJ	0.54 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.57 U	0.57 UJ	0.57 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 UJ	0.59 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	0.51 U	0.51 U	0.51 UJ	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 UJ	0.54 U
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 UJ	0.43 U
Chloroform	UG/L	7	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.6 U	0.6 UJ	0.6 U
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	0.9 U	3.5 J	0.9 U
Trichloroethene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 UJ	0.53 U
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	0.4 U	0.4 UJ	0.4 U
Vinyl chloride	UG/L	2	0.79 U	0.79 U	0.79 U	0.79 UJ	0.79 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 3
CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - SEPTEMBER 2021

Location ID			TR3-MW-02	TR3-PW-01
Sample ID			TR3-MW-02	TR3-PW-01
Matrix			Groundwater	Groundwater
Depth Interval (ft)			-	-
Date Sampled			09/24/21	09/23/21
Parameter	**Units**	*		
Volatile Organic Compounds				
1,1,1-Trichloroethane	UG/L	5	0.54 U	130 U
1,1-Dichloroethane	UG/L	5	0.57 U	140 U
1,1-Dichloroethene	UG/L	5	0.59 U	150 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	7,940
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	130 U
Benzene	UG/L	1	0.43 U	110 U
Chloroform	UG/L	7	0.5 U	236 J
Ethylbenzene	UG/L	5	0.6 U	150 U
Tetrachloroethene	UG/L	5	0.9 U	220 U
Trichloroethene	UG/L	5	0.53 U	84,700 D
Trichlorofluoromethane	UG/L	5	0.4 U	100 U
Vinyl chloride	UG/L	2	0.79 U	206 J
Semivolatile Organic Compounds				
1,4-Dioxane	UG/L	-	NA	NA

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 4
CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
STATISICAL SUMMARY OF GROUNDWATER RESULTS - SEPTEMBER 2021

Parameter	Units	Criteria*	No. of Samp-les	No. of Detect-ions	Freq. of Detect-ions	Range of Detections			No. Exceed	Location of Max Value
						Min	Max	Avg		
Volatile Organic Compounds										
1,1,1-Trichloroethane	UG/L	5	36	2	5.6%	0.700	51.90	26.30	1	MW-23
1,1-Dichloroethane	UG/L	5	36	8	22.2%	0.650	142.0	29.50	5	MW-23
1,1-Dichloroethene	UG/L	5	36	7	19.4%	0.600	20.10	7.22	3	MW-18
1,2-Dichloroethene (cis)	UG/L	5	36	18	50.0%	0.590	7,940	807.6	14	TR3-PW-01
1,2-Dichloroethene (trans)	UG/L	5	36	10	27.8%	0.610	32.30	6.39	3	MW-18
Benzene	UG/L	1	36	1	2.8%	0.560	0.560	0.560	0	MW-69
Chloroform	UG/L	7	36	1	2.8%	236.0	236.0	236.0	1	TR3-PW-01
Ethylbenzene	UG/L	5	36	1	2.8%	12.80	12.80	12.80	1	MW-23
Tetrachloroethene	UG/L	5	36	2	5.6%	3.50	3.60	3.55	0	MW-69
Trichloroethene	UG/L	5	36	19	52.8%	1.10	8.47E+04	4,570	11	TR3-PW-01
Trichlorofluoromethane	UG/L	5	36	2	5.6%	0.710	4.10	2.41	0	MW-38
Vinyl chloride	UG/L	2	36	12	33.3%	1.20	781.0	124.5	10	MW-18
Semivolatile Organic Compounds										
1,4-Dioxane	UG/L	-	11	3	27.3%	0.900	2.10	1.50	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. Cl

Concentration Exceeds Criteria

Only Detected Results Reported.

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WHERE [LOGDATE] >= #9/21/2021# AND [MATRIX] = 'WG';

APPENDIX A

LOW FLOW GROUNDWATER PURGING/SAMPLING LOGS

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: AR-MW-02

Date: 9/23/21 Sampling Personnel: J. Urban Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: LDPE + silicone Pump/Tubing Inlet Location: Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 5.34 Depth to Well Bottom: 12.80 Well Diameter: 2" Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 4.6 Estimated Purge Volume (liters): 5-8

Sample ID: AR-MW-02 Sample Time: 1015 QA/QC: none

Sample Parameters: VOCs + 1,4-Dioxane

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	7.09	17.5	0.948	1.77	72.34	74.-	230	5.34
0955	6.99	17.5	0.872	0.43	15.15	76.9	230	5.77
1000	6.97	18.6	0.872	0.25	4.18	69.5	230	6.18
1005	6.98	18.0	0.873	0.22	1.52	62.5	230	6.39
1010	6.97	18.1	0.873	0.17	2.92	62.8	230	6.63
1015	6.97	18.1	0.874	0.14	3.03	60.3	230	6.85
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: AR-MW-06

Date: 09/23/21 Sampling Personnel: R. MURPHY Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: HDPE/SILICONE Pump/Tubing Inlet Location: 2" Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 9.72 Depth to Well Bottom: 13.34 Well Diameter: 2" Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 3.62 2.2 Estimated Purge Volume (liters): 6.3

Sample ID: AR-MW-06 Sample Time: 0940 QA/QC: NONE

Sample Parameters: VOCs.

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)
0905	7.23	18.9	1.353	3.58	12.74	79.2	180	9.72
0910	7.18	17.5	1.191	1.21	18.79	81.3	180	10.68
0915	7.15	17.3	1.233	1.19	5.31	83.9	180	10.93
0920	7.15	17.1	1.291	1.01	0.00	84.7	180	11.13
0925	7.15	17.0	1.293	0.80	0.00	85.7	180	11.23
0930	7.15	17.0	1.294	0.65	0.00	86.5	180	11.29
0935	7.15	17.0	1.295	0.55	0.00	87.2	180	11.39
0940	7.15	16.9	1.295	0.47	0.00	88.7	180	11.40
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: DP-MW-04

Date: 9/23/21 Sampling Personnel: T. Urban Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: LDPE + silicone Pump/Tubing Inlet Location: 2" Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 3.58 Depth to Well Bottom: 11.60 Well Diameter: Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 4.95 Estimated Purge Volume (liters): 5.0

Sample ID: DP-MW-04 Sample Time: 0825 QA/QC: none

Sample Parameters: VOCs + 1,4-Dioxane

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)
0800	6.81	18.1	1.381	0.97	0.08	-41.5	200	3.58
0805	6.79	17.5	1.355	0.19	0.63	-47.0	200	3.91
0810	6.78	17.9	1.322	0.10	2.92	-56.4	200	4.20
0815	6.78	18.1	1.310	0.07	2.54	-60.0	200	4.41
0820	6.78	18.1	1.307	0.05	2.78	-62.0	200	4.65
0825	6.78	18.2	1.309	0.06	3.02	-63.2	200	4.86
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-03D

Date: 9/21/21 Sampling Personnel: R MURPHY Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: LDPE/SILICONE Pump/Tubing Inlet Location: Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 7.75 Depth to Well Bottom: 29.80 Well Diameter: 2 Screen Length:

22.05

Casing Type: PVC Volume in 1 Well Casing (liters): 13.6 Estimated Purge Volume (liters): 15.2

Sample ID: MW-03D Sample Time: 1504 QA/QC: MS/MSD

Sample Parameters: VOCs + 1,4 DIOXANE

PURGE PARAMETERS

TIME	pH	TEMP (°C)	SPEC. COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1424	7.13	17.6	2.719	1.38	9.69	17.7	380	7.75
1429	7.13	16.8	2.717	0.21	14.44	10.9	380	10.65
1434	7.13	16.9	2.707	0.05	2.53	9.6	380	11.21
1439	7.14	16.7	2.709	0.00	3.67	11.6	380	12.38
1444	7.14	16.6	2.695	0.00	8.36	19.7	380	12.87
1449	7.15	16.3	2.680	0.00	12.20	21.4	380	13.54
1454	7.15	16.3	2.678	0.00	14.10	1.0	380	13.86
1459	7.16	16.2	2.660	0.00	14.64	-1.7	380	14.08
1504	7.16	16.1	2.657	0.00	15.61	-6.1	380	14.28
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-035

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

Purging/Sampling Device: Peristaltic Tubing Type: HDPE+silicone Pump/Tubing Inlet Location: Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 8.25 (6.89 actual) Depth to Well Bottom: 15.65 (13.97 actual) Well Diameter: 2" Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 4.57 Estimated Purge Volume (liters): 7.0

Sample ID: MW-035 Sample Time: 1505 QA/QC: Field Dup FD-092121

Sample Parameters: VOCs + 1,4-Dioxane

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)
1430	7.19	20.2	4.942	1.34	192.99	-70.3	200	8.25
1435	7.17	20.4	4.973	0.31	54.03	-53.1	200	8.77
1440	7.17	20.5	4.944	0.20	13.08	-52.7	200	8.85
1445	7.19	20.6	4.858	0.10	1.02	-55.8	200	8.94
1450	7.32	20.6	4.394	0.09	1.18	-62.5	200	9.05
1455	7.35	20.6	4.284	0.28	2.28	-63.8	200	9.15
1500	7.35	20.7	4.299	0.26	3.45	-64.9	200	9.23
1505	7.34	20.7	4.343	0.27	2.99	-65.2	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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-09

Date: 9/21/21 Sampling Personnel: R. Murray Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: TEFLON/SILICONE Pump/Tubing Inlet Location: Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 6.77 Depth to Well Bottom: 17.46 Well Diameter: 2 Screen Length:

10.69

Casing Type: PVC Volume in 1 Well Casing (liters): 6.6 Estimated Purge Volume (liters): 7.8

Sample ID: MW-09 Sample Time: 1636 QA/QC: —

Sample Parameters: VOCs

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)
1556	7.61	16.8	1.035	1.67	335.00	-16.6	225	6.77
1601	7.54	16.5	0.824	0.34	38.78	8.9	190	7.28
1606	7.53	16.8	0.772	0.24	7.56	21.3	190	7.56
1611	7.53	16.8	0.754	0.20	3.04	22.0	190	7.75
1616	7.53	16.8	0.731	0.25	0.00	21.6	190	7.95
1621	7.54	16.8	0.695	0.82	0.00	22.4	190	8.12
1626	7.54	17.0	0.692	1.42	0.00	25.4	190	8.25
1631	7.53	17.1	0.716	1.52	0.00	27.2	190	8.39
1636	7.52	16.8	0.742	1.40	0.00	28.0	190	8.52
1636								
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 ($vol_{cyl} = \pi r^2 h$)

Remarks: COND @ ~6%, ALL OTHER PARAMETERS OK.

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-10

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

Purging/Sampling Device: Peristaltic Tubing Type: LDPE+Silicone Pump/Tubing Inlet Location: 2'' Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 8.58 Depth to Well Bottom: 14.85 Well Diameter: Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 3.87 Estimated Purge Volume (liters): 6.9

Sample ID: MW-10 Sample Time: 1030 QA/QC: None

Sample Parameters: VOCs & 1,4-Dioxane

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	7.28	17.7	3.115	1.97	4382.22	29.7	180	8.58
0955	7.21	17.7	3.116	0.33	350.81	30.5	170	9.15
1000	7.21	17.7	3.116	0.20	849.42	33.4	170	9.38
1005	7.13	17.7	3.107	0.58	91.73	46.1	170	9.66
1010	7.06	17.5	3.131	0.75	64.77	48.6	170	9.95
1015	7.04	17.8	3.204	0.71	26.49	48.1	170	10.23
1020	7.06	17.5	3.258	0.61	61.30	48.1	170	10.52
1025	7.08	17.7	3.262	0.62	15.72	46.3	170	11.00
1030	7.10	17.7	3.281	0.58	14.05	45.1	170	11.21
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-14

Date: 9/24/21 Sampling Personnel: T. Urban Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: HDPE + Silicone Pump/Tubing Inlet Location: Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 10.51 Depth to Well Bottom: 21.17 Well Diameter: 2" Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 6.6 Estimated Purge Volume (liters): 7.2

Sample ID: MW-14 Sample Time: 0845 QA/QC: None

Sample Parameters: VOCs + 1,4-Dioxane

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)
0805	7.07	15.1	1.703	3.06	8.09	-114.6	180	10.51
0810	7.01	14.6	1.634	1.33	0.78	-106.4	180	11.11
0815	6.99	14.7	1.629	1.97	0.67	-105.2	180	11.40
0820	6.99	14.8	1.625	0.25	0.57	-108.8	180	11.71
0825	6.99	14.9	1.621	0.15	4.32	-111.1	180	11.95
0830	6.99	14.9	1.619	0.09	13.00	-111.2	180	12.27
0835	6.98	15.2	1.627	0.09	10.24	-109.1	180	12.54
0840	6.98	15.3	1.644	0.08	8.99	-107.1	180	12.82
0845	6.97	15.4	1.658	0.07	6.90	-105.1	180	13.09
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-14D

Date: 9/24/21 Sampling Personnel: R Murphy Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: HDPE + silicone Pump/Tubing Inlet Location: Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 1.71 Depth to Well Bottom: 49.68 Well Diameter: 2" Screen Length:

4.7.97

Casing Type: PVC Volume in 1 Well Casing (liters): 29.6 Estimated Purge Volume (liters): 29.4

Sample ID: MW-14D Sample Time: 0916 QA/QC: None

Sample Parameters: 1,4-Dioxane

PURGE PARAMETERS

500

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)	
0806	7.28	14.2	4.330	1.87	36.00	-17.2	420	1.71	
0811	7.21	14.3	4.346	0.28	27.18	29.4	420	5.68	
0816	7.21	14.3	4.347	0.19	25.48	36.3	420	6.80	
0821	7.21	14.2	4.346	0.13	20.13	30.3	420	7.82	
0826	7.21	14.1	4.344	0.09	19.21	27.1	420	9.85	
0831	7.20	14.2	4.350	0.09	21.85	24.5	420	10.60	
0836	7.20	14.1	4.350	0.07	28.52	21.5	420	10.92	
0841	7.20	14.2	4.348	0.06	33.16	19.1	420	11.35	
0846	7.20	14.1	4.345	0.04	41.00	17.5	420	11.85	
0851	7.21	13.8	4.343	0.03	38.10	10.3	420	12.24	
0856	7.21	13.8	4.343	0.03	37.73	8.0	420	12.45	← Bubbles on turbidity sensor
0901	7.21	13.6	4.342	0.02	41.05	2.9	420	12.68	
0906	7.22	13.6	4.344	0.02	14.90	1.4	420	12.96	
0911	7.22	13.6	4.341	0.01	15.15	-0.3	420	13.16	
0916	7.22	13.6	4.350	0.01	14.93	-1.5	420	13.33	
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

0830- Mark Eanes + Blake Goodfellow onsite, to perform well repairs MW-46. Have tailgate H&S chat.

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-17

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

Purging/Sampling Device: Peristaltic Tubing Type: LDPE & Silicone Pump/Tubing Inlet Location:

Measuring Point: Below Top of Riser Initial Depth to Water: 8.18 Depth to Well Bottom: 15.15 Well Diameter: 2" Screen midpoint Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 4.3 Estimated Purge Volume (liters): 5.4

Sample ID: MW-17 Sample Time: 0920 QA/QC: None

Sample Parameters: VOCs + 1,4-Dioxane

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)
0850	7.05	16.7	5.015	3.60	806.42	55.0	180	8.18
0855	7.00	15.6	5.090	0.68	584.81	25.8	180	8.42
0900	6.99	15.6	5.087	0.26	85.73	10.5	180	8.92
0905	6.99	15.7	5.082	0.36	37.16	11.0	180	9.20
0910	7.00	15.7	5.082	0.31	47.35	9.7	180	9.41
0915	7.00	15.7	5.079	0.36	27.27	9.1	180	9.62
0920	7.01	15.7	5.077	0.34	27.36	6.3	180	9.83
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-18

Date: 9/23/21 Sampling Personnel: J. Urban Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: LDPE + Silicone Pump/Tubing Inlet Location: Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 4.35 Depth to Well Bottom: 9.28 Well Diameter: 2" Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 3.04 Estimated Purge Volume (liters): 6.3

Sample ID: MW-18 Sample Time: 15:30 QA/QC: None

Sample Parameters: VOCs

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)
1455	7.21	16.8	3.843	2.57	257.68	61.5	180	4.35
1500	7.20	16.6	3.917	0.74	244.43	-74.7	180	4.40
1505	7.20	16.6	3.890	0.44	122.24	-78.9	180	4.40
1510	7.20	16.7	3.990	0.21	84.64	-82.0	180	4.40
1515	7.19	16.7	4.324	0.13	42.33	-84.2	180	4.40
1520	7.19	16.8	4.777	0.10	23.47	-84.6	180	4.40
1525	7.19	16.8	4.782	0.09	18.87	-85.1	180	4.40
1530	7.19	16.7	4.889	0.09	15.35	-84.7	180	4.40
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-19

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

Purging/Sampling Device: Peristaltic Tubing Type: Pump/Tubing Inlet Location: Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 9.25 Depth to Well Bottom: 16.62 Well Diameter: 2" Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 4.55 Estimated Purge Volume (liters): 6.7

Sample ID: MW-19 Sample Time: 1130 QA/QC: Field Dup on PCB's

Sample Parameters: VOCs + PCB's (filtered + not filtered)

Dup on PCBs only FD-092221

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)
1055	7.12	16.5	3.619	0.43	576.78	104.1	190	9.25
1100	7.13	16.7	3.534	0.21	90.34	-79.3	190	9.52
1105	7.14	16.9	3.484	0.12	25.15	-41.3	190	9.65
1110	7.14	16.9	3.459	0.07	9.38	-25.9	190	9.73
1115	7.15	17.0	3.422	0.07	1.44	-12.7	190	9.86
1120	7.14	17.1	3.402	0.07	0.23	-8.5	190	9.96
1125	7.16	17.0	3.391	0.06	0.35	-8.2	190	10.10
1130	7.16	17.0	3.387	0.06	0.16	-11.1	190	10.27
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-21

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

Purging/Sampling Device: Peristaltic Tubing Type: LDPE+Silicone Pump/Tubing Inlet Location: Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 11.52 Depth to Well Bottom: 14.84 Well Diameter: 2" Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 2.05 Estimated Purge Volume (liters): 3.0

Sample ID: MW-21 Sample Time: 1530 QA/QC: none

Sample Parameters: VOCs

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)
1505	6.94	18.1	1.079	1.08	52.28	-49.0	120	11.52
1510	6.94	18.1	1.081	0.27	13.83	-69.1	120	11.60
1515	6.97	18.1	1.089	0.18	3.67	-79.0	120	11.62
1520	6.99	18.1	1.092	0.12	0.72	-86.9	120	11.62
1525	7.01	18.1	1.095	0.11	2.02	-89.4	120	11.62
1530	7.01	18.0	1.096	0.09	3.95	-89.1	120	11.62
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-23

Date: 9/22/21 Sampling Personnel: K. Murray Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: LDPE/Silicone Pump/Tubing Inlet Location: 2" Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 8.61 Depth to Well Bottom: 16.32 Well Diameter: Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 7.71 4.8 Estimated Purge Volume (liters): 5.0

Sample ID: MW-23 + MW-23-F Sample Time: 1206 QA/QC: —

Sample Parameters: VOCs, PCBs (TOTAL + FILTERED)

PURGE PARAMETERS

<120

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1116	7.48	19.2	1.329	1.21	7.37	-102.4	100	8.61
1121	7.48	18.5	1.308	0.19	0.00	-95.4	100	9.63
1126	7.46	18.5	1.289	0.17	1.73	-104.7	100	10.03
1131	7.46	18.6	1.277	0.17	0.30	-102.1	100	10.46
1136	7.45	18.5	1.267	0.16	0.00	-108.2	100	10.85
1141	7.44	18.5	1.257	0.17	2.73	-109.3	100	11.15
1146	7.44	18.7	1.251	0.18	0.00	-109.0	100	11.51
1151	7.44	18.7	1.242	0.17	0.00	-110.5	100	11.89
1156	7.43	18.6	1.236	0.18	0.00	-111.4	100	12.12
1201	7.43	18.5	1.234	0.18	0.00	-111.1	100	12.42
1206	7.43	18.6	1.230	0.18	0.00	-111.6	100	12.71
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 ($vol_{cyl} = \pi r^2 h$)

Remarks: PETROLEUM ODOR
traces of sheen on purge water

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-26

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

Purging/Sampling Device: Peristaltic Tubing Type: LDPE + silicone Pump/Tubing Inlet Location: Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 9.36 Depth to Well Bottom: 21.57 Well Diameter: 2" Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 7.5 Estimated Purge Volume (liters): 7.0

Sample ID: MW-26-MS-MSD-F Sample Time: 1425 QA/QC: MS/MSD PCB's only

Sample Parameters: VOCs, PCB's (filtered + non filtered)

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)
1350	7.39	16.6	0.680	1.43	5.32	-35.0	200	9.36
1355	7.35	16.1	0.642	0.34	1.07	9.5	200	10.25
1400	7.33	16.1	0.640	0.21	1.18	22.0	200	10.85
1405	7.33	16.4	0.640	0.15	0.96	12.6	200	11.60
1410	7.32	16.5	0.641	0.13	1.43	24.1	200	12.15
1415	7.31	16.4	0.641	0.16	1.01	34.7	200	12.72
1420	7.31	16.5	0.641	0.11	1.25	33.1	200	13.41
1425	7.31	16.5	0.638	0.11	1.37	35.8	200	14.00
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-38

Date: 9/22/21 Sampling Personnel: R. MURPHY Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: LDPE + Silicone Pump/Tubing Inlet Location: 2' Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 9.24 Depth to Well Bottom: 14.78 Well Diameter: Screen Length:

5.54

Casing Type: PVC Volume in 1 Well Casing (liters): 3.4 Estimated Purge Volume (liters): 3.5

Sample ID: MW-38 + MW-38-F Sample Time: 14:20 QA/QC: NONE

Sample Parameters: VOCs + PCBs (filtered + total)

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)
1355	7.26	18.6	1.136	5.91	50.02	31.7	140	9.24
1400	7.18	18.6	1.038	5.60	26.49	54.2	140	10.48
1405	7.17	18.6	0.992	5.58	17.64	60.1	140	10.95
1410	7.16	18.7	0.943	5.63	26.49	65.4	140	11.55
1415	7.19	18.7	0.956	5.52	17.64	69.5	140	12.30
1420	7.20	18.6	0.975	5.43	15.89	-71.5	140	12.62
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-44

Date: 9/23/21 Sampling Personnel: T. Urban Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: LDPE silicone Pump/Tubing Inlet Location:

Measuring Point: Below Top of Riser Initial Depth to Water: 6.62 Depth to Well Bottom: 15.70 Well Diameter: 2" Screen midpoint Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 5.6 Estimated Purge Volume (liters): 7.9

Sample ID: MW-44 + MW-44-F Sample Time: 1200 QA/QC: none

Sample Parameters: VOCs + PCBs (filtered & non filtered)

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)
1100	7.00	17.7	11.534	1.46	243.31	88.4	160	6.62
1105	7.01	17.4	11.742	0.47	41.70	75.6	160	7.33
1110	7.02	17.5	11.749	0.25	9.22	82.4	160	7.71
1115	7.02	17.5	11.760	0.22	4.77	87.1	160	8.10
1120	7.03	18.0	11.777	0.18	6.68	89.0	160	8.50
1125	7.03	18.1	11.777	0.16	19.37	88.8	160	8.84
1130	7.04	18.5	11.031	0.36	16.54	88.5	160	9.00
1135	7.12	18.6	7.622	2.42	12.43	88.4	125	9.10
1140	7.18	18.6	6.982	3.50	7.40	92.6	125	9.30
1145	7.21	18.6	6.031	4.58	5.28	93.8	125	9.28
1150	7.24	18.6	5.400	4.72	1.17	94.2	125	9.35
1155	7.27	18.6	5.362	5.03	0.09	96.3	125	9.50
1200	7.29	18.6	5.298	5.13	0.60	98.2	125	9.60
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-45

Date: 9/23/21 Sampling Personnel: R. Murphy Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: LDPE/Silicone Pump/Tubing Inlet Location: 2" Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 6.12 Depth to Well Bottom: 13.10 Well Diameter: Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 4.3 Estimated Purge Volume (liters): 6.5

Sample ID: MW-45 Sample Time: 1100 QA/QC: NONE

Sample Parameters: VOCs (only)

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)
1015	7.59	20.8	10.356	1.06	52.30	125.0	145	6.12
1020	7.62	20.4	10.929	0.23	6.80	111.9	145	7.59
1025	7.67	20.5	10.667	0.18	52.43	107.1	145	8.22
1030	7.76	20.4	9.335	0.15	115.66	74.2	145	8.85
1035	7.77	20.1	9.099	0.15	146.46	56.2	145	9.05
1040	7.75	19.9	9.140	0.15	203.46	54.4	145	9.33
1045	7.64	19.8	9.126	0.15	582.94	57.4	145	9.53
1050	7.34	19.5	8.351	0.14	1085.23	35.5	145	9.73
1055	7.31	19.4	8.227	0.13	1512.73	41.5	145	9.81
1100	7.26	19.4	8.100	0.14	1753.90	44.3	145	9.88
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

As low as pump will go

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 ($vol_{cyl} = \pi r^2 h$)

Remarks: All stable except turbidity climbing

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-48

Date: 9/23/21 Sampling Personnel: T. Urban Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: LDPE silicone Pump/Tubing Inlet Location: Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 10.75 Depth to Well Bottom: 18.30 Well Diameter: 2" Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 4.66 Estimated Purge Volume (liters): 3.6

Sample ID: MW-48 Sample Time: 1420 QA/QC: none

Sample Parameters: VOCs

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)
1350	6.83	16.0	3.402	0.50	2.38	98.1	120	10.75
1355	6.81	16.4	3.382	0.14	2.14	109.8	120	12.60
1400	6.80	16.6	3.373	0.15	2.41	110.0	120	13.05
1405	6.79	16.7	3.374	0.17	1.17	110.9	120	13.70
1410	6.79	16.8	3.374	0.15	10.81	111.2	120	14.40
1415	6.79	16.8	3.373	0.17	16.00	111.4	120	15.05
1420	6.79	16.8	3.377	0.21	18.60	111.5	120	15.50
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-50

Date: 9/23/21 Sampling Personnel: R. Murphy Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: LDPE + Sil.core Pump/Tubing Inlet Location: Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 9.01 Depth to Well Bottom: 20.95 Well Diameter: 2" Screen Length:

11.94

Casing Type: PVC Volume in 1 Well Casing (liters): 7.4 Estimated Purge Volume (liters): 13.0

Sample ID: MW-50 Sample Time: 1159 QA/QC: None

Sample Parameters: VOCs

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)
1124	7.70	15.2	7.805	1.40	14.4	-19.9	370	9.01
1129	7.67	15.5	7.905	0.19	3.62	-125.1	370	9.01
1134	7.68	15.8	7.645	0.11	1.20	-118.0	370	9.01
1139	7.73	16.3	5.753	0.06	3.11	-110.4	370	9.01
1144	7.66	16.4	5.283	0.03	3.28	-103.7	370	9.01
1149	7.63	16.4	5.068	0.02	2.40	-90.7	370	9.01
1154	7.61	16.4	5.013	0.02	1.60	-85.6	370	9.01
1159	7.60	16.4	4.984	0.02	0.98	-83.0	370	9.01
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

5925
1600
2200
9825

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-57

Date: 9/23/21 Sampling Personnel: R. MURPHY Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: LDPE/SILICONE Pump/Tubing Inlet Location: 2" Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 1.65 Depth to Well Bottom: 21.88 / 20.23 Well Diameter: Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 12.5 Estimated Purge Volume (liters): 12.5

Sample ID: MW-57 Sample Time: 1608 QA/QC: None

Sample Parameters: VOCs

PURGE PARAMETERS

1200

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1513	7.43	14.9	2.030	0.56	184.30	-104.9	335	1.65
1518	7.39	15.0	2.019	0.06	29.31	-110.0	335	4.55
1523	7.38	15.4	2.018	0.01	3.32	-113.0	335	5.37
1528	7.37	15.8	2.020	0.02	2.79	-113.7	335	5.43
1533	7.37	15.8	2.027	0.02	13.30	-113.8	260	5.90
1538	7.32	15.8	2.028	0.00	17.27	-114.2	260	6.60
1543	7.36	15.8	2.030	0.00	20.30	-111.8	260	7.08
1548	7.35	15.9	2.046	0.00	29.35	-105.1	220	7.38
1553	7.34	16.1	2.092	0.09	19.87	-101.4	220	7.81
1558	7.34	16.1	2.207	0.12	18.94	-102.1	220	7.83
1603	7.34	16.0	2.259	0.13	18.94	-102.5	220	7.98
1608	7.34	16.1	2.296	0.15	20.87	-103.0	220	8.05
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-58

Date: 9/24/21 Sampling Personnel: R. MURPHY Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: LDPE/SILICONE Pump/Tubing Inlet Location: 2" Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 4.20 Depth to Well Bottom: 23.50 Well Diameter: Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 15.1 / 9.3 Estimated Purge Volume (liters): 11.1

Sample ID: MW-58 Sample Time: 1132 QA/QC: NONE

Sample Parameters: VOCs only

PURGE PARAMETERS

N300

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1047	7.37	15.6	3.314	2.32	69.23	-79.5	300	4.20
1052	7.39	14.7	3.375	0.18	415.86	-87.7	300	4.95
1057	7.39	14.9	3.345	0.07	119.27	-91.4	300	5.32
1102	7.40	15.5	3.160	0.02	45.49	-94.0	300	6.02
1107	7.41	15.8	3.094	0.03	45.70	-93.6	300	6.52
1112	7.37	16.2	3.069	0.19	41.04	-81.8	300	7.02
1117	7.34	16.1	3.063	0.30	36.23	-70.7	300	7.38
1122	7.32	16.8	3.062	0.37	29.21	-60.7	210	7.68
1127	7.32	16.7	3.062	0.31	20.98	-60.2	210	7.97
1132	7.32	16.4	3.056	0.22	15.03	-64.4	210	8.32
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 ($vol_{cyl} = \pi r^2 h$)

Remarks: ORANGE FLOC AT START

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-66

Date: 9/24/21 Sampling Personnel: R. MURPHY Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: TEFLON + SILICONE Pump/Tubing Inlet Location: 2" Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 6.04 Depth to Well Bottom: 22.60 Well Diameter: 2" Screen Length:

16.56

Casing Type: PVC Volume in 1 Well Casing (liters): 10.2 Estimated Purge Volume (liters): 11.2

Sample ID: MW-66 Sample Time: 1028 QA/QC: —

Sample Parameters: VOCs only

PURGE PARAMETERS

~220

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
0948	7.34	14.6	3.685	1.66	486.30	-61.1	280	6.04
0953	7.36	14.2	3.634	0.27	827.28	-77.4	280	6.38
0958	7.35	14.9	3.544	0.10	72.93	-81.3	280	6.46
1003	7.32	15.4	3.526	0.08	79.60	-75.1	280	6.42
1008	7.28	15.3	3.502	0.06	82.17	-66.8	280	6.44
1013	7.12	15.6	3.496	0.08	62.51	-34.0	280	6.48
1018	7.09	15.8	3.480	0.09	43.33	-26.6	280	6.49
1023	7.10	15.9	3.434	0.07	21.38	-28.5	280	6.48
1028	7.10	15.9	3.325	0.06	11.43	-30.1	280	6.48
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

1010 - well repair (MW-46) completed, PW offsite

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-69

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

Purging/Sampling Device: Peristaltic Tubing Type: HDPE + Silicone Pump/Tubing Inlet Location: Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 5.53 Depth to Well Bottom: 13.50 Well Diameter: 2" Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 4.92 Estimated Purge Volume (liters): 6.8

Sample ID: MW-69 Sample Time: 16:35 QA/QC: None

Sample Parameters: VOCs

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)
1550	7.26	17.6	6.189	2.09	45.28	42.6	150	5.53
1555	7.28	16.8	6.216	0.17	75.29	17.9	150	6.00
1600	7.28	17.1	6.205	0.11	64.06	15.6	150	6.22
1605	7.28	17.4	6.173	0.10	72.04	17.2	150	6.44
1610	7.26	17.7	6.077	0.10	94.17	22.3	150	6.60
1615	7.19	17.9	5.973	0.14	53.55	-2.4	150	6.77
1620	7.17	17.9	5.926	0.14	31.81	-17.7	150	6.90
1625	7.17	17.9	5.923	0.13	14.12	-30.3	150	7.03
1630	7.16	17.7	5.952	0.12	6.87	-30.7	150	7.14
1635	7.19	17.6	5.983	0.12	5.45	-29.8	150	7.25
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-70

Date: 9/22/21 Sampling Personnel: R. Murphy Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: LDPE/Silicone Pump/Tubing Inlet Location: Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 10.94 Depth to Well Bottom: 19.70 Well Diameter: 2" Screen Length:

8.76

Casing Type: PVC Volume in 1 Well Casing (liters): 5.4 Estimated Purge Volume (liters): 6.0

Sample ID: MW-70 Sample Time: 1544 QA/QC: NONE

Sample Parameters: VOCs + 1,4-Dioxane

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)
1504	6.98	17.2	2.018	1.65	0.00	50.4	150	10.94
1509	7.04	16.1	1.667	0.28	0.00	54.9	150	11.39
1514	7.03	16.1	1.646	0.14	0.00	38.1	150	11.68
1519	7.02	16.1	1.621	0.11	0.00	43.6	150	11.91
1524	7.01	16.1	1.590	0.08	0.00	59.3	150	12.05
1529	6.97	15.9	1.613	0.11	0.00	54.3	150	12.28
1534	6.93	16.0	1.587	0.14	0.00	62.1	150	12.53
1539	6.93	16.0	1.590	0.14	0.00	61.3	150	12.67
1544	6.94	16.0	1.615	0.11	0.00	53.3	150	12.90
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-71

Date: 9/22/24 Sampling Personnel: A. Murphy Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: LDPE/Silicone Pump/Tubing Inlet Location:

Measuring Point: Below Top of Riser Initial Depth to Water: 9.26 Depth to Well Bottom: 15.00 Well Diameter: 2" Screen midpoint

Screen Length:

5.74

Casing Type: PVC Volume in 1 Well Casing (liters): 3.5 Estimated Purge Volume (liters): 6.3

Sample ID: MW-71 Sample Time: 0925 QA/QC: NONE

Sample Parameters: VOCs + 1,4-Dioxane

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)
0850	7.52	16.7	1.113	1.97	296.42	-68.9	180	9.26
0855	7.48	16.9	1.048	0.34	492.00	-81.5	180	9.63
0900	7.48	17.0	1.026	0.19	490.37	-86.6	180	9.70
0905	7.47	17.0	1.020	0.12	280.33	-86.6	180	9.77
0910	7.46	17.0	1.021	0.10	160.39	-86.8	180	9.80
0915	7.45	17.1	1.033	0.08	49.34	-85.7	180	9.83
0920	7.44	17.0	1.040	0.08	21.77	-84.5	180	9.86
0925	7.43	17.0	1.044	0.07	8.97	-83.2	180	9.88
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 ($vol_{cyl} = \pi r^2 h$)

Remarks: Orange floc, orange tint.

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-75

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

Purging/Sampling Device: Peristaltic Tubing Type: LDPE + Silicone Pump/Tubing Inlet Location: Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 6.96 Depth to Well Bottom: 9.90 Well Diameter: 2" Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 1.81 Estimated Purge Volume (liters): 3.3

Sample ID: MW-75 Sample Time: 1735 QA/QC: none

Sample Parameters: VOCs

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)
1705	7.02	20.2	1.005	2.27	43.41	-53.9	110	6.96
1710	7.04	19.8	0.905	0.53	33.37	-68.7	110	7.22
1715	6.97	19.9	0.855	0.32	23.05	-64.5	110	7.42
1720	6.93	19.8	0.868	0.21	1.26	-69.8	110	7.61
1725	6.92	19.8	0.886	0.19	1.01	-71.0	110	7.78
1730	6.94	19.8	0.893	0.16	1.27	-72.1	110	7.95
1735	6.97	19.8	0.892	0.17	1.25	-71.8	110	8.07
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-76

Date: 9/23/21 Sampling Personnel: T. Urban Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: LDPE+Silicone Pump/Tubing Inlet Location: Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 7.62 Depth to Well Bottom: 14.30 Well Diameter: 2" Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 4.12 Estimated Purge Volume (liters): 5.3

Sample ID: MW-76 Sample Time: 0925 QA/QC: none

Sample Parameters: VOCs

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)
0855	6.98	17.3	7.953	0.89	10.68	-49.7	175	7.62
0900	7.16	17.5	5.786	0.15	1.38	-65.9	175	8.17
0905	7.17	17.6	5.308	0.11	0.68	-50.6	175	8.35
0910	7.08	17.7	4.876	0.25	0.18	-35.8	175	8.55
0915	7.03	17.8	4.744	0.37	2.74	-26.4	175	8.63
0920	7.04	17.8	4.788	0.32	3.45	-27.5	175	8.72
0925	7.05	17.8	4.804	0.28	3.71	-28.4	175	8.81
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-77

Date: 9/23/21 Sampling Personnel: R. MURPHY Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: LDPE/SILICONE Pump/Tubing Inlet Location: Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 8.60 Depth to Well Bottom: 14.15 Well Diameter: 2" Screen Length:

5.55

Casing Type: PVC Volume in 1 Well Casing (liters): ~~3.4~~ Estimated Purge Volume (liters): 4.5

Sample ID: MW-77 Sample Time: 0832 QA/QC: DUPLICATE (FD-092321)

Sample Parameters: VOCs ONLY

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)
0807	6.65	18.6	5.280	1.46	8.98	66.5	180	8.60
0812	6.59	18.0	5.286	0.26	3.27	61.8	180	9.35
0817	6.58	18.1	5.447	0.19	1.03	47.8	180	9.59
0822	6.57	18.1	5.603	0.17	0.00	40.1	180	9.89
0827	6.57	18.1	5.632	0.16	0.00	38.7	180	10.38
0832	6.57	18.1	5.645	0.15	0.00	39.5	180	11.40
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-79

Date: 9/24/21 Sampling Personnel: T. Urban Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: LDPE + silicone Pump/Tubing Inlet Location: Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 3.68 Depth to Well Bottom: 10.00 Well Diameter: 2" Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 3.9 Estimated Purge Volume (liters): 5.4

Sample ID: MW-79 Sample Time: 0950 QA/QC: Field Dup FD-092421

Sample Parameters: VOCs

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	7.15	17.9	2.395	1.44	28.74	-39.4	180	3.68
0925	7.12	18.4	2.376	0.22	30.02	-75.4	180	4.10
0930	7.11	19.0	2.360	0.14	29.85	-85.7	180	4.31
0935	7.09	19.1	2.352	0.13	15.17	-79.9	180	4.56
0940	7.06	19.2	2.341	0.12	4.78	-73.5	180	4.80
0945	7.07	19.4	2.322	0.13	0.40	-75.2	180	4.97
0950	7.09	19.5	2.315	0.11	1.03	-77.2	180	5.16
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-84

Date: 9/21/21 Sampling Personnel: R. MURPHY Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: LDPE/SILICONE Pump/Tubing Inlet Location: Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 6.99 Depth to Well Bottom: 10.95 Well Diameter: 2" Screen Length: 3.96

Casing Type: PVC Volume in 1 Well Casing (liters): 2.4 Estimated Purge Volume (liters): 8.5

Sample ID: MW-84 Sample Time: 1748 QA/QC: NONE

Sample Parameters: VOCs

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)
1658	7.38	21.5	2.681	3.70	103.34	90.7	170	6.99
1703	7.38	21.6	2.705	2.56	23.00	85.6	170	7.42
1708	7.42	21.9	2.795	2.93	7.54	88.9	170	7.60
1713	7.45	21.9	2.862	3.33	3.29	87.4	170	7.75
1718	7.39	21.8	2.710	2.41	5.82	77.4	170	8.12
1723	7.34	21.8	2.591	1.52	2.74	58.7	170	8.36
1728	7.31	21.7	2.472	0.97	84.11	43.5	170	8.58
1733	7.30	21.6	2.450	0.95	92.31	38.1	170	8.78
1738	7.30	21.6	2.420	0.83	85.82	28.1	170	8.95
1743	7.30	21.6	2.420	0.82	96.45	23.2	170	9.15
1748	7.30	21.6	2.439	0.91	95.82	20.2	170	9.24
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

as low as pump will go

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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: MW-85

Date: 9/22/21 Sampling Personnel: R. Murphy Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: HDPE/Silicone Pump/Tubing Inlet Location: 2" Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 6.92 Depth to Well Bottom: 14.68 Well Diameter: Screen Length:

7.76

Casing Type: PVC Volume in 1 Well Casing (liters): 4.8 Estimated Purge Volume (liters): 5.6

Sample ID: MW-85 Sample Time: 1055 QA/QC: None

Sample Parameters: VOCs

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)
1015	7.03	18.6	1.515	1.42	251.54	-49.1	140	6.92
1020	6.99	17.8	1.504	0.26	381.51	-55.0	140	7.45
1025	7.00	17.9	1.493	0.20	82.48	-56.5	140	7.65
1030	7.00	18.1	1.470	0.15	68.15	-56.4	140	7.83
1035	7.04	18.2	1.360	0.17	71.04	-55.0	140	8.02
1040	7.13	18.3	1.122	0.29	84.20	-50.4	140	8.17
1045	7.27	18.3	0.895	0.71	46.32	-46.0	140	8.31
1050	7.28	18.4	0.884	0.75	37.74	-46.4	140	8.50
1055	7.26	18.4	0.884	0.72	16.02	-47.5	140	8.72
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: TR3-MW-02

Date: 9/24/21 Sampling Personnel: T. Urban Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: LDPE + silicone Pump/Tubing Inlet Location: Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 2.24 Depth to Well Bottom: 11.65 Well Diameter: 2" Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 5.8 Estimated Purge Volume (liters): 7.4

Sample ID: TR3-MW-02 Sample Time: 1045 QA/QC: none

Sample Parameters: VOCs

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)
1010	6.95	17.8	2.226	0.66	7.02	-77.4	210	2.24
1015	6.94	18.2	2.219	0.22	7.90	-84.6	210	2.88
1020	6.94	18.6	2.214	0.04	8.69	-91.7	210	3.50
1025	6.94	18.8	2.154	0.03	25.03	-92.6	210	3.62
1030	6.92	18.8	1.983	0.04	25.57	-88.5	210	4.18
1035	6.88	19.0	2.001	0.05	19.23	-85.3	210	4.52
1040	6.86	19.0	2.091	0.05	15.36	-84.0	210	4.90
1045	6.87	19.0	2.078	0.05	13.82	-84.9	210	5.21
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 ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60649701 Task 4.2.1_4Off-GW Mon Lon Term - Off Site: Carrier - Thompson Road Well I.D.: TR3-PW-01

Date: 9/23/21 Sampling Personnel: R. MURPHY Company: AECOM

Purging/Sampling Device: Peristaltic Tubing Type: LDPE + SILICONE Pump/Tubing Inlet Location: Screen midpoint

Measuring Point: Below Top of Riser Initial Depth to Water: 9.33 Depth to Well Bottom: 28.28 Well Diameter: 4" Screen Length:

Casing Type: PVC Volume in 1 Well Casing (liters): 46.8 Estimated Purge Volume (liters): 12.3

Sample ID: TR3-PW-07 Sample Time: 1444 QA/QC: NONE

Sample Parameters: VOCs

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)
1344	7.13	15.8	3.375	2.91	95.21	-106.6	450	9.33
1349	7.07	14.0	3.586	0.21	56.94	-102.7	450	10.24
1354	7.06	14.0	3.566	0.05	111.02	-103.7	450	10.95
1359	7.06	14.0	3.554	0.03	130.26	-104.0	450	11.20
1404	7.06	14.4	3.560	0.01	138.09	-104.3	330	11.52
1409	7.05	14.4	3.558	0.00	138.70	-104.3	330	11.70
1414	7.05	14.3	3.542	0.00	146.91	-104.3	330	11.92
1419	7.05	14.3	3.536	0.00	155.41	-104.3	330	12.13
1424	7.05	14.3	3.538	0.00	153.69	-104.7	330	12.28
1429	7.05	14.3	3.540	0.00	152.04	-105.0	330	12.48
1434	7.05	14.9	3.546	0.00	183.79	-106.1	230	12.56
1439	7.05	14.7	3.529	0.00	164.36	-104.9	230	12.58
1444	7.05	14.8	3.504	0.00	194.95	-104.1	230	12.61
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 ($vol_{cyl} = \pi r^2 h$)

Remarks: RUN FOR 60 MINS BECAUSE IT IS 4-INCH WELL

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

Pine Environmental Services, Inc.

Instrument ID 51295
Description YSI Pro DSS Sonde
Calibrated 9/16/2021 2:19:28PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 21D103488
Location New Jersey
Department

State Certified
Status Pass
Temp °C 26.6
Humidity % 34

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In V...	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.12	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	3.93	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	9.86	10.01	0.10%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	7.30	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	119.30	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.408	1.414	0.07%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	235.60	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

Pine Environmental Services, Inc.

Instrument ID 51295
Description YSI Pro DSS Sonde
Calibrated 9/16/2021 2:19:28PM

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	91.50	99.80	-0.20%	Pass

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
NJ COND 1413: 1GC1036	1413 conductivity standard	AquaPhoenix Scientific	CS1413	1GC1036	5/10/2021	3/31/2022
NJ ORP 240MV: 1GC715	ORP solution 240mv	AquaPhoenix Scientific	OR4240	1GC715	5/10/2021	12/31/2021
NJ PH 4: 1GC758	BUFFER, PH4 RED	AquaPhoenix Scientific	BU5004	1GC758	5/6/2021	3/31/2023
NJ PH 7: 1GC1089	BUFFER, PH7 YELLOW	AquaPhoenix Scientific	BU5007	1GC1089	5/6/2021	3/31/2023
NJ PH10: 1GC436	BUFFER, PH10 BLUE	AquaPhoenix Scientific	BU5010	1GC436	5/6/2021	3/31/2023
NJ TURB 0.0 NTU: 21030147	0.0 NTU STANDARD	GFS	8483	21030147	5/5/2021	3/11/2022
NJ TURB 124 NTU: 21010211	124 NTU STANDARD	GFS	8172	21010211	5/10/2021	1/21/2022

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated William Bass

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

Pine Environmental Services, Inc.

Instrument ID 51293
Description YSI Pro DSS Sonde
Calibrated 9/16/2021 2:22:21PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 21E100011
Location New Jersey
Department

State Certified
Status Pass
Temp °C 26.6
Humidity % 34

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.25	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	3.95	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	9.88	10.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	7.90	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	118.30	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.426	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	231.60	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

Pine Environmental Services, Inc.

Instrument ID 51293
Description YSI Pro DSS Sonde
Calibrated 9/16/2021 2:22:21PM

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	93.50	99.80	-0.20%	Pass

Test Instruments Used During the Calibration (As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
NJ COND 1413: 1GC1036	1413 conductivity standard	AquaPhoenix Scientific	CS1413	1GC1036	5/10/2021	3/31/2022
NJ ORP 240MV: 1GC715	ORP solution 240mv	AquaPhoenix Scientific	OR4240	1GC715	5/10/2021	12/31/2021
NJ PH 4: 1GC758	BUFFER, PH4 RED	AquaPhoenix Scientific	BU5004	1GC758	5/6/2021	3/31/2023
NJ PH 7: 1GC1089	BUFFER, PH7 YELLOW	AquaPhoenix Scientific	BU5007	1GC1089	5/6/2021	3/31/2023
NJ PH10: 1GC436	BUFFER, PH10 BLUE	AquaPhoenix Scientific	BU5010	1GC436	5/6/2021	3/31/2023
NJ TURB 0.0 NTU: 21030147	0.0 NTU STANDARD	GFS	8483	21030147	5/5/2021	3/11/2022
NJ TURB 124 NTU: 21010211	124 NTU STANDARD	GFS	8172	21010211	5/10/2021	1/21/2022

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated William Bass

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

AECOM

Job Carrier - Thompson Rd | Project No. | Page ____ of ____
Description 2021 G.W. Sampling | Computed by TU/RM | Sheet ____ of ____
CALIBRATIONS | Checked by | Date
Reference

9/22/21 @ 0745
YSI PRO DSS

	Standard	Reading	Post	S/N 21E100011 Standard	Reading	Post	S/N 21D103488 Standard	Reading	Post
Cond.	1.413 mS/cm	1.419	—				1.413	1.422	—
ORP	240.0 mV	238.6	—				240.0	242.2	—
Turb.	124.0 NTU	123.8	—				124.0	122.9	—
pH	4	3.95	—				4	4.02	—
	10	10.01	—				10	9.93	—
	7	7.08	—				7	6.94	—

9/23/21 @ 0720

	Stand	Read	Post	S/N 21E100011 Stand	Read	Post	S/N 21D103488 Read	Post
Cond	1.413 mS/cm	1.402	—				1.425	—
ORP	240.0 mV	238.0	—				241.9	—
Turb	124.0 NTU	122.9	—				125.~~24.09~~	—
pH	4	3.94	—				4.09~~9.97~~	—
	10	10.09	—				9.97	—
	7	7.10	—				7.01	—

9/24/21 @ 0725

	Stan	Read	Post	S/N 21E10011 Stan	Read	Post	S/N 21D103488 Read.	Post
Cond	1.413 mS/cm	1.422	—				1.401	—
ORP	240.0 mV	234.7	—				240.9	—
Turb	124.0 NTU	122.5	—				123.7	—
pH	4	3.90	—				4.07	—
	7	6.94	—				7.07	—
	10	9.90	—				10.02	—

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 2021

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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 21-24, 2021 sampling of 34 groundwater (GW) samples, 4 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 'R' (rejected), '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. All samples were analyzed within the required holding times unless noted below. Some of the samples in lab SDG JD32169 were analyzed outside of the HT as follows: MW-69 and MW-84 (all VOCs); FD-092121 (MW-03S) and MW-09 (cis-1,2-dichloroethene only).

V. NON-CONFORMANCES

- **Instrument Calibration**

  The relative response factors (RRF) for 2-butanone and/or acetone in the VOC initial calibrations (ICAL) and/or continuing calibration standards (CCAL) were less than the QC limit of 0.100. The non-detect results for these compounds in the associated samples, as listed on the instrument performance check forms, were qualified 'R'.

  The percent difference (%D) between the ICAL average RRF and the RRF in one or more of the CCALs associated with the GW and field QC samples exceeded the QC limit of 20% for one or

more of the following VOCs: 1,2-dibromo-3-chloropropane, 2-hexanone, 4-methyl-2-pentanone, acetone, carbon tetrachloride, methyl acetate, 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.

- **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-092121	---
MW-19	FD-092221	---
MW-77	FD-092321	---
MW-79	FD-092421	---

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'.

The TIC "system artifact" was crossed off in the VOC samples.

VII. SUMMARY

All sample analyses were found to be compliant with the method and validation criteria, except where previously noted. Those results qualified 'R' are considered unusable. 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 **Date:** 11/4/21

Reviewed By: Peter R. Fairbanks, Senior Chemist **Date:** 11/4/21

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 SAMPLE 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-092121
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/23/21	09/23/21	09/23/21	09/21/21	09/21/21
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	17.2
1,1-Dichloroethene	UG/L	1 U	1 U	1 U	1 U	4.4
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	49.4	1 U	7.6	581 DJ
1,2-Dichloroethene (trans)	UG/L	1 U	1 U	1 U	1 U	0.99 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	R	R	R	10 U	10 UJ
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.

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TABLE 1
VALIDATED GROUNDWATER SAMPLE 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-092121
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/23/21	09/23/21	09/23/21	09/21/21	09/21/21
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 U	2 U	2 U	2 U	2 U
Carbon tetrachloride	UG/L	1 U	1 U	1 U	1 U	1 UJ
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 UJ	5 UJ	5 UJ	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.

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TABLE 1
VALIDATED GROUNDWATER SAMPLE 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-092121
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/23/21	09/23/21	09/23/21	09/21/21	09/21/21
Parameter	Units					Field Duplicate (1-1)
Volatile Organic Compounds						
Trichloroethene	UG/L	1 U	4.0	1 U	1 U	1.3
Trichlorofluoromethane	UG/L	2 U	2 U	2 U	2 U	2 U
Vinyl chloride	UG/L	1 U	1.7	1 U	1 U	35.7
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	1.1 U	1 U	0.90 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.

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TABLE 1
VALIDATED GROUNDWATER SAMPLE 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-092121
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/23/21	09/23/21	09/23/21	09/21/21	09/21/21
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.

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Detection Limits shown are PQL

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TABLE 1
VALIDATED GROUNDWATER SAMPLE 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		09/21/21	09/21/21	09/22/21	09/24/21	09/24/21
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	1 U	1 U	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	20.9	1 U	1 U	1 U	NA
1,1-Dichloroethene	UG/L	4.8	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	703 D	1 UJ	1 U	1 U	NA
1,2-Dichloroethene (trans)	UG/L	1.5	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 UJ	10 U	10 U	NA
Benzene	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	NA

Flags assigned during chemistry validation are shown.

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TABLE 1
VALIDATED GROUNDWATER SAMPLE 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		09/21/21	09/21/21	09/22/21	09/24/21	09/24/21
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 U	2 U	2 U	2 U	NA
Carbon disulfide	UG/L	2 U	2 U	2 U	2 U	NA
Carbon tetrachloride	UG/L	1 U	1 UJ	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 U	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 U	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	R	R	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.

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Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER SAMPLE 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		09/21/21	09/21/21	09/22/21	09/24/21	09/24/21
Parameter	Units					
Volatile Organic Compounds						
Trichloroethene	UG/L	1.6	2.6	1 U	1 U	NA
Trichlorofluoromethane	UG/L	2 U	2 U	2 U	2 U	NA
Vinyl chloride	UG/L	38.6	1 U	1 U	1 U	NA
Xylene (total)	UG/L	1 U	1 U	1 U	1 U	NA
Semivolatile Organic Compounds						
1,4-Dioxane	UG/L	1 U	NA	1 U	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.

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Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER SAMPLE 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		09/21/21	09/21/21	09/22/21	09/24/21	09/24/21
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

Advanced Selection: amk-temp
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[LOGDATE] > #9/1/2021# AND [LOCID] <> 'FIELDQC'

TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-17	MW-18	MW-19	MW-19	MW-19
Sample ID		MW-17	MW-18	FD-092221	MW-19	FD-092221-F
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/22/21	09/23/21	09/22/21	09/22/21	09/22/21
Parameter	Units			Field Duplicate (1-1)		Field Duplicate (1-1)
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	1 U	1 U	NA	1 U	NA
1,1,2,2-Tetrachloroethane	UG/L	1 U	1 U	NA	1 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5 U	5 U	NA	5 U	NA
1,1,2-Trichloroethane	UG/L	1 U	1 U	NA	1 U	NA
1,1-Dichloroethane	UG/L	1 U	28.1	NA	1 U	NA
1,1-Dichloroethene	UG/L	1 U	20.1	NA	1 U	NA
1,2,3-Trichlorobenzene	UG/L	1 U	1 U	NA	1 U	NA
1,2,4-Trichlorobenzene	UG/L	1 U	1 U	NA	1 U	NA
1,2-Dibromo-3-chloropropane	UG/L	2 U	2 U	NA	2 U	NA
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1 U	1 U	NA	1 U	NA
1,2-Dichlorobenzene	UG/L	1 U	1 U	NA	1 U	NA
1,2-Dichloroethane	UG/L	1 U	1 U	NA	1 U	NA
1,2-Dichloroethene (cis)	UG/L	1 U	3,160 D	NA	2.8	NA
1,2-Dichloroethene (trans)	UG/L	1 U	32.3	NA	1 U	NA
1,2-Dichloropropane	UG/L	1 U	1 U	NA	1 U	NA
1,3-Dichlorobenzene	UG/L	1 U	1 U	NA	1 U	NA
1,3-Dichloropropene (cis)	UG/L	1 U	1 U	NA	1 U	NA
1,3-Dichloropropene (trans)	UG/L	1 U	1 U	NA	1 U	NA
1,4-Dichlorobenzene	UG/L	1 U	1 U	NA	1 U	NA
2-Hexanone	UG/L	5 U	5 U	NA	5 U	NA
4-Methyl-2-pentanone	UG/L	5 U	5 U	NA	5 U	NA
Acetone	UG/L	10 U	R	NA	10 U	NA
Benzene	UG/L	0.5 U	0.5 U	NA	0.5 U	NA

Flags assigned during chemistry validation are shown.

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TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-17	MW-18	MW-19	MW-19	MW-19
Sample ID		MW-17	MW-18	FD-092221	MW-19	FD-092221-F
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/22/21	09/23/21	09/22/21	09/22/21	09/22/21
Parameter	Units			Field Duplicate (1-1)		Field Duplicate (1-1)
Volatile Organic Compounds						
Bromochloromethane	UG/L	1 U	1 U	NA	1 U	NA
Bromodichloromethane	UG/L	1 U	1 U	NA	1 U	NA
Bromoform	UG/L	1 U	1 U	NA	1 U	NA
Bromomethane	UG/L	2 U	2 U	NA	2 U	NA
Carbon disulfide	UG/L	2 U	2 U	NA	2 U	NA
Carbon tetrachloride	UG/L	1 U	1 U	NA	1 U	NA
Chlorobenzene	UG/L	1 U	1 U	NA	1 U	NA
Chloroethane	UG/L	1 U	1 U	NA	1 U	NA
Chloroform	UG/L	1 U	1 U	NA	1 U	NA
Chloromethane	UG/L	1 U	1 U	NA	1 U	NA
Cyclohexane	UG/L	5 U	5 U	NA	5 U	NA
Dibromochloromethane	UG/L	1 U	1 U	NA	1 U	NA
Dichlorodifluoromethane	UG/L	2 U	2 U	NA	2 U	NA
Ethylbenzene	UG/L	1 U	1 U	NA	1 U	NA
Isopropylbenzene (Cumene)	UG/L	1 U	1 U	NA	1 U	NA
Methyl acetate	UG/L	5 U	5 U	NA	5 U	NA
Methyl ethyl ketone (2-Butanone)	UG/L	R	10 U	NA	R	NA
Methyl tert-butyl ether	UG/L	1 U	1 U	NA	1 U	NA
Methylcyclohexane	UG/L	5 U	5 U	NA	5 U	NA
Methylene chloride	UG/L	2 U	2 U	NA	2 U	NA
Styrene	UG/L	1 U	1 U	NA	1 U	NA
Tetrachloroethene	UG/L	1 U	1 U	NA	1 U	NA
Toluene	UG/L	1 U	1 U	NA	1 U	NA

Flags assigned during chemistry validation are shown.

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TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-17	MW-18	MW-19	MW-19	MW-19
Sample ID		MW-17	MW-18	FD-092221	MW-19	FD-092221-F
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/22/21	09/23/21	09/22/21	09/22/21	09/22/21
Parameter	Units			Field Duplicate (1-1)		Field Duplicate (1-1)
Volatile Organic Compounds						
Trichloroethene	UG/L	1 U	441 D	NA	1.1	NA
Trichlorofluoromethane	UG/L	2 U	2 U	NA	2 U	NA
Vinyl chloride	UG/L	1 U	781 DJ	NA	1 U	NA
Xylene (total)	UG/L	1 U	1 U	NA	1 U	NA
Semivolatile Organic Compounds						
1,4-Dioxane	UG/L	1 U	NA	NA	NA	NA
Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	NA	0.33 U	0.33 U	NA
Aroclor 1221	UG/L	NA	NA	0.33 U	0.33 U	NA
Aroclor 1232	UG/L	NA	NA	0.33 U	0.33 U	NA
Aroclor 1242	UG/L	NA	NA	0.33 U	0.33 U	NA
Aroclor 1248	UG/L	NA	NA	0.33 U	0.33 U	NA
Aroclor 1254	UG/L	NA	NA	0.33 U	0.33 U	NA
Aroclor 1260	UG/L	NA	NA	0.33 U	0.33 U	NA
Aroclor 1262	UG/L	NA	NA	0.33 U	0.33 U	NA
Aroclor 1268	UG/L	NA	NA	0.33 U	0.33 U	NA
Dissolved Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	NA	NA	NA	0.33 U
Aroclor 1221	UG/L	NA	NA	NA	NA	0.33 U
Aroclor 1232	UG/L	NA	NA	NA	NA	0.33 U
Aroclor 1242	UG/L	NA	NA	NA	NA	0.33 U
Aroclor 1248	UG/L	NA	NA	NA	NA	0.33 U
Aroclor 1254	UG/L	NA	NA	NA	NA	0.33 U

Flags assigned during chemistry validation are shown.

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TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-17	MW-18	MW-19	MW-19	MW-19
Sample ID		MW-17	MW-18	FD-092221	MW-19	FD-092221-F
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/22/21	09/23/21	09/22/21	09/22/21	09/22/21
Parameter	Units			Field Duplicate (1-1)		Field Duplicate (1-1)
Dissolved Polychlorinated Biphenyls						
Aroclor 1260	UG/L	NA	NA	NA	NA	0.33 U
Aroclor 1262	UG/L	NA	NA	NA	NA	0.33 U
Aroclor 1268	UG/L	NA	NA	NA	NA	0.33 U

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TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-19	MW-21	MW-23	MW-23	MW-26
Sample ID		MW-19-F	MW-21	MW-23	MW-23-F	MW-26
Matrix		Water Quality	Groundwater	Groundwater	Water Quality	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/22/21	09/22/21	09/22/21	09/22/21	09/22/21
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	NA	1 U	51.9	NA	1 U
1,1,2,2-Tetrachloroethane	UG/L	NA	1 U	5 U	NA	1 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	NA	5 U	25 U	NA	5 U
1,1,2-Trichloroethane	UG/L	NA	1 U	5 U	NA	1 U
1,1-Dichloroethane	UG/L	NA	1 U	142	NA	1 U
1,1-Dichloroethene	UG/L	NA	1 U	12.9	NA	1 U
1,2,3-Trichlorobenzene	UG/L	NA	1 U	5 U	NA	1 U
1,2,4-Trichlorobenzene	UG/L	NA	1 U	5 U	NA	1 U
1,2-Dibromo-3-chloropropane	UG/L	NA	2 U	10 U	NA	2 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	NA	1 U	5 U	NA	1 U
1,2-Dichlorobenzene	UG/L	NA	1 U	5 U	NA	1 U
1,2-Dichloroethane	UG/L	NA	1 U	5 U	NA	1 U
1,2-Dichloroethene (cis)	UG/L	NA	1.6	1,440 D	NA	1 U
1,2-Dichloroethene (trans)	UG/L	NA	1 U	11.7	NA	1 U
1,2-Dichloropropane	UG/L	NA	1 U	5 U	NA	1 U
1,3-Dichlorobenzene	UG/L	NA	1 U	5 U	NA	1 U
1,3-Dichloropropene (cis)	UG/L	NA	1 U	5 U	NA	1 U
1,3-Dichloropropene (trans)	UG/L	NA	1 U	5 U	NA	1 U
1,4-Dichlorobenzene	UG/L	NA	1 U	5 U	NA	1 U
2-Hexanone	UG/L	NA	5 U	25 U	NA	5 U
4-Methyl-2-pentanone	UG/L	NA	5 U	25 U	NA	5 U
Acetone	UG/L	NA	10 U	50 U	NA	10 U
Benzene	UG/L	NA	0.5 U	2.5 U	NA	0.5 U

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TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-19	MW-21	MW-23	MW-23	MW-26
Sample ID		MW-19-F	MW-21	MW-23	MW-23-F	MW-26
Matrix		Water Quality	Groundwater	Groundwater	Water Quality	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/22/21	09/22/21	09/22/21	09/22/21	09/22/21
Parameter	Units					
Volatile Organic Compounds						
Bromochloromethane	UG/L	NA	1 U	5 U	NA	1 U
Bromodichloromethane	UG/L	NA	1 U	5 U	NA	1 U
Bromoform	UG/L	NA	1 U	5 U	NA	1 U
Bromomethane	UG/L	NA	2 U	10 U	NA	2 U
Carbon disulfide	UG/L	NA	2 U	10 U	NA	2 U
Carbon tetrachloride	UG/L	NA	1 U	5 U	NA	1 U
Chlorobenzene	UG/L	NA	1 U	5 U	NA	1 U
Chloroethane	UG/L	NA	1 U	5 U	NA	1 U
Chloroform	UG/L	NA	1 U	5 U	NA	1 U
Chloromethane	UG/L	NA	1 U	5 U	NA	1 U
Cyclohexane	UG/L	NA	5 U	25 U	NA	5 U
Dibromochloromethane	UG/L	NA	1 U	5 U	NA	1 U
Dichlorodifluoromethane	UG/L	NA	2 U	10 U	NA	2 U
Ethylbenzene	UG/L	NA	1 U	12.8	NA	1 U
Isopropylbenzene (Cumene)	UG/L	NA	1 U	5 U	NA	1 U
Methyl acetate	UG/L	NA	5 U	25 U	NA	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	NA	R	R	NA	R
Methyl tert-butyl ether	UG/L	NA	1 U	5 U	NA	1 U
Methylcyclohexane	UG/L	NA	5 U	25 U	NA	5 U
Methylene chloride	UG/L	NA	2 U	10 U	NA	2 U
Styrene	UG/L	NA	1 U	5 U	NA	1 U
Tetrachloroethene	UG/L	NA	1 U	5 U	NA	1 U
Toluene	UG/L	NA	1 U	5 U	NA	1 U

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TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-19	MW-21	MW-23	MW-23	MW-26
Sample ID		MW-19-F	MW-21	MW-23	MW-23-F	MW-26
Matrix		Water Quality	Groundwater	Groundwater	Water Quality	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/22/21	09/22/21	09/22/21	09/22/21	09/22/21
Parameter	Units					
Volatile Organic Compounds						
Trichloroethene	UG/L	NA	1.9	182	NA	1.4
Trichlorofluoromethane	UG/L	NA	2 U	10 U	NA	2 U
Vinyl chloride	UG/L	NA	1 U	53.9	NA	1 U
Xylene (total)	UG/L	NA	1 U	5 U	NA	1 U
Semivolatile Organic Compounds						
1,4-Dioxane	UG/L	NA	NA	NA	NA	NA
Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	NA	0.34 U	NA	0.34 U
Aroclor 1221	UG/L	NA	NA	0.34 U	NA	0.34 U
Aroclor 1232	UG/L	NA	NA	0.34 U	NA	0.34 U
Aroclor 1242	UG/L	NA	NA	0.34 U	NA	0.34 U
Aroclor 1248	UG/L	NA	NA	0.34 U	NA	0.34 U
Aroclor 1254	UG/L	NA	NA	0.34 U	NA	0.34 U
Aroclor 1260	UG/L	NA	NA	0.34 U	NA	0.34 U
Aroclor 1262	UG/L	NA	NA	0.34 U	NA	0.34 U
Aroclor 1268	UG/L	NA	NA	0.34 U	NA	0.34 U
Dissolved Polychlorinated Biphenyls						
Aroclor 1016	UG/L	0.33 U	NA	NA	0.36 U	NA
Aroclor 1221	UG/L	0.33 U	NA	NA	0.36 U	NA
Aroclor 1232	UG/L	0.33 U	NA	NA	0.36 U	NA
Aroclor 1242	UG/L	0.33 U	NA	NA	0.36 U	NA
Aroclor 1248	UG/L	0.33 U	NA	NA	0.36 U	NA
Aroclor 1254	UG/L	0.33 U	NA	NA	0.36 U	NA

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TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-19	MW-21	MW-23	MW-23	MW-26
Sample ID		MW-19-F	MW-21	MW-23	MW-23-F	MW-26
Matrix		Water Quality	Groundwater	Groundwater	Water Quality	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/22/21	09/22/21	09/22/21	09/22/21	09/22/21
Parameter	Units					
Dissolved Polychlorinated Biphenyls						
Aroclor 1260	UG/L	0.33 U	NA	NA	0.36 U	NA
Aroclor 1262	UG/L	0.33 U	NA	NA	0.36 U	NA
Aroclor 1268	UG/L	0.33 U	NA	NA	0.36 U	NA

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TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-26	MW-38	MW-38	MW-44	MW-44
Sample ID		MW-26-F	MW-38	MW-38-F	MW-44	MW-44-F
Matrix		Water Quality	Groundwater	Water Quality	Groundwater	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/22/21	09/22/21	09/22/21	09/23/21	09/23/21
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	NA	1 U	NA	0.70 J	NA
1,1,2,2-Tetrachloroethane	UG/L	NA	1 U	NA	1 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	NA	5 U	NA	5 U	NA
1,1,2-Trichloroethane	UG/L	NA	1 U	NA	1 U	NA
1,1-Dichloroethane	UG/L	NA	1 U	NA	0.65 J	NA
1,1-Dichloroethene	UG/L	NA	1 U	NA	1 U	NA
1,2,3-Trichlorobenzene	UG/L	NA	1 U	NA	1 U	NA
1,2,4-Trichlorobenzene	UG/L	NA	1 U	NA	1 U	NA
1,2-Dibromo-3-chloropropane	UG/L	NA	2 U	NA	2 U	NA
1,2-Dibromoethane (Ethylene dibromide)	UG/L	NA	1 U	NA	1 U	NA
1,2-Dichlorobenzene	UG/L	NA	1 U	NA	1 U	NA
1,2-Dichloroethane	UG/L	NA	1 U	NA	1 U	NA
1,2-Dichloroethene (cis)	UG/L	NA	0.59 J	NA	0.81 J	NA
1,2-Dichloroethene (trans)	UG/L	NA	1 U	NA	0.61 J	NA
1,2-Dichloropropane	UG/L	NA	1 U	NA	1 U	NA
1,3-Dichlorobenzene	UG/L	NA	1 U	NA	1 U	NA
1,3-Dichloropropene (cis)	UG/L	NA	1 U	NA	1 U	NA
1,3-Dichloropropene (trans)	UG/L	NA	1 U	NA	1 U	NA
1,4-Dichlorobenzene	UG/L	NA	1 U	NA	1 U	NA
2-Hexanone	UG/L	NA	5 U	NA	5 U	NA
4-Methyl-2-pentanone	UG/L	NA	5 U	NA	5 U	NA
Acetone	UG/L	NA	10 U	NA	R	NA
Benzene	UG/L	NA	0.5 U	NA	0.5 U	NA

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TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-26	MW-38	MW-38	MW-44	MW-44
Sample ID		MW-26-F	MW-38	MW-38-F	MW-44	MW-44-F
Matrix		Water Quality	Groundwater	Water Quality	Groundwater	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/22/21	09/22/21	09/22/21	09/23/21	09/23/21
Parameter	Units					
Volatile Organic Compounds						
Bromochloromethane	UG/L	NA	1 U	NA	1 U	NA
Bromodichloromethane	UG/L	NA	1 U	NA	1 U	NA
Bromoform	UG/L	NA	1 U	NA	1 U	NA
Bromomethane	UG/L	NA	2 U	NA	2 U	NA
Carbon disulfide	UG/L	NA	2 U	NA	2 U	NA
Carbon tetrachloride	UG/L	NA	1 U	NA	1 U	NA
Chlorobenzene	UG/L	NA	1 U	NA	1 U	NA
Chloroethane	UG/L	NA	1 U	NA	1 U	NA
Chloroform	UG/L	NA	1 U	NA	1 U	NA
Chloromethane	UG/L	NA	1 U	NA	1 U	NA
Cyclohexane	UG/L	NA	5 U	NA	5 U	NA
Dibromochloromethane	UG/L	NA	1 U	NA	1 U	NA
Dichlorodifluoromethane	UG/L	NA	2 U	NA	2 U	NA
Ethylbenzene	UG/L	NA	1 U	NA	1 U	NA
Isopropylbenzene (Cumene)	UG/L	NA	1 U	NA	1 U	NA
Methyl acetate	UG/L	NA	5 U	NA	5 UJ	NA
Methyl ethyl ketone (2-Butanone)	UG/L	NA	R	NA	10 U	NA
Methyl tert-butyl ether	UG/L	NA	1 U	NA	1 U	NA
Methylcyclohexane	UG/L	NA	5 U	NA	5 U	NA
Methylene chloride	UG/L	NA	2 U	NA	2 U	NA
Styrene	UG/L	NA	1 U	NA	1 U	NA
Tetrachloroethene	UG/L	NA	1 U	NA	1 U	NA
Toluene	UG/L	NA	1 U	NA	1 U	NA

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Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-26	MW-38	MW-38	MW-44	MW-44
Sample ID		MW-26-F	MW-38	MW-38-F	MW-44	MW-44-F
Matrix		Water Quality	Groundwater	Water Quality	Groundwater	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/22/21	09/22/21	09/22/21	09/23/21	09/23/21
Parameter	**Units**					
Volatile Organic Compounds						
Trichloroethene	UG/L	NA	8.1	NA	5.2	NA
Trichlorofluoromethane	UG/L	NA	4.1	NA	2 U	NA
Vinyl chloride	UG/L	NA	1 U	NA	1 U	NA
Xylene (total)	UG/L	NA	1 U	NA	1 U	NA
Semivolatile Organic Compounds						
1,4-Dioxane	UG/L	NA	NA	NA	NA	NA
Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	0.33 U	NA	0.33 U	NA
Aroclor 1221	UG/L	NA	0.33 U	NA	0.33 U	NA
Aroclor 1232	UG/L	NA	0.33 U	NA	0.33 U	NA
Aroclor 1242	UG/L	NA	0.33 U	NA	0.33 U	NA
Aroclor 1248	UG/L	NA	0.33 U	NA	0.33 U	NA
Aroclor 1254	UG/L	NA	0.33 U	NA	0.33 U	NA
Aroclor 1260	UG/L	NA	0.33 U	NA	0.33 U	NA
Aroclor 1262	UG/L	NA	0.33 U	NA	0.33 U	NA
Aroclor 1268	UG/L	NA	0.33 U	NA	0.33 U	NA
Dissolved Polychlorinated Biphenyls						
Aroclor 1016	UG/L	0.33 U	NA	0.34 U	NA	0.33 U
Aroclor 1221	UG/L	0.33 U	NA	0.34 U	NA	0.33 U
Aroclor 1232	UG/L	0.33 U	NA	0.34 U	NA	0.33 U
Aroclor 1242	UG/L	0.33 U	NA	0.34 U	NA	0.33 U
Aroclor 1248	UG/L	0.33 U	NA	0.34 U	NA	0.33 U
Aroclor 1254	UG/L	0.33 U	NA	0.34 U	NA	0.33 U

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/3/21
CHECKED BY: PRF 11/4/21

Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-26	MW-38	MW-38	MW-44	MW-44
Sample ID		MW-26-F	MW-38	MW-38-F	MW-44	MW-44-F
Matrix		Water Quality	Groundwater	Water Quality	Groundwater	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/22/21	09/22/21	09/22/21	09/23/21	09/23/21
Parameter	Units					
Dissolved Polychlorinated Biphenyls						
Aroclor 1260	UG/L	0.33 U	NA	0.34 U	NA	0.33 U
Aroclor 1262	UG/L	0.33 U	NA	0.34 U	NA	0.33 U
Aroclor 1268	UG/L	0.33 U	NA	0.34 U	NA	0.33 U

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/3/21
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Detection Limits shown are PQL

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TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-45	MW-48	MW-50	MW-57	MW-58
Sample ID		MW-45	MW-48	MW-50	MW-57	MW-58
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/23/21	09/23/21	09/23/21	09/23/21	09/24/21
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 U	2.0	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 UJ	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	11.5	7.4	1 U	93.5	39.8
1,2-Dichloroethene (trans)	UG/L	2.3	1 U	1 U	0.75 J	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 UJ	5 U
4-Methyl-2-pentanone	UG/L	5 U	5 U	5 U	5 UJ	5 U
Acetone	UG/L	R	R	R	10 UJ	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 11/3/21
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Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-45	MW-48	MW-50	MW-57	MW-58
Sample ID		MW-45	MW-48	MW-50	MW-57	MW-58
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/23/21	09/23/21	09/23/21	09/23/21	09/24/21
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 U	2 U	2 U	2 U	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 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 UJ	5 U	5 UJ	5 UJ	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	10 U	10 U	10 U	R	R
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.

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Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-45	MW-48	MW-50	MW-57	MW-58
Sample ID		MW-45	MW-48	MW-50	MW-57	MW-58
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/23/21	09/23/21	09/23/21	09/23/21	09/24/21
Parameter	**Units**					
Volatile Organic Compounds						
Trichloroethene	UG/L	109	12.3	1 U	1.4	17.7
Trichlorofluoromethane	UG/L	2 U	2 U	2 U	2 U	2 U
Vinyl chloride	UG/L	1.2	1 U	1 U	324 D	2.0
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.

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Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-45	MW-48	MW-50	MW-57	MW-58
Sample ID		MW-45	MW-48	MW-50	MW-57	MW-58
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/23/21	09/23/21	09/23/21	09/23/21	09/24/21
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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TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-66	MW-69	MW-70	MW-71	MW-75
Sample ID		MW-66	MW-69	MW-70	MW-71	MW-75
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/24/21	09/21/21	09/22/21	09/22/21	09/21/21
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	1 U	1 UJ	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	UG/L	1 U	1 UJ	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5 U	5 UJ	5 U	5 U	5 U
1,1,2-Trichloroethane	UG/L	1 U	1 UJ	1 U	1 U	1 U
1,1-Dichloroethane	UG/L	0.76 J	24.4 J	1 U	1 U	1 U
1,1-Dichloroethene	UG/L	0.65 J	7.1 J	1 U	0.60 J	1 U
1,2,3-Trichlorobenzene	UG/L	1 U	1 UJ	1 U	1 U	1 U
1,2,4-Trichlorobenzene	UG/L	1 U	1 UJ	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	UG/L	2 U	2 UJ	2 U	2 U	2 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1 U	1 UJ	1 U	1 U	1 U
1,2-Dichlorobenzene	UG/L	1 U	1 UJ	1 U	1 U	1 U
1,2-Dichloroethane	UG/L	1 U	1 UJ	1 U	1 U	1 U
1,2-Dichloroethene (cis)	UG/L	198	254 DJ	1 U	45.6	1 U
1,2-Dichloroethene (trans)	UG/L	1.6	8.9 J	1 U	3.2	1 U
1,2-Dichloropropane	UG/L	1 U	1 UJ	1 U	1 U	1 U
1,3-Dichlorobenzene	UG/L	1 U	1 UJ	1 U	1 U	1 U
1,3-Dichloropropene (cis)	UG/L	1 U	1 UJ	1 U	1 U	1 U
1,3-Dichloropropene (trans)	UG/L	1 U	1 UJ	1 U	1 U	1 U
1,4-Dichlorobenzene	UG/L	1 U	1 UJ	1 U	1 U	1 U
2-Hexanone	UG/L	5 U	5 UJ	5 U	5 U	5 U
4-Methyl-2-pentanone	UG/L	5 U	5 UJ	5 U	5 U	5 U
Acetone	UG/L	10 U	10 UJ	10 U	10 U	10 U
Benzene	UG/L	0.5 U	0.56 J	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

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TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-66	MW-69	MW-70	MW-71	MW-75
Sample ID		MW-66	MW-69	MW-70	MW-71	MW-75
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/24/21	09/21/21	09/22/21	09/22/21	09/21/21
Parameter	Units					
Volatile Organic Compounds						
Bromochloromethane	UG/L	1 U	1 UJ	1 U	1 U	1 U
Bromodichloromethane	UG/L	1 U	1 UJ	1 U	1 U	1 U
Bromoform	UG/L	1 U	1 UJ	1 U	1 U	1 U
Bromomethane	UG/L	2 U	2 UJ	2 U	2 U	2 U
Carbon disulfide	UG/L	2 U	2 UJ	2 U	2 U	2 U
Carbon tetrachloride	UG/L	1 U	1 UJ	1 U	1 U	1 U
Chlorobenzene	UG/L	1 U	1 UJ	1 U	1 U	1 U
Chloroethane	UG/L	1 U	1 UJ	1 U	1 U	1 U
Chloroform	UG/L	1 U	1 UJ	1 U	1 U	1 U
Chloromethane	UG/L	1 U	1 UJ	1 U	1 U	1 U
Cyclohexane	UG/L	5 U	5 UJ	5 U	5 U	5 U
Dibromochloromethane	UG/L	1 U	1 UJ	1 U	1 U	1 U
Dichlorodifluoromethane	UG/L	2 U	2 UJ	2 U	2 U	2 U
Ethylbenzene	UG/L	1 U	1 UJ	1 U	1 U	1 U
Isopropylbenzene (Cumene)	UG/L	1 U	1 UJ	1 U	1 U	1 U
Methyl acetate	UG/L	5 U	5 UJ	5 U	5 U	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	R	R	R	R	10 U
Methyl tert-butyl ether	UG/L	1 U	1 UJ	1 U	1 U	1 U
Methylcyclohexane	UG/L	5 U	5 UJ	5 U	5 U	5 U
Methylene chloride	UG/L	2 U	2 UJ	2 U	2 U	2 U
Styrene	UG/L	1 U	1 UJ	1 U	1 U	1 U
Tetrachloroethene	UG/L	1 U	3.6 J	1 U	1 U	1 U
Toluene	UG/L	1 U	1 UJ	1 U	1 U	1 U

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-66	MW-69	MW-70	MW-71	MW-75
Sample ID		MW-66	MW-69	MW-70	MW-71	MW-75
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/24/21	09/21/21	09/22/21	09/22/21	09/21/21
Parameter	**Units**					
Volatile Organic Compounds						
Trichloroethene	UG/L	11.6	1,250 DJ	1 U	84.5	1 U
Trichlorofluoromethane	UG/L	2 U	2 UJ	2 U	0.71 J	2 U
Vinyl chloride	UG/L	3.4	38.7 J	1 U	8.0	1 U
Xylene (total)	UG/L	1 U	1 UJ	1 U	1 U	1 U
Semivolatile Organic Compounds						
1,4-Dioxane	UG/L	NA	NA	1.5	2.1	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 SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-66	MW-69	MW-70	MW-71	MW-75
Sample ID		MW-66	MW-69	MW-70	MW-71	MW-75
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/24/21	09/21/21	09/22/21	09/22/21	09/21/21
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 11/3/21
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Detection Limits shown are PQL

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TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-76	MW-77	MW-77	MW-79	MW-79
Sample ID		MW-76	FD-092321	MW-77	FD-092421	MW-79
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/23/21	09/23/21	09/23/21	09/24/21	09/24/21
Parameter	Units		Field Duplicate (1-1)		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	R	R	R	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.

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TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-76	MW-77	MW-77	MW-79	MW-79
Sample ID		MW-76	FD-092321	MW-77	FD-092421	MW-79
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/23/21	09/23/21	09/23/21	09/24/21	09/24/21
Parameter	Units		Field Duplicate (1-1)		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 U	2 U	2 U	2 U	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 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 UJ	5 UJ	5 UJ	5 U	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	10 U	10 U	10 U	R	R
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

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TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-76	MW-77	MW-77	MW-79	MW-79
Sample ID		MW-76	FD-092321	MW-77	FD-092421	MW-79
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/23/21	09/23/21	09/23/21	09/24/21	09/24/21
Parameter	Units		Field Duplicate (1-1)		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 U	1 U	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.

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TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-76	MW-77	MW-77	MW-79	MW-79
Sample ID		MW-76	FD-092321	MW-77	FD-092421	MW-79
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/23/21	09/23/21	09/23/21	09/24/21	09/24/21
Parameter	Units		Field Duplicate (1-1)		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.

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TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-84	MW-85	TR3-MW-02	TR3-PW-01
Sample ID		MW-84	MW-85	TR3-MW-02	TR3-PW-01
Matrix		Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-
Date Sampled		09/21/21	09/22/21	09/24/21	09/23/21
Parameter	Units				
Volatile Organic Compounds					
1,1,1-Trichloroethane	UG/L	1 UJ	1 U	1 U	250 U
1,1,2,2-Tetrachloroethane	UG/L	1 UJ	1 U	1 U	250 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5 UJ	5 U	5 U	1,300 U
1,1,2-Trichloroethane	UG/L	1 UJ	1 U	1 U	250 U
1,1-Dichloroethane	UG/L	1 UJ	1 U	1 U	250 U
1,1-Dichloroethene	UG/L	1 UJ	1 U	1 U	250 U
1,2,3-Trichlorobenzene	UG/L	1 UJ	1 U	1 U	250 U
1,2,4-Trichlorobenzene	UG/L	1 UJ	1 U	1 U	250 U
1,2-Dibromo-3-chloropropane	UG/L	2 UJ	2 U	2 U	500 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1 UJ	1 U	1 U	250 U
1,2-Dichlorobenzene	UG/L	1 UJ	1 U	1 U	250 U
1,2-Dichloroethane	UG/L	1 UJ	1 U	1 U	250 U
1,2-Dichloroethene (cis)	UG/L	1 UJ	1 U	1 U	7,940
1,2-Dichloroethene (trans)	UG/L	1 UJ	1 U	1 U	250 U
1,2-Dichloropropane	UG/L	1 UJ	1 U	1 U	250 U
1,3-Dichlorobenzene	UG/L	1 UJ	1 U	1 U	250 U
1,3-Dichloropropene (cis)	UG/L	1 UJ	1 U	1 U	250 U
1,3-Dichloropropene (trans)	UG/L	1 UJ	1 U	1 U	250 U
1,4-Dichlorobenzene	UG/L	1 UJ	1 U	1 U	250 U
2-Hexanone	UG/L	5 UJ	5 U	5 U	1,300 U
4-Methyl-2-pentanone	UG/L	5 UJ	5 U	5 U	1,300 U
Acetone	UG/L	10 UJ	10 U	10 U	R
Benzene	UG/L	0.5 UJ	0.5 U	0.5 U	130 U

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TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-84	MW-85	TR3-MW-02	TR3-PW-01
Sample ID		MW-84	MW-85	TR3-MW-02	TR3-PW-01
Matrix		Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-
Date Sampled		09/21/21	09/22/21	09/24/21	09/23/21
Parameter	Units				
Volatile Organic Compounds					
Bromochloromethane	UG/L	1 UJ	1 U	1 U	250 U
Bromodichloromethane	UG/L	1 UJ	1 U	1 U	250 U
Bromoform	UG/L	1 UJ	1 U	1 U	250 U
Bromomethane	UG/L	2 UJ	2 U	2 U	500 U
Carbon disulfide	UG/L	2 UJ	2 U	2 U	500 U
Carbon tetrachloride	UG/L	1 UJ	1 U	1 U	250 U
Chlorobenzene	UG/L	1 UJ	1 U	1 U	250 U
Chloroethane	UG/L	1 UJ	1 U	1 U	250 U
Chloroform	UG/L	1 UJ	1 U	1 U	236 J
Chloromethane	UG/L	1 UJ	1 U	1 U	250 U
Cyclohexane	UG/L	5 UJ	5 U	5 U	1,300 U
Dibromochloromethane	UG/L	1 UJ	1 U	1 U	250 U
Dichlorodifluoromethane	UG/L	2 UJ	2 U	2 U	500 U
Ethylbenzene	UG/L	1 UJ	1 U	1 U	250 U
Isopropylbenzene (Cumene)	UG/L	1 UJ	1 U	1 U	250 U
Methyl acetate	UG/L	5 UJ	5 U	5 U	1,300 UJ
Methyl ethyl ketone (2-Butanone)	UG/L	R	R	R	2,500 U
Methyl tert-butyl ether	UG/L	1 UJ	1 U	1 U	250 U
Methylcyclohexane	UG/L	5 UJ	5 U	5 U	1,300 U
Methylene chloride	UG/L	2 UJ	2 U	2 U	500 U
Styrene	UG/L	1 UJ	1 U	1 U	250 U
Tetrachloroethene	UG/L	3.5 J	1 U	1 U	250 U
Toluene	UG/L	1 UJ	1 U	1 U	250 U

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TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-84	MW-85	TR3-MW-02	TR3-PW-01
Sample ID		MW-84	MW-85	TR3-MW-02	TR3-PW-01
Matrix		Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-
Date Sampled		09/21/21	09/22/21	09/24/21	09/23/21
Parameter	Units				
Volatile Organic Compounds					
Trichloroethene	UG/L	1 UJ	1 U	1 U	84,700 D
Trichlorofluoromethane	UG/L	2 UJ	2 U	2 U	500 U
Vinyl chloride	UG/L	1 UJ	1 U	1 U	206 J
Xylene (total)	UG/L	1 UJ	1 U	1 U	250 U
Semivolatile Organic Compounds					
1,4-Dioxane	UG/L	NA	NA	NA	NA
Polychlorinated Biphenyls					
Aroclor 1016	UG/L	NA	NA	NA	NA
Aroclor 1221	UG/L	NA	NA	NA	NA
Aroclor 1232	UG/L	NA	NA	NA	NA
Aroclor 1242	UG/L	NA	NA	NA	NA
Aroclor 1248	UG/L	NA	NA	NA	NA
Aroclor 1254	UG/L	NA	NA	NA	NA
Aroclor 1260	UG/L	NA	NA	NA	NA
Aroclor 1262	UG/L	NA	NA	NA	NA
Aroclor 1268	UG/L	NA	NA	NA	NA
Dissolved Polychlorinated Biphenyls					
Aroclor 1016	UG/L	NA	NA	NA	NA
Aroclor 1221	UG/L	NA	NA	NA	NA
Aroclor 1232	UG/L	NA	NA	NA	NA
Aroclor 1242	UG/L	NA	NA	NA	NA
Aroclor 1248	UG/L	NA	NA	NA	NA
Aroclor 1254	UG/L	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		MW-84	MW-85	TR3-MW-02	TR3-PW-01
Sample ID		MW-84	MW-85	TR3-MW-02	TR3-PW-01
Matrix		Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-
Date Sampled		09/21/21	09/22/21	09/24/21	09/23/21
Parameter	Units				
Dissolved Polychlorinated Biphenyls					
Aroclor 1260	UG/L	NA	NA	NA	NA
Aroclor 1262	UG/L	NA	NA	NA	NA
Aroclor 1268	UG/L	NA	NA	NA	NA

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TABLE 2
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		EB-092221	EB-092221-F	TB-0921-2221	TB-092321	EB-092421-1
Matrix		Water Quality	Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/22/21	09/22/21	09/22/21	09/23/21	09/24/21
Parameter	Units	Equipment Blank (1-1)	Equipment Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)	Equipment Blank (1-1)
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	1 U	NA	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	UG/L	1 U	NA	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5 U	NA	5 U	5 U	5 U
1,1,2-Trichloroethane	UG/L	1 U	NA	1 U	1 U	1 U
1,1-Dichloroethane	UG/L	1 U	NA	1 U	1 U	1 U
1,1-Dichloroethene	UG/L	1 U	NA	1 U	1 U	1 U
1,2,3-Trichlorobenzene	UG/L	1 U	NA	1 U	1 U	1 U
1,2,4-Trichlorobenzene	UG/L	1 U	NA	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	UG/L	2 U	NA	2 U	2 U	2 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1 U	NA	1 U	1 U	1 U
1,2-Dichlorobenzene	UG/L	1 U	NA	1 U	1 U	1 U
1,2-Dichloroethane	UG/L	1 U	NA	1 U	1 U	1 U
1,2-Dichloroethene (cis)	UG/L	1 U	NA	1 U	1 U	1 U
1,2-Dichloroethene (trans)	UG/L	1 U	NA	1 U	1 U	1 U
1,2-Dichloropropane	UG/L	1 U	NA	1 U	1 U	1 U
1,3-Dichlorobenzene	UG/L	1 U	NA	1 U	1 U	1 U
1,3-Dichloropropene (cis)	UG/L	1 U	NA	1 U	1 U	1 U
1,3-Dichloropropene (trans)	UG/L	1 U	NA	1 U	1 U	1 U
1,4-Dichlorobenzene	UG/L	1 U	NA	1 U	1 U	1 U
2-Hexanone	UG/L	5 U	NA	5 U	5 U	5 U
4-Methyl-2-pentanone	UG/L	5 U	NA	5 U	5 U	5 U
Acetone	UG/L	10 U	NA	10 U	R	10 U
Benzene	UG/L	0.5 U	NA	0.5 U	0.5 U	0.5 U

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TABLE 2
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		EB-092221	EB-092221-F	TB-0921-2221	TB-092321	EB-092421-1
Matrix		Water Quality	Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/22/21	09/22/21	09/22/21	09/23/21	09/24/21
Parameter	**Units**	Equipment Blank (1-1)	Equipment Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)	Equipment Blank (1-1)
Volatile Organic Compounds						
Bromochloromethane	UG/L	1 U	NA	1 U	1 U	1 U
Bromodichloromethane	UG/L	1 U	NA	1 U	1 U	1 U
Bromoform	UG/L	1 U	NA	1 U	1 U	1 U
Bromomethane	UG/L	2 U	NA	2 U	2 U	2 U
Carbon disulfide	UG/L	2 U	NA	2 U	2 U	2 U
Carbon tetrachloride	UG/L	1 U	NA	1 U	1 U	1 U
Chlorobenzene	UG/L	1 U	NA	1 U	1 U	1 U
Chloroethane	UG/L	1 U	NA	1 U	1 U	1 U
Chloroform	UG/L	1 U	NA	1 U	1 U	1 U
Chloromethane	UG/L	1 U	NA	1 U	1 U	1 U
Cyclohexane	UG/L	5 U	NA	5 U	5 U	5 U
Dibromochloromethane	UG/L	1 U	NA	1 U	1 U	1 U
Dichlorodifluoromethane	UG/L	2 U	NA	2 U	2 U	2 U
Ethylbenzene	UG/L	1 U	NA	1 U	1 U	1 U
Isopropylbenzene (Cumene)	UG/L	1 U	NA	1 U	1 U	1 U
Methyl acetate	UG/L	5 U	NA	5 U	5 UJ	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	R	NA	R	10 U	R
Methyl tert-butyl ether	UG/L	1 U	NA	1 U	1 U	1 U
Methylcyclohexane	UG/L	5 U	NA	5 U	5 U	5 U
Methylene chloride	UG/L	2 U	NA	2 U	2 U	2 U
Styrene	UG/L	1 U	NA	1 U	1 U	1 U
Tetrachloroethene	UG/L	1 U	NA	1 U	1 U	1 U
Toluene	UG/L	1 U	NA	1 U	1 U	1 U

Flags assigned during chemistry validation are shown.

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TABLE 2
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		EB-092221	EB-092221-F	TB-0921-2221	TB-092321	EB-092421-1
Matrix		Water Quality	Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/22/21	09/22/21	09/22/21	09/23/21	09/24/21
Parameter	**Units**	Equipment Blank (1-1)	Equipment Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)	Equipment Blank (1-1)
Volatile Organic Compounds						
Trichloroethene	UG/L	1 U	NA	1 U	1 U	1 U
Trichlorofluoromethane	UG/L	2 U	NA	2 U	2 U	2 U
Vinyl chloride	UG/L	1 U	NA	1 U	1 U	1 U
Xylene (total)	UG/L	1 U	NA	1 U	1 U	1 U
Semivolatile Organic Compounds						
1,4-Dioxane	UG/L	0.99 U	NA	NA	NA	NA
Polychlorinated Biphenyls						
Aroclor 1016	UG/L	0.36 U	NA	NA	NA	NA
Aroclor 1221	UG/L	0.36 U	NA	NA	NA	NA
Aroclor 1232	UG/L	0.36 U	NA	NA	NA	NA
Aroclor 1242	UG/L	0.36 U	NA	NA	NA	NA
Aroclor 1248	UG/L	0.36 U	NA	NA	NA	NA
Aroclor 1254	UG/L	0.36 U	NA	NA	NA	NA
Aroclor 1260	UG/L	0.36 U	NA	NA	NA	NA
Aroclor 1262	UG/L	0.36 U	NA	NA	NA	NA
Aroclor 1268	UG/L	0.36 U	NA	NA	NA	NA
Dissolved Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	0.33 U	NA	NA	NA
Aroclor 1221	UG/L	NA	0.33 U	NA	NA	NA
Aroclor 1232	UG/L	NA	0.33 U	NA	NA	NA
Aroclor 1242	UG/L	NA	0.33 U	NA	NA	NA
Aroclor 1248	UG/L	NA	0.33 U	NA	NA	NA
Aroclor 1254	UG/L	NA	0.33 U	NA	NA	NA

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TABLE 2
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		EB-092221	EB-092221-F	TB-0921-2221	TB-092321	EB-092421-1
Matrix		Water Quality	Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/22/21	09/22/21	09/22/21	09/23/21	09/24/21
Parameter	Units	Equipment Blank (1-1)	Equipment Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)	Equipment Blank (1-1)
Dissolved Polychlorinated Biphenyls						
Aroclor 1260	UG/L	NA	0.33 U	NA	NA	NA
Aroclor 1262	UG/L	NA	0.33 U	NA	NA	NA
Aroclor 1268	UG/L	NA	0.33 U	NA	NA	NA

Flags assigned during chemistry validation are shown.

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TABLE 2
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		FIELDQC	FIELDQC
Sample ID		EB-092421-2	TB-092421
Matrix		Water Quality	Water Quality
Depth Interval (ft)		-	-
Date Sampled		09/24/21	09/24/21
Parameter	**Units**	Equipment Blank (1-1)	Trip Blank (1-1)
Volatile Organic Compounds			
1,1,1-Trichloroethane	UG/L	1 U	1 U
1,1,2,2-Tetrachloroethane	UG/L	1 U	1 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5 U	5 U
1,1,2-Trichloroethane	UG/L	1 U	1 U
1,1-Dichloroethane	UG/L	1 U	1 U
1,1-Dichloroethene	UG/L	1 U	1 U
1,2,3-Trichlorobenzene	UG/L	1 U	1 U
1,2,4-Trichlorobenzene	UG/L	1 U	1 U
1,2-Dibromo-3-chloropropane	UG/L	2 U	2 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1 U	1 U
1,2-Dichlorobenzene	UG/L	1 U	1 U
1,2-Dichloroethane	UG/L	1 U	1 U
1,2-Dichloroethene (cis)	UG/L	1 U	1 U
1,2-Dichloroethene (trans)	UG/L	1 U	1 U
1,2-Dichloropropane	UG/L	1 U	1 U
1,3-Dichlorobenzene	UG/L	1 U	1 U
1,3-Dichloropropene (cis)	UG/L	1 U	1 U
1,3-Dichloropropene (trans)	UG/L	1 U	1 U
1,4-Dichlorobenzene	UG/L	1 U	1 U
2-Hexanone	UG/L	5 U	5 U
4-Methyl-2-pentanone	UG/L	5 U	5 U
Acetone	UG/L	10 U	10 U
Benzene	UG/L	0.5 U	0.5 U

Flags assigned during chemistry validation are shown.

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[LOGDATE] > #9/1/2021# AND [LOCID] = 'FIELDQC'

TABLE 2
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		FIELDQC	FIELDQC
Sample ID		EB-092421-2	TB-092421
Matrix		Water Quality	Water Quality
Depth Interval (ft)		-	-
Date Sampled		09/24/21	09/24/21
Parameter	**Units**	Equipment Blank (1-1)	Trip Blank (1-1)
Volatile Organic Compounds			
Bromochloromethane	UG/L	1 U	1 U
Bromodichloromethane	UG/L	1 U	1 U
Bromoform	UG/L	1 U	1 U
Bromomethane	UG/L	2 U	2 U
Carbon disulfide	UG/L	2 U	2 U
Carbon tetrachloride	UG/L	1 U	1 U
Chlorobenzene	UG/L	1 U	1 U
Chloroethane	UG/L	1 U	1 U
Chloroform	UG/L	1 U	1 U
Chloromethane	UG/L	1 U	1 U
Cyclohexane	UG/L	5 U	5 U
Dibromochloromethane	UG/L	1 U	1 U
Dichlorodifluoromethane	UG/L	2 U	2 U
Ethylbenzene	UG/L	1 U	1 U
Isopropylbenzene (Cumene)	UG/L	1 U	1 U
Methyl acetate	UG/L	5 U	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	R	R
Methyl tert-butyl ether	UG/L	1 U	1 U
Methylcyclohexane	UG/L	5 U	5 U
Methylene chloride	UG/L	2 U	2 U
Styrene	UG/L	1 U	1 U
Tetrachloroethene	UG/L	1 U	1 U
Toluene	UG/L	1 U	1 U

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/3/21
CHECKED BY: PRF 11/4/21

Detection Limits shown are PQL

C:\Users\ann.marie.kropovitch\Desktop\utc local\EDMS.mde
Printed: 11/3/2021 11:45:24 AM
[LOGDATE] > #9/1/2021# AND [LOCID] = 'FIELDQC'

TABLE 2
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		FIELDQC	FIELDQC
Sample ID		EB-092421-2	TB-092421
Matrix		Water Quality	Water Quality
Depth Interval (ft)		-	-
Date Sampled		09/24/21	09/24/21
Parameter	**Units**	Equipment Blank (1-1)	Trip Blank (1-1)
Volatile Organic Compounds			
Trichloroethene	UG/L	1 U	1 U
Trichlorofluoromethane	UG/L	2 U	2 U
Vinyl chloride	UG/L	1 U	1 U
Xylene (total)	UG/L	1 U	1 U
Semivolatile Organic Compounds			
1,4-Dioxane	UG/L	NA	NA
Polychlorinated Biphenyls			
Aroclor 1016	UG/L	NA	NA
Aroclor 1221	UG/L	NA	NA
Aroclor 1232	UG/L	NA	NA
Aroclor 1242	UG/L	NA	NA
Aroclor 1248	UG/L	NA	NA
Aroclor 1254	UG/L	NA	NA
Aroclor 1260	UG/L	NA	NA
Aroclor 1262	UG/L	NA	NA
Aroclor 1268	UG/L	NA	NA
Dissolved Polychlorinated Biphenyls			
Aroclor 1016	UG/L	NA	NA
Aroclor 1221	UG/L	NA	NA
Aroclor 1232	UG/L	NA	NA
Aroclor 1242	UG/L	NA	NA
Aroclor 1248	UG/L	NA	NA
Aroclor 1254	UG/L	NA	NA

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/3/21
CHECKED BY: PRF 11/4/21

Detection Limits shown are PQL

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Printed: 11/3/2021 11:45:24 AM
[LOGDATE] > #9/1/2021# AND [LOCID] = 'FIELDQC'

TABLE 2
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
CARRIER SITE

Location ID		FIELDQC	FIELDQC
Sample ID		EB-092421-2	TB-092421
Matrix		Water Quality	Water Quality
Depth Interval (ft)		-	-
Date Sampled		09/24/21	09/24/21
Parameter	**Units**	Equipment Blank (1-1)	Trip Blank (1-1)
Dissolved Polychlorinated Biphenyls			
Aroclor 1260	UG/L	NA	NA
Aroclor 1262	UG/L	NA	NA
Aroclor 1268	UG/L	NA	NA

Flags assigned during chemistry validation are shown.

MADE BY: AMK 11/3/21
CHECKED BY: PRF 11/4/21

Detection Limits shown are PQL

C:\Users\ann.marie.kropovitch\Desktop\utc local\EDMS.mde
Printed: 11/3/2021 11:45:24 AM
[LOGDATE] > #9/1/2021# AND [LOCID] = 'FIELDQC'

ATTACHMENT A

FORM 1s

JD32169

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-03D		
Lab Sample ID:	JD32169-1	**Date Sampled:**	09/21/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A213717.D	1	10/05/21 15:25	BK	n/a	n/a	V2A9302
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	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	6.9	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 [b]	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	7.6	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	

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		
Lab Sample ID:	JD32169-1	**Date Sampled:**	09/21/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.79	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	96%		85-118%
17060-07-0	1,2-Dichloroethane-D4	106%		80-121%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	96%		80-120%

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

(a) 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.

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-03D		
Lab Sample ID:	JD32169-1	**Date Sampled:**	09/21/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F202300.D	1	09/28/21 15:00	KLS	09/27/21 16:30	OP35667	EF8859
Run #2							

	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	67%		35-127%
321-60-8	2-Fluorobiphenyl	68%		35-121%
1718-51-0	Terphenyl-d14	60%		28-135%

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-03S		
Lab Sample ID:	JD32169-2	**Date Sampled:**	09/21/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A213729.D	1	10/05/21 21:09	BK	n/a	n/a	V2A9302
Run #2	2A213724.D	10	10/05/21 18:39	BK	n/a	n/a	V2A9302

	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	6.9	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 [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	20.9	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	4.8	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	703 [b]	10	5.1	ug/l	
156-60-5	trans-1,2-Dichloroethene	1.5	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-03S		
Lab Sample ID:	JD32169-2	**Date Sampled:**	09/21/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	38.6	1.0	0.79	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%	97%	85-118%
17060-07-0	1,2-Dichloroethane-D4	107%	106%	80-121%
2037-26-5	Toluene-D8	100%	100%	80-120%
460-00-4	4-Bromofluorobenzene	96%	98%	80-120%

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.
(b) Result is from Run# 2

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-03S		
Lab Sample ID:	JD32169-2	**Date Sampled:**	09/21/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F202301.D	1	09/28/21 15:25	KLS	09/27/21 16:30	OP35667	EF8859
Run #2							

	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	66%		35-127%
321-60-8	2-Fluorobiphenyl	73%		35-121%
1718-51-0	Terphenyl-d14	65%		28-135%

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

FD of MW-03S

SGS North America Inc.

Report of Analysis

Client Sample ID:	FD-092121		
Lab Sample ID:	JD32169-3	**Date Sampled:**	09/21/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A213726.D	1	10/05/21 19:44	BK	n/a	n/a	V2A9302
Run #2 [a]	2V81402.D	10	10/06/21 18:05	JS	n/a	n/a	V2V3356

	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 [b]	ND UJ	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	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND UJ	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane [c]	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	17.2	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	4.4	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	581 [d] DJ	10	5.1	ug/l	
156-60-5	trans-1,2-Dichloroethene	0.99	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

SGS North America Inc.

Report of Analysis

Client Sample ID:	FD-092121		
Lab Sample ID:	JD32169-3	**Date Sampled:**	09/21/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	1.3	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	35.7	1.0	0.79	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	96%	94%	85-118%
17060-07-0	1,2-Dichloroethane-D4	106%	108%	80-121%
2037-26-5	Toluene-D8	99%	102%	80-120%
460-00-4	4-Bromofluorobenzene	97%	103%	80-120%

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

(a) Sample analyzed outside the holding time.
(b) This compound in blank spike is outside in house QC limits bias high.
(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) Result is from Run# 2

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-092121		
Lab Sample ID:	JD32169-3	**Date Sampled:**	09/21/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F202302.D	1	09/28/21 15:51	KLS	09/27/21 16:30	OP35667	EF8859
Run #2							

	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	0.90	1.0	0.66	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		35-127%
321-60-8	2-Fluorobiphenyl	73%		35-121%
1718-51-0	Terphenyl-d14	65%		28-135%

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-69		
Lab Sample ID:	JD32169-4	**Date Sampled:**	09/21/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2A213737.D	1	10/06/21 00:58	BK	n/a	n/a	V2A9303
Run #2 [a]	2A213742.D	10	10/06/21 03:19	BK	n/a	n/a	V2A9303

	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 UJ	10	3.1	ug/l	
71-43-2	Benzene	0.56 J	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND UJ	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND UJ	1.0	0.45	ug/l	
75-25-2	Bromoform [b]	ND UJ	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND UJ	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND R	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND UJ	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND UJ	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND UJ	1.0	0.73	ug/l	
67-66-3	Chloroform	ND UJ	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND UJ	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND UJ	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND UJ	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND UJ	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND UJ	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND UJ	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND UJ	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND UJ	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND UJ	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	24.4 J	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND UJ	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	7.1 J	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	254 [c] J	10	5.1	ug/l	
156-60-5	trans-1,2-Dichloroethene	8.9 J	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND UJ	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND UJ	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND UJ	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND UJ	1.0	0.60	ug/l	
76-13-1	Freon 113	ND UJ	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND UJ	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-69		
Lab Sample ID:	JD32169-4	**Date Sampled:**	09/21/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND UJ	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND UJ	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND UJ	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND UJ	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND UJ	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND UJ	2.0	1.0	ug/l	
100-42-5	Styrene	ND UJ	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND UJ	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	3.6 J	1.0	0.90	ug/l	
108-88-3	Toluene	ND UJ	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND UJ	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND UJ	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND UJ	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND UJ	1.0	0.53	ug/l	
79-01-6	Trichloroethene	1250 [c] J	10	5.3	ug/l	
75-69-4	Trichlorofluoromethane	ND UJ	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	38.7 J	1.0	0.79	ug/l	
	m,p-Xylene	ND UJ	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND UJ	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND UJ	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	97%	85-118%
17060-07-0	1,2-Dichloroethane-D4	104%	102%	80-121%
2037-26-5	Toluene-D8	100%	100%	80-120%
460-00-4	4-Bromofluorobenzene	97%	96%	80-120%

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

(a) Sample analyzed outside the holding time.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Result is from Run# 2

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-09		
Lab Sample ID:	JD32169-5	**Date Sampled:**	09/21/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A213727.D	1	10/05/21 20:12	BK	n/a	n/a	V2A9302
Run #2 [a]	2V81389.D	1	10/06/21 12:28	JS	n/a	n/a	V2V3356

	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 [b]	ND UJ	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	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND UJ	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane [c]	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 [d] UJ	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:	JD32169-5	**Date Sampled:**	09/21/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	2.6	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	0.79	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%	97%	85-118%
17060-07-0	1,2-Dichloroethane-D4	107%	113%	80-121%
2037-26-5	Toluene-D8	101%	102%	80-120%
460-00-4	4-Bromofluorobenzene	98%	102%	80-120%

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

(a) Sample analyzed outside the holding time.
(b) This compound in blank spike is outside in house QC limits bias high.
(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) Result is from Run# 2

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-75		
Lab Sample ID:	JD32169-6	**Date Sampled:**	09/21/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A213728.D	1	10/05/21 20:41	BK	n/a	n/a	V2A9302
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	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	6.9	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 [b]	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		
Lab Sample ID:	JD32169-6	**Date Sampled:**	09/21/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.79	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	96%		85-118%
17060-07-0	1,2-Dichloroethane-D4	107%		80-121%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	97%		80-120%

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

(a) 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.

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-84		
Lab Sample ID:	JD32169-7	**Date Sampled:**	09/21/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2A213745.D	1	10/06/21 04:43	BK	n/a	n/a	V2A9303
Run #2							

	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 UJ	10	3.1	ug/l	
71-43-2	Benzene	ND UJ	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND UJ	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND UJ	1.0	0.45	ug/l	
75-25-2	Bromoform [b]	ND UJ	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND UJ	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND R	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND UJ	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND UJ	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND UJ	1.0	0.73	ug/l	
67-66-3	Chloroform	ND UJ	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND UJ	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND UJ	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND UJ	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND UJ	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND UJ	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND UJ	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND UJ	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND UJ	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND UJ	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND UJ	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND UJ	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND UJ	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND UJ	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND UJ	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND UJ	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND UJ	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND UJ	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND UJ	1.0	0.60	ug/l	
76-13-1	Freon 113	ND UJ	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND UJ	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:	JD32169-7	**Date Sampled:**	09/21/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND UJ	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND UJ	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND UJ	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND UJ	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND UJ	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND UJ	2.0	1.0	ug/l	
100-42-5	Styrene	ND UJ	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND UJ	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	3.5 J	1.0	0.90	ug/l	
108-88-3	Toluene	ND UJ	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND UJ	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND UJ	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND UJ	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND UJ	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND UJ	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND UJ	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND UJ	1.0	0.79	ug/l	
	m,p-Xylene	ND UJ	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND UJ	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND UJ	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		85-118%
17060-07-0	1,2-Dichloroethane-D4	105%		80-121%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	97%		80-120%

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

(a) Sample analyzed outside the holding time.
(b) Associated CCV outside of control limits high, sample was ND.

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		
Lab Sample ID:	JD32169-8	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A213746.D	1	10/06/21 05:12	BK	n/a	n/a	V2A9303
Run #2							

	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 [a]	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	R	10	6.9	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:	JD32169-8	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.79	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	96%		85-118%
17060-07-0	1,2-Dichloroethane-D4	105%		80-121%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	96%		80-120%

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.

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		
Lab Sample ID:	JD32169-8	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F202303.D	1	09/28/21 16:16	KLS	09/27/21 16:30	OP35667	EF8859
Run #2							

	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	66%		35-127%
321-60-8	2-Fluorobiphenyl	65%		35-121%
1718-51-0	Terphenyl-d14	40%		28-135%

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-71		
Lab Sample ID:	JD32169-9	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A213747.D	1	10/06/21 05:40	BK	n/a	n/a	V2A9303
Run #2							

	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 [a]	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	R	10	6.9	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	0.60		1.0	0.59	ug/l	J
156-59-2	cis-1,2-Dichloroethene	45.6		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

Report of Analysis

Client Sample ID:	MW-71		
Lab Sample ID:	JD32169-9	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	84.5	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	0.71	2.0	0.40	ug/l	J
75-01-4	Vinyl chloride	8.0	1.0	0.79	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%		85-118%
17060-07-0	1,2-Dichloroethane-D4	105%		80-121%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	95%		80-120%

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.

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-71		
Lab Sample ID:	JD32169-9	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F202304.D	1	09/28/21 16:41	KLS	09/27/21 16:30	OP35667	EF8859
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	2.1	0.97	0.64	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		35-127%
321-60-8	2-Fluorobiphenyl	75%		35-121%
1718-51-0	Terphenyl-d14	40%		28-135%

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-10		
Lab Sample ID:	JD32169-10	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A213748.D	1	10/06/21 06:09	BK	n/a	n/a	V2A9303
Run #2							

	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 [a]	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	R	10	6.9	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		
Lab Sample ID:	JD32169-10	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.79	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%		85-118%
17060-07-0	1,2-Dichloroethane-D4	105%		80-121%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	96%		80-120%

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.

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-10		
Lab Sample ID:	JD32169-10	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F202305.D	1	09/28/21 17:06	KLS	09/27/21 16:30	OP35667	EF8859
Run #2							

	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	78%		35-127%
321-60-8	2-Fluorobiphenyl	79%		35-121%
1718-51-0	Terphenyl-d14	45%		28-135%

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-85		
Lab Sample ID:	JD32169-11	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A213749.D	1	10/06/21 06:37	BK	n/a	n/a	V2A9303
Run #2							

	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 [a]	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	6.9	ug/l	R
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		
Lab Sample ID:	JD32169-11	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.79	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	96%		85-118%
17060-07-0	1,2-Dichloroethane-D4	107%		80-121%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	97%		80-120%

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.

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-19		
Lab Sample ID:	JD32169-12	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A213750.D	1	10/06/21 07:05	BK	n/a	n/a	V2A9303
Run #2							

	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 [a]	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	R	10	6.9	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	2.8		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-19		
Lab Sample ID:	JD32169-12	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	1.1	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	0.79	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%		85-118%
17060-07-0	1,2-Dichloroethane-D4	106%		80-121%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	97%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
1066-40-6	Silanol, trimethyl-	8.72	6.1	ug/l	JN
	Total TIC, Volatile		6.1	ug/l	J

(a) Associated CCV outside of control limits high, sample was ND.

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-19		
Lab Sample ID:	JD32169-12	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G110593.D	1	10/01/21 07:52	CP	09/30/21 18:30	OP35670	G5G2802
Run #2							

	Initial Volume	Final Volume
Run #1	300 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.33	0.13	ug/l	
11104-28-2	Aroclor 1221	ND	0.33	0.28	ug/l	
11141-16-5	Aroclor 1232	ND	0.33	0.17	ug/l	
53469-21-9	Aroclor 1242	ND	0.33	0.15	ug/l	
12672-29-6	Aroclor 1248	ND	0.33	0.084	ug/l	
11097-69-1	Aroclor 1254	ND	0.33	0.28	ug/l	
11096-82-5	Aroclor 1260	ND	0.33	0.10	ug/l	
11100-14-4	Aroclor 1268	ND	0.33	0.12	ug/l	
37324-23-5	Aroclor 1262	ND	0.33	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	64%		10-155%
877-09-8	Tetrachloro-m-xylene	79%		10-155%
2051-24-3	Decachlorobiphenyl	63%		10-151%
2051-24-3	Decachlorobiphenyl	77%		10-151%

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-19-F		
Lab Sample ID:	JD32169-12F	**Date Sampled:**	09/22/21
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/23/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G110594.D	1	10/01/21 08:26	CP	09/30/21 18:30	OP35670	G5G2802
Run #2							

	Initial Volume	Final Volume
Run #1	300 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.33	0.13	ug/l	
11104-28-2	Aroclor 1221	ND	0.33	0.28	ug/l	
11141-16-5	Aroclor 1232	ND	0.33	0.17	ug/l	
53469-21-9	Aroclor 1242	ND	0.33	0.15	ug/l	
12672-29-6	Aroclor 1248	ND	0.33	0.084	ug/l	
11097-69-1	Aroclor 1254	ND	0.33	0.28	ug/l	
11096-82-5	Aroclor 1260	ND	0.33	0.10	ug/l	
11100-14-4	Aroclor 1268	ND	0.33	0.12	ug/l	
37324-23-5	Aroclor 1262	ND	0.33	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		10-155%
877-09-8	Tetrachloro-m-xylene	84%		10-155%
2051-24-3	Decachlorobiphenyl	75%		10-151%
2051-24-3	Decachlorobiphenyl	92%		10-151%

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

FD of MW-19

SGS North America Inc.

Report of Analysis

Client Sample ID:	FD-092221		
Lab Sample ID:	JD32169-13	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G110595.D	1	10/01/21 09:00	CP	09/30/21 18:30	OP35670	G5G2802
Run #2							

	Initial Volume	Final Volume
Run #1	300 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.33	0.13	ug/l	
11104-28-2	Aroclor 1221	ND	0.33	0.28	ug/l	
11141-16-5	Aroclor 1232	ND	0.33	0.17	ug/l	
53469-21-9	Aroclor 1242	ND	0.33	0.15	ug/l	
12672-29-6	Aroclor 1248	ND	0.33	0.084	ug/l	
11097-69-1	Aroclor 1254	ND	0.33	0.28	ug/l	
11096-82-5	Aroclor 1260	ND	0.33	0.10	ug/l	
11100-14-4	Aroclor 1268	ND	0.33	0.12	ug/l	
37324-23-5	Aroclor 1262	ND	0.33	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	62%		10-155%
877-09-8	Tetrachloro-m-xylene	77%		10-155%
2051-24-3	Decachlorobiphenyl	65%		10-151%
2051-24-3	Decachlorobiphenyl	81%		10-151%

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

FD of MW-19 F

SGS North America Inc.

Report of Analysis

Client Sample ID:	FD-092221-F		
Lab Sample ID:	JD32169-13F	**Date Sampled:**	09/22/21
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/23/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G110596.D	1	10/01/21 09:33	CP	09/30/21 18:30	OP35670	G5G2802
Run #2							

	Initial Volume	Final Volume
Run #1	300 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.33	0.13	ug/l	
11104-28-2	Aroclor 1221	ND	0.33	0.28	ug/l	
11141-16-5	Aroclor 1232	ND	0.33	0.17	ug/l	
53469-21-9	Aroclor 1242	ND	0.33	0.15	ug/l	
12672-29-6	Aroclor 1248	ND	0.33	0.084	ug/l	
11097-69-1	Aroclor 1254	ND	0.33	0.28	ug/l	
11096-82-5	Aroclor 1260	ND	0.33	0.10	ug/l	
11100-14-4	Aroclor 1268	ND	0.33	0.12	ug/l	
37324-23-5	Aroclor 1262	ND	0.33	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	47%		10-155%
877-09-8	Tetrachloro-m-xylene	63%		10-155%
2051-24-3	Decachlorobiphenyl	54%		10-151%
2051-24-3	Decachlorobiphenyl	56%		10-151%

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-23		
Lab Sample ID:	JD32169-14	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2A213739.D	5	10/06/21 01:55	BK	n/a	n/a	V2A9303
Run #2	2A213738.D	50	10/06/21 01:26	BK	n/a	n/a	V2A9303

	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	50	15	ug/l	
71-43-2	Benzene	ND	2.5	2.1	ug/l	
74-97-5	Bromochloromethane	ND	5.0	2.4	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	2.3	ug/l	
75-25-2	Bromoform [b]	ND	5.0	3.2	ug/l	
74-83-9	Bromomethane	ND	10	8.2	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	34	ug/l	
75-15-0	Carbon disulfide	ND	10	2.3	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	2.8	ug/l	
108-90-7	Chlorobenzene	ND	5.0	2.8	ug/l	
75-00-3	Chloroethane	ND	5.0	3.6	ug/l	
67-66-3	Chloroform	ND	5.0	2.5	ug/l	
74-87-3	Chloromethane	ND	5.0	3.8	ug/l	
110-82-7	Cyclohexane	ND	25	3.9	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	2.6	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	2.8	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	2.4	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	2.7	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.7	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	2.8	ug/l	
75-34-3	1,1-Dichloroethane	142	5.0	2.8	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	3.0	ug/l	
75-35-4	1,1-Dichloroethene	12.9	5.0	3.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	1440 [c]	50	25	ug/l	
156-60-5	trans-1,2-Dichloroethene	11.7	5.0	2.7	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.2	ug/l	
100-41-4	Ethylbenzene	12.8	5.0	3.0	ug/l	
76-13-1	Freon 113	ND	25	2.9	ug/l	
591-78-6	2-Hexanone	ND	25	10	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-23		
Lab Sample ID:	JD32169-14	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	5.0	3.2	ug/l	
79-20-9	Methyl Acetate	ND	25	4.0	ug/l	
108-87-2	Methylcyclohexane	ND	25	3.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	25	9.3	ug/l	
75-09-2	Methylene chloride	ND	10	5.0	ug/l	
100-42-5	Styrene	ND	5.0	2.4	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	3.3	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	4.5	ug/l	
108-88-3	Toluene	ND	5.0	2.7	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/l	
71-55-6	1,1,1-Trichloroethane	51.9	5.0	2.7	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.7	ug/l	
79-01-6	Trichloroethene	182	5.0	2.6	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	53.9	5.0	3.9	ug/l	
	m,p-Xylene	ND	5.0	3.9	ug/l	
95-47-6	o-Xylene	ND	5.0	3.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	99%	85-118%
17060-07-0	1,2-Dichloroethane-D4	105%	105%	80-121%
2037-26-5	Toluene-D8	99%	99%	80-120%
460-00-4	4-Bromofluorobenzene	94%	95%	80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	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) Result is from Run# 2

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-23		
Lab Sample ID:	JD32169-14	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2471524.D	1	10/01/21 03:52	TC	09/30/21 18:30	OP35670	GXX7597
Run #2							

	Initial Volume	Final Volume
Run #1	295 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.34	0.13	ug/l	
11104-28-2	Aroclor 1221	ND	0.34	0.28	ug/l	
11141-16-5	Aroclor 1232	ND	0.34	0.18	ug/l	
53469-21-9	Aroclor 1242	ND	0.34	0.16	ug/l	
12672-29-6	Aroclor 1248	ND	0.34	0.085	ug/l	
11097-69-1	Aroclor 1254	ND	0.34	0.28	ug/l	
11096-82-5	Aroclor 1260	ND	0.34	0.10	ug/l	
11100-14-4	Aroclor 1268	ND	0.34	0.12	ug/l	
37324-23-5	Aroclor 1262	ND	0.34	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		10-155%
877-09-8	Tetrachloro-m-xylene	150%		10-155%
2051-24-3	Decachlorobiphenyl	45%		10-151%
2051-24-3	Decachlorobiphenyl	48%		10-151%

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-23-F		
Lab Sample ID:	JD32169-14F	**Date Sampled:**	09/22/21
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/23/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2471525.D	1	10/01/21 04:09	TC	09/30/21 18:30	OP35670	GXX7597
Run #2							

	Initial Volume	Final Volume
Run #1	280 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.36	0.14	ug/l	
11104-28-2	Aroclor 1221	ND	0.36	0.30	ug/l	
11141-16-5	Aroclor 1232	ND	0.36	0.19	ug/l	
53469-21-9	Aroclor 1242	ND	0.36	0.16	ug/l	
12672-29-6	Aroclor 1248	ND	0.36	0.090	ug/l	
11097-69-1	Aroclor 1254	ND	0.36	0.30	ug/l	
11096-82-5	Aroclor 1260	ND	0.36	0.11	ug/l	
11100-14-4	Aroclor 1268	ND	0.36	0.12	ug/l	
37324-23-5	Aroclor 1262	ND	0.36	0.14	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		10-155%
877-09-8	Tetrachloro-m-xylene	98%		10-155%
2051-24-3	Decachlorobiphenyl	66%		10-151%
2051-24-3	Decachlorobiphenyl	65%		10-151%

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-38		
Lab Sample ID:	JD32169-15	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A213751.D	1	10/06/21 07:34	BK	n/a	n/a	V2A9303
Run #2							

	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 [a]	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	R	10	6.9	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	0.59		1.0	0.51	ug/l	J
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		
Lab Sample ID:	JD32169-15	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	8.1	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	4.1	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	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%		85-118%
17060-07-0	1,2-Dichloroethane-D4	107%		80-121%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	98%		80-120%

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.

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-38		
Lab Sample ID:	JD32169-15	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2471526.D	1	10/01/21 04:26	TC	09/30/21 18:30	OP35670	GXX7597
Run #2							

	Initial Volume	Final Volume
Run #1	300 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.33	0.13	ug/l	
11104-28-2	Aroclor 1221	ND	0.33	0.28	ug/l	
11141-16-5	Aroclor 1232	ND	0.33	0.17	ug/l	
53469-21-9	Aroclor 1242	ND	0.33	0.15	ug/l	
12672-29-6	Aroclor 1248	ND	0.33	0.084	ug/l	
11097-69-1	Aroclor 1254	ND	0.33	0.28	ug/l	
11096-82-5	Aroclor 1260	ND	0.33	0.10	ug/l	
11100-14-4	Aroclor 1268	ND	0.33	0.12	ug/l	
37324-23-5	Aroclor 1262	ND	0.33	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		10-155%
877-09-8	Tetrachloro-m-xylene	81%		10-155%
2051-24-3	Decachlorobiphenyl	37%		10-151%
2051-24-3	Decachlorobiphenyl	38%		10-151%

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-38-F		
Lab Sample ID:	JD32169-15F	**Date Sampled:**	09/22/21
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/23/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2471527.D	1	10/01/21 04:44	TC	09/30/21 18:30	OP35670	GXX7597
Run #2							

	Initial Volume	Final Volume
Run #1	290 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.34	0.14	ug/l	
11104-28-2	Aroclor 1221	ND	0.34	0.29	ug/l	
11141-16-5	Aroclor 1232	ND	0.34	0.18	ug/l	
53469-21-9	Aroclor 1242	ND	0.34	0.16	ug/l	
12672-29-6	Aroclor 1248	ND	0.34	0.087	ug/l	
11097-69-1	Aroclor 1254	ND	0.34	0.29	ug/l	
11096-82-5	Aroclor 1260	ND	0.34	0.10	ug/l	
11100-14-4	Aroclor 1268	ND	0.34	0.12	ug/l	
37324-23-5	Aroclor 1262	ND	0.34	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	64%		10-155%
877-09-8	Tetrachloro-m-xylene	75%		10-155%
2051-24-3	Decachlorobiphenyl	62%		10-151%
2051-24-3	Decachlorobiphenyl	60%		10-151%

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-26		
Lab Sample ID:	JD32169-16	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A213752.D	1	10/06/21 08:02	BK	n/a	n/a	V2A9303
Run #2							

	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 [a]	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	6.9	ug/l	R
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:	JD32169-16	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	1.4	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	0.79	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%		85-118%
17060-07-0	1,2-Dichloroethane-D4	107%		80-121%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	97%		80-120%

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.

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-26		
Lab Sample ID:	JD32169-16	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G110584.D	1	10/01/21 02:50	CP	09/30/21 18:30	OP35670	G5G2802
Run #2							

	Initial Volume	Final Volume
Run #1	290 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.34	0.14	ug/l	
11104-28-2	Aroclor 1221	ND	0.34	0.29	ug/l	
11141-16-5	Aroclor 1232	ND	0.34	0.18	ug/l	
53469-21-9	Aroclor 1242	ND	0.34	0.16	ug/l	
12672-29-6	Aroclor 1248	ND	0.34	0.087	ug/l	
11097-69-1	Aroclor 1254	ND	0.34	0.29	ug/l	
11096-82-5	Aroclor 1260	ND	0.34	0.10	ug/l	
11100-14-4	Aroclor 1268	ND	0.34	0.12	ug/l	
37324-23-5	Aroclor 1262	ND	0.34	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		10-155%
877-09-8	Tetrachloro-m-xylene	80%		10-155%
2051-24-3	Decachlorobiphenyl	55%		10-151%
2051-24-3	Decachlorobiphenyl	67%		10-151%

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-26-F		
Lab Sample ID:	JD32169-16F	**Date Sampled:**	09/22/21
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/23/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G110587.D	1	10/01/21 04:31	CP	09/30/21 18:30	OP35670	G5G2802
Run #2							

	Initial Volume	Final Volume
Run #1	300 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.33	0.13	ug/l	
11104-28-2	Aroclor 1221	ND	0.33	0.28	ug/l	
11141-16-5	Aroclor 1232	ND	0.33	0.17	ug/l	
53469-21-9	Aroclor 1242	ND	0.33	0.15	ug/l	
12672-29-6	Aroclor 1248	ND	0.33	0.084	ug/l	
11097-69-1	Aroclor 1254	ND	0.33	0.28	ug/l	
11096-82-5	Aroclor 1260	ND	0.33	0.10	ug/l	
11100-14-4	Aroclor 1268	ND	0.33	0.12	ug/l	
37324-23-5	Aroclor 1262	ND	0.33	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	60%		10-155%
877-09-8	Tetrachloro-m-xylene	75%		10-155%
2051-24-3	Decachlorobiphenyl	64%		10-151%
2051-24-3	Decachlorobiphenyl	79%		10-151%

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-21		
Lab Sample ID:	JD32169-17	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A213753.D	1	10/06/21 08:31	BK	n/a	n/a	V2A9303
Run #2							

	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 [a]	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	R	10	6.9	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	1.6		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	

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-21		
Lab Sample ID:	JD32169-17	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	1.9	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	0.79	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	96%		85-118%
17060-07-0	1,2-Dichloroethane-D4	106%		80-121%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	97%		80-120%

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.

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-70		
Lab Sample ID:	JD32169-18	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A213754.D	1	10/06/21 08:59	BK	n/a	n/a	V2A9303
Run #2							

	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 [a]	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	R	10	6.9	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-70		
Lab Sample ID:	JD32169-18	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.79	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	96%		85-118%
17060-07-0	1,2-Dichloroethane-D4	107%		80-121%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	99%		80-120%

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.

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-70		
Lab Sample ID:	JD32169-18	**Date Sampled:**	09/22/21
Matrix:	AQ - Ground Water	**Date Received:**	09/23/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F202354.D	1	09/30/21 03:47	CS	09/29/21 15:20	OP35661	EF8862
Run #2							

	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	72%		35-127%
321-60-8	2-Fluorobiphenyl	75%		35-121%
1718-51-0	Terphenyl-d14	47%		28-135%

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-092221		
Lab Sample ID:	JD32169-19	**Date Sampled:**	09/22/21
Matrix:	AQ - Equipment Blank	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A213743.D	1	10/06/21 03:47	BK	n/a	n/a	V2A9303
Run #2							

	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 [a]	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	R	10	6.9	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-092221		
Lab Sample ID:	JD32169-19	**Date Sampled:**	09/22/21
Matrix:	AQ - Equipment Blank	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.79	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%		85-118%
17060-07-0	1,2-Dichloroethane-D4	103%		80-121%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	96%		80-120%

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.

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-092221		
Lab Sample ID:	JD32169-19	**Date Sampled:**	09/22/21
Matrix:	AQ - Equipment Blank	**Date Received:**	09/23/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F202298.D	1	09/28/21 14:10	KLS	09/27/21 16:30	OP35667	EF8859
Run #2							

	Initial Volume	Final Volume
Run #1	1010 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.99	0.65	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	87%		35-127%
321-60-8	2-Fluorobiphenyl	93%		35-121%
1718-51-0	Terphenyl-d14	98%		28-135%

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-092221		
Lab Sample ID:	JD32169-19	**Date Sampled:**	09/22/21
Matrix:	AQ - Equipment Blank	**Date Received:**	09/23/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2471528.D	1	10/01/21 05:01	TC	09/30/21 18:30	OP35670	GXX7597
Run #2							

	Initial Volume	Final Volume
Run #1	280 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.36	0.14	ug/l	
11104-28-2	Aroclor 1221	ND	0.36	0.30	ug/l	
11141-16-5	Aroclor 1232	ND	0.36	0.19	ug/l	
53469-21-9	Aroclor 1242	ND	0.36	0.16	ug/l	
12672-29-6	Aroclor 1248	ND	0.36	0.090	ug/l	
11097-69-1	Aroclor 1254	ND	0.36	0.30	ug/l	
11096-82-5	Aroclor 1260	ND	0.36	0.11	ug/l	
11100-14-4	Aroclor 1268	ND	0.36	0.12	ug/l	
37324-23-5	Aroclor 1262	ND	0.36	0.14	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%		10-155%
877-09-8	Tetrachloro-m-xylene	91%		10-155%
2051-24-3	Decachlorobiphenyl	39%		10-151%
2051-24-3	Decachlorobiphenyl	39%		10-151%

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-092221-F		
Lab Sample ID:	JD32169-19F	**Date Sampled:**	09/22/21
Matrix:	AQ - Equip Blank Filtered	**Date Received:**	09/23/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2471529.D	1	10/01/21 05:19	TC	09/30/21 18:30	OP35670	GXX7597
Run #2							

	Initial Volume	Final Volume
Run #1	300 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.33	0.13	ug/l	
11104-28-2	Aroclor 1221	ND	0.33	0.28	ug/l	
11141-16-5	Aroclor 1232	ND	0.33	0.17	ug/l	
53469-21-9	Aroclor 1242	ND	0.33	0.15	ug/l	
12672-29-6	Aroclor 1248	ND	0.33	0.084	ug/l	
11097-69-1	Aroclor 1254	ND	0.33	0.28	ug/l	
11096-82-5	Aroclor 1260	ND	0.33	0.10	ug/l	
11100-14-4	Aroclor 1268	ND	0.33	0.12	ug/l	
37324-23-5	Aroclor 1262	ND	0.33	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		10-155%
877-09-8	Tetrachloro-m-xylene	80%		10-155%
2051-24-3	Decachlorobiphenyl	27%		10-151%
2051-24-3	Decachlorobiphenyl	24%		10-151%

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:	TB-0921-2221		
Lab Sample ID:	JD32169-20	**Date Sampled:**	09/22/21
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A213744.D	1	10/06/21 04:15	BK	n/a	n/a	V2A9303
Run #2							

	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 [a]	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	R	10	6.9	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:	TB-0921-2221		
Lab Sample ID:	JD32169-20	**Date Sampled:**	09/22/21
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/23/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.79	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%		85-118%
17060-07-0	1,2-Dichloroethane-D4	104%		80-121%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	95%		80-120%

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.

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

JD32185

SGS North America Inc.

Report of Analysis

Client Sample ID:	DP-MW-04		
Lab Sample ID:	JD32185-1	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2C185966.D	1	10/07/21 03:13	TDN	n/a	n/a	V2C8286
Run #2							

	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	R	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	6.9	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:	DP-MW-04		
Lab Sample ID:	JD32185-1	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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 [a]	ND	5.0	0.80	ug/l	UJ
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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.79	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	103%		85-118%
17060-07-0	1,2-Dichloroethane-D4	92%		80-121%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	96%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	4.14	24	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
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:	DP-MW-04		
Lab Sample ID:	JD32185-1	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M175370.D	1	10/01/21 18:59	KLS	09/30/21 16:35	OP35668	EM7539
Run #2							

	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	64%		35-127%
321-60-8	2-Fluorobiphenyl	67%		35-121%
1718-51-0	Terphenyl-d14	57%		28-135%

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-77		
Lab Sample ID:	JD32185-2	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2C185967.D	1	10/07/21 03:42	TDN	n/a	n/a	V2C8286
Run #2							

	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 R	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	6.9	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-77		
Lab Sample ID:	JD32185-2	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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 [a]	ND	5.0	0.80	ug/l	UJ
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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.79	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	106%		85-118%
17060-07-0	1,2-Dichloroethane-D4	93%		80-121%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	98%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	~~system artifact~~	~~4.00~~	~~24~~	~~ug/l~~	~~J~~
	~~system artifact~~	~~4.14~~	~~26~~	~~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
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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

FD of MW-77

SGS North America Inc.

Report of Analysis

Client Sample ID:	FD-092321		
Lab Sample ID:	JD32185-3	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2C185968.D	1	10/07/21 04:11	TDN	n/a	n/a	V2C8286
Run #2							

	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 R	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	6.9	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

SGS North America Inc.

Report of Analysis

Client Sample ID:	FD-092321		
Lab Sample ID:	JD32185-3	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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 [a]	ND	5.0	0.80	ug/l	UJ
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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.79	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	103%		85-118%
17060-07-0	1,2-Dichloroethane-D4	93%		80-121%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	96%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	~~system artifact~~	~~4.14~~	~~14~~	~~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
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-76		
Lab Sample ID:	JD32185-4	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2C185969.D	1	10/07/21 04:40	TDN	n/a	n/a	V2C8286
Run #2							

	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 R	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	6.9	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-76		
Lab Sample ID:	JD32185-4	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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 [a]	ND	5.0	0.80	ug/l	UJ
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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.79	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	104%		85-118%
17060-07-0	1,2-Dichloroethane-D4	93%		80-121%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	96%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	~~system artifact~~	~~4.01~~	~~23~~	~~ug/l~~	~~J~~
	system artifact	4.14	30	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
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:	AR-MW-06		
Lab Sample ID:	JD32185-5	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2C185970.D	1	10/07/21 05:09	TDN	n/a	n/a	V2C8286
Run #2							

	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 R	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	6.9	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	49.4	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-06		
Lab Sample ID:	JD32185-5	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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 [a]	ND	5.0	0.80	ug/l	UJ
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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	4.0	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	1.7	1.0	0.79	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%		85-118%
17060-07-0	1,2-Dichloroethane-D4	92%		80-121%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	96%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	4.14	28	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
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:	AR-MW-02		
Lab Sample ID:	JD32185-6	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2C185971.D	1	10/07/21 05:38	TDN	n/a	n/a	V2C8286
Run #2							

	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 R	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	6.9	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:	AR-MW-02		
Lab Sample ID:	JD32185-6	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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 [a]	ND	5.0	0.80	ug/l	UJ
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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.79	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	107%		85-118%
17060-07-0	1,2-Dichloroethane-D4	93%		80-121%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	97%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	~~system artifact~~	~~4.14~~	~~25~~	~~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
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:	AR-MW-02		
Lab Sample ID:	JD32185-6	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M175371.D	1	10/01/21 19:28	KLS	09/30/21 16:35	OP35668	EM7539
Run #2							

	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	67%		35-127%
321-60-8	2-Fluorobiphenyl	69%		35-121%
1718-51-0	Terphenyl-d14	57%		28-135%

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-45		
Lab Sample ID:	JD32185-7	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2C185972.D	1	10/07/21 06:07	TDN	n/a	n/a	V2C8286
Run #2							

	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 R	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	6.9	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	11.5	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	2.3	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-45		
Lab Sample ID:	JD32185-7	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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 [b]	ND	5.0	0.80	ug/l	UJ
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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	109	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	1.2	1.0	0.79	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%		85-118%
17060-07-0	1,2-Dichloroethane-D4	91%		80-121%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	95%		80-120%

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

(a) (pH = 4) Sample pH did not satisfy field preservation criteria.
(b) 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
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-50		
Lab Sample ID:	JD32185-8	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2C185973.D	1	10/07/21 06:36	TDN	n/a	n/a	V2C8286
Run #2							

	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 R	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	6.9	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-50		
Lab Sample ID:	JD32185-8	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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 [a]	ND	5.0	0.80	ug/l	UJ
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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.79	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	105%		85-118%
17060-07-0	1,2-Dichloroethane-D4	92%		80-121%
2037-26-5	Toluene-D8	93%		80-120%
460-00-4	4-Bromofluorobenzene	96%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	4.13	24	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
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-44		
Lab Sample ID:	JD32185-9	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2C185974.D	1	10/07/21 07:05	TDN	n/a	n/a	V2C8286
Run #2							

	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 R	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	6.9	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	0.65	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	0.81	1.0	0.51	ug/l	J
156-60-5	trans-1,2-Dichloroethene	0.61	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-44		
Lab Sample ID:	JD32185-9	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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 [a]	ND UJ	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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.70	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	5.2	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	0.79	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	107%		85-118%
17060-07-0	1,2-Dichloroethane-D4	92%		80-121%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	96%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	~~system artifact~~	~~4.14~~	~~23~~	~~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
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-44		
Lab Sample ID:	JD32185-9	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2471535.D	1	10/01/21 07:02	TC	09/30/21 18:30	OP35670	GXX7597
Run #2							

	Initial Volume	Final Volume
Run #1	300 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.33	0.13	ug/l	
11104-28-2	Aroclor 1221	ND	0.33	0.28	ug/l	
11141-16-5	Aroclor 1232	ND	0.33	0.17	ug/l	
53469-21-9	Aroclor 1242	ND	0.33	0.15	ug/l	
12672-29-6	Aroclor 1248	ND	0.33	0.084	ug/l	
11097-69-1	Aroclor 1254	ND	0.33	0.28	ug/l	
11096-82-5	Aroclor 1260	ND	0.33	0.10	ug/l	
11100-14-4	Aroclor 1268	ND	0.33	0.12	ug/l	
37324-23-5	Aroclor 1262	ND	0.33	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	132%		10-155%
877-09-8	Tetrachloro-m-xylene	135%		10-155%
2051-24-3	Decachlorobiphenyl	100%		10-151%
2051-24-3	Decachlorobiphenyl	108%		10-151%

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-44-F		
Lab Sample ID:	JD32185-9F	**Date Sampled:**	09/23/21
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/24/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2471536.D	1	10/01/21 07:20	TC	09/30/21 18:30	OP35670	GXX7597
Run #2							

	Initial Volume	Final Volume
Run #1	300 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.33	0.13	ug/l	
11104-28-2	Aroclor 1221	ND	0.33	0.28	ug/l	
11141-16-5	Aroclor 1232	ND	0.33	0.17	ug/l	
53469-21-9	Aroclor 1242	ND	0.33	0.15	ug/l	
12672-29-6	Aroclor 1248	ND	0.33	0.084	ug/l	
11097-69-1	Aroclor 1254	ND	0.33	0.28	ug/l	
11096-82-5	Aroclor 1260	ND	0.33	0.10	ug/l	
11100-14-4	Aroclor 1268	ND	0.33	0.12	ug/l	
37324-23-5	Aroclor 1262	ND	0.33	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%		10-155%
877-09-8	Tetrachloro-m-xylene	70%		10-155%
2051-24-3	Decachlorobiphenyl	83%		10-151%
2051-24-3	Decachlorobiphenyl	81%		10-151%

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-48		
Lab Sample ID:	JD32185-10	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2C185983.D	1	10/07/21 11:51	TDN	n/a	n/a	V2C8287
Run #2							

	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 R	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	6.9	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 [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	2.0	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	7.4	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-48		
Lab Sample ID:	JD32185-10	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	12.3	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride [a]	ND	1.0	0.79	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	106%		85-118%
17060-07-0	1,2-Dichloroethane-D4	93%		80-121%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	94%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	~~system artifact~~	~~4.13~~	~~25~~	~~ug/l~~	~~J~~
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

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-18		
Lab Sample ID:	JD32185-11	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2C185960.D	1	10/07/21 00:18	TDN	n/a	n/a	V2C8286
Run #2	2C185964.D	10	10/07/21 02:15	TDN	n/a	n/a	V2C8286
Run #3	2C185982.D	100	10/07/21 11:22	TDN	n/a	n/a	V2C8287

	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	ND R	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	6.9	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	28.1	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	20.1	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	3160 [a]	100	51	ug/l	
156-60-5	trans-1,2-Dichloroethene	32.3	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	

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-18		
Lab Sample ID:	JD32185-11	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate [b]	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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	441 [c]	10	5.3	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	781 [c]	J 10	7.9	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	Run# 3	Limits
1868-53-7	Dibromofluoromethane	108%	105%	106%	85-118%
17060-07-0	1,2-Dichloroethane-D4	94%	92%	93%	80-121%
2037-26-5	Toluene-D8	96%	93%	94%	80-120%
460-00-4	4-Bromofluorobenzene	96%	97%	97%	80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	~~system artifact~~	~~4.14~~	~~18~~	~~ug/l~~	~~J~~
	Total TIC, Volatile		0	ug/l	

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

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:	TR3-PW-01		
Lab Sample ID:	JD32185-12	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2C185959.D	250	10/06/21 23:49	TDN	n/a	n/a	V2C8286
Run #2	2C185963.D	2500	10/07/21 01:45	TDN	n/a	n/a	V2C8286

	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 R	2500	760	ug/l	
71-43-2	Benzene	ND	130	110	ug/l	
74-97-5	Bromochloromethane	ND	250	120	ug/l	
75-27-4	Bromodichloromethane	ND	250	110	ug/l	
75-25-2	Bromoform	ND	250	160	ug/l	
74-83-9	Bromomethane	ND	500	410	ug/l	
78-93-3	2-Butanone (MEK)	ND	2500	1700	ug/l	
75-15-0	Carbon disulfide	ND	500	110	ug/l	
56-23-5	Carbon tetrachloride	ND	250	140	ug/l	
108-90-7	Chlorobenzene	ND	250	140	ug/l	
75-00-3	Chloroethane	ND	250	180	ug/l	
67-66-3	Chloroform	236	250	130	ug/l	J
74-87-3	Chloromethane	ND	250	190	ug/l	
110-82-7	Cyclohexane	ND	1300	200	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	500	130	ug/l	
124-48-1	Dibromochloromethane	ND	250	140	ug/l	
106-93-4	1,2-Dibromoethane	ND	250	120	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	250	130	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	250	140	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	250	130	ug/l	
75-71-8	Dichlorodifluoromethane	ND	500	140	ug/l	
75-34-3	1,1-Dichloroethane	ND	250	140	ug/l	
107-06-2	1,2-Dichloroethane	ND	250	150	ug/l	
75-35-4	1,1-Dichloroethene	ND	250	150	ug/l	
156-59-2	cis-1,2-Dichloroethene	7940	250	130	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	250	130	ug/l	
78-87-5	1,2-Dichloropropane	ND	250	130	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	250	120	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	250	110	ug/l	
100-41-4	Ethylbenzene	ND	250	150	ug/l	
76-13-1	Freon 113	ND	1300	150	ug/l	
591-78-6	2-Hexanone	ND	1300	510	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		
Lab Sample ID:	JD32185-12	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	250	160	ug/l	
79-20-9	Methyl Acetate [b]	ND UJ	1300	200	ug/l	
108-87-2	Methylcyclohexane	ND	1300	150	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	250	130	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	1300	460	ug/l	
75-09-2	Methylene chloride	ND	500	250	ug/l	
100-42-5	Styrene	ND	250	120	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	250	160	ug/l	
127-18-4	Tetrachloroethene	ND	250	220	ug/l	
108-88-3	Toluene	ND	250	130	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	250	130	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	250	130	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	250	130	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	250	130	ug/l	
79-01-6	Trichloroethene	84700 [c]	2500	1300	ug/l	
75-69-4	Trichlorofluoromethane	ND	500	100	ug/l	
75-01-4	Vinyl chloride	206	250	200	ug/l	J
	m,p-Xylene	ND	250	200	ug/l	
95-47-6	o-Xylene	ND	250	150	ug/l	
1330-20-7	Xylene (total)	ND	250	150	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%	104%	85-118%
17060-07-0	1,2-Dichloroethane-D4	92%	90%	80-121%
2037-26-5	Toluene-D8	95%	93%	80-120%
460-00-4	4-Bromofluorobenzene	93%	95%	80-120%

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

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

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-57		
Lab Sample ID:	JD32185-13	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2C185965.D	1	10/07/21 02:44	TDN	n/a	n/a	V2C8286
Run #2 [a]	2A214107.D	10	10/18/21 17:50	BK	n/a	n/a	V2A9318

	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 UJ	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 R	10	6.9	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 UJ	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	93.5	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	0.75	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 UJ	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:	JD32185-13	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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 [b]	ND	5.0	0.80	ug/l	UJ
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	UJ
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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	1.4	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	324 [c]	10	7.9	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	105%	91%	85-118%
17060-07-0	1,2-Dichloroethane-D4	92%	84%	80-121%
2037-26-5	Toluene-D8	95%	100%	80-120%
460-00-4	4-Bromofluorobenzene	95%	93%	80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	4.13	17	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Sample analyzed outside the holding time.
(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) Result is from Run# 2

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:	TB-092321		
Lab Sample ID:	JD32185-14	**Date Sampled:**	09/23/21
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2C185957.D	1	10/06/21 22:51	TDN	n/a	n/a	V2C8286
Run #2							

	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 R	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	6.9	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:	TB-092321		
Lab Sample ID:	JD32185-14	**Date Sampled:**	09/23/21
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/24/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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 [a]	ND	5.0	0.80	ug/l	UJ
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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.79	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	104%		85-118%
17060-07-0	1,2-Dichloroethane-D4	93%		80-121%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	96%		80-120%

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
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

JD32246

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-14		
Lab Sample ID:	JD32246-1	**Date Sampled:**	09/24/21
Matrix:	AQ - Ground Water	**Date Received:**	09/25/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L333180.D	1	10/07/21 14:21	JS	n/a	n/a	VL10006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	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	6.9	ug/l	R
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-14		
Lab Sample ID:	JD32246-1	**Date Sampled:**	09/24/21
Matrix:	AQ - Ground Water	**Date Received:**	09/25/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.79	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	105%		85-118%
17060-07-0	1,2-Dichloroethane-D4	97%		80-121%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	97%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	~~system artifact~~	~~1.57~~	~~64~~	~~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
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-14		
Lab Sample ID:	JD32246-1	**Date Sampled:**	09/24/21
Matrix:	AQ - Ground Water	**Date Received:**	09/25/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F202419.D	1	10/01/21 15:04	KLS	09/30/21 11:40	OP35693	EF8865
Run #2							

	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	72%		35-127%
321-60-8	2-Fluorobiphenyl	71%		35-121%
1718-51-0	Terphenyl-d14	95%		28-135%

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-14D		
Lab Sample ID:	JD32246-2	**Date Sampled:**	09/24/21
Matrix:	AQ - Ground Water	**Date Received:**	09/25/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F202420.D	1	10/01/21 15:29	KLS	09/30/21 11:40	OP35693	EF8865
Run #2							

	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	77%		35-127%
321-60-8	2-Fluorobiphenyl	77%		35-121%
1718-51-0	Terphenyl-d14	88%		28-135%

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-092421-1		
Lab Sample ID:	JD32246-3	**Date Sampled:**	09/24/21
Matrix:	AQ - Equipment Blank	**Date Received:**	09/25/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L333179.D	1	10/07/21 14:00	JS	n/a	n/a	VL10006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result		RL	MDL	Units	Q
67-64-1	Acetone [a]	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	R	10	6.9	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-092421-1		
Lab Sample ID:	JD32246-3	**Date Sampled:**	09/24/21
Matrix:	AQ - Equipment Blank	**Date Received:**	09/25/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.79	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%		85-118%
17060-07-0	1,2-Dichloroethane-D4	99%		80-121%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	93%		80-120%

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
RL = Reporting Limit
E = Indicates value exceeds calibration range
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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-79		
Lab Sample ID:	JD32246-4	**Date Sampled:**	09/24/21
Matrix:	AQ - Ground Water	**Date Received:**	09/25/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L333181.D	1	10/07/21 14:43	JS	n/a	n/a	VL10006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	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	6.9	ug/l	R
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-79		
Lab Sample ID:	JD32246-4	**Date Sampled:**	09/24/21
Matrix:	AQ - Ground Water	**Date Received:**	09/25/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.79	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	106%		85-118%
17060-07-0	1,2-Dichloroethane-D4	103%		80-121%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	96%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	~~system artifact~~	~~1.57~~	~~43~~	~~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
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

FD of MW-79

SGS North America Inc.

Report of Analysis

Client Sample ID:	FD-092421		
Lab Sample ID:	JD32246-5	**Date Sampled:**	09/24/21
Matrix:	AQ - Ground Water	**Date Received:**	09/25/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L333182.D	1	10/07/21 15:04	JS	n/a	n/a	VL10006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	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	6.9	ug/l	R
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

SGS North America Inc.

Report of Analysis

Client Sample ID:	FD-092421		
Lab Sample ID:	JD32246-5	**Date Sampled:**	09/24/21
Matrix:	AQ - Ground Water	**Date Received:**	09/25/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.79	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	104%		85-118%
17060-07-0	1,2-Dichloroethane-D4	101%		80-121%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	94%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	~~system artifact~~	~~1.57~~	~~44~~	~~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
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:	TR3-MW-02		
Lab Sample ID:	JD32246-6	**Date Sampled:**	09/24/21
Matrix:	AQ - Ground Water	**Date Received:**	09/25/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L333183.D	1	10/07/21 15:25	JS	n/a	n/a	VL10006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	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	6.9	ug/l	R
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:	TR3-MW-02		
Lab Sample ID:	JD32246-6	**Date Sampled:**	09/24/21
Matrix:	AQ - Ground Water	**Date Received:**	09/25/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.79	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	104%		85-118%
17060-07-0	1,2-Dichloroethane-D4	100%		80-121%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	96%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	~~system artifact~~	~~1.57~~	~~51~~	~~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
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-66		
Lab Sample ID:	JD32246-7	**Date Sampled:**	09/24/21
Matrix:	AQ - Ground Water	**Date Received:**	09/25/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L333187.D	1	10/07/21 16:50	JS	n/a	n/a	VL10006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result		RL	MDL	Units	Q
67-64-1	Acetone [a]	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	R	10	6.9	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	0.76		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	0.65		1.0	0.59	ug/l	J
156-59-2	cis-1,2-Dichloroethene	198		1.0	0.51	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-66		
Lab Sample ID:	JD32246-7	**Date Sampled:**	09/24/21
Matrix:	AQ - Ground Water	**Date Received:**	09/25/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	11.6	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	3.4	1.0	0.79	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	106%		85-118%
17060-07-0	1,2-Dichloroethane-D4	98%		80-121%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	94%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	~~system artifact~~	~~1.56~~	~~38~~	~~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
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-58		
Lab Sample ID:	JD32246-8	**Date Sampled:**	09/24/21
Matrix:	AQ - Ground Water	**Date Received:**	09/25/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L333188.D	1	10/07/21 17:12	JS	n/a	n/a	VL10006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	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	6.9	ug/l	R
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	39.8	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:	JD32246-8	**Date Sampled:**	09/24/21
Matrix:	AQ - Ground Water	**Date Received:**	09/25/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	17.7	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	2.0	1.0	0.79	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	105%		85-118%
17060-07-0	1,2-Dichloroethane-D4	97%		80-121%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	94%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.57	31	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
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-092421-2		
Lab Sample ID:	JD32246-9	**Date Sampled:**	09/24/21
Matrix:	AQ - Equipment Blank	**Date Received:**	09/25/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L333190.D	1	10/07/21 17:54	JS	n/a	n/a	VL10006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result		RL	MDL	Units	Q
67-64-1	Acetone [a]	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	R	10	6.9	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-092421-2		
Lab Sample ID:	JD32246-9	**Date Sampled:**	09/24/21
Matrix:	AQ - Equipment Blank	**Date Received:**	09/25/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.79	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	104%		85-118%
17060-07-0	1,2-Dichloroethane-D4	98%		80-121%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	96%		80-120%

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
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:	TB-092421		
Lab Sample ID:	JD32246-10	**Date Sampled:**	09/24/21
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/25/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L333191.D	1	10/07/21 18:15	JS	n/a	n/a	VL10006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result		RL	MDL	Units	Q
67-64-1	Acetone [a]	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	R	10	6.9	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:	TB-092421		
Lab Sample ID:	JD32246-10	**Date Sampled:**	09/24/21
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/25/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY		

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	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.79	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	103%		85-118%
17060-07-0	1,2-Dichloroethane-D4	100%		80-121%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	95%		80-120%

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
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

ATTACHMENT B

SUPPORT DOCUMENTATION

JD32169

GW FB TB

BW-091321-59 FED 1Z#: 9251 0906 3080

JD32169

CHAIN OF CUSTODY RECORD

AECOM

PROJECT NO. 60649701

SITE NAME Carrier - Thompson Rd

LAB SGS

COOLER 1,2+3 of 3

PAGE 1 of 3

SAMPLERS (PRINT/SIGNATURE) Tom Urban/Tom Urban // Rob Murphy/Rob Murphy

DELIVERY SERVICE: Fed Ex AIRBILL NO.:

	LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	40 mL vial HCl	1 Liter Amber	V8260 TCL 20+ VOCs	8270 1,4-Dioxane	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
1	MW-03D	9/21/21	1504	Grab	MW-03D	WG	5	3	2				N	-	-	-
	MW-03D	9/21/21	1504	Grab	MW-03D-MS	WQ	5	3	2			Matrix Spike	MS	-	-	-
	MW-03D	9/21/21	1504	Grab	MW-03D-MSD	WQ	5	3	2			Matrix Spike duplicate	SD	-	-	-
2	MW-03S	9/21/21	1505	Grab	MW-03S	WG	5	3	2				N	-	-	-
3	FD-1	9/21/21	—	Grab	FD-092121	WQ	5	3	2			Field Duplicate	FD	-	-	-
4	MW-69	9/21/21	1635	Grab	MW-69	WG	3	3					N	-	-	-
5	MW-09	9/21/21	1636	Grab	MW-09	WG	3	3					N	-	-	-
6	MW-75	9/21/21	1735	Grab	MW-75	WG	3	3					N	-	-	-
7	MW-84	9/21/21	1748	Grab	MW-84	WG	3	3					N	-	-	-
8	MW-17	9/22/21	0920	Grab	MW-17	WG	5	3	2				N	-	-	-
9	MW-71	9/22/21	0925	Grab	MW-71	WG	5	3	2				N	-	-	-
10	MW-10	9/22/21	1030	Grab	MW-10	WG	5	3	2				N	-	-	-
11	MW-85	9/22/21	1055	Grab	MW-85	WG	3	3					N	-	-	-

E74 V388

AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Tom Urban	9/22/21	1830	FED	9/22/21	1842
FED	9.22.21	16:42	BB		

SPECIAL INSTRUCTIONS

Temperature Ti = 3B

Label Verification

Distribution: Original accompanies shipment, copy to coordinator field files

4.1, 3.8, 2.9:

5.1 5

JD32169: Chain of Custody
Page 1 of 4

JD32169

CHAIN OF CUSTODY RECORD

AECOM

PROJECT NO. 60649701 | SITE NAME Carrier - Thompson Rd

SAMPLERS (PRINT/SIGNATURE) Tom Urban/Tom Urban // Rob Murphy/Rob Murphy

LAB SGS

COOLER 1,2&3 of 3

PAGE 2 of 3

DELIVERY SERVICE: FED EX AIRBILL NO.:

	LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	40 mL vial HCl	300 mL Amber	300 mL Amber					REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
12	MW-19	9/22/21	1130	Grab	MW-19	WG	5	3	2		•					N	–	–	–
DUP 13	MW-19-F	9/22/21	1130	Grab	MW-19-F	WG	2			2	•					N	–	–	–
13 14	FD-1	9/22/21	–	Grab	FD-092221	WQ	2		2		•				Field Dup	FD	–	–	–
13F 15	FD-1-F	9/22/21	–	Grab	FD-092221-F	WQ	2			2	•				Field Dup	FD	–	–	–
4 16	MW-23	9/22/21	1206	Grab	MW-23	WG	5	3	2		•					N	–	–	–
4F 17	MW-23F	9/22/21	1206	Grab	MW-23-F	WG	2			2	•					N	–	–	–
5 18	MW-38	9/22/21	1420	Grab	MW-38	WG	5	3	2		•					N	–	–	–
15F	MW-38-F	9/22/21	1420	Grab	MW-38-F	WG	2			2	•					N	–	–	–
16	MW-26	9/22/21	1425	Grab	MW-26	WG	5	3	2		•					N	–	–	–
16F	MW-26-F	9/22/21	1425	Grab	MW-26-F	WG	2			2	•					N	–	–	–
16	MW-26-MS	9/22/21	1425	Grab	MW-26-MS	WQ	2		2		•				matrix spike	MS	–	–	–
16F	MW-26-MS-F	9/22/21	1425	Grab	MW-26-MS-F	WQ	2			2	•				matrix spike	MS	–	–	–
16	MW-26-MSD	9/22/21	1425	Grab	MW-26-MSD	WQ	2		2		•				matrix spike duplicate	SD	–	–	–

AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Tom Urban	9/22/21	1830			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS

• 2 x 250 mL

Distribution: Original accompanies shipment, copy to coordinator field files

5.1 5

JD32169: Chain of Custody
Page 2 of 4

JD32169

CHAIN OF CUSTODY RECORD

AECOM

PROJECT NO. 66649701 | SITE NAME Carrier-Thompson Rd

SAMPLERS (PRINT/SIGNATURE) Tom Urban/Tom Urban // Rob Murphy/Rob Murphy

LAB 565 | COOLER 1,2+3 of 3 | PAGE 3 of 3

DELIVERY SERVICE: FedEx AIRBILL NO.:

	LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	40mL VOA (8260 TCL 2nd VOCs)	300mL Amber (8082 PCB)	500mL Amber (8270 Field Filtered)	1 Liter Amber (8270 1,4-Dioxane)				REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
16F	MW-26-MSD-F	9/22/21	1425	Grab	MW-26-MSD-F	WQ	2			2		•			matrix spike duplicate	SD1	–	–	–
17	MW-21	9/22/21	1530	Grab	MW-21	WG	3	3								N1	–	–	–
18	MW-70	9/22/21	1544	Grab	MW-70	WG	5	3			2	€				N1	–	–	–
19	EB-1	9/22/21	1650	Grab	EB-092221	WQ	6	2	2		2	•			Equipment Blank	RB1	–	–	–
19F	EB-1-F	9/22/21	1650	Grab	EB-092221-F	WQ	2			2		•			Equipment Blank	RB1	–	–	–
20	TB-1	9/21/21 9/22/21	–	Grab	TB-0921-2221	WQ	2	2							Trip Blank	TB1	–	–	–

AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Tom Urban	9/23/21	1830			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS
• 2 x 250 mL

Distribution: Original accompanies shipment, copy to coordinator field files

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Carrier **Job No** JD32169

Site: AECOMNYB: Carrier, Thompson Road, Syracuse, NY **Report Date** 10/7/2021 1:58:55 PM

On 09/23/2021, 25 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 3.2 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD32169 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:** V2A9302

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD32169-1MS, JD32169-1MSD were used as the QC samples indicated.
- JD32169-1 for Chloroethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD32169-2 for Chloroethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD32169-6 for Acetone: This compound in blank spike is outside in house QC limits bias high.
- JD32169-6 for Chloroethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD32169-5 for Acetone: This compound in blank spike is outside in house QC limits bias high.
- JD32169-5 for Chloroethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD32169-3 for Acetone: This compound in blank spike is outside in house QC limits bias high.
- JD32169-1 for Acetone: This compound in blank spike is outside in house QC limits bias high.
- V2A9302-BS for Acetone: High percent recovery and no associated positive reported in the QC batch.
- JD32169-3 for Chloroethane: 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:** V2A9303

- Sample(s) JD32169-14MS, JD32169-14MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for cis-1,2-Dichloroethene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JD32169-4: Sample analyzed outside the holding time.
- JD32169-7: Sample analyzed outside the holding time.
- JD32169-14: Dilution required due to high concentration of target compound.
- JD32169-14 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD32169-11 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD32169-17 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD32169-16 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD32169-15 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD32169-12 for Bromoform: Associated CCV outside of control limits high, sample was ND.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V2A9303

- JD32169-8 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD32169-19 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD32169-18 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD32169-20 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD32169-10 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD32169-9 for Bromoform: Associated CCV outside of control limits high, sample was ND.

Matrix: AQ **Batch ID:** V2V3356

- Sample(s) JD31923-2MS, JD31923-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD32169-3: Sample analyzed outside the holding time.
- JD32169-5: Sample analyzed outside the holding time.

MS Semi-volatiles By Method SW846 8270E

Matrix: AQ **Batch ID:** OP35661

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD32139-3MS, JD32139-3MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** OP35667

- All samples were extracted within the recommended method holding time.
- Sample(s) JD32169-1MS, JD32169-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

GC/LC Semi-volatiles By Method SW846 8082A

Matrix: AQ **Batch ID:** OP35670

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD32169-16FMS, JD32169-16FMSD, JD32169-16MS, JD32169-16MSD, OP35670-MS1MSD, OP35670-MSMSD were used as the QC samples indicated.

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: JD32169
Account: CARRIER Carrier
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Sample:	V2A9303-BFB	**Injection Date:**	10/05/21
Lab File ID:	2A213732.D	**Injection Time:**	22:35
Instrument ID:	GCMS2A		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	24000	19.5		Pass
75	30.0 - 60.0% of mass 95	62373	50.8		Pass
95	Base peak, 100% relative abundance	122890	100.0		Pass
96	5.0 - 9.0% of mass 95	8528	6.94		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	102434	83.4		Pass
175	5.0 - 9.0% of mass 174	8318	6.77	(8.12) [a]	Pass
176	95.0 - 101.0% of mass 174	98354	80.0	(96.0) [a]	Pass
177	5.0 - 9.0% of mass 176	6941	5.65	(7.06) [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
V2A9303-CC9162	2A213732.D	10/05/21	22:35	00:00	Continuing cal 50
V2A9303-BS	2A213734.D	10/05/21	23:32	00:57	Blank Spike
V2A9303-MB	2A213736.D	10/06/21	00:30	01:55	Method Blank
JD32169-4	2A213737.D	10/06/21	00:58	02:23	MW-69
JD32169-14	2A213738.D	10/06/21	01:26	02:51	MW-23
JD32169-14	2A213739.D	10/06/21	01:55	03:20	MW-23
JD32169-14MS	2A213740.D	10/06/21	02:23	03:48	Matrix Spike
JD32169-14MSD	2A213741.D	10/06/21	02:51	04:16	Matrix Spike Duplicate
JD32169-4	2A213742.D	10/06/21	03:19	04:44	MW-69
JD32169-19	2A213743.D	10/06/21	03:47	05:12	EB-092221
JD32169-20	2A213744.D	10/06/21	04:15	05:40	TB-0921-2221
JD32169-7	2A213745.D	10/06/21	04:43	06:08	MW-84
JD32169-8	2A213746.D	10/06/21	05:12	06:37	MW-17
JD32169-9	2A213747.D	10/06/21	05:40	07:05	MW-71
JD32169-10	2A213748.D	10/06/21	06:09	07:34	MW-10
JD32169-11	2A213749.D	10/06/21	06:37	08:02	MW-85
JD32169-12	2A213750.D	10/06/21	07:05	08:30	MW-19
JD32169-15	2A213751.D	10/06/21	07:34	08:59	MW-38
JD32169-16	2A213752.D	10/06/21	08:02	09:27	MW-26
JD32169-17	2A213753.D	10/06/21	08:31	09:56	MW-21
JD32169-18	2A213754.D	10/06/21	08:59	10:24	MW-70

Continuing Calibration Summary

Job Number: JD32169 **Sample:** V2A9303-CC9162
Account: CARRIER Carrier **Lab FileID:** 2A213732.D
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\ni...21\v2a9303\2a213732.d Vial: 1
Acq On : 5 Oct 2021 10:35 pm Operator: brittank
Sample : cc9162-50 Inst : GCMS2A
Misc : MS53948,V2A9303,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2A9162.M (RTE Integrator)
Title : Method SW846 8260D, ZB624.1 60m x 0.25mm xFri May Tue Jul 20 18:50:02 2021
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	131	0.01	7.30
2	ethanol	0.101	0.073	27.7#	85	0.00	6.03
3	tertiary butyl alcohol	1.406	1.293	8.0	111	0.01	7.41
4	1,4-dioxane	0.094	0.081	13.8	96	0.00	11.13
5 I	pentafluorobenzene	1.000	1.000	0.0	120	0.00	9.55
6	chlorodifluoromethane	0.695	0.512	26.3#	76	-0.02	4.03
7	dichlorodifluoromethane	0.839	0.870	-3.7	103	-0.02	3.99
8	chloromethane	0.951	0.847	10.9	94	0.00	4.39
9	vinyl chloride	0.847	0.773	8.7	91	-0.01	4.61
10	1,3-butadiene	0.651	0.503	22.7#	78	0.00	4.66
11	bromomethane	0.549	0.506	7.8	96	0.01	5.24
12	chloroethane	0.444	0.398	10.4	94	0.00	5.40
13	trichlorofluoromethane	0.899	1.004	-11.7	110	-0.04	5.82
14	ethyl ether	0.344	0.299	13.1	92	0.01	6.24
15	acrolein	0.171	0.129	24.6#	79	0.02	6.46
16	freon 113	0.419	0.361	13.8	87	0.00	6.64
17	1,1-dichloroethene	0.462	0.420	9.1	93	0.00	6.64
18	acetone	0.293	0.257	12.3	99	0.00	6.65
19	acetonitrile	0.114	0.093	18.4	87	0.00	7.07
20	iodomethane	0.897	0.803	10.5	94	0.00	6.89
21	carbon disulfide	1.744	1.401	19.7	84	0.00	7.03
22	methylene chloride	0.585	0.537	8.2	98	0.00	7.34
23	methyl acetate	0.714	0.666	6.7	99	0.01	7.11
24	methyl tert butyl ether	1.864	1.760	5.6	102	0.00	7.70
25	trans-1,2-dichloroethene	0.523	0.493	5.7	98	0.00	7.73
26	hexane	0.921	0.791	14.1	87	0.00	8.08
27	di-isopropyl ether	2.106	1.877	10.9	95	0.00	8.30
28	ethyl tert-butyl ether	2.068	1.747	15.5	92	0.00	8.75
29	2-butanone	0.098	0.093	5.1	99	0.00	8.95
30	1,1-dichloroethane	0.996	0.972	2.4	103	0.00	8.30
31	chloroprene	0.825	0.849	-2.9	108	0.00	8.40
32	acrylonitrile	0.312	0.301	3.5	105	0.00	7.64
33	vinyl acetate	0.135	0.101	25.2#	80	0.00	8.24
34	ethyl acetate	0.136	0.130	4.4	100	0.00	8.97
35	2,2-dichloropropane	0.783	0.789	-0.8	107	0.00	9.04
36	cis-1,2-dichloroethene	0.591	0.568	3.9	102	0.00	9.01
37	propionitrile	0.129	0.119	7.8	99	0.00	9.03
38	bromochloromethane	0.400	0.391	2.3	105	0.00	9.31
39	tetrahydrofuran	0.284	0.266	6.3	102	0.00	9.33
40	chloroform	1.040	1.052	-1.2	112	0.00	9.39

Instrument Performance Check (BFB)

Job Number: JD32169
Account: CARRIER Carrier
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Sample:	V2V3356-BFB	**Injection Date:**	10/06/21
Lab File ID:	2V81384.D	**Injection Time:**	10:07
Instrument ID:	GCMS2V		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	6945	19.5		Pass
75	30.0 - 60.0% of mass 95	17673	49.7		Pass
95	Base peak, 100% relative abundance	35573	100.0		Pass
96	5.0 - 9.0% of mass 95	2323	6.53		Pass
173	Less than 2.0% of mass 174	452	1.27	(1.43) [a]	Pass
174	50.0 - 120.0% of mass 95	31584	88.8		Pass
175	5.0 - 9.0% of mass 174	2466	6.93	(7.81) [a]	Pass
176	95.0 - 101.0% of mass 174	30877	86.8	(97.8) [a]	Pass
177	5.0 - 9.0% of mass 176	1955	5.50	(6.33) [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
V2V3356-CC3279	2V81384.D	10/06/21	10:07	00:00	Continuing cal 20
V2V3356-BS	2V81386.D	10/06/21	11:10	01:03	Blank Spike
V2V3356-MB	2V81388.D	10/06/21	12:02	01:55	Method Blank
JD32169-5	2V81389.D	10/06/21	12:28	02:21	MW-09
ZZZZZZ	2V81390.D	10/06/21	12:54	02:47	(unrelated sample)
ZZZZZZ	2V81391.D	10/06/21	13:20	03:13	(unrelated sample)
ZZZZZZ	2V81392.D	10/06/21	13:46	03:39	(unrelated sample)
ZZZZZZ	2V81393.D	10/06/21	14:12	04:05	(unrelated sample)
ZZZZZZ	2V81394.D	10/06/21	14:38	04:31	(unrelated sample)
JD31923-2	2V81395.D	10/06/21	15:03	04:56	(used for QC only; not part of job JD32169)
ZZZZZZ	2V81396.D	10/06/21	15:29	05:22	(unrelated sample)
JD31923-2	2V81397.D	10/06/21	15:55	05:48	(used for QC only; not part of job JD32169)
ZZZZZZ	2V81398.D	10/06/21	16:21	06:14	(unrelated sample)
JD31923-2MS	2V81399.D	10/06/21	16:47	06:40	Matrix Spike
JD31923-2MSD	2V81400.D	10/06/21	17:13	07:06	Matrix Spike Duplicate
ZZZZZZ	2V81401.D	10/06/21	17:40	07:33	(unrelated sample)
JD32169-3	2V81402.D	10/06/21	18:05	07:58	FD-092121
ZZZZZZ	2V81403.D	10/06/21	18:31	08:24	(unrelated sample)
ZZZZZZ	2V81404.D	10/06/21	18:57	08:50	(unrelated sample)
ZZZZZZ	2V81405.D	10/06/21	19:23	09:16	(unrelated sample)
ZZZZZZ	2V81406.D	10/06/21	19:49	09:42	(unrelated sample)
ZZZZZZ	2V81407.D	10/06/21	20:15	10:08	(unrelated sample)
ZZZZZZ	2V81408.D	10/06/21	20:41	10:34	(unrelated sample)
ZZZZZZ	2V81409.D	10/06/21	21:07	11:00	(unrelated sample)

Continuing Calibration Summary

Job Number: JD32169 **Sample:** V2V3356-CC3279
Account: CARRIER Carrier **Lab FileID:** 2V81384.D
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\kr...021\v2v3356\2v81384.d Vial: 3
Acq On : 6 Oct 2021 10:07 am Operator: jons2
Sample : cc3279-20 Inst : MS2V
Misc : MS53869,V2V3356,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2V3279.M (RTE Integrator)
Title : SW 846 Method 8260C/D, Rxi-624 (30m x 0.25mm x 1.4um)
Last Update : Tue Aug 10 16:13:58 2021
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	88	0.00	2.64
2		ethanol	0.148	0.174	-17.6	98	0.00	2.11
3		tertiary butyl alcohol	1.956	1.742	10.9	74	0.00	2.69
4		1,4-dioxane	0.156	0.153	1.9	84	0.00	4.76
5	I	pentafluorobenzene	1.000	1.000	0.0	99	0.00	3.79
6		chlorodifluoromethane	0.659	0.537	18.5	84	0.00	1.38
7		dichlorodifluoromethane	0.919	0.839	8.7	91	0.00	1.37
8		chloromethane	0.258	0.294	-14.0	113	0.00	1.50
9		vinyl chloride	0.875	0.976	-11.5	110	0.00	1.57
10		bromomethane	0.401	0.394	1.7	93	0.00	1.79
11		chloroethane	0.550	0.620	-12.7	121	0.00	1.86
12		trichlorofluoromethane	1.182	0.991	16.2	84	0.00	2.02
13		1,3-butadiene	0.659	0.660	-0.2	102	0.00	1.60
14		ethyl ether	0.323	0.285	11.8	87	0.00	2.19
15		acrolein	0.111	0.117	-5.4	103	0.00	2.28
16		freon 113	0.569	0.383	32.7#	68	0.00	2.35
17		1,1-dichloroethene	0.856	0.742	13.3	87	0.00	2.35
18		acetone	0.307	0.234	23.8#	75	0.00	2.36
19		acetonitrile	0.096	0.102	-6.2	104	0.00	2.54
20		iodomethane	0.247	0.109	55.9#	81	0.00	2.45
21		carbon disulfide	1.597	1.282	19.7	83	0.00	2.51
22		methylene chloride	0.675	0.543	19.6	85	0.00	2.66
23		methyl acetate	0.594	0.610	-2.7	100	0.00	2.55
24		methyl tert butyl ether	1.783	1.522	14.6	85	0.00	2.81
25		trans-1,2-dichloroethene	0.615	0.492	20.0	81	0.00	2.83
26		hexane	0.428	0.373	12.9	89	0.00	3.00
27		di-isopropyl ether	1.889	1.834	2.9	96	0.00	3.11
28		ethyl tert-butyl ether	1.922	1.494	22.3#	77	0.00	3.34
29		1,1-dichloroethane	1.090	1.000	8.3	91	0.00	3.10
30		chloroprene	0.877	0.752	14.3	86	0.00	3.16
31		acrylonitrile	0.267	0.260	2.6	96	0.00	2.79
32		vinyl acetate	0.129	0.123	4.7	102	0.00	3.09
33		ethyl acetate	0.124	0.128	-3.2	102	0.00	3.46
34		2-butanone	0.103	0.091	11.7	85	0.00	3.45
35		2,2-dichloropropane	0.978	0.794	18.8	83	0.00	3.48
36		cis-1,2-dichloroethene	0.701	0.578	17.5	84	0.00	3.47
37		propionitrile	0.117	0.118	-0.9	98	0.00	3.49
38		methyl acrylate	0.130	0.119	8.5	91	0.00	3.51
39		bromochloromethane	0.358	0.301	15.9	81	0.00	3.63
40		tetrahydrofuran	0.121	0.100	17.4	85	0.00	3.64
41		chloroform	1.242	1.008	18.8	85	0.00	3.69

Job Number: JD32169 **Sample:** V2V3356-CC3279
Account: CARRIER Carrier **Lab FileID:** 2V81384.D
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

42	S	dibromofluoromethane (s)	0.550	0.508	7.6	91	0.00	3.79
43		methacrylonitrile	0.309	0.287	7.1	92	0.00	3.60
44		1,1,1-trichloroethane	1.043	0.844	19.1	80	0.00	3.82
45		cyclohexane	0.916	0.796	13.1	83	0.00	3.88
46		1,1-dichloropropene	0.857	0.737	14.0	84	0.00	3.93
47		carbon tetrachloride	0.916	0.721	21.3#	77	0.00	3.93
48		isobutyl alcohol	0.025	0.026	-4.0	96	0.00	3.94
49		tert-amyl alcohol	0.038	0.041	-7.9	101	0.00	4.03
50	I	1,4-difluorobenzene	1.000	1.000	0.0	92	0.00	4.34
51	S	1,2-dichloroethane-d4 (s)	0.312	0.331	-6.1	100	0.00	4.04
52		n-butyl alcohol	0.017	0.018	-5.9	91	0.00	4.41
53		benzene	1.458	1.385	5.0	87	0.00	4.07
54		tert-amyl methyl ether	1.225	1.000	18.4	76	0.00	4.14
55		iso-octane	1.118	0.781	30.1#	65	0.00	4.14
56		heptane	0.211	0.201	4.7	87	0.00	4.25
57		isopropyl acetate	0.104	0.100	3.8	85	0.00	4.06
58		1,2-dichloroethane	0.534	0.520	2.6	91	0.00	4.09
59		trichloroethene	0.402	0.355	11.7	82	0.00	4.52
60		ethyl acrylate	0.563	0.587	-4.3	92	0.00	4.55
61		2-nitropropane	0.128	0.121	5.5	88	0.00	5.06
62		2-chloroethyl vinyl ether	0.263	0.206	21.7#	71	0.00	5.11
63		methyl methacrylate	0.124	0.112	9.7	80	0.00	4.73
64		1,2-dichloropropane	0.373	0.381	-2.1	93	0.00	4.71
65		methylcyclohexane	0.637	0.542	14.9	78	0.00	4.71
66		dibromomethane	0.268	0.254	5.2	85	0.00	4.78
67		bromodichloromethane	0.519	0.488	6.0	86	0.00	4.90
68		epichlorohydrin	0.044	0.045	-2.3	92	0.00	5.15
69		cis-1,3-dichloropropene	0.584	0.575	1.5	90	0.00	5.24
70		4-methyl-2-pentanone	0.185	0.200	-8.1	96	0.00	5.34
71		3-methyl-1-butanol	0.016	0.016	0.0	86	0.00	5.37
72	I	chlorobenzene-d5	1.000	1.000	0.0	93	0.00	6.69
73	S	toluene-d8 (s)	1.325	1.361	-2.7	95	0.00	5.46
74		toluene	1.061	0.977	7.9	83	0.00	5.51
75		ethyl methacrylate	0.643	0.596	7.3	86	0.00	5.72
76		trans-1,3-dichloropropene	0.610	0.595	2.5	89	0.00	5.69
77		1,1,2-trichloroethane	0.357	0.350	2.0	91	0.00	5.86
78		2-hexanone	0.224	0.238	-6.2	93	0.00	6.03
79		tetrachloroethene	0.422	0.357	15.4	78	0.00	5.95
80		1,3-dichloropropane	0.669	0.661	1.2	91	0.00	6.00
81		butyl acetate	0.351	0.360	-2.6	94	0.00	6.12
82		dibromochloromethane	0.513	0.454	11.5	81	0.00	6.18
83		1,2-dibromoethane	0.457	0.433	5.3	85	0.00	6.29
84		n-butyl ether	1.750	1.689	3.5	90	0.00	6.79
85		chlorobenzene	1.218	1.075	11.7	82	0.00	6.72
86		1,1,1,2-tetrachloroethane	0.467	0.411	12.0	80	0.00	6.79
87		ethylbenzene	2.044	1.859	9.1	84	0.00	6.80
88		m,p-xylene	0.772	0.682	11.7	80	0.00	6.91
89		o-xylene	1.573	1.428	9.2	83	0.00	7.27
90		styrene	1.260	1.112	11.7	80	0.00	7.28
91		butyl acrylate	0.409	0.402	1.7	89	0.00	7.21
92		n-amyl acetate	0.341	0.338	0.9	88	0.00	7.41
93		bromoform	0.392	0.333	15.1	78	0.00	7.45
94		isopropylbenzene	1.921	1.669	13.1	78	0.00	7.61
95		cis-1,4-dichloro-2-butene	0.174	0.171	1.7	92	0.00	7.65
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	94	0.00	8.88
97	S	4-bromofluorobenzene (s)	0.988	0.986	0.2	95	0.00	7.77
98		bromobenzene	1.160	0.997	14.1	78	0.00	7.91

JD32185

GW
TB

BW-091321-SG

JD32185

CHAIN OF CUSTODY RECORD

AECOM

PROJECT NO. 60649701

SITE NAME Carrier - Thompson Rd

LAB SGS

COOLER 1 of 1

PAGE 1 of 2

SAMPLERS (PRINT/SIGNATURE) Tom Urban/Tom Urban // Rob Murray/Rob Murray

DELIVERY SERVICE: Fed Ex AIRBILL NO.: 9251 0906 3551

	LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	VOA 40mL vial HCl	1 Liter Amber	500mL Amber	250mL Amber				REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
1	DP-MW-04	9/23/21	0825	Grab	DP-MW-04	WG	5	3	2							N	-	-	-
2	MW-77	9/23/21	0832	Grab	MW-77	WG	3	3								N	-	-	-
3	FD-1	9/23/21	-	Grab	FD-092321	WQ	3	3							Field Dup	FD	-	-	-
4	MW-76	9/23/21	0925	Grab	MW-76	WG	3	3								N	-	-	-
5	AR-MW-06	9/23/21	0940	Grab	AR-MW-06	WG	3	3								N	-	-	-
6	AR-MW-02	9/23/21	1015	Grab	AR-MW-02	WG	5	3	2							N	-	-	-
7	MW-45	9/23/21	1100	Grab	MW-45	WG	3	3								N	-	-	-
8	MW-50	9/23/21	1159	Grab	MW-50	WG	3	3								N	-	-	-
9	MW-44	9/23/21	1200	Grab	MW-44	WG	5	3		2						N	-	-	-
9R	MW-44-F	9/23/21	1200	Grab	MW-44-F	WG	2				2					N	-	-	-
10	MW-48	9/23/21	1420	Grab	MW-48	WG	3	3								N	-	-	-
11	MW-18	9/23/21	1530	Grab	MW-18	WG	3	3								N	-	-	-
12	TR3-PW-01	9/23/21	1444	Grab	TR3-PW-01	WG	3	3								N	-	-	-

VOA 8260 TCL+20t VOCs; 8270 1,4-Dioxane; PCB82 PCB11; PSC82 PCB Field

E447
U393

AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	SPECIAL INSTRUCTIONS
Tom Urban	9/23/21	1800	FedEx			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME	
FedEx	9/24	10:00	[illegible]			

Distribution: Original accompanies shipment, copy to coordinator field files

Initial Assessment 2A-CK

Label Verification

4.2

5.1 5

JD32185: Chain of Custody
Page 1 of 3

JD32185

CHAIN OF CUSTODY RECORD

AECOM

PROJECT NO. 60649701 | SITE NAME Carrier - Thompson Rd

SAMPLERS (PRINT/SIGNATURE) Tom Urban / Tom Urban // Rob Murphy / Rob Murphy

DELIVERY SERVICE: Fedex AIRBILL NO.: 9251 0906 3551

LAB SGS

COOLER 1 of 1

PAGE 2 of 2

	LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	40mL vial HCl	VOA 8260 FL 20+ VOCs	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
13	MW-57	9/23/21	1608	Grab	MW-57	WG	3	3			N	-	-	-
14	TB-1	9/23/21	-	Grab	TB-092321	WQ	2	2		Trip Blank	TB	-	-	-

AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

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RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	SPECIAL INSTRUCTIONS
Tom Urban	9/23/21	1800				
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME	

Distribution: Original accompanies shipment, copy to coordinator field files

5.1 5

JD32185: Chain of Custody
Page 2 of 3

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Carrier **Job No** JD32185

Site: AECOMNYB: Carrier, Thompson Road, Syracuse, NY **Report Date** 10/19/2021 2:42:21 P

On 09/24/2021, 14 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 3.3 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD32185 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:** V2A9318

- All method blanks for this batch meet method specific criteria.
- Sample(s) JD33243-2MS, JD33243-2MSD were used as the QC samples indicated.
- JD32185-13: Sample analyzed outside the holding time.

Matrix: AQ **Batch ID:** V2C8286

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD32185-10MS, JD32185-10MSD were used as the QC samples indicated.
- JD32185-7: (pH=4) Sample pH did not satisfy field preservation criteria.
- JD32185-12: Dilution required due to high concentration of target compound.
- JD32185-7 for Methyl Acetate: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD32185-12 for Methyl Acetate: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD32185-6 for Methyl Acetate: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD32185-3 for Methyl Acetate: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD32185-8 for Methyl Acetate: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD32185-11 for Methyl Acetate: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD32185-9 for Methyl Acetate: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD32185-14 for Methyl Acetate: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD32185-4 for Methyl Acetate: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD32185-13 for Methyl Acetate: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD32185-1 for Methyl Acetate: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD32185-2 for Methyl Acetate: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD32185-5 for Methyl Acetate: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V2C8287

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD32237-19MS, JD32237-19MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD32185-10 for Bromomethane: Associated CCV outside of control limits high, sample was ND.
- JD32185-10 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD32185-10 for Vinyl chloride: Associated CCV outside of control limits high, sample was ND.

MS Semi-volatiles By Method SW846 8270E

Matrix: AQ **Batch ID:** OP35668

- 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:** OP35670

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD32169-16MS, JD32169-16MSD, OP35670-MSMSD were used as the QC samples indicated.

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: JD32185
Account: CARRIER Carrier
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Sample:	V2A9318-BFB	**Injection Date:**	10/18/21
Lab File ID:	2A214093.D	**Injection Time:**	10:33
Instrument ID:	GCMS2A		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	23763	18.9		Pass
75	30.0 - 60.0% of mass 95	58565	46.6		Pass
95	Base peak, 100% relative abundance	125560	100.0		Pass
96	5.0 - 9.0% of mass 95	8606	6.85		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	108893	86.7		Pass
175	5.0 - 9.0% of mass 174	9223	7.35	(8.47) [a]	Pass
176	95.0 - 101.0% of mass 174	106104	84.5	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	7437	5.92	(7.01) [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
V2A9318-CC9162	2A214093.D	10/18/21	10:33	00:00	Continuing cal 20
V2A9318-BS	2A214097.D	10/18/21	12:58	02:25	Blank Spike
V2A9318-MB	2A214099.D	10/18/21	13:57	03:24	Method Blank
ZZZZZZ	2A214100.D	10/18/21	14:26	03:53	(unrelated sample)
ZZZZZZ	2A214101.D	10/18/21	14:55	04:22	(unrelated sample)
ZZZZZZ	2A214102.D	10/18/21	15:25	04:52	(unrelated sample)
JD33243-2	2A214103.D	10/18/21	15:54	05:21	(used for QC only; not part of job JD32185)
ZZZZZZ	2A214104.D	10/18/21	16:23	05:50	(unrelated sample)
JD33243-2MS	2A214105.D	10/18/21	16:52	06:19	Matrix Spike
JD33243-2MSD	2A214106.D	10/18/21	17:21	06:48	Matrix Spike Duplicate
JD32185-13	2A214107.D	10/18/21	17:50	07:17	MW-57
ZZZZZZ	2A214108.D	10/18/21	18:20	07:47	(unrelated sample)
ZZZZZZ	2A214109.D	10/18/21	18:49	08:16	(unrelated sample)
ZZZZZZ	2A214110.D	10/18/21	19:18	08:45	(unrelated sample)
ZZZZZZ	2A214111.D	10/18/21	19:47	09:14	(unrelated sample)
ZZZZZZ	2A214112.D	10/18/21	20:16	09:43	(unrelated sample)
ZZZZZZ	2A214113.D	10/18/21	20:45	10:12	(unrelated sample)
ZZZZZZ	2A214114.D	10/18/21	21:14	10:41	(unrelated sample)
ZZZZZZ	2A214115.D	10/18/21	21:43	11:10	(unrelated sample)
ZZZZZZ	2A214116.D	10/18/21	22:12	11:39	(unrelated sample)
ZZZZZZ	2A214117.D	10/18/21	22:40	12:07	(unrelated sample)

Continuing Calibration Summary

Job Number: JD32185 **Sample:** V2A9318-CC9162
Account: CARRIER Carrier **Lab FileID:** 2A214093.D
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\da...18-halfway\2a214093.d Vial: 3
Acq On : 18 Oct 2021 10:33 am Operator: brittank
Sample : cc9162-20 Inst : GCMS2A
Misc : MS54401,V2A9318,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2A9162.M (RTE Integrator)
Title : Method SW846 8260D, ZB624.1 60m x 0.25mm xFri May Tue Jul 20 18:50:02 2021
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	73	0.00	7.29
2	ethanol	0.101	0.126	-24.8#	89	0.00	6.02
3	tertiary butyl alcohol	1.406	1.419	-0.9	70	0.00	7.41
4	1,4-dioxane	0.094	0.112	-19.1	81	0.00	11.12
5 I	pentafluorobenzene	1.000	1.000	0.0	115	0.00	9.55
6	chlorodifluoromethane	0.695	0.561	19.3	86	-0.03	4.02
7	dichlorodifluoromethane	0.839	0.930	-10.8	115	-0.03	3.99
8	chloromethane	0.951	0.987	-3.8	114	-0.02	4.38
9	vinyl chloride	0.847	0.870	-2.7	105	-0.03	4.60
10	1,3-butadiene	0.651	0.794	-22.0#	128	-0.02	4.63
11	bromomethane	0.549	0.551	-0.4	107	0.00	5.22
12	chloroethane	0.444	0.461	-3.8	111	0.00	5.39
13	trichlorofluoromethane	0.899	0.924	-2.8	105	-0.05	5.81
14	ethyl ether	0.344	0.291	15.4	90	0.00	6.22
15	acrolein	0.171	0.118	31.0#	75	0.00	6.45
16	freon 113	0.419	0.378	9.8	96	-0.02	6.63
17	1,1-dichloroethene	0.462	0.444	3.9	102	0.00	6.64
18	acetone	0.293	0.171	41.6#	63	0.00	6.65
19	acetonitrile	0.114	0.077	32.5#	70	0.00	7.06
20	iodomethane	0.897	0.842	6.1	100	0.00	6.88
21	carbon disulfide	1.744	1.604	8.0	98	0.00	7.02
22	methylene chloride	0.585	0.550	6.0	100	0.00	7.34
23	methyl acetate	0.714	0.490	31.4#	71	0.00	7.10
24	methyl tert butyl ether	1.864	1.624	12.9	92	0.00	7.69
25	trans-1,2-dichloroethene	0.523	0.519	0.8	104	0.00	7.73
26	hexane	0.921	0.875	5.0	101	0.00	8.08
27	di-isopropyl ether	2.106	2.015	4.3	102	0.00	8.29
28	ethyl tert-butyl ether	2.068	1.748	15.5	91	0.00	8.75
29	2-butanone	0.098	0.063	35.7#	68	0.00	8.94
30	1,1-dichloroethane	0.996	0.983	1.3	105	0.00	8.30
31	chloroprene	0.825	0.815	1.2	108	0.00	8.40
32	acrylonitrile	0.312	0.248	20.5#	87	0.00	7.63
33	vinyl acetate	0.135	0.110	18.5	89	0.00	8.23
34	ethyl acetate	0.136	0.104	23.5#	81	0.00	8.96
35	2,2-dichloropropane	0.783	0.823	-5.1	114	0.00	9.04
36	cis-1,2-dichloroethene	0.591	0.592	-0.2	107	0.00	9.01
37	propionitrile	0.129	0.085	34.1#	68	0.00	9.02
38	bromochloromethane	0.400	0.381	4.8	103	0.00	9.30
39	tetrahydrofuran	0.284	0.201	29.2#	75	0.00	9.32
40	chloroform	1.040	0.983	5.5	106	0.00	9.39

Continuing Calibration Summary

Job Number: JD32185 **Sample:** V2A9318-CC9162
Account: CARRIER Carrier **Lab FileID:** 2A214093.D
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

			True	Calc.	% Drift			
41		tert-butyl formate	20.000	14.506	27.5#	78	0.00	9.43
			AvgRF	**CCRF**	**% Dev**			
42		isobutyl alcohol	0.049	0.034	30.6#	75	0.00	9.79
43	S	dibromofluoromethane (s)	0.485	0.439	9.5	103	0.00	9.58
44		methacrylonitrile	0.340	0.240	29.4#	75	0.00	9.22
45		1,1,1-trichloroethane	0.861	0.806	6.4	100	0.00	9.65
46		cyclohexane	0.816	0.898	-10.0	113	0.00	9.75
47		1,1-dichloropropene	0.765	0.747	2.4	106	0.00	9.81
48		tert-amyl alcohol	0.058	0.038	34.5#	68	0.00	9.95
49		carbon tetrachloride	0.723	0.714	1.2	106	0.00	9.84
50	I	1,4-difluorobenzene	1.000	1.000	0.0	111	0.00	10.47
51	S	1,2-dichloroethane-d4 (s)	0.413	0.355	14.0	95	0.00	10.00
52		2,2,4-trimethylpentane	1.619	1.105	31.7#	70	0.00	10.16
53		tert-amyl methyl ether	1.343	1.158	13.8	88	0.00	10.15
54		n-butyl alcohol	0.020	0.013	35.0#	68	0.00	10.54
55		benzene	1.432	1.497	-4.5	107	0.00	10.06
56		heptane	0.320	0.293	8.4	96	0.00	10.31
57		isopropyl acetate	0.108	0.092	14.8	86	0.00	9.98
58		1,2-dichloroethane	0.586	0.518	11.6	93	0.00	10.08
59		trichloroethene	0.373	0.378	-1.3	107	0.00	10.79
60		ethyl acrylate	0.672	0.546	18.8	81	0.00	10.77
61		2-nitropropane	0.153	0.106	30.7#	77	0.00	11.54
62		2-chloroethyl vinyl ether	0.099	0.047	52.5#	80	0.00	11.58
63		methyl methacrylate	0.126	0.109	13.5	88	0.00	11.04
64		1,2-dichloropropane	0.402	0.405	-0.7	105	0.00	11.07
65		methylcyclohexane	0.674	0.635	5.8	95	0.00	11.08
66		dibromomethane	0.266	0.236	11.3	92	0.00	11.18
67		bromodichloromethane	0.523	0.503	3.8	100	0.00	11.33
68		epichlorohydrin	0.058	0.033	43.1#	63	0.00	11.66
69		cis-1,3-dichloropropene	0.634	0.644	-1.6	104	0.00	11.79
70		4-methyl-2-pentanone	0.236	0.162	31.4#	69	0.00	11.90
71		3-methyl-1-butanol	0.018	0.012	33.3#	67	0.00	11.90
72	I	chlorobenzene-d5	1.000	1.000	0.0	103	0.00	13.60
73	S	toluene-d8 (s)	1.328	1.352	-1.8	105	0.00	12.10
74		toluene	0.965	1.075	-11.4	104	0.00	12.17
75		trans-1,3-dichloropropene	0.660	0.668	-1.2	93	0.00	12.35
76		ethyl methacrylate	0.681	0.628	7.8	84	0.00	12.35
77		1,1,2-trichloroethane	0.357	0.353	1.1	91	0.00	12.57
78		2-hexanone	0.264	0.187	29.2#	65	0.00	12.75
79		tetrachloroethene	0.424	0.521	-22.9#	116	0.00	12.72
80		1,3-dichloropropane	0.692	0.652	5.8	91	0.00	12.76
81		butyl acetate	0.419	0.346	17.4	77	0.00	12.83
82		dibromochloromethane	0.450	0.471	-4.7	98	0.00	13.00
83		1,2-dibromoethane	0.444	0.425	4.3	89	0.00	13.15
84		n-butyl ether	1.819	1.883	-3.5	96	0.00	13.59
85		chlorobenzene	1.066	1.166	-9.4	104	0.00	13.63
86		1,1,1,2-tetrachloroethane	0.393	0.447	-13.7	108	0.00	13.69
87		ethylbenzene	1.855	1.946	-4.9	98	0.00	13.69
88		m,p-xylene	0.692	0.747	-7.9	102	0.00	13.81
89		o-xylene	1.522	1.588	-4.3	97	0.00	14.21
90		styrene	1.196	1.247	-4.3	99	0.00	14.22
91		n-amyl acetate	0.395	0.327	17.2	76	0.00	14.26
92		bromoform	0.345	0.331	4.1	90	0.00	14.45
93		butyl acrylate	1.143	0.949	17.0	76	0.00	14.05
94		isopropylbenzene	1.788	1.924	-7.6	100	0.00	14.56
95		cis-1,4-dichloro-2-butene	0.241	0.026	89.2#	10#	0.00	14.60

Instrument Performance Check (BFB)

Job Number: JD32185
Account: CARRIER Carrier
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Sample:	V2C8286-BFB	**Injection Date:**	10/06/21
Lab File ID:	2C185952.D	**Injection Time:**	20:26
Instrument ID:	GCMS2C		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	20011	17.5		Pass
75	30.0 - 60.0% of mass 95	54434	47.5		Pass
95	Base peak, 100% relative abundance	114515	100.0		Pass
96	5.0 - 9.0% of mass 95	7200	6.29		Pass
173	Less than 2.0% of mass 174	300	0.26	(0.28) [a]	Pass
174	50.0 - 120.0% of mass 95	107045	93.5		Pass
175	5.0 - 9.0% of mass 174	8283	7.23	(7.74) [a]	Pass
176	95.0 - 101.0% of mass 174	107677	94.0	(100.6) [a]	Pass
177	5.0 - 9.0% of mass 176	7305	6.38	(6.78) [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
V2C8286-CC8274	2C185952.D	10/06/21	20:26	00:00	Continuing cal 50
V2C8286-BS	2C185954.D	10/06/21	21:24	00:58	Blank Spike
V2C8286-MB	2C185956.D	10/06/21	22:22	01:56	Method Blank
JD32185-14	2C185957.D	10/06/21	22:51	02:25	TB-092321
JD32185-10	2C185958.D	10/06/21	23:20	02:54	MW-48
JD32185-12	2C185959.D	10/06/21	23:49	03:23	TR3-PW-01
JD32185-11	2C185960.D	10/07/21	00:18	03:52	MW-18
JD32185-10MS	2C185961.D	10/07/21	00:47	04:21	Matrix Spike
JD32185-10MSD	2C185962.D	10/07/21	01:16	04:50	Matrix Spike Duplicate
JD32185-12	2C185963.D	10/07/21	01:45	05:19	TR3-PW-01
JD32185-11	2C185964.D	10/07/21	02:15	05:49	MW-18
JD32185-13	2C185965.D	10/07/21	02:44	06:18	MW-57
JD32185-1	2C185966.D	10/07/21	03:13	06:47	DP-MW-04
JD32185-2	2C185967.D	10/07/21	03:42	07:16	MW-77
JD32185-3	2C185968.D	10/07/21	04:11	07:45	FD-092321
JD32185-4	2C185969.D	10/07/21	04:40	08:14	MW-76
JD32185-5	2C185970.D	10/07/21	05:09	08:43	AR-MW-06
JD32185-6	2C185971.D	10/07/21	05:38	09:12	AR-MW-02
JD32185-7	2C185972.D	10/07/21	06:07	09:41	MW-45
JD32185-8	2C185973.D	10/07/21	06:36	10:10	MW-50
JD32185-9	2C185974.D	10/07/21	07:05	10:39	MW-44

Continuing Calibration Summary

Job Number: JD32185 **Sample:** V2C8286-CC8274
Account: CARRIER Carrier **Lab FileID:** 2C185952.D
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\ja...21\v2c8286\2c185952.d Vial: 28
Acq On : 6 Oct 2021 8:26 pm Operator: thienn
Sample : CC8274-50 Inst : GCMS2C
Misc : MS53924,V2C8286,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M2C8274.M (RTE Integrator)
Title : SW846 8260C/D, Column ZB624 60mX0.25mmX1.4um
Last Update : Mon Sep 27 09:47:42 2021
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	102	-0.02	8.47
2		ethanol		----------NA----------				
3		tertiary butyl alcohol	1.168	1.048	10.3	87	-0.03	8.60
4		1,4-dioxane	0.090	0.110	-22.2#	122	0.00	12.46
5	I	pentafluorobenzene	1.000	1.000	0.0	103	0.00	10.90
6		chlorodifluoromethane	0.834	0.562	32.6#	68	0.00	4.58
7		dichlorodifluoromethane	1.047	0.895	14.5	80	0.00	4.55
8		chloromethane	1.008	0.961	4.7	96	0.00	5.00
9		vinyl chloride	0.993	1.041	-4.8	97	0.00	5.28
10		1,3-butadiene	0.831	0.749	9.9	93	0.00	5.31
11		bromomethane	0.932	1.022	-9.7	114	0.00	6.01
12		chloroethane	0.631	0.704	-11.6	108	0.00	6.19
13		trichlorofluoromethane	1.239	1.189	4.0	92	0.00	6.74
14		ethyl ether	0.300	0.297	1.0	97	0.01	7.19
15		acrolein	0.149	0.075	49.7#	49#	0.00	7.46
16		freon 113	0.548	0.498	9.1	88	0.00	7.69
17		1,1-dichloroethene	0.601	0.491	18.3	86	0.00	7.66
18		acetone	0.099	0.084	15.2	81	0.00	7.70
19		iodomethane	1.086	0.991	8.7	89	0.00	7.96
20		acetonitrile	0.108	0.088	18.5	84	0.00	8.21
21		carbon disulfide	1.914	1.636	14.5	83	0.00	8.10
22		methylene chloride	0.683	0.614	10.1	92	0.00	8.49
23		methyl acetate	0.610	0.480	21.3#	80	0.00	8.22
24		methyl tert butyl ether	1.959	1.837	6.2	90	0.00	8.89
25		trans-1,2-dichloroethene	0.607	0.545	10.2	91	0.00	8.91
26		hexane	0.345	0.285	17.4	83	0.00	9.30
27		di-isopropyl ether	1.746	1.490	14.7	82	0.00	9.55
28		1,1-dichloroethane	0.943	0.865	8.3	87	0.00	9.56
29		chloroprene	0.755	0.614	18.7	79	0.00	9.66
30		acrylonitrile	0.304	0.179	41.1#	58	0.00	8.84
31		vinyl acetate	0.093	0.107	-15.1	111	0.00	9.50
32		ethyl tert-butyl ether	1.737	1.535	11.6	83	0.00	10.05
33		2-butanone	0.089	0.090	-1.1	93	0.01	10.28
34		ethyl acetate	0.095	0.086	9.5	85	0.00	10.28
35		2,2-dichloropropane	0.910	0.921	-1.2	99	0.00	10.37
36		cis-1,2-dichloroethene	0.664	0.586	11.7	90	0.00	10.34
37		propionitrile	0.125	0.114	8.8	88	0.00	10.37
38		bromochloromethane	0.338	0.318	5.9	93	0.00	10.65
39		tetrahydrofuran	0.108	0.101	6.5	90	0.00	10.67
40		chloroform	1.030	0.973	5.5	93	0.00	10.75
41		t-butyl formate	0.459	0.443	3.5	91	0.00	10.79

Instrument Performance Check (BFB)

Job Number: JD32185
Account: CARRIER Carrier
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Sample:	V2C8287-BFB	**Injection Date:**	10/07/21
Lab File ID:	2C185977.D	**Injection Time:**	08:35
Instrument ID:	GCMS2C		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	19901	17.8		Pass
75	30.0 - 60.0% of mass 95	55224	49.3		Pass
95	Base peak, 100% relative abundance	111947	100.0		Pass
96	5.0 - 9.0% of mass 95	7060	6.31		Pass
173	Less than 2.0% of mass 174	793	0.71	(0.77) [a]	Pass
174	50.0 - 120.0% of mass 95	102715	91.8		Pass
175	5.0 - 9.0% of mass 174	8387	7.49	(8.17) [a]	Pass
176	95.0 - 101.0% of mass 174	103376	92.3	(100.6) [a]	Pass
177	5.0 - 9.0% of mass 176	7094	6.34	(6.86) [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
V2C8287-CC8274	2C185977.D	10/07/21	08:35	00:00	Continuing cal 50
V2C8287-BS	2C185978.D	10/07/21	09:16	00:41	Blank Spike
V2C8287-MB	2C185980.D	10/07/21	10:24	01:49	Method Blank
ZZZZZZ	2C185981.D	10/07/21	10:53	02:18	(unrelated sample)
JD32185-11	2C185982.D	10/07/21	11:22	02:47	MW-18
JD32185-10	2C185983.D	10/07/21	11:51	03:16	MW-48
JD32237-19	2C185985.D	10/07/21	12:20	03:45	(used for QC only; not part of job JD32185)
ZZZZZZ	2C185986.D	10/07/21	12:49	04:14	(unrelated sample)
ZZZZZZ	2C185987.D	10/07/21	13:18	04:43	(unrelated sample)
ZZZZZZ	2C185988.D	10/07/21	13:47	05:12	(unrelated sample)
ZZZZZZ	2C185989.D	10/07/21	14:16	05:41	(unrelated sample)
JD32237-19	2C185990.D	10/07/21	14:46	06:11	(used for QC only; not part of job JD32185)
ZZZZZZ	2C185991.D	10/07/21	15:14	06:39	(unrelated sample)
JD32237-19MS	2C185992.D	10/07/21	15:43	07:08	Matrix Spike
JD32237-19MSD	2C185993.D	10/07/21	16:13	07:38	Matrix Spike Duplicate
ZZZZZZ	2C185995.D	10/07/21	17:11	08:36	(unrelated sample)
ZZZZZZ	2C185996.D	10/07/21	17:40	09:05	(unrelated sample)
ZZZZZZ	2C185997.D	10/07/21	18:08	09:33	(unrelated sample)
ZZZZZZ	2C185998.D	10/07/21	18:37	10:02	(unrelated sample)

Continuing Calibration Summary

Job Number: JD32185 **Sample:** V2C8287-CC8274
Account: CARRIER Carrier **Lab FileID:** 2C185977.D
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\ni...21\v2c8287\2c185977.d Vial: 2
Acq On : 7 Oct 2021 8:35 am Operator: thienn
Sample : cc8274-50 Inst : GCMS2C
Misc : MS53934,V2C8287,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M2C8274.M (RTE Integrator)
Title : SW846 8260C/D, Column ZB624 60mX0.25mmX1.4um
Last Update : Mon Sep 27 09:47:42 2021
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	104	-0.01	8.48
2		ethanol		----------NA----------				
3		tertiary butyl alcohol	1.168	1.079	7.6	92	-0.02	8.61
4		1,4-dioxane	0.090	0.108	-20.0#	122	0.00	12.46
5	I	pentafluorobenzene	1.000	1.000	0.0	100	0.00	10.91
6		chlorodifluoromethane	0.834	0.681	18.3	80	0.00	4.58
7		dichlorodifluoromethane	1.047	1.033	1.3	90	0.00	4.55
8		chloromethane	1.008	1.125	-11.6	110	0.00	5.01
9		vinyl chloride	0.993	1.269	-27.8#	115	0.01	5.29
10		1,3-butadiene	0.831	0.853	-2.6	102	0.00	5.32
11		bromomethane	0.932	1.239	-32.9#	135	0.01	6.02
12		chloroethane	0.631	0.834	-32.2#	124	0.00	6.20
13		trichlorofluoromethane	1.239	1.318	-6.4	99	0.02	6.76
14		ethyl ether	0.300	0.302	-0.7	95	0.00	7.19
15		acrolein	0.149	0.173	-16.1	110	0.00	7.46
16		freon 113	0.548	0.539	1.6	93	0.00	7.69
17		1,1-dichloroethene	0.601	0.533	11.3	91	0.00	7.67
18		acetone	0.099	0.090	9.1	83	0.00	7.71
19		iodomethane	1.086	1.094	-0.7	95	0.00	7.96
20		acetonitrile	0.108	0.099	8.3	92	0.00	8.21
21		carbon disulfide	1.914	1.868	2.4	92	0.00	8.11
22		methylene chloride	0.683	0.653	4.4	95	0.00	8.50
23		methyl acetate	0.610	0.506	17.0	82	0.00	8.22
24		methyl tert butyl ether	1.959	1.867	4.7	89	0.00	8.89
25		trans-1,2-dichloroethene	0.607	0.584	3.8	94	0.00	8.92
26		hexane	0.345	0.308	10.7	88	0.00	9.30
27		di-isopropyl ether	1.746	1.550	11.2	83	0.00	9.55
28		1,1-dichloroethane	0.943	0.933	1.1	91	0.00	9.57
29		chloroprene	0.755	0.676	10.5	84	0.00	9.67
30		acrylonitrile	0.304	0.350	-15.1	111	0.01	8.85
31		vinyl acetate	0.093	0.116	-24.7#	117	0.00	9.50
32		ethyl tert-butyl ether	1.737	1.594	8.2	84	0.00	10.06
33		2-butanone	0.089	0.088	1.1	89	0.00	10.27
34		ethyl acetate	0.095	0.083	12.6	79	0.00	10.29
35		2,2-dichloropropane	0.910	1.022	-12.3	107	0.00	10.38
36		cis-1,2-dichloroethene	0.664	0.623	6.2	93	0.00	10.34
37		propionitrile	0.125	0.119	4.8	89	0.00	10.38
38		bromochloromethane	0.338	0.332	1.8	94	0.00	10.65
39		tetrahydrofuran	0.108	0.105	2.8	91	0.00	10.67
40		chloroform	1.030	1.021	0.9	95	0.00	10.75
41		t-butyl formate	0.459	0.467	-1.7	93	0.00	10.79

JD32246

GW WEB WTB

BW-091321-59
FX#425106 3573

JD32246

CHAIN OF CUSTODY RECORD

AECOM

PROJECT NO. 60649701 | SITE NAME Carrier - Thompson Rd

SAMPLERS (PRINT/SIGNATURE) Tom Urban/Tom Urban // Rob Murphy/Rob Murphy

LAB SGS | COOLER 1 of 1 | PAGE 1 of 1

DELIVERY SERVICE: FedEx AIRBILL NO.:

	LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	TESTS: VOCs 8260 TCL + 10 Tent. Ident.	TESTS: 1,4-Dioxane 8270	BOTTLE TYPE AND PRESERVATIVE: 40 mL vial HCl	BOTTLE TYPE AND PRESERVATIVE: 1 Liter Amber	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
1	MW-14	9/24/21	0845	Grab	MW-14	WG	5	3	2				N1	–	–	–
2	MW-14D	9/24/21	0916	Grab	MW-14D	WG	2		2				N1	–	–	–
3	EB-1	9/24/21	0750	Grab	EB-092421-1	WQ	2	2				equipment blank	RB1	–	–	–
4	MW-79	9/24/21	0950	Grab	MW-79	WG	3	3					N1	–	–	–
5	FD-1	9/24/21	–	Grab	FD-092421	WQ	3	3				Field Duplicate	FR1	–	–	–
6	TR3-MW-02	9/24/21	1045	Grab	TR3-MW-02	WG	3	3					N1	–	–	–
7	MW-66	9/24/21	1028	Grab	MW-66	WG	3	3					N1	–	–	–
8	MW-58	9/24/21	1132	Grab	MW-58	WG	3	3					N1	–	–	–
9	EB-2	9/24/21	1055	Grab	EB-092421-2	WQ	2	2				equipment blank	RB2	–	–	–
10	TB-1	9/24/21	–	Grab	TB-092421	WQ	2	2				Trip Blank	TB1	–	–	–

ESI VIII

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Robert J Murphy	9/24/21	1430	FED EX	9/24/21	1430
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
	9/25/21	0915			

SPECIAL INSTRUCTIONS: 3.1 °C EP In-5 C.S.# intact 05758

Local Assessment YA Data Verification

Distribution: Original accompanies shipment, copy to coordinator field files

5.1 5

JD32246: Chain of Custody
Page 1 of 2

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Carrier	**Job No:**	JD32246
Site:	AECOMNYB: Carrier, Thompson Road, Syracuse, NY	**Report Date**	10/8/2021 5:31:07 PM

On 09/25/2021, 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 2.2 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD32246 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:** VL10006

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD32246-1MS, JD32246-4DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD32246-3 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD32246-1 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD32246-4 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD32246-5 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD32246-6 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD32246-7 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD32246-8 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD32246-9 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD32246-10 for Acetone: 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:** OP35693

- 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: JD32246
Account: CARRIER Carrier
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Sample:	VL10006-BFB	**Injection Date:**	10/07/21
Lab File ID:	L333174.D	**Injection Time:**	11:39
Instrument ID:	GCMSL		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	25549	17.9		Pass
75	30.0 - 60.0% of mass 95	76445	53.6		Pass
95	Base peak, 100% relative abundance	142699	100.0		Pass
96	5.0 - 9.0% of mass 95	9910	6.94		Pass
173	Less than 2.0% of mass 174	534	0.37	(0.42) [a]	Pass
174	50.0 - 120.0% of mass 95	126160	88.4		Pass
175	5.0 - 9.0% of mass 174	9381	6.57	(7.44) [a]	Pass
176	95.0 - 101.0% of mass 174	124131	87.0	(98.4) [a]	Pass
177	5.0 - 9.0% of mass 176	8405	5.89	(6.77) [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
VL10006-CC10004	L333174.D	10/07/21	11:39	00:00	Continuing cal 20
VL10006-BS	L333176.D	10/07/21	12:37	00:58	Blank Spike
VL10006-MB	L333178.D	10/07/21	13:20	01:41	Method Blank
JD32246-3	L333179.D	10/07/21	14:00	02:21	EB-092421-1
JD32246-1	L333180.D	10/07/21	14:21	02:42	MW-14
JD32246-4	L333181.D	10/07/21	14:43	03:04	MW-79
JD32246-5	L333182.D	10/07/21	15:04	03:25	FD-092421
JD32246-6	L333183.D	10/07/21	15:25	03:46	TR3-MW-02
JD32246-1MS	L333184.D	10/07/21	15:46	04:07	Matrix Spike
JD32246-4DUP	L333186.D	10/07/21	16:29	04:50	Duplicate
JD32246-7	L333187.D	10/07/21	16:50	05:11	MW-66
JD32246-8	L333188.D	10/07/21	17:12	05:33	MW-58
ZZZZZZ	L333189.D	10/07/21	17:33	05:54	(unrelated sample)
JD32246-9	L333190.D	10/07/21	17:54	06:15	EB-092421-2
JD32246-10	L333191.D	10/07/21	18:15	06:36	TB-092421
ZZZZZZ	L333192.D	10/07/21	18:37	06:58	(unrelated sample)
ZZZZZZ	L333193.D	10/07/21	18:58	07:19	(unrelated sample)
ZZZZZZ	L333194.D	10/07/21	19:19	07:40	(unrelated sample)
ZZZZZZ	L333195.D	10/07/21	19:41	08:02	(unrelated sample)
ZZZZZZ	L333196.D	10/07/21	20:02	08:23	(unrelated sample)
ZZZZZZ	L333197.D	10/07/21	20:23	08:44	(unrelated sample)
ZZZZZZ	L333198.D	10/07/21	20:45	09:06	(unrelated sample)
VL10007-BS	L333202.D	10/08/21	09:58	22:19	Blank Spike

Continuing Calibration Summary

Job Number: JD32246 **Sample:** VL10006-CC10004
Account: CARRIER Carrier **Lab FileID:** L333174.D
Project: AECOMNYB: Carrier, Thompson Road, Syracuse, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\ni...021\vl10006\l333174.d Vial: 1
Acq On : 7 Oct 2021 11:39 am Operator: brittank
Sample : cc10004-20 Inst : GCMSL
Misc : MS53436,VL10006,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\ML10004.M (RTE Integrator)
Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
Last Update : Wed Oct 06 12:08:10 2021
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	85	0.00	3.15
2		1,4-dioxane	0.147	0.148	-0.7	92	0.00	5.38
3		ethanol	0.132	0.143	-8.3	93	0.00	2.57
4	M	tertiary butyl alcohol	1.339	1.342	-0.2	94	0.00	3.20
5	I	pentafluorobenzene	1.000	1.000	0.0	111	0.00	4.38
6		chlorodifluoromethane	0.470	0.471	-0.2	110	0.00	1.72
7		dichlorodifluoromethane	0.796	0.711	10.7	98	0.00	1.70
8		chloromethane	0.616	0.599	2.8	116	0.00	1.87
9		vinyl chloride	0.672	0.674	-0.3	112	0.00	1.95
10		bromomethane	0.241	0.265	-10.0	129	0.00	2.21
11		chloroethane	0.372	0.354	4.8	110	0.00	2.29
12		trichlorofluoromethane	0.852	0.832	2.3	112	0.00	2.48
13		ethyl ether	0.286	0.275	3.8	112	0.00	2.66
14		acrolein	0.083	0.064	22.9#	98	0.00	2.76
15		freon 113	0.367	0.372	-1.4	115	0.00	2.84
16		1,1-dichloroethene	0.412	0.408	1.0	113	0.00	2.85
17		acetone	0.068	0.052	23.5#	81	0.00	2.86
18		acetonitrile	0.032	0.028	12.5	96	0.00	3.05
19		iodomethane	0.318	0.437	-37.4#	133	0.00	2.96
20		iso-butyl alcohol	0.020	0.015	25.0#	90	0.00	4.53
21		carbon disulfide	1.291	1.232	4.6	110	0.00	3.02
22		methylene chloride	0.460	0.455	1.1	113	0.00	3.18
23		methyl acetate	0.098	0.087	11.2	97	0.00	3.06
24		methyl tert butyl ether	1.413	1.346	4.7	108	0.00	3.35
25		trans-1,2-dichloroethene	0.456	0.435	4.6	110	0.00	3.36
26		hexane	0.660	0.634	3.9	109	0.00	3.55
27		di-isopropyl ether	1.459	1.365	6.4	105	0.00	3.66
28		ethyl tert-butyl ether	1.296	1.234	4.8	107	0.00	3.90
29		2-butanone	0.072	0.061	15.3	93	0.00	4.03
30	M	1,1-dichloroethane	0.823	0.809	1.7	113	0.00	3.67
31		chloroprene	0.642	0.609	5.1	109	0.00	3.72
32		acrylonitrile	0.175	0.136	22.3#	85	0.00	3.33
33		vinyl acetate	0.110	0.110	0.0	122	0.00	3.64
34		ethyl acetate	0.084	0.072	14.3	108	0.00	4.04
35		2,2-dichloropropane	0.711	0.703	1.1	115	0.00	4.07
36		cis-1,2-dichloroethene	0.504	0.481	4.6	111	0.00	4.06
37		propionitrile	0.067	0.058	13.4	98	0.00	4.07
38		methyl acrylate	0.087	0.074	14.9	104	0.00	4.08
39		bromochloromethane	0.249	0.246	1.2	120	0.00	4.22
40		tetrahydrofuran	0.074	0.059	20.3#	98	0.00	4.23

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 2021)

Appendix D
Groundwater Analytical Results Historical Summary
Carrier Thompson Rd. Facility

Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NYSDEC Standard			50 G	1	50 G	7	5	0.6	0.7 G	N/A	5	5	5	1	N/A	5	5 G	2	N/A
MW-01	MW-01	12/31/1985	NA	NA	ND	NA	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND
	MW-1	2/8/1990	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	6/5/1990	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	11/16/1990	NA	NA	ND	NA	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND
	MW-1 (DUP)	11/16/1990	NA	NA	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND
	MW-1	5/22/1991	NA	ND	NA	NA	**3**	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-1	2/6/1992	NA	ND	NA	NA	**3**	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	**6**	NA
	MW-1	8/10/1992	NA	ND	NA	NA	**3**	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	**6**	NA
	MW-1	2/22/1993	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-1	8/23/1993	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-1	5/2/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	8/25/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-1	2/15/1995	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	8/21/1995	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	2/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	8/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	2/6/1997	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	8/22/1997	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	2/17/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	8/31/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	3/4/1999	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	8/27/1999	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	3/2/2000	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	CARGMW0103	4/18/2000	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MW-1	8/15/2000	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	CARGMW0104	7/12/2001	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
(Duplicate)	MW-1	7/12/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	12/18/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	CARGMW0105	6/24/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0105	6/23/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0106	6/21/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0106	7/11/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0107	11/7/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	CARGMW0108	2/12/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	CARGMW0109	5/8/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	CARGMW0110	8/21/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	CARGMW0111	6/28/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	CARGMW0112	6/29/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	CARGMW0112	6/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Appendix D
Groundwater Analytical Results Historical Summary
Carrier Thompson Rd. Facility

Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NYSDEC Standard			50 G	1	50 G	7	5	0.6	0.7 G	N/A	5	5	5	1	N/A	5	5 G	2	N/A
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	ND	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	ND	**11**	NA	ND	NA	ND	NA	ND	NA
	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	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	ND	**13**	NA	ND	NA	ND	NA	ND	NA
	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	ND	**14**	NA	ND	NA	ND	NA	ND	NA
	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	ND	**7**	NA	NA	ND	ND	ND	ND	ND	1.1 J	ND
	MW-3D	8/15/2000	NA	ND	NA	NA	ND	ND	ND	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)	CARHMW3D05	6/25/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	**4.7**	ND	ND	ND	ND	ND	ND	ND
	CARHMW3D06	6/21/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	**14.4**	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)	CARHMW3D0610	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)	CARHMW3D0812	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

Appendix D
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Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NYSDEC Standard			50 G	1	50 G	7	5	0.6	0.7 G	N/A	5	5	5	1	N/A	5	5 G	2	N/A
MW-03S	MW-3S	12/31/1985	NA	NA	ND	ND	**78**	ND	**15**	NA	**982**	NA	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
	MW-3S	6/5/1990	NA	ND	NA	NA	**400**	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	**1,000**	NA
	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
(Duplicate)	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
	MW-3S	5/22/1991	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	**2,500**	NA
	MW-3S	2/5/1992	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-3S	8/10/1992	NA	ND	NA	NA	**370**	ND	**90**	NA	ND	NA	NA	ND	NA	ND	NA	**1,100**	NA
	MW-3S	2/22/1993	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	**2,000**	NA
	MW-3S	8/23/1993	NA	ND	NA	NA	**660**	ND	ND	NA	ND	NR	NA	ND	NA	ND	NA	**1,000**	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
	MW-3S	8/25/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	**800**	NA
	MW-3S	2/15/1995	NA	ND	NA	NA	**380**	ND	ND	NA	ND	**1,400**	NA	ND	NA	ND	NA	**790**	NA
	MW-3S	8/21/1995	NA		NA	NA	ND	ND	ND	NA	ND	**11,000**	NA	ND	NA	ND	NA	**370**	NA
	MW-3S	2/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	**11,000**	NA	ND	NA	ND	NA	**650**	NA
	MW-3S	8/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	**11,000**	NA	ND	NA	ND	NA	ND	NA
	MW-3S	2/6/1997	NA	ND	NA	NA	ND	ND	**70**	NA	**7**	**9,300**	NA	**5**	NA	**7**	NA	**750**	NA
	MW-3S	8/22/1997	NA	ND	NA	NA	**200**	ND	**60**	NA	**6**	**8,500**	NA	**4**	NA	**6**	NA	**660**	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
	MW-3S	8/31/1998	NA	ND	NA	NA	**270**	ND	**68**	NA	**8**	**11,000**	NA	**5**	NA	**8**	NA	**1,300**	NA
	MW-3S	3/4/1999	NA	ND	NA	NA	**200**	ND	ND	NA	ND	**8,000**	NA	ND	NA	ND	NA	**550**	NA
	MW-3S	8/27/1999	NA	ND	NA	NA	**180**	ND	ND	NA	ND	**6,500**	NA	ND	NA	ND	NA	**440**	NA
	MW-3S	3/2/2000	NA	ND	NA	NA	**200**	ND	ND	NA	ND	**6,400**	NA	ND	NA	ND	NA	**940**	NA
	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
	MW-3S	8/15/2000	NA	ND	NA	NA	**190**	ND	ND	NA	ND	**6,500**	NA	ND	NA	ND	NA	**490**	NA
	CARGMW3S04	7/12/2001	ND	ND	ND	ND	**164**	ND	38.3 J	NA	13.9 J	**5,780**	ND	ND	ND	ND	ND	**567**	ND
(Duplicate)	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
	MW-3S	12/18/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	**3,700**	NA	ND	NA	ND	NA	ND	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
(Duplicate)	CARHMW3S05	6/25/2002	ND	ND	ND	ND	**159**	ND	**34**	NA	ND	**5,320 E**	ND	ND	ND	2.2 J	ND	**739**	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
	CARGMW3S06	6/21/2004	ND	ND	ND	ND	**136**	ND	**25.9**	NA	ND	**5,260 D**	ND	ND	ND	ND	ND	**808**	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
(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
	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
	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
	CARGMW3509	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
	CARGMW3510	8/21/2007	ND	ND	ND	ND	**45.1**	ND	ND	NA	ND	**1,940**	ND	ND	ND	ND	ND	**188**	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
	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
	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
	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
	CARGMW350812	8/14/2012	ND	ND	ND	ND	**26.3**	ND	**6.5**	NA	ND	**833 a**	ND	ND	ND	ND	ND	**104**	ND
	CARGMW03S0613	6/11/2013	ND	ND	ND	ND	**27**	ND	5.4 J	NA	ND	**1000 B**	ND	ND	ND	ND	ND	**96**	ND
	MW03SWG063014	06/30/2014	**650**	ND	ND	ND	**11**	ND	**2.4 J**	NA	ND	**390**	ND	ND	ND	ND	ND	**29**	ND
	MW03SWG061915	06/19/2015	**57 JB**	ND	ND	ND	**14 J**	ND	ND	ND	ND	**580**	ND	ND	ND	ND	ND	**48**	ND

Appendix D
Groundwater Analytical Results Historical Summary
Carrier Thompson Rd. Facility

Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NYSDEC Standard			50 G	1	50 G	7	5	0.6	0.7 G	N/A	5	5	5	1	N/A	5	5 G	2	N/A
MW-05	MW-5	2/8/1990	NA	ND	NA	NA	ND	ND	ND	NA	ND	**18**	NA	ND	NA	ND	NA	ND	NA
	MW-5	6/5/1990	NA	ND	NA	NA	ND	ND	ND	NA	**25**	NA	NA	ND	NA	ND	NA	ND	NA
	MW-5	11/16/1990	NA	NA	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MW-5	5/22/1991	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-5	2/5/1992	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-5	8/10/1992	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-5	2/22/1993	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-5	8/23/1993	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-5	5/2/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-5	8/25/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-5	2/15/1995	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-5	8/21/1995	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-5	2/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-5	8/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	**5**	NA
	MW-5	2/6/1997	NA	ND	NA	NA	ND	ND	ND	NA	ND	**12**	NA	**5**	NA	**7**	NA	ND	NA
	MW-5	8/22/1997	NA	ND	NA	NA	ND	ND	ND	NA	ND	**8**	NA	ND	NA	ND	NA	ND	NA
	MW-5	2/17/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-5	8/31/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-5	3/4/1999	NA	**5**	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-5	8/27/1999	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-5	3/2/2000	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	CARGMW0503	5/2/2000	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND
	MW-5	8/15/2000	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	CARGMW0504	7/12/2001	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
(Duplicate)	MW-5	7/12/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-5	12/18/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	CARGMW0505	6/24/2002	**117**	ND	1.4 J	ND	ND	ND	ND	NA	ND	0.24 J	ND	ND	ND	ND	ND	ND	ND
	CARGMW0505	6/25/2003	ND	ND	1.0 J	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0506	6/23/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0506	7/12/2005	**12.9**	ND	ND	ND	ND	ND	ND	NA	ND	0.27 J	ND	ND	ND	ND	ND	ND	ND
	CARGMW0507	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0508	2/13/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0509	5/8/2007	ND	ND	0.66 J	ND	ND	ND	ND	NA	ND	0.24 J	ND	ND	ND	ND	ND	ND	ND
	CARGMW0510	8/21/2007	ND	ND	0.66 J	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ENSTHMPMW050609	6/29/2009	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW050610	6/29/2010	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Not Sampled	6/13/2012	Could Not Be Located																
MW-05R	CARGMW05R0812	8/15/2012	9.9	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW05R0613	6/12/2013	2.9 J	ND	ND	ND	ND	ND	ND	NA	ND	ND	0.24 J	ND	ND	ND	ND	ND	ND
	MW5RWG062714	06/27/2014	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MW05RWG061615	06/16/2015	1.3 JB	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	Chloro-form	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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NYSDEC Standard			50 G	1	50 G	7	5	0.6	0.7 G	N/A	5	5	5	1	N/A	5	5 G	2	N/A
MW-06	MW-6	2/8/1990	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	6/5/1990	NA	ND	NA	NA	ND	ND	ND	NA	13	NA	NA	ND	NA	ND	NA	ND	NA
	MW-6	11/16/1990	NA	NA	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0603	4/18/2000	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
	MW-6	5/22/1991	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-6	2/5/1992	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	**4**	NA	ND	NA
	MW-6	8/10/1992	NA	ND	NA	NA	**7**	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	**13**	NA
	MW-6	2/22/1993	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-6	8/23/1993	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	**6**	NA	ND	NA
	MW-6	5/2/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	8/25/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-6	2/15/1995	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	8/21/1995	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	2/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	8/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	**5**	NA
	MW-6	2/6/1997	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	8/22/1997	NA	ND	NA	NA	ND	ND	ND	NA	ND	**8**	NA	ND	NA	ND	NA	ND	NA
	MW-6	2/17/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	8/31/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	3/4/1999	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	8/27/1999	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	3/2/2000	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	8/15/2000	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	CARGMW0604	7/12/2001	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
(Duplicate)	MW-6	7/12/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	12/18/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	CARGMW0605	6/24/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0605	6/23/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0606	6/21/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0606	7/11/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	**42.3**	**1.3**	ND	ND	ND
	CARGMW0607	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.91**	ND	ND	ND
	CARGMW0608	2/12/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.48**	ND	ND	ND
	CARGMW0609	5/8/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0610	8/21/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**1.5**	ND	ND	ND
	ENSTHMPMW060609	6/28/2009	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	0.52 J	ND	ND	ND
	CARGMW060610	6/30/2010	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**2.2**	ND	ND	ND
	CARGMW060612	6/13/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.36**	ND	ND	ND
	CARGMW060812	8/14/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW060613	6/12/2013	2.6 J	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MW6WG062714	06/27/2014	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MW06WG061615	06/16/2015	0.98 JB	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Appendix D
Groundwater Analytical Results Historical Summary
Carrier Thompson Rd. Facility

Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NYSDEC Standard			50 G	1	50 G	7	5	0.6	0.7 G	N/A	5	5	5	1	N/A	5	5 G	2	N/A
MW-09	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
(Duplicate)	CARHMW0906	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	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
(Duplicate)	CARHMW1008	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*	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
(Duplicate)	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

Appendix D
Groundwater Analytical Results Historical Summary
Carrier Thompson Rd. Facility

Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NYSDEC Standard			50 G	1	50 G	7	5	0.6	0.7 G	N/A	5	5	5	1	N/A	5	5 G	2	N/A
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
904 (Diffusion	Interval 6 : NS	10/11/1999	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
	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
iffusion Sampl	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
iffusion Sampl	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
ow-Flow Sampl	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
iffusion Sampl	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

Appendix D
Groundwater Analytical Results Historical Summary
Carrier Thompson Rd. Facility

Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NYSDEC Standard			50 G	1	50 G	7	5	0.6	0.7 G	N/A	5	5	5	1	N/A	5	5 G	2	N/A
MW - 13D*	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
)iffusion Sampl	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*	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
)iffusion Sampl	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*	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
)iffusion Sampl	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*	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
(Diffusion	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
Sample)	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*	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
(Diffusion	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
Sample)	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*	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
(Diffusion	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
Sample)	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*	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
(Diffusion	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
Sample)	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

ENSAFE

Appendix D
Groundwater Analytical Results Historical Summary
Carrier Thompson Rd. Facility

Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NYSDEC Standard			50 G	1	50 G	7	5	0.6	0.7 G	N/A	5	5	5	1	N/A	5	5 G	2	N/A
MW-13D2	ENSTHMPMW13D20609	6/29/2009	ND	ND	ND	ND	ND	ND	ND	NA	ND	0.61 J	ND	ND	ND	ND	ND	ND	ND
Duplicate	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	0.24 J	ND
	MW13D2WG	6/17/2015	1.8 JB	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	0.74 J	ND
MW-14	CARGMW5S04	7/11/2001	ND	ND	ND	ND	1.2 J	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	**5.2**	ND
	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	0.80 J	ND
	CARGMW1406	7/13/2005	ND	ND	ND	ND	ND	0.57 J	ND	NA	ND	ND	ND	ND	ND	ND	ND	**1.8**	ND
	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	0.71 J	ND
	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	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
(Duplicate)	CARHMW1405	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
(Duplicate)	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*	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
(Duplicate)	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
(Duplicate)	CARHMW15D07	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARHMW15D08	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

Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NYSDEC Standard			50 G	1	50 G	7	5	0.6	0.7 G	N/A	5	5	5	1	N/A	5	5 G	2	N/A
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)	CARHMW16D07	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)	CARHMW16D09	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**	ND
	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)	CARHMW1810	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

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	Chloro-form	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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NYSDEC Standard			50 G	1	50 G	7	5	0.6	0.7 G	N/A	5	5	5	1	N/A	5	5 G	2	N/A
MW-19	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
	CARHMW1905	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
(Duplicate)	CARHMW1910	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
	CARHMW190611	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	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	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
(Duplicate)	CARHMW200612	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
(Duplicate)	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	**3.2**	ND	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 Samplesd 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

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Groundwater Analytical Results - Detections Only (October 2013 to June 2015)
at Select Non-CO Locations
Carrier Corporation Thompson Road Facility
Syracuse, New York

			Analyte	Acetone	cis-1,2-Dichloroethene	1,1,1-Trichloroethane	1,1-Dichloroethane	Trichloroethene	TPH DRO (C10-C28)	TPH ORO (C28-C40)	Total PCBs
			NYSDEC Groundwater Screening Limit	50	5	5	5	5	NE	NE	0.09*
			Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Sample Location:	Sample ID:	Sample Date:	Sample Type:								
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

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			Analyte	Acetone	cis-1,2-Dichloroethene	1,1,1-Trichloroethane	1,1-Dichloroethane	Trichloroethene	TPH DRO (C10-C28)	TPH ORO (C28-C40)	Total PCBs
			NYSDEC Groundwater Screening Limit	50	5	5	5	5	NE	NE	0.09*
			Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Sample Location:	Sample ID:	Sample Date:	Sample Type:								
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	<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	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	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	<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	<0.04 U
MW42	CARMW42G20131112	11/12/2013	Normal	<1.1 U	**10 a**	<0.22 U	**1.2**	**9 a**	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**	<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**	<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
MW44	MW44WG062215	6/22/2015	Normal	**1.1 JB**	**0.34 J**	**2.1**	**1.1**	**9.9 a**	<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	**0.061**
MW44	CARMW44G20131108	11/8/2013	Normal	**4.6 J**	**1.1**	**2.7**	**2**	**11 a**	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**	<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**	<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
MW47	MW47WG	6/17/2015	Normal	**2.2 JB**	<0.26 U	<0.44 U	<0.3 U	<0.22 U	**2800**	**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**	<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
MW48	MW48WG062315	6/23/2015	Normal	<9.4 U	**230 a**	<4.4 U	<3 U	**97 a**	**720**	**460 J**	<0.11 U
MW48	MW48WG062414	6/24/2014	Normal	<44 U	**900 a**	<8.8 U	<6 U	**500 a**	NA	NA	<0.036 U
MW48	CARMW48620131113	11/13/2013	Normal	<11 U	**290 a**	<2.2 U	<1.5 U	**690 a**	NA	NA	NA
MW49	MW49WG062215	6/22/2015	Normal	**1.4 JB**	**1.7**	<0.44 U	**3.6**	**2**	**1000**	<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	<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
MW50	MW50WG	6/17/2015	Normal	**1.5 JB**	<0.26 U	<0.44 U	<0.3 U	<0.22 U	**1200**	**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	<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

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Groundwater Analytical Results - Detections Only (October 2013 to June 2015)
at Select Non-CO Locations
Carrier Corporation Thompson Road Facility
Syracuse, New York

			Analyte	Acetone	cis-1,2-Dichloroethene	1,1,1-Trichloroethane	1,1-Dichloroethane	Trichloroethene	TPH DRO (C10-C28)	TPH ORO (C28-C40)	Total PCBs
			NYSDEC Groundwater Screening Limit	50	5	5	5	5	NE	NE	0.09*
			Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Sample Location:	Sample ID:	Sample Date:	Sample Type:								
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
PLR05B	PLR05BWG062215	6/22/2015	Normal	**9.1 JB**	**0.44 J**	<0.44 U	**2.3**	<0.22 U	NA	NA	NA
PLR05B	PLR05BWGDUPE062215	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

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Groundwater Analytical Results - Detections Only (October 2013 to June 2015)
at Select Non-CO Locations
Carrier Corporation Thompson Road Facility
Syracuse, New York

			Analyte	Acetone	cis-1,2-Dichloroethene	1,1,1-Trichloroethane	1,1-Dichloroethane	Trichloroethene	TPH DRO (C10-C28)	TPH ORO (C28-C40)	Total PCBs
			NYSDEC Groundwater Screening Limit	50	5	5	5	5	NE	NE	0.09*
			Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Sample Location:	Sample ID:	Sample Date:	Sample Type:								
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
MW54D	MW54DWG062615	6/26/2015	Normal	NA	NA	NA	NA	NA	<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	<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.

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CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

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**	*					
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
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
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

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

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**	*					
Volatile Organic Compounds							
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

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			AR-MW-02	AR-MW-02	AR-MW-03	AR-MW-04	AR-MW-05
Sample ID			AR-MW-02	AR-MW-02	AR-MW03	AR-MW04	AR-MW05
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/14/20	09/23/21	04/18/16	04/18/16	04/18/16
Parameter	**Units**	*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	1 U	1 U	1 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	1 U	1 U	1 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	1 U	1 U	1 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	1 U	1 U	1 U
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.6 U	1 UJ	1 UJ	1 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	0.51 U	1 U	1 U	1 U
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	1 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	5 U	5 U	5 U
Acetone	UG/L	50	6 UR	3.1 UR	3 UR	3 UR	3 UR
Benzene	UG/L	1	0.43 U	0.43 U	0.5 U	0.5 U	0.5 U
Chloroethane	UG/L	5	0.73 U	0.73 U	1 U	1 U	1 U
Chloroform	UG/L	7	0.5 U	0.5 U	1 U	1 U	1 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	NA	NA	NA
Ethylbenzene	UG/L	5	0.6 U	0.6 U	1 U	1 U	1 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	6.9 U	2 UR	2 UR	2 UR
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	NA	NA	NA
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	1 U	1 U	1 U
Toluene	UG/L	5	0.53 U	0.53 U	1 U	1 U	1 U
Trichloroethene	UG/L	5	0.53 U	0.53 U	1 U	1 U	1 U
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	NA	NA	NA
Vinyl chloride	UG/L	2	0.79 U	0.79 U	1 U	1 U	1 U

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			AR-MW-02	AR-MW-02	AR-MW-03	AR-MW-04	AR-MW-05
Sample ID			AR-MW-02	AR-MW-02	AR-MW03	AR-MW04	AR-MW05
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/14/20	09/23/21	04/18/16	04/18/16	04/18/16
Parameter	**Units**	*					
Volatile Organic Compounds							
Xylene (total)	UG/L	5	0.59 U	0.59 U	1 U	1 U	1 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	0.66 U	0.66 U	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	0.16 U	0.16 U	0.16 U

*- 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

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Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			AR-MW-06	AR-MW-06	AR-MW-06	AR-MW-06	AR-MW-06
Sample ID			AR-MW06	AR-MW-06	AR-MW-06	AR-MW-06	AR-MW-06
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/18/16	11/13/17	10/18/18	11/14/19	10/14/20
Parameter	**Units**	*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	1 U	0.51 U	0.54 U	0.54 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	1 U	NA	0.53 U	0.53 U	0.53 U
1,1-Dichloroethane	UG/L	5	0.98 J	0.32 U	0.57 U	0.57 U	0.57 U
1,1-Dichloroethene	UG/L	5	1.6	0.69 U	0.59 U	0.59 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	1 UJ	0.28 U	0.60 U	0.6 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	393	6.78	7.4	2.1	43.4
1,2-Dichloroethene (trans)	UG/L	5	1 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	-	5 U	NA	1.9 U	1.9 U	1.9 U
Acetone	UG/L	50	3 UR	1.65 J	6.0 U	6 UR	6 UR
Benzene	UG/L	1	0.5 U	0.28 U	0.43 U	0.43 U	0.43 U
Chloroethane	UG/L	5	1 U	NA	0.73 U	0.73 U	0.73 U
Chloroform	UG/L	7	1 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	1 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	2 UR	1.07 U	6.9 U	6.9 UR	6.9 UR
Methyl tert-butyl ether	UG/L	10	NA	0.24 U	0.51 U	0.51 U	0.51 U
Tetrachloroethene	UG/L	5	0.61 J	0.57 U	0.90 U	0.9 U	0.9 U
Toluene	UG/L	5	6.4	0.30 U	0.53 U	0.53 U	0.53 U
Trichloroethene	UG/L	5	91.0	4.75	6.5	1.5	5.4
Trichlorofluoromethane	UG/L	5	NA	NA	0.84 U	0.84 U	0.4 U
Vinyl chloride	UG/L	2	16.0	0.50 J	0.79 U	0.79 U	2.1

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Concentration Exceeds

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CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			AR-MW-06	AR-MW-06	AR-MW-06	AR-MW-06	AR-MW-06
Sample ID			AR-MW06	AR-MW-06	AR-MW-06	AR-MW-06	AR-MW-06
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/18/16	11/13/17	10/18/18	11/14/19	10/14/20
Parameter	**Units**	*					
Volatile Organic Compounds							
Xylene (total)	UG/L	5	1 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	0.16 U	NA	NA	NA	NA

*- 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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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			AR-MW-06	AR-SB-02	AR-SB-04	DP-MW-01	DP-MW-02
Sample ID			AR-MW-06	AR-SB02	AR-SB04	DP-MW01	DP-MW02
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/23/21	04/18/16	04/18/16	04/18/16	04/18/16
Parameter	**Units**	*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	1 U	1 U	0.68 UJ	0.68 UJ
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.21 U	0.21 U	0.21 U	0.21 U
1,1-Dichloroethane	UG/L	5	0.57 U	1 U	1 U	0.68 U	0.68 U
1,1-Dichloroethene	UG/L	5	0.59 U	1 U	1 U	0.6 U	0.6 U
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.48 UJ	0.48 UJ	0.48 U	0.48 U
1,2-Dichloroethene (cis)	UG/L	5	49.4	0.29 U	0.52 J	0.34 J	0.29 U
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.50 U	0.50 U	0.5 U	0.5 U
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	1.9 U	0.50 U	0.50 U	0.5 U	0.5 U
Acetone	UG/L	50	3.1 UR	3 UR	3 UR	2.8 U	2.8 U
Benzene	UG/L	1	0.43 U	0.45 U	0.45 U	0.45 U	0.45 U
Chloroethane	UG/L	5	0.73 U	1 U	1 U	0.62 U	0.62 U
Chloroform	UG/L	7	0.5 U	0.41 U	0.41 U	0.41 U	0.41 U
Cyclohexane	UG/L	-	0.78 U	NA	NA	NA	NA
Ethylbenzene	UG/L	5	0.6 U	1 U	1 U	0.53 U	0.53 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 U	2 UR	2 UR	2 U	2 U
Methyl tert-butyl ether	UG/L	10	0.51 U	NA	NA	NA	NA
Tetrachloroethene	UG/L	5	0.9 U	0.45 U	0.45 U	0.45 U	0.45 U
Toluene	UG/L	5	0.53 U	0.49 U	0.49 U	0.49 U	0.49 U
Trichloroethene	UG/L	5	4.0	0.48 U	0.48 U	0.48 U	0.48 U
Trichlorofluoromethane	UG/L	5	0.4 U	NA	NA	NA	NA
Vinyl chloride	UG/L	2	1.7	1 U	1 U	0.69 UJ	0.69 UJ

*- 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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CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			AR-MW-06	AR-SB-02	AR-SB-04	DP-MW-01	DP-MW-02
Sample ID			AR-MW-06	AR-SB02	AR-SB04	DP-MW01	DP-MW02
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/23/21	04/18/16	04/18/16	04/18/16	04/18/16
Parameter	**Units**	*					
Volatile Organic Compounds							
Xylene (total)	UG/L	5	0.59 U	0.22 U	0.22 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	0.51 U	5.7
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	0.055 U	0.063 J	0.055 U	0.046 U

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Concentration Exceeds

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			DP-MW-03	DP-MW-04	DP-MW-04	DP-MW-04	DP-MW-04
Sample ID			DP-MW03	DP-MW04	DP-MW-04	DP-MW-04	DP-MW-04
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/18/16	04/18/16	11/14/17	10/16/18	11/14/19
Parameter	**Units**	*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.68 UJ	0.68 UJ	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	0.32 U	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 U
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	0.33 U	0.51 U	0.51 U
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 U
Acetone	UG/L	50	2.8 U	3.2 J	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 U	0.62 U	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
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
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 U

*- 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

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Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			DP-MW-03	DP-MW-04	DP-MW-04	DP-MW-04	DP-MW-04
Sample ID			DP-MW03	DP-MW04	DP-MW-04	DP-MW-04	DP-MW-04
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/18/16	04/18/16	11/14/17	10/16/18	11/14/19
Parameter	**Units**	*					
Volatile Organic Compounds							
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	0.69 U
bis(2-Ethylhexyl)phthalate	UG/L	5	2.5	0.35 U	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	0.085 U	0.096 U	NA	NA	NA

*- 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

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			DP-MW-04	DP-MW-04	DP-MW-05	DP-MW-05	MW-03D
Sample ID			DP-MW-04	DP-MW-04	DP-FD-041816	DP-MW05	MW-03D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/14/20	09/23/21	04/18/16	04/18/16	11/09/17
Parameter	Units	*			Field Duplicate (1-1)		
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.68 U	0.68 U	0.51 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	0.21 U	0.21 U	NA
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	0.68 U	0.68 U	0.34 J
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	0.6 U	0.6 U	0.69 U
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.6 U	0.48 U	0.48 U	0.28 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	0.51 U	0.29 U	0.29 U	9.78
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 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	-	1.9 U	1.9 U	0.5 U	0.5 U	NA
Acetone	UG/L	50	6 UR	3.1 UR	2.8 UR	2.8 UR	0.80 U
Benzene	UG/L	1	0.43 U	0.43 U	0.45 U	0.45 U	0.28 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.62 UJ	0.62 UJ	NA
Chloroform	UG/L	7	0.5 U	0.5 U	0.41 U	0.41 U	0.33 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	NA	NA	NA
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.53 U	0.53 U	0.33 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	6.9 U	2 U	2 U	1.07 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	NA	NA	0.24 U
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	0.45 U	0.45 U	0.57 U
Toluene	UG/L	5	0.53 U	0.53 U	0.49 U	0.49 U	0.30 U
Trichloroethene	UG/L	5	0.53 U	0.53 U	0.48 U	0.48 U	0.50 U
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	NA	NA	NA
Vinyl chloride	UG/L	2	0.79 U	0.79 U	0.69 UJ	0.69 UJ	0.47 U

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Concentration Exceeds

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CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			DP-MW-04	DP-MW-04	DP-MW-05	DP-MW-05	MW-03D
Sample ID			DP-MW-04	DP-MW-04	DP-FD-041816	DP-MW05	MW-03D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/14/20	09/23/21	04/18/16	04/18/16	11/09/17
Parameter	Units	*			Field Duplicate (1-1)		
Volatile Organic Compounds							
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.22 U	0.22 U	3.00 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	0.66 U	0.69 U	NA	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	0.32 U	2.7	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	NA	0.087 U	0.085 U	NA

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-03D	MW-03D	MW-03D	MW-03D	MW-03S
Sample ID			MW-03D	MW-03D	MW-03D	MW-03D	MW-03S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/16/18	11/13/19	10/13/20	09/21/21	11/09/17
Parameter	**Units**	*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	5.09 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	20.4
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 UJ	0.59 U	0.59 U	6.93 U
1,2-Dichloroethane	UG/L	0.6	0.60 U	0.6 U	0.6 U	0.6 U	2.77 U
1,2-Dichloroethene (cis)	UG/L	5	7.0	7.4	11.9	7.6	729
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	3.77 U
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	114 U
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 UR	1.9 U	1.9 U	NA
Acetone	UG/L	50	6.0 UR	6 UR	6 UR	3.1 U	8.04 U
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	2.84 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	0.73 U	NA
Chloroform	UG/L	7	0.50 U	0.5 U	0.5 U	0.5 U	3.26 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	2.3 J	0.78 U	NA
Ethylbenzene	UG/L	5	0.60 U	0.6 U	0.6 U	0.6 U	3.29 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 UR	6.9 UR	6.9 U	10.7 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	0.51 U	2.37 U
Tetrachloroethene	UG/L	5	0.90 U	0.9 U	0.9 U	0.9 U	5.70 U
Toluene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	2.99 U
Trichloroethene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	4.97 U
Trichlorofluoromethane	UG/L	5	0.84 UJ	0.84 U	0.4 U	0.4 U	NA
Vinyl chloride	UG/L	2	0.79 U	0.79 UJ	1.7	0.79 U	55.3

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-03D	MW-03D	MW-03D	MW-03D	MW-03S
Sample ID			MW-03D	MW-03D	MW-03D	MW-03D	MW-03S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/16/18	11/13/19	10/13/20	09/21/21	11/09/17
Parameter	**Units**	*					
Volatile Organic Compounds							
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	30.0 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	0.0447 U	0.049 U	0.73 U	0.66 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

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-03S	MW-03S	MW-03S	MW-03S	MW-03S
Sample ID			FD-101618	MW-03S	FD-111319-1	MW-03S	FD-101320
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/16/18	10/16/18	11/13/19	11/13/19	10/13/20
Parameter	**Units**	*	Field Duplicate (1-1)		Field Duplicate (1-1)		Field Duplicate (1-1)
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	1.1 U	1.1 U	1.3 U	1.3 U	2.7 U
1,1,2-Trichloroethane	UG/L	1	1.1 U	1.1 U	1.3 U	1.3 U	2.7 U
1,1-Dichloroethane	UG/L	5	23.4	23.2	20.3	19.1	19.0
1,1-Dichloroethene	UG/L	5	6.0	6.3	5.2	4.6	5.5
1,2-Dichloroethane	UG/L	0.6	1.2 U	1.2 U	1.5 U	1.5 U	3 U
1,2-Dichloroethene (cis)	UG/L	5	863 D	805 D	678 D	715 D	783
1,2-Dichloroethene (trans)	UG/L	5	1.5 J	1.5 J	1.7 J	2.1 J	3.4 J
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	3.7 U	3.7 U	4.6 U	4.6 U	9.3 U
Acetone	UG/L	50	12 UR	12 UR	15 UR	15 UR	30 UR
Benzene	UG/L	1	0.85 U	0.85 U	1.1 U	1.1 U	2.1 U
Chloroethane	UG/L	5	1.5 U	1.5 U	1.8 U	1.8 U	3.6 U
Chloroform	UG/L	7	1.0 U	1.0 U	1.3 U	1.3 U	2.5 U
Cyclohexane	UG/L	-	1.6 U	1.6 U	2 U	2 U	3.9 U
Ethylbenzene	UG/L	5	1.2 U	1.2 U	1.5 U	1.5 U	3 U
Isopropylbenzene (Cumene)	UG/L	5	1.3 U	1.3 U	1.6 U	1.6 U	3.2 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	14 U	14 U	17 UR	17 UR	34 UR
Methyl tert-butyl ether	UG/L	10	1.0 U	1.0 U	1.3 U	1.3 U	2.5 U
Tetrachloroethene	UG/L	5	1.8 U	1.8 U	2.2 U	2.2 U	4.5 U
Toluene	UG/L	5	1.1 U	1.1 U	1.3 U	1.3 U	2.7 U
Trichloroethene	UG/L	5	2.9	2.7	2.1 J	1.9 J	2.6 U
Trichlorofluoromethane	UG/L	5	1.7 U	1.7 U	2.1 U	2.1 U	2 U
Vinyl chloride	UG/L	2	47.6	46.1	39.2	34.2	41.6

*- 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

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Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-03S	MW-03S	MW-03S	MW-03S	MW-03S
Sample ID			FD-101618	MW-03S	FD-111319-1	MW-03S	FD-101320
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/16/18	10/16/18	11/13/19	11/13/19	10/13/20
Parameter	**Units**	*	Field Duplicate (1-1)		Field Duplicate (1-1)		Field Duplicate (1-1)
Volatile Organic Compounds							
Xylene (total)	UG/L	5	1.2 U	1.2 U	1.5 U	1.5 U	3 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	2.48	2.58	0.805	0.795	1.2
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

*- 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

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CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-03S	MW-03S	MW-03S	MW-08	MW-09
Sample ID			MW-03S	FD-092121	MW-03S	MW-08	MW-09
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/13/20	09/21/21	09/21/21	02/08/17	11/10/17
Parameter	Units	*		Field Duplicate (1-1)			
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	2.7 U	0.54 U	0.54 U	0.48 U	1.05
1,1,2-Trichloroethane	UG/L	1	2.7 U	0.53 U	0.53 U	NA	NA
1,1-Dichloroethane	UG/L	5	18.1	17.2	20.9	0.32 U	0.32 U
1,1-Dichloroethene	UG/L	5	4.9 J	4.4	4.8	0.69 U	0.69 U
1,2-Dichloroethane	UG/L	0.6	3 U	0.6 U	0.6 U	0.29 U	0.28 U
1,2-Dichloroethene (cis)	UG/L	5	725	581 DJ	703 D	0.26 U	0.33 U
1,2-Dichloroethene (trans)	UG/L	5	3.4 J	0.99 J	1.5	0.32 U	0.38 U
1,4-Dioxane	UG/L	-	NA	NA	NA	12.7 U	11.4 U
4-Methyl-2-pentanone	UG/L	-	9.3 U	1.9 U	1.9 U	NA	NA
Acetone	UG/L	50	30 UR	3.1 UJ	3.1 U	3.44 UJ	0.80 UR
Benzene	UG/L	1	2.1 U	0.43 U	0.43 U	0.28 U	0.28 U
Chloroethane	UG/L	5	3.6 U	0.73 U	0.73 U	NA	NA
Chloroform	UG/L	7	2.5 U	0.5 U	0.5 U	0.41 U	0.33 U
Cyclohexane	UG/L	-	3.9 U	0.78 U	0.78 U	NA	NA
Ethylbenzene	UG/L	5	3 U	0.6 U	0.6 U	0.30 U	0.33 U
Isopropylbenzene (Cumene)	UG/L	5	3.2 U	0.65 U	0.65 U	NA	NA
Methyl ethyl ketone (2-Butanone)	UG/L	50	34 UR	6.9 U	6.9 U	1.20 U	1.07 UR
Methyl tert-butyl ether	UG/L	10	2.5 U	0.51 U	0.51 U	0.28 U	0.24 U
Tetrachloroethene	UG/L	5	4.5 U	0.9 U	0.9 U	0.57 UJ	0.57 U
Toluene	UG/L	5	2.7 U	0.53 U	0.53 U	0.28 U	0.30 U
Trichloroethene	UG/L	5	2.6 U	1.3	1.6	0.38 UJ	2.84
Trichlorofluoromethane	UG/L	5	2 U	0.4 U	0.4 U	NA	NA
Vinyl chloride	UG/L	2	38.9	35.7	38.6	0.51 U	0.47 U

*- 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

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-03S	MW-03S	MW-03S	MW-08	MW-09
Sample ID			MW-03S	FD-092121	MW-03S	MW-08	MW-09
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/13/20	09/21/21	09/21/21	02/08/17	11/10/17
Parameter	**Units**	*		Field Duplicate (1-1)			
Volatile Organic Compounds							
Xylene (total)	UG/L	5	3 U	0.59 U	0.59 U	0.38 U	3.00 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	1.1	0.90 J	0.66 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	0.151 U	NA

*- 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

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-09	MW-09	MW-09	MW-09	MW-09
Sample ID			MW-09	FD-111419-1	MW-09	MW-09	MW-09
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/15/18	11/14/19	11/14/19	10/13/20	09/21/21
Parameter	Units	*		Field Duplicate (1-1)			
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	1.0	0.54 U	0.62 J	1.1	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	0.62 J	0.57 U	0.57 U	1.0	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	1.2	0.51 UJ
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	6 UR	3.1 UJ
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	6.9 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Tetrachloroethene	UG/L	5	0.90 U	0.9 U	0.9 U	0.9 U	0.9 U
Toluene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Trichloroethene	UG/L	5	2.9	2.1	2.3	3.8	2.6
Trichlorofluoromethane	UG/L	5	0.84 UJ	0.84 U	0.84 U	0.4 U	0.4 U
Vinyl chloride	UG/L	2	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-09	MW-09	MW-09	MW-09	MW-09
Sample ID			MW-09	FD-111419-1	MW-09	MW-09	MW-09
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/15/18	11/14/19	11/14/19	10/13/20	09/21/21
Parameter	Units	*		Field Duplicate (1-1)			
Volatile Organic Compounds							
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

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-10	MW-10	MW-10	MW-10	MW-10
Sample ID			MW-10	MW-10	MW-10	MW-10	MW-10
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/09/17	10/16/18	11/13/19	10/15/20	09/22/21
Parameter	**Units**	*					
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	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 UR	1.9 U	1.9 U
Acetone	UG/L	50	0.80 UR	6.0 UR	6 UR	6 UR	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 UR	6.9 UR
Methyl tert-butyl ether	UG/L	10	0.31 J	0.51 U	0.51 U	0.51 U	0.51 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
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 UJ	0.79 U	0.79 U

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-10	MW-10	MW-10	MW-10	MW-10
Sample ID			MW-10	MW-10	MW-10	MW-10	MW-10
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/09/17	10/16/18	11/13/19	10/15/20	09/22/21
Parameter	**Units**	*					
Volatile Organic Compounds							
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	0.0447 U	0.0491 J	0.66 U	0.66 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

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Flags assigned during chemistry validation are shown.

Concentration Exceeds

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CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-14	MW-14	MW-14	MW-14	MW-14
Sample ID			MW-14	MW-14	MW-14	MW-14	MW-14
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/13/17	10/19/18	11/15/19	10/16/20	09/24/21
Parameter	**Units**	*					
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	1.43 J	6.0 U	6 UR	6 UR	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
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
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

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Flags assigned during chemistry validation are shown.

Concentration Exceeds

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CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-14	MW-14	MW-14	MW-14	MW-14
Sample ID			MW-14	MW-14	MW-14	MW-14	MW-14
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/13/17	10/19/18	11/15/19	10/16/20	09/24/21
Parameter	**Units**	*					
Volatile Organic Compounds							
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	1.63	0.71 J	0.73 U	0.66 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

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Concentration Exceeds

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Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

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			10/19/18	11/15/19	10/16/20	09/24/21	11/10/17
Parameter	**Units**	*					
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
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
Trichlorofluoromethane	UG/L	5	NA	NA	NA	NA	NA
Vinyl chloride	UG/L	2	NA	NA	NA	NA	0.47 U

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

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			10/19/18	11/15/19	10/16/20	09/24/21	11/10/17
Parameter	**Units**	*					
Volatile Organic Compounds							
Xylene (total)	UG/L	5	NA	NA	NA	NA	3.00 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	0.171 J	0.69 U	0.67 U	0.73 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

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CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-17	MW-17	MW-17	MW-17	MW-18
Sample ID			MW-17	MW-17	MW-17	MW-17	MW-18
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/16/18	11/13/19	10/15/20	09/22/21	11/13/17
Parameter	**Units**	*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	50.9 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	51.0 J
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 UJ	0.59 U	0.59 U	69.3 U
1,2-Dichloroethane	UG/L	0.6	0.60 U	0.6 U	0.6 U	0.6 U	27.7 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	0.51 U	0.51 U	0.51 U	6,640
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	38.0 J
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	1,140 U
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 UR	1.9 U	1.9 U	NA
Acetone	UG/L	50	6.0 UR	6 UR	6 UR	3.1 U	80.4 U
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	28.4 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	0.73 U	NA
Chloroform	UG/L	7	0.50 U	0.5 U	0.5 U	0.5 U	32.6 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	0.78 U	0.78 U	NA
Ethylbenzene	UG/L	5	0.60 U	0.6 U	0.6 U	0.6 U	32.9 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 UR	6.9 UR	6.9 UR	107 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	0.51 U	23.7 U
Tetrachloroethene	UG/L	5	0.90 U	0.9 U	0.9 U	0.9 U	57.0 U
Toluene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	29.9 U
Trichloroethene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	3,950
Trichlorofluoromethane	UG/L	5	0.84 UJ	0.84 U	0.4 U	0.4 U	NA
Vinyl chloride	UG/L	2	0.79 U	0.79 UJ	0.79 U	0.79 U	1,840

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Concentration Exceeds

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-17	MW-17	MW-17	MW-17	MW-18
Sample ID			MW-17	MW-17	MW-17	MW-17	MW-18
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/16/18	11/13/19	10/15/20	09/22/21	11/13/17
Parameter	**Units**	*					
Volatile Organic Compounds							
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.59 U	300 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	0.0447 U	0.049 U	0.66 U	0.66 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

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Concentration Exceeds

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Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-18	MW-18	MW-18	MW-18	MW-18
Sample ID			MW-18	MW-18	FD-101620	MW-18	MW-18
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/19/18	11/18/19	10/16/20	10/16/20	09/23/21
Parameter	Units	*			Field Duplicate (1-1)		
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	27 U	11 U	13 U	13 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	27 U	11 U	13 U	13 U	0.53 U
1,1-Dichloroethane	UG/L	5	39.4 J	32.3	25.3	24.1	28.1
1,1-Dichloroethene	UG/L	5	62.2	43.4	28.2	26.8	20.1
1,2-Dichloroethane	UG/L	0.6	30 U	12 U	15 U	15 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	13,100 D	7,160 D	5,650	5,850	3,160 D
1,2-Dichloroethene (trans)	UG/L	5	54.7	53.4	40.3	61.9	32.3
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	93 U	58.1 J	46 U	46 U	1.9 U
Acetone	UG/L	50	300 U	120 UR	150 U	150 U	3.1 UR
Benzene	UG/L	1	21 U	8.5 U	11 U	11 U	0.43 U
Chloroethane	UG/L	5	36 U	15 U	18 U	18 U	0.73 U
Chloroform	UG/L	7	25 U	10 U	13 U	13 U	0.5 U
Cyclohexane	UG/L	-	39 U	54.5 J	20 U	20 U	0.78 U
Ethylbenzene	UG/L	5	30 U	12 U	15 U	15 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	32 U	13 U	16 U	16 U	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	340 U	243 J	170 UR	170 UR	6.9 U
Methyl tert-butyl ether	UG/L	10	25 U	10 U	13 U	13 U	0.51 U
Tetrachloroethene	UG/L	5	45 U	18 U	22 U	22 U	0.9 U
Toluene	UG/L	5	27 U	11 U	13 U	13 U	0.53 U
Trichloroethene	UG/L	5	6,980	2,810	3,480	3,420	441 D
Trichlorofluoromethane	UG/L	5	42 U	17 U	10 U	10 U	0.4 U
Vinyl chloride	UG/L	2	1,830	769	580	539	781 DJ

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-18	MW-18	MW-18	MW-18	MW-18
Sample ID			MW-18	MW-18	FD-101620	MW-18	MW-18
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/19/18	11/18/19	10/16/20	10/16/20	09/23/21
Parameter	Units	*			Field Duplicate (1-1)		
Volatile Organic Compounds							
Xylene (total)	UG/L	5	30 U	12 U	15 U	15 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

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Flags assigned during chemistry validation are shown.

Concentration Exceeds

Only Detected Results Reported.

Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-19	MW-19	MW-19	MW-19	MW-19
Sample ID			MW-19	MW-19	MW-19	FD-101520	MW-19
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/09/17	10/17/18	11/13/19	10/15/20	10/15/20
Parameter	**Units**	*				Field Duplicate (1-1)	
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.51 U	0.54 U	0.54 U	NA	0.54 U
1,1,2-Trichloroethane	UG/L	1	NA	0.53 U	0.53 U	NA	0.53 U
1,1-Dichloroethane	UG/L	5	0.32 U	0.57 U	0.57 U	NA	0.57 U
1,1-Dichloroethene	UG/L	5	0.69 U	0.59 U	0.59 UJ	NA	0.59 U
1,2-Dichloroethane	UG/L	0.6	0.28 U	0.60 U	0.6 U	NA	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	0.33 U	0.51 U	0.55 J	NA	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	0.38 U	0.54 U	0.54 U	NA	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	NA	1.9 U
Acetone	UG/L	50	0.80 UR	6.0 U	6 UR	NA	6 UR
Benzene	UG/L	1	0.28 U	0.43 U	0.43 U	NA	0.43 U
Chloroethane	UG/L	5	NA	0.73 U	0.73 U	NA	0.73 U
Chloroform	UG/L	7	0.33 U	0.50 U	0.5 U	NA	0.5 U
Cyclohexane	UG/L	-	NA	0.78 U	0.78 U	NA	0.78 U
Ethylbenzene	UG/L	5	0.33 U	0.60 U	0.6 U	NA	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	NA	0.65 U	0.65 U	NA	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	1.07 UR	6.9 U	6.9 UR	NA	6.9 UR
Methyl tert-butyl ether	UG/L	10	0.24 U	0.51 U	0.51 U	NA	0.51 U
Tetrachloroethene	UG/L	5	0.57 U	0.90 U	0.9 U	NA	0.9 U
Toluene	UG/L	5	0.30 U	0.53 U	0.53 U	NA	0.53 U
Trichloroethene	UG/L	5	1.25	1.1	1.1	NA	1.3
Trichlorofluoromethane	UG/L	5	NA	0.84 U	0.84 U	NA	0.4 U
Vinyl chloride	UG/L	2	0.47 U	0.79 U	0.79 UJ	NA	0.79 U

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-19	MW-19	MW-19	MW-19	MW-19
Sample ID			MW-19	MW-19	MW-19	FD-101520	MW-19
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/09/17	10/17/18	11/13/19	10/15/20	10/15/20
Parameter	**Units**	*				Field Duplicate (1-1)	
Volatile Organic Compounds							
Xylene (total)	UG/L	5	3.00 U	0.59 U	0.59 U	NA	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	0.121 U	0.121 U	0.28 U	0.28 U	0.28 U

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-19	MW-19	MW-21	MW-21	MW-21
Sample ID			FD-092221	MW-19	MW-21	MW-21	MW-21
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/22/21	09/22/21	11/10/17	10/17/18	11/15/19
Parameter	**Units**	*	Field Duplicate (1-1)				
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	NA	0.54 U	0.51 U	0.54 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	NA	0.53 U	NA	0.53 U	0.53 U
1,1-Dichloroethane	UG/L	5	NA	0.57 U	0.32 U	0.57 U	0.57 U
1,1-Dichloroethene	UG/L	5	NA	0.59 U	0.69 U	0.59 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	NA	0.6 U	0.28 U	0.60 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	NA	2.8	1.04	0.54 J	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	NA	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	-	NA	1.9 U	NA	1.9 U	1.9 U
Acetone	UG/L	50	NA	3.1 U	0.80 UR	6.0 U	6 UR
Benzene	UG/L	1	NA	0.43 U	0.28 U	0.43 U	0.43 U
Chloroethane	UG/L	5	NA	0.73 U	NA	0.73 U	0.73 U
Chloroform	UG/L	7	NA	0.5 U	0.33 U	0.50 U	0.5 U
Cyclohexane	UG/L	-	NA	0.78 U	NA	0.78 U	0.78 U
Ethylbenzene	UG/L	5	NA	0.6 U	0.33 U	0.60 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	NA	0.65 U	NA	0.65 U	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	NA	6.9 UR	1.07 UR	6.9 U	6.9 UR
Methyl tert-butyl ether	UG/L	10	NA	0.51 U	0.24 U	0.51 U	0.51 U
Tetrachloroethene	UG/L	5	NA	0.9 U	0.57 U	0.90 U	0.9 U
Toluene	UG/L	5	NA	0.53 U	0.30 U	0.53 U	0.53 U
Trichloroethene	UG/L	5	NA	1.1	5.23	0.57 J	5.0
Trichlorofluoromethane	UG/L	5	NA	0.4 U	NA	0.84 U	0.84 U
Vinyl chloride	UG/L	2	NA	0.79 U	0.47 U	0.79 U	0.79 U

*- 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

Only Detected Results Reported.

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CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-19	MW-19	MW-21	MW-21	MW-21
Sample ID			FD-092221	MW-19	MW-21	MW-21	MW-21
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/22/21	09/22/21	11/10/17	10/17/18	11/15/19
Parameter	**Units**	*	Field Duplicate (1-1)				
Volatile Organic Compounds							
Xylene (total)	UG/L	5	NA	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	0.28 U	0.28 U	NA	NA	NA

*- 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

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Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

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			10/14/20	09/22/21	11/09/17	11/09/17	10/17/18
Parameter	Units	*			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	2.8	1.6	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	6 UR	3.1 U	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	6.9 UR	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
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	57.0 U	57.0 U	0.90 U
Toluene	UG/L	5	0.53 U	0.53 U	81.0 J	87.0 J	48.3
Trichloroethene	UG/L	5	0.61 J	1.9	491	318	168 D
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	NA	NA	0.84 U
Vinyl chloride	UG/L	2	0.79 U	0.79 U	233	227	221 D

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

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			10/14/20	09/22/21	11/09/17	11/09/17	10/17/18
Parameter	Units	*			Field Duplicate (1-1)		
Volatile Organic Compounds							
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

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Concentration Exceeds

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CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-23	MW-23	MW-23	MW-26	MW-26
Sample ID			MW-23	MW-23	MW-23	MW-26	MW-26
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/13/19	10/15/20	09/22/21	11/09/17	10/17/18
Parameter	**Units**	*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	84.4	108	51.9	1.17	1.1
1,1,2-Trichloroethane	UG/L	1	2.7 U	2.7 U	2.7 U	NA	0.53 U
1,1-Dichloroethane	UG/L	5	178	249	142	0.52 J	0.57 U
1,1-Dichloroethene	UG/L	5	13.7	11.1	12.9	0.69 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	3 U	3 U	3 U	0.28 U	0.60 U
1,2-Dichloroethene (cis)	UG/L	5	1,930 D	1,880	1,440 D	0.33 U	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	10.6	15.7	11.7	0.38 U	0.54 U
1,4-Dioxane	UG/L	-	NA	NA	NA	11.4 U	NA
4-Methyl-2-pentanone	UG/L	-	9.3 U	9.3 U	9.3 U	NA	1.9 U
Acetone	UG/L	50	30 UR	30 U	15 U	0.80 U	6.0 U
Benzene	UG/L	1	2.1 U	2.1 U	2.1 U	0.28 U	0.43 U
Chloroethane	UG/L	5	12.4	11.5	3.6 U	NA	0.73 U
Chloroform	UG/L	7	2.5 U	2.5 U	2.5 U	0.33 U	0.50 U
Cyclohexane	UG/L	-	3.9 U	3.9 U	3.9 U	NA	0.78 U
Ethylbenzene	UG/L	5	15.5	18.4	12.8	0.33 U	0.60 U
Isopropylbenzene (Cumene)	UG/L	5	3.2 U	3.2 U	3.2 U	NA	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	34 UR	34 U	34 UR	1.07 U	6.9 U
Methyl tert-butyl ether	UG/L	10	2.5 U	2.5 U	2.5 U	0.24 U	0.51 U
Tetrachloroethene	UG/L	5	4.5 U	4.5 U	4.5 U	1.13	1.2
Toluene	UG/L	5	31.3	13.9	2.7 U	0.30 U	0.53 U
Trichloroethene	UG/L	5	202	128	182	8.17	9.0
Trichlorofluoromethane	UG/L	5	4.2 U	2 U	2 U	NA	0.84 U
Vinyl chloride	UG/L	2	64.7	255	53.9	0.47 U	0.79 U

*- 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

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Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-23	MW-23	MW-23	MW-26	MW-26
Sample ID			MW-23	MW-23	MW-23	MW-26	MW-26
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/13/19	10/15/20	09/22/21	11/09/17	10/17/18
Parameter	**Units**	*					
Volatile Organic Compounds							
Xylene (total)	UG/L	5	10.3	5.1	3 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	0.28 U	0.28 U	0.28 U	0.120 U	0.117 U

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Concentration Exceeds

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Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-26	MW-26	MW-26	MW-38	MW-38
Sample ID			MW-26	MW-26	MW-26	MW-38	MW-38
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/13/19	10/15/20	09/22/21	11/09/17	10/17/18
Parameter	**Units**	*					
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	1.5	0.57 U	0.32 U	0.57 U
1,1-Dichloroethene	UG/L	5	0.59 UJ	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	5.5	0.51 U	8.12	11.5
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 UR	1.9 U	1.9 U	NA	1.9 U
Acetone	UG/L	50	6 UR	6 U	3.1 U	0.80 UR	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 U	6.9 UR	1.07 UR	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
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	0.9 U	0.57 U	0.90 U
Toluene	UG/L	5	0.53 U	0.53 U	0.53 U	0.30 U	0.53 U
Trichloroethene	UG/L	5	1.9	6.0	1.4	21.0	17.0
Trichlorofluoromethane	UG/L	5	0.84 U	0.4 U	0.4 U	NA	3.1
Vinyl chloride	UG/L	2	0.79 UJ	2.5	0.79 U	0.47 U	0.79 U

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-26	MW-26	MW-26	MW-38	MW-38
Sample ID			MW-26	MW-26	MW-26	MW-38	MW-38
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/13/19	10/15/20	09/22/21	11/09/17	10/17/18
Parameter	**Units**	*					
Volatile Organic Compounds							
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	0.28 U	0.28 U	0.29 U	0.126 U	0.125 U

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-38	MW-38	MW-38	MW-44	MW-44
Sample ID			MW-38	MW-38	MW-38	MW-44	FD-101818
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/13/19	10/15/20	09/22/21	11/10/17	10/18/18
Parameter	**Units**	*					Field Duplicate (1-1)
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	1.41	1.0
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	1.1
1,1-Dichloroethene	UG/L	5	0.59 UJ	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	3.0	0.59 J	0.33 U	1.3
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 UR	1.9 U	1.9 U	NA	1.9 U
Acetone	UG/L	50	6 UR	6 U	3.1 U	0.80 UR	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 U	6.9 UR	1.07 UR	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
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	0.9 U	0.57 U	0.90 U
Toluene	UG/L	5	0.53 U	0.53 U	0.53 U	0.30 U	0.53 U
Trichloroethene	UG/L	5	4.7	5.6	8.1	4.99	6.3
Trichlorofluoromethane	UG/L	5	3.5	3.5	4.1	NA	0.84 U
Vinyl chloride	UG/L	2	0.79 UJ	0.79 U	0.79 U	0.47 U	0.79 U

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-38	MW-38	MW-38	MW-44	MW-44
Sample ID			MW-38	MW-38	MW-38	MW-44	FD-101818
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/13/19	10/15/20	09/22/21	11/10/17	10/18/18
Parameter	**Units**	*					Field Duplicate (1-1)
Volatile Organic Compounds							
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	3.00 U	0.90 J
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	0.116 U	0.116 U

*- 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

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-44	MW-44	MW-44	MW-44	MW-44
Sample ID			MW-44	FD-111519	MW-44	MW-44	MW-44
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/18/18	11/15/19	11/15/19	10/14/20	09/23/21
Parameter	**Units**	*		Field Duplicate (1-1)			
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.99 J	1.3	1.3	0.85 J	0.70 J
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	1.1	0.57 U	0.57 U	0.92 J	0.65 J
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	1.4	0.51 U	0.51 U	1.9	0.81 J
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	0.54 U	0.61 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 UR	6 UR	3.1 UR
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	6.9 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Tetrachloroethene	UG/L	5	0.90 U	0.9 U	0.9 U	0.9 U	0.9 U
Toluene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Trichloroethene	UG/L	5	6.3	4.7	4.2	38.7	5.2
Trichlorofluoromethane	UG/L	5	0.84 U	0.84 U	0.84 U	0.4 U	0.4 U
Vinyl chloride	UG/L	2	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-44	MW-44	MW-44	MW-44	MW-44
Sample ID			MW-44	FD-111519	MW-44	MW-44	MW-44
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/18/18	11/15/19	11/15/19	10/14/20	09/23/21
Parameter	**Units**	*		Field Duplicate (1-1)			
Volatile Organic Compounds							
Xylene (total)	UG/L	5	0.94 J	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	0.115 U	0.28 U	0.28 U	0.28 U	0.28 U

*- 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

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CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

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			11/14/17	10/18/18	11/15/19	10/14/20	09/23/21
Parameter	**Units**	*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	2.54 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	1.62 U	0.57 U	0.57 U	0.57 U	0.57 U
1,1-Dichloroethene	UG/L	5	3.46 U	0.59 U	0.59 U	0.59 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	1.38 U	0.60 U	0.6 U	0.6 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	26.2	12.5	17.0	1.7	11.5
1,2-Dichloroethene (trans)	UG/L	5	6.05	3.0	3.9	0.54 U	2.3
1,4-Dioxane	UG/L	-	57.0 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	4.02 U	6.0 U	6 UR	6 UR	3.1 UR
Benzene	UG/L	1	1.42 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	1.63 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	1.64 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	5.35 U	6.9 U	6.9 UR	6.9 UR	6.9 U
Methyl tert-butyl ether	UG/L	10	1.18 U	0.51 U	0.51 U	0.51 U	0.51 U
Tetrachloroethene	UG/L	5	2.85 U	0.90 U	0.9 U	0.9 U	0.9 U
Toluene	UG/L	5	1.50 U	0.53 U	0.53 U	0.53 U	0.53 U
Trichloroethene	UG/L	5	226	119	162	18.8	109
Trichlorofluoromethane	UG/L	5	NA	0.84 U	0.84 U	0.4 U	0.4 U
Vinyl chloride	UG/L	2	2.36 U	0.79 U	1.2	0.79 U	1.2

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

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			11/14/17	10/18/18	11/15/19	10/14/20	09/23/21
Parameter	**Units**	*					
Volatile Organic Compounds							
Xylene (total)	UG/L	5	15.0 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

*- 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

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CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

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**	*					
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
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
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

*- 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

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

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**	*					
Volatile Organic Compounds							
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

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Flags assigned during chemistry validation are shown.

Concentration Exceeds

Only Detected Results Reported.

Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-50	MW-50	MW-50	MW-50	MW-50
Sample ID			MW-50	MW-50	MW-50	MW-50	MW-50
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/13/17	10/19/18	11/15/19	10/14/20	09/23/21
Parameter	**Units**	*					
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	0.66 J	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	0.70 U	0.56 J	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 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
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	0.90 U	0.70 J	0.53 U	0.53 U	0.53 U
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

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-50	MW-50	MW-50	MW-50	MW-50
Sample ID			MW-50	MW-50	MW-50	MW-50	MW-50
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/13/17	10/19/18	11/15/19	10/14/20	09/23/21
Parameter	**Units**	*					
Volatile Organic Compounds							
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

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-57	MW-57	MW-57	MW-57	MW-57
Sample ID			MW-57	MW-57	MW-57	MW-57	MW-57
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/13/17	10/19/18	11/18/19	10/16/20	09/23/21
Parameter	**Units**	*					
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	1.7	1.2	1.1	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	88.3	164 D	317 D	298	93.5
1,2-Dichloroethene (trans)	UG/L	5	0.45 J	1.6	0.81 J	1.3	0.75 J
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 UJ
Acetone	UG/L	50	0.80 U	6.0 U	6 U	6 U	3.1 UJ
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
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	1.77	2.2	0.96 J	0.53 U	1.4
Trichlorofluoromethane	UG/L	5	NA	0.84 U	0.84 U	0.4 U	0.4 U
Vinyl chloride	UG/L	2	37.5	115	270 D	394	324 D

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-57	MW-57	MW-57	MW-57	MW-57
Sample ID			MW-57	MW-57	MW-57	MW-57	MW-57
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/13/17	10/19/18	11/18/19	10/16/20	09/23/21
Parameter	**Units**	*					
Volatile Organic Compounds							
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

*- 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

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-58	MW-58	MW-58	MW-58	MW-58
Sample ID			MW-58	MW-58	MW-58	MW-58	MW-58
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**	*					
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	26.5	25.9	27.5	52.5	39.8
1,2-Dichloroethene (trans)	UG/L	5	0.44 J	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
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	5.03	3.3	2.4	6.2	17.7
Trichlorofluoromethane	UG/L	5	NA	0.84 U	0.84 U	0.4 U	0.4 U
Vinyl chloride	UG/L	2	8.20	1.9	0.79 U	39.2	2.0

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-58	MW-58	MW-58	MW-58	MW-58
Sample ID			MW-58	MW-58	MW-58	MW-58	MW-58
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**	*					
Volatile Organic Compounds							
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

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

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			11/13/17	10/18/18	11/18/19	10/16/20	09/24/21
Parameter	**Units**	*					
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	0.76 J
1,1-Dichloroethene	UG/L	5	0.69 U	0.70 J	0.59 U	0.59 U	0.65 J
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	185 D	233 D	174	175	198
1,2-Dichloroethene (trans)	UG/L	5	1.65	1.3	6.5	1.1	1.6
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
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	16.1	14.8	14.1	11.6
Trichlorofluoromethane	UG/L	5	NA	0.84 U	0.84 U	0.4 U	0.4 U
Vinyl chloride	UG/L	2	21.4	6.3	3.1	3.0	3.4

*- 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

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Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

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			11/13/17	10/18/18	11/18/19	10/16/20	09/24/21
Parameter	**Units**	*					
Volatile Organic Compounds							
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

*- 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

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Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

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**	*					
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
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
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

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

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**	*					
Volatile Organic Compounds							
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

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-69	MW-70	MW-70	MW-70	MW-70
Sample ID			MW-69	MW-70	MW-70	MW-70	MW-70
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/21/21	02/08/17	11/10/17	10/16/18	11/15/19
Parameter	**Units**	*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 UJ	0.48 U	0.51 U	0.54 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	0.53 UJ	NA	NA	0.53 U	0.53 U
1,1-Dichloroethane	UG/L	5	24.4 J	0.32 U	0.32 U	0.57 U	0.57 U
1,1-Dichloroethene	UG/L	5	7.1 J	0.69 U	0.69 U	0.59 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	0.6 UJ	0.29 U	0.28 U	0.60 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	254 DJ	0.26 U	0.33 U	0.51 U	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	8.9 J	0.32 U	0.38 U	0.54 U	0.54 U
1,4-Dioxane	UG/L	-	NA	12.7 U	16.2 J	NA	NA
4-Methyl-2-pentanone	UG/L	-	1.9 UJ	NA	NA	1.9 U	1.9 U
Acetone	UG/L	50	3.1 UJ	3.44 UJ	0.80 UR	6.0 UR	6 UR
Benzene	UG/L	1	0.56 J	0.28 U	0.28 U	0.43 U	0.43 U
Chloroethane	UG/L	5	0.73 UJ	NA	NA	0.73 U	0.73 U
Chloroform	UG/L	7	0.5 UJ	0.41 U	0.33 U	0.50 U	0.5 U
Cyclohexane	UG/L	-	0.78 UJ	NA	NA	0.78 U	0.78 U
Ethylbenzene	UG/L	5	0.6 UJ	0.30 U	0.33 U	0.60 U	0.6 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 UJ	NA	NA	0.65 U	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 UR	1.20 U	1.07 UR	6.9 U	6.9 UR
Methyl tert-butyl ether	UG/L	10	0.51 UJ	0.28 U	0.24 U	0.51 U	0.51 U
Tetrachloroethene	UG/L	5	3.6 J	0.57 UJ	0.57 U	0.90 U	0.9 U
Toluene	UG/L	5	0.53 UJ	0.28 U	0.30 U	0.53 U	0.53 U
Trichloroethene	UG/L	5	1,250 DJ	0.38 UJ	0.50 U	0.53 U	0.53 U
Trichlorofluoromethane	UG/L	5	0.4 UJ	NA	NA	0.84 UJ	0.84 U
Vinyl chloride	UG/L	2	38.7 J	0.51 U	0.47 U	0.79 U	0.79 U

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-69	MW-70	MW-70	MW-70	MW-70
Sample ID			MW-69	MW-70	MW-70	MW-70	MW-70
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/21/21	02/08/17	11/10/17	10/16/18	11/15/19
Parameter	**Units**	*					
Volatile Organic Compounds							
Xylene (total)	UG/L	5	0.59 UJ	0.38 U	3.00 U	0.59 U	0.59 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	NA	NA	NA	8.67	2.9
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	NA	0.149 U	NA	NA	NA

*- 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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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-70	MW-70	MW-71	MW-71	MW-71
Sample ID			MW-70	MW-70	Dup-1	MW-71	MW-71
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/13/20	09/22/21	02/02/17	02/02/17	11/09/17
Parameter	Units	*			Field Duplicate (1-1)		
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.48 U	0.48 U	0.51 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	0.59 U	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	0.28 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	0.51 U	29.0	31.4	67.7
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	1.91	1.85	4.05
1,4-Dioxane	UG/L	-	NA	NA	13.3 J	12.7 U	11.4 U
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	NA	NA	NA
Acetone	UG/L	50	6 UR	3.1 U	3.44 UJ	3.44 UJ	1.60 J
Benzene	UG/L	1	0.43 U	0.43 U	0.28 U	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	0.33 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	0.33 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	6.9 UR	1.20 U	1.20 U	1.07 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.28 U	0.28 U	0.24 U
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	0.57 UJ	0.57 UJ	0.57 U
Toluene	UG/L	5	0.53 U	0.53 U	0.28 U	0.28 U	0.30 U
Trichloroethene	UG/L	5	0.53 U	0.53 U	37.2	40.1	89.3 D
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	NA	NA	NA
Vinyl chloride	UG/L	2	0.79 U	0.79 U	3.01	3.54	8.79

*- 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

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-70	MW-70	MW-71	MW-71	MW-71
Sample ID			MW-70	MW-70	Dup-1	MW-71	MW-71
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/13/20	09/22/21	02/02/17	02/02/17	11/09/17
Parameter	Units	*			Field Duplicate (1-1)		
Volatile Organic Compounds							
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.38 U	0.38 U	3.00 U
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	3.6	1.5	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	0.262 U	NA

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-71	MW-71	MW-71	MW-71	MW-72
Sample ID			MW-71	MW-71	MW-71	MW-71	MW-72
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/16/18	11/13/19	10/15/20	09/22/21	02/01/17
Parameter	**Units**	*					
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	0.73 J	0.59 U	0.59 U	0.60 J	0.69 U
1,2-Dichloroethane	UG/L	0.6	0.60 U	0.6 U	0.6 U	0.6 U	0.29 U
1,2-Dichloroethene (cis)	UG/L	5	73.9	40.8	18.7	45.6	1.12
1,2-Dichloroethene (trans)	UG/L	5	4.8	2.7	1.1	3.2	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	6.0 UR	6 UR	6 UR	3.1 U	3.44 U
Benzene	UG/L	1	0.43 U	0.43 U	0.43 U	0.43 U	0.29 J
Chloroethane	UG/L	5	0.73 U	0.73 U	0.73 U	0.73 U	NA
Chloroform	UG/L	7	0.50 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	0.60 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 UR	6.9 UR	6.9 UR	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
Tetrachloroethene	UG/L	5	0.90 U	0.9 U	0.9 U	0.9 U	0.57 U
Toluene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	0.28 U
Trichloroethene	UG/L	5	123	66.8	30.3	84.5	1.93
Trichlorofluoromethane	UG/L	5	1.6 J	0.84 U	0.4 U	0.71 J	NA
Vinyl chloride	UG/L	2	8.9	6.2	6.2	8.0	0.51 U

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-71	MW-71	MW-71	MW-71	MW-72
Sample ID			MW-71	MW-71	MW-71	MW-71	MW-72
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/16/18	11/13/19	10/15/20	09/22/21	02/01/17
Parameter	**Units**	*					
Volatile Organic Compounds							
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	-	9.53	2.55	2.5	2.1	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	0.262 U

*- 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

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Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-73	MW-74	MW-75	MW-75	MW-75
Sample ID			MW-73	MW-74	MW-75	MW-75	MW-75
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			02/01/17	02/01/17	02/02/17	11/10/17	10/15/18
Parameter	**Units**	*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.48 U	0.48 U	0.48 U	0.51 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	NA	NA	NA	NA	0.53 U
1,1-Dichloroethane	UG/L	5	0.32 U	0.32 U	0.32 U	0.32 U	0.57 U
1,1-Dichloroethene	UG/L	5	0.69 U	0.69 U	0.69 U	0.69 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	0.29 U	0.29 U	0.29 U	0.28 U	0.60 U
1,2-Dichloroethene (cis)	UG/L	5	0.26 U	0.26 U	0.26 U	0.33 U	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	0.32 U	0.32 U	0.32 U	0.38 U	0.54 U
1,4-Dioxane	UG/L	-	12.7 U	12.7 U	12.7 U	11.4 U	NA
4-Methyl-2-pentanone	UG/L	-	NA	NA	NA	NA	1.9 U
Acetone	UG/L	50	3.44 U	3.44 U	3.44 UJ	0.80 UR	6.0 UR
Benzene	UG/L	1	0.28 U	0.28 U	0.28 U	0.28 U	0.43 U
Chloroethane	UG/L	5	NA	NA	NA	NA	0.73 U
Chloroform	UG/L	7	0.41 U	0.41 U	0.41 U	0.51 J	0.50 U
Cyclohexane	UG/L	-	NA	NA	NA	NA	0.78 U
Ethylbenzene	UG/L	5	0.30 U	0.30 U	0.30 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	1.20 U	1.20 U	1.20 U	1.07 UR	6.9 U
Methyl tert-butyl ether	UG/L	10	0.28 U	0.28 U	0.28 U	0.24 U	0.51 U
Tetrachloroethene	UG/L	5	0.57 U	0.57 U	0.57 UJ	0.57 U	0.90 U
Toluene	UG/L	5	0.28 U	0.28 U	0.28 U	0.30 U	0.53 U
Trichloroethene	UG/L	5	0.38 U	0.38 U	1.15	0.96 J	0.72 J
Trichlorofluoromethane	UG/L	5	NA	NA	NA	NA	0.84 UJ
Vinyl chloride	UG/L	2	0.51 U	0.51 U	0.51 U	0.47 U	0.79 U

*- 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

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CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-73	MW-74	MW-75	MW-75	MW-75
Sample ID			MW-73	MW-74	MW-75	MW-75	MW-75
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			02/01/17	02/01/17	02/02/17	11/10/17	10/15/18
Parameter	**Units**	*					
Volatile Organic Compounds							
Xylene (total)	UG/L	5	0.38 U	0.38 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	0.281 U	0.319 U	0.295 U	NA	NA

*- 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

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Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-75	MW-75	MW-75	MW-76	MW-76
Sample ID			MW-75	MW-75	MW-75	MW-76	MW-76
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/14/19	10/13/20	09/21/21	02/02/17	11/10/17
Parameter	**Units**	*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.54 U	0.48 U	0.51 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	0.28 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	0.51 U	0.51 U	0.26 U	0.33 U
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	0.54 U	0.32 U	0.38 U
1,4-Dioxane	UG/L	-	NA	NA	NA	12.7 U	11.4 U
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	1.9 U	NA	NA
Acetone	UG/L	50	6 UR	6 UR	3.1 U	3.44 UJ	1.97 J
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	0.33 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	0.33 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 UR	6.9 U	1.20 U	1.07 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	0.51 U	0.28 U	0.24 U
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	0.9 U	0.57 UJ	0.57 U
Toluene	UG/L	5	0.53 U	0.53 U	0.53 U	0.28 U	0.30 U
Trichloroethene	UG/L	5	0.53 U	0.53 U	0.53 U	0.38 U	0.50 U
Trichlorofluoromethane	UG/L	5	0.84 U	0.4 U	0.4 U	NA	NA
Vinyl chloride	UG/L	2	0.79 U	0.79 U	0.79 U	0.51 U	0.47 U

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-75	MW-75	MW-75	MW-76	MW-76
Sample ID			MW-75	MW-75	MW-75	MW-76	MW-76
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/14/19	10/13/20	09/21/21	02/02/17	11/10/17
Parameter	**Units**	*					
Volatile Organic Compounds							
Xylene (total)	UG/L	5	0.59 U	0.59 U	0.59 U	0.38 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	0.281 U	NA

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

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			10/15/18	11/14/19	10/14/20	09/23/21	02/07/17
Parameter	**Units**	*					
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	0.60 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	6.0 UR	6 UR	6 UR	3.1 UR	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	0.50 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	0.60 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 UR	6.9 UR	6.9 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
Tetrachloroethene	UG/L	5	0.90 U	0.9 U	0.9 U	0.9 U	0.57 UJ
Toluene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	0.28 U
Trichloroethene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	0.38 UJ
Trichlorofluoromethane	UG/L	5	0.84 UJ	0.84 U	0.4 U	0.4 U	NA
Vinyl chloride	UG/L	2	0.79 U	0.79 U	0.79 U	0.79 U	0.51 U

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

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			10/15/18	11/14/19	10/14/20	09/23/21	02/07/17
Parameter	**Units**	*					
Volatile Organic Compounds							
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

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

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**	*					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
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
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

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

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**	*					Field Duplicate (1-1)
Volatile Organic Compounds							
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

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-77	MW-78	MW-79	MW-79	MW-79
Sample ID			MW-77	MW-78	MW-79	MW-79	MW-79
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/23/21	02/07/17	02/15/17	11/13/17	10/18/18
Parameter	**Units**	*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.48 U	0.48 U	0.51 U	0.54 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	NA	NA	NA	0.53 U
1,1-Dichloroethane	UG/L	5	0.57 U	0.32 U	0.32 U	0.32 U	0.57 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.69 U	0.69 U	0.69 U	0.59 U
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.29 U	0.29 U	0.28 U	0.60 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	0.26 U	0.26 U	0.55 U	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.32 U	0.32 U	0.38 U	0.54 U
1,4-Dioxane	UG/L	-	NA	12.7 U	12.7 U	11.4 U	NA
4-Methyl-2-pentanone	UG/L	-	1.9 U	NA	NA	NA	1.9 U
Acetone	UG/L	50	3.1 UR	3.44 UJ	3.44 UJ	0.80 U	6.0 U
Benzene	UG/L	1	0.43 U	0.28 U	0.28 U	0.28 U	0.43 U
Chloroethane	UG/L	5	0.73 U	NA	NA	NA	0.73 U
Chloroform	UG/L	7	0.5 U	0.41 U	0.41 U	0.33 U	0.50 U
Cyclohexane	UG/L	-	0.78 U	NA	NA	NA	0.78 U
Ethylbenzene	UG/L	5	0.6 U	0.30 U	0.30 U	0.33 U	0.60 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 U	NA	NA	NA	0.65 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 U	1.20 U	1.20 U	1.07 U	6.9 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.28 U	0.28 U	0.24 U	0.51 U
Tetrachloroethene	UG/L	5	0.9 U	0.57 UJ	0.57 UJ	0.57 U	0.90 U
Toluene	UG/L	5	0.53 U	0.28 U	0.28 U	0.30 U	0.53 U
Trichloroethene	UG/L	5	0.53 U	0.38 UJ	0.38 U	0.50 U	0.53 U
Trichlorofluoromethane	UG/L	5	0.4 U	NA	NA	NA	0.84 U
Vinyl chloride	UG/L	2	0.79 U	0.51 U	0.51 U	0.47 U	0.79 U

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-77	MW-78	MW-79	MW-79	MW-79
Sample ID			MW-77	MW-78	MW-79	MW-79	MW-79
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/23/21	02/07/17	02/15/17	11/13/17	10/18/18
Parameter	**Units**	*					
Volatile Organic Compounds							
Xylene (total)	UG/L	5	0.59 U	0.38 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	0.155 U	0.122 U	NA	NA

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-79	MW-79	MW-79	MW-79	MW-80
Sample ID			MW-79	MW-79	FD-092421	MW-79	MW-80
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/18/19	10/16/20	09/24/21	09/24/21	02/15/17
Parameter	**Units**	*			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	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 U	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	6.9 UR	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
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	0.9 U	0.9 U	0.57 UJ
Toluene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	0.28 U
Trichloroethene	UG/L	5	0.53 U	0.53 U	0.53 U	0.53 U	0.38 U
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	0.79 U	0.51 U

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-79	MW-79	MW-79	MW-79	MW-80
Sample ID			MW-79	MW-79	FD-092421	MW-79	MW-80
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/18/19	10/16/20	09/24/21	09/24/21	02/15/17
Parameter	Units	*			Field Duplicate (1-1)		
Volatile Organic Compounds							
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	0.137 U

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-81	MW-82	MW-83	MW-84	MW-84
Sample ID			MW-81	MW-82	MW-83	MW-84	FD-111017
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			02/08/17	02/07/17	02/07/17	02/01/17	11/10/17
Parameter	Units	*					Field Duplicate (1-1)
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.48 U	0.48 U	0.48 U	0.48 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	0.32 U	0.51 J	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	0.29 U	0.28 U
1,2-Dichloroethene (cis)	UG/L	5	0.26 U	0.26 U	0.26 U	1.99	0.57 J
1,2-Dichloroethene (trans)	UG/L	5	0.32 U	0.32 U	0.32 U	4.22	1.11
1,4-Dioxane	UG/L	-	12.7 U	12.7 U	12.7 U	12.7 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 UJ	3.44 U	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	0.41 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	0.30 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	1.20 U	1.07 UR
Methyl tert-butyl ether	UG/L	10	0.28 U	0.28 U	0.28 U	0.28 U	0.24 U
Tetrachloroethene	UG/L	5	0.57 UJ	0.57 UJ	0.57 UJ	2.99	2.43
Toluene	UG/L	5	0.28 U	0.28 U	0.28 U	0.28 U	0.30 U
Trichloroethene	UG/L	5	0.38 UJ	0.38 UJ	0.38 UJ	46.4	6.41
Trichlorofluoromethane	UG/L	5	NA	NA	NA	NA	NA
Vinyl chloride	UG/L	2	0.51 U	0.51 U	0.51 U	0.51 U	0.47 U

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-81	MW-82	MW-83	MW-84	MW-84
Sample ID			MW-81	MW-82	MW-83	MW-84	FD-111017
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			02/08/17	02/07/17	02/07/17	02/01/17	11/10/17
Parameter	**Units**	*					Field Duplicate (1-1)
Volatile Organic Compounds							
Xylene (total)	UG/L	5	0.38 U	0.38 U	0.38 U	0.38 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	0.124 U	0.169 U	0.148 U	0.251 U	NA

*- 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

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-84	MW-84	MW-84	MW-84	MW-84
Sample ID			MW-84	FD-101518	MW-84	MW-84	MW-84
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/10/17	10/15/18	10/15/18	11/14/19	10/13/20
Parameter	Units	*		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	0.60 U	0.6 U	0.6 U
1,2-Dichloroethene (cis)	UG/L	5	0.78 J	0.51 U	0.51 U	0.51 U	0.51 U
1,2-Dichloroethene (trans)	UG/L	5	1.41	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	6.0 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	0.50 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	0.60 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 U	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
Tetrachloroethene	UG/L	5	3.30	3.7	3.5	2.4	2.0
Toluene	UG/L	5	0.30 U	0.53 U	0.53 U	0.53 U	0.53 U
Trichloroethene	UG/L	5	8.26	0.84 J	0.81 J	0.53 U	0.53 U
Trichlorofluoromethane	UG/L	5	NA	0.84 UJ	0.84 UJ	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

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-84	MW-84	MW-84	MW-84	MW-84
Sample ID			MW-84	FD-101518	MW-84	MW-84	MW-84
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			11/10/17	10/15/18	10/15/18	11/14/19	10/13/20
Parameter	**Units**	*		Field Duplicate (1-1)			
Volatile Organic Compounds							
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

*- 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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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-84	MW-85	MW-85	TR-26D	TR3-GB-03
Sample ID			MW-84	MW-85	MW-85	TR-26D	TR3-GB-03
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/21/21	10/15/20	09/22/21	09/25/18	04/19/16
Parameter	**Units**	*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 UJ	0.54 U	0.54 U	NA	0.68 U
1,1,2-Trichloroethane	UG/L	1	0.53 UJ	0.53 U	0.53 U	NA	0.21 U
1,1-Dichloroethane	UG/L	5	0.57 UJ	0.57 U	0.57 U	NA	0.68 U
1,1-Dichloroethene	UG/L	5	0.59 UJ	0.59 U	0.59 U	NA	0.6 U
1,2-Dichloroethane	UG/L	0.6	0.6 UJ	0.6 U	0.6 U	NA	0.48 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 UJ	0.51 U	0.51 U	NA	0.29 U
1,2-Dichloroethene (trans)	UG/L	5	0.54 UJ	0.54 U	0.54 U	NA	0.5 U
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	1.9 UJ	1.9 U	1.9 U	NA	0.5 U
Acetone	UG/L	50	3.1 UJ	6 UR	3.1 U	NA	2.8 UR
Benzene	UG/L	1	0.43 UJ	0.43 U	0.43 U	NA	0.45 U
Chloroethane	UG/L	5	0.73 UJ	0.73 U	0.73 U	NA	0.62 U
Chloroform	UG/L	7	0.5 UJ	0.5 U	0.5 U	NA	0.41 U
Cyclohexane	UG/L	-	0.78 UJ	0.78 U	0.78 U	NA	NA
Ethylbenzene	UG/L	5	0.6 UJ	0.6 U	0.6 U	NA	0.53 U
Isopropylbenzene (Cumene)	UG/L	5	0.65 UJ	0.65 U	0.65 U	NA	NA
Methyl ethyl ketone (2-Butanone)	UG/L	50	6.9 UR	6.9 UR	6.9 UR	NA	2 UR
Methyl tert-butyl ether	UG/L	10	0.51 UJ	0.51 U	0.51 U	NA	NA
Tetrachloroethene	UG/L	5	3.5 J	0.9 U	0.9 U	NA	0.45 U
Toluene	UG/L	5	0.53 UJ	0.53 U	0.53 U	NA	0.49 U
Trichloroethene	UG/L	5	0.53 UJ	0.53 U	0.53 U	NA	0.71 J
Trichlorofluoromethane	UG/L	5	0.4 UJ	0.4 U	0.4 U	NA	NA
Vinyl chloride	UG/L	2	0.79 UJ	0.79 U	0.79 U	NA	0.69 UJ

*- 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

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CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			MW-84	MW-85	MW-85	TR-26D	TR3-GB-03
Sample ID			MW-84	MW-85	MW-85	TR-26D	TR3-GB-03
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/21/21	10/15/20	09/22/21	09/25/18	04/19/16
Parameter	**Units**	*					
Volatile Organic Compounds							
Xylene (total)	UG/L	5	0.59 UJ	0.59 U	0.59 U	NA	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	0.047 UJ	0.053 U

*- 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

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			TR3-MW-01	TR3-MW-02	TR3-MW-02	TR3-MW-02	TR3-MW-02
Sample ID			TR3-MW01	TR3-MW02	TR3-MW-02	TR3-MW-02	TR3-MW0092
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/18/16	04/18/16	11/13/17	10/18/18	11/18/19
Parameter	**Units**	*					
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	0.32 U	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 U
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	0.33 U	0.51 U	0.51 U
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 U
Acetone	UG/L	50	2.8 UR	2.8 UJ	8.58 J	6.0 U	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 U	0.62 U	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 UR	2 UR	1.25 J	6.9 U	6.9 UR
Methyl tert-butyl ether	UG/L	10	NA	NA	0.24 U	0.51 U	0.51 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
Trichlorofluoromethane	UG/L	5	NA	NA	NA	0.84 U	0.84 U
Vinyl chloride	UG/L	2	0.69 UJ	1.3 J	0.47 U	0.79 U	0.79 U

*- 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

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			TR3-MW-01	TR3-MW-02	TR3-MW-02	TR3-MW-02	TR3-MW-02
Sample ID			TR3-MW01	TR3-MW02	TR3-MW-02	TR3-MW-02	TR3-MW0092
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/18/16	04/18/16	11/13/17	10/18/18	11/18/19
Parameter	**Units**	*					
Volatile Organic Compounds							
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	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls							
Aroclor 1254	UG/L	0.09	0.055 U	0.055 U	NA	NA	NA

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Flags assigned during chemistry validation are shown.

Concentration Exceeds

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Detection Limits shown are MDL

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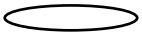
[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			TR3-MW-02	TR3-MW-02	TR3-PW-01	TR3-PW-01	TR3-PW-01
Sample ID			TR3-MW-02	TR3-MW-02	TR3-PW1	FD-111317	TR3-PW-01
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/16/20	09/24/21	04/18/16	11/13/17	11/13/17
Parameter	Units	*				Field Duplicate (1-1)	
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	0.54 U	0.54 U	0.68 U	1,020 U	1,020 U
1,1,2-Trichloroethane	UG/L	1	0.53 U	0.53 U	0.21 U	NA	NA
1,1-Dichloroethane	UG/L	5	0.57 U	0.57 U	1.9	646 U	646 U
1,1-Dichloroethene	UG/L	5	0.59 U	0.59 U	136	1,390 U	1,390 U
1,2-Dichloroethane	UG/L	0.6	0.6 U	0.6 U	0.48 U	554 U	554 U
1,2-Dichloroethene (cis)	UG/L	5	0.51 U	0.51 U	12,500 DJ	24,700	24,300 D
1,2-Dichloroethene (trans)	UG/L	5	0.54 U	0.54 U	47.6	754 U	754 U
1,4-Dioxane	UG/L	-	NA	NA	NA	22,800 U	22,800 U
4-Methyl-2-pentanone	UG/L	-	1.9 U	1.9 U	0.5 U	NA	NA
Acetone	UG/L	50	6 U	3.1 U	18.8 J	1,610 U	1,610 U
Benzene	UG/L	1	0.43 U	0.43 U	0.45 U	568 U	568 U
Chloroethane	UG/L	5	0.73 U	0.73 U	0.62 U	NA	NA
Chloroform	UG/L	7	0.5 U	0.5 U	0.41 U	652 U	652 U
Cyclohexane	UG/L	-	0.78 U	0.78 U	NA	NA	NA
Ethylbenzene	UG/L	5	0.6 U	0.6 U	0.53 U	658 U	658 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	6.9 UR	2 UR	2,140 U	2,140 U
Methyl tert-butyl ether	UG/L	10	0.51 U	0.51 U	NA	474 U	474 U
Tetrachloroethene	UG/L	5	0.9 U	0.9 U	77.6	1,140 U	1,140 U
Toluene	UG/L	5	0.53 U	0.53 U	2.1	598 U	598 U
Trichloroethene	UG/L	5	0.53 U	0.53 U	195,000 DJ	134,000	137,000 D
Trichlorofluoromethane	UG/L	5	0.4 U	0.4 U	NA	NA	NA
Vinyl chloride	UG/L	2	0.79 U	0.79 U	107 J	944 U	944 U

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			TR3-MW-02	TR3-MW-02	TR3-PW-01	TR3-PW-01	TR3-PW-01
Sample ID			TR3-MW-02	TR3-MW-02	TR3-PW1	FD-111317	TR3-PW-01
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/16/20	09/24/21	04/18/16	11/13/17	11/13/17
Parameter	**Units**	*				Field Duplicate (1-1)	
Volatile Organic Compounds							
Xylene (total)	UG/L	5	0.59 U	0.59 U	1.0	6,000 U	6,000 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	0.055 U	NA	NA

*- 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

Only Detected Results Reported.

Detection Limits shown are MDL

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			TR3-PW-01	TR3-PW-01	TR3-PW-01	TR3-PW-01	TR3-PW-01
Sample ID			TR3-PW-01	TR3-PW-01	FD-101420	TR3-PW-01	TR3-PW-01
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/19/18	11/18/19	10/14/20	10/14/20	09/23/21
Parameter	Units	*			Field Duplicate (1-1)		
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	110 U	11 U	270 U	270 U	130 U
1,1,2-Trichloroethane	UG/L	1	110 U	11 U	270 U	270 U	130 U
1,1-Dichloroethane	UG/L	5	110 U	11 U	280 U	280 U	140 U
1,1-Dichloroethene	UG/L	5	120 U	101	300 U	300 U	150 U
1,2-Dichloroethane	UG/L	0.6	120 U	12 U	300 U	300 U	150 U
1,2-Dichloroethene (cis)	UG/L	5	14,000	14,300 D	9,290	9,270	7,940
1,2-Dichloroethene (trans)	UG/L	5	110 U	50.8	270 U	270 U	130 U
1,4-Dioxane	UG/L	-	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/L	-	370 U	37 U	930 U	930 U	460 U
Acetone	UG/L	50	1,200 U	120 U	3,000 UR	3,000 UR	760 UR
Benzene	UG/L	1	85 U	8.5 U	210 U	210 U	110 U
Chloroethane	UG/L	5	150 U	15 U	360 U	360 U	180 U
Chloroform	UG/L	7	100 U	10 U	250 U	250 U	236 J
Cyclohexane	UG/L	-	160 U	16 U	390 U	390 U	200 U
Ethylbenzene	UG/L	5	120 U	12 U	300 U	300 U	150 U
Isopropylbenzene (Cumene)	UG/L	5	130 U	13 U	320 U	320 U	160 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	1,400 U	140 UR	3,400 UR	3,400 UR	1,700 U
Methyl tert-butyl ether	UG/L	10	100 U	10 U	250 U	250 U	130 U
Tetrachloroethene	UG/L	5	180 U	71.3	450 U	450 U	220 U
Toluene	UG/L	5	110 U	11 U	270 U	270 U	130 U
Trichloroethene	UG/L	5	94,500 D	144,000 D	71,400	70,600	84,700 D
Trichlorofluoromethane	UG/L	5	170 U	17 U	200 U	200 U	100 U
Vinyl chloride	UG/L	2	220	245	390 U	390 U	206 J

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Concentration Exceeds

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[MATRIX] = 'WG' and [LOGDATE] >= #1/12/2016# AND [LOCID] <> 'DRUM COMPOSITE' AND [LOCID] <> 'TR3-HZW' AND [SITE KEY] <> 5 AND [PRCCODE] <> 'PFC' AND [PRCCODE] <> 'MET'

CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			TR3-PW-01	TR3-PW-01	TR3-PW-01	TR3-PW-01	TR3-PW-01
Sample ID			TR3-PW-01	TR3-PW-01	FD-101420	TR3-PW-01	TR3-PW-01
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/19/18	11/18/19	10/14/20	10/14/20	09/23/21
Parameter	Units	*			Field Duplicate (1-1)		
Volatile Organic Compounds							
Xylene (total)	UG/L	5	120 U	12 U	300 U	300 U	150 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

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Concentration Exceeds

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CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			TR3-PW-02
Sample ID			TR3-PW-2
Matrix			Groundwater
Depth Interval (ft)			-
Date Sampled			04/19/16
Parameter	**Units**	*	
Volatile Organic Compounds			
1,1,1-Trichloroethane	UG/L	5	0.68 U
1,1,2-Trichloroethane	UG/L	1	0.21 U
1,1-Dichloroethane	UG/L	5	0.68 U
1,1-Dichloroethene	UG/L	5	0.6 U
1,2-Dichloroethane	UG/L	0.6	0.48 U
1,2-Dichloroethene (cis)	UG/L	5	0.29 U
1,2-Dichloroethene (trans)	UG/L	5	0.5 U
1,4-Dioxane	UG/L	-	NA
4-Methyl-2-pentanone	UG/L	-	0.5 U
Acetone	UG/L	50	2.8 UJ
Benzene	UG/L	1	0.45 U
Chloroethane	UG/L	5	0.62 U
Chloroform	UG/L	7	0.41 U
Cyclohexane	UG/L	-	NA
Ethylbenzene	UG/L	5	0.53 U
Isopropylbenzene (Cumene)	UG/L	5	NA
Methyl ethyl ketone (2-Butanone)	UG/L	50	2 UR
Methyl tert-butyl ether	UG/L	10	NA
Tetrachloroethene	UG/L	5	0.45 U
Toluene	UG/L	5	0.49 U
Trichloroethene	UG/L	5	2.0
Trichlorofluoromethane	UG/L	5	NA
Vinyl chloride	UG/L	2	0.69 UJ

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Concentration Exceeds

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CARRIER THOMPSON ROAD SITE
ANNUAL SITE-WIDE GROUNDWATER MONITORING
GROUNDWATER ANALYTICAL RESULTS - APRIL 2016 THROUGH SEPTEMBER 2021

Location ID			TR3-PW-02
Sample ID			TR3-PW-2
Matrix			Groundwater
Depth Interval (ft)			-
Date Sampled			04/19/16
Parameter	**Units**	*	
Volatile Organic Compounds			
Xylene (total)	UG/L	5	0.22 U
Semivolatile Organic Compounds			
1,4-Dioxane	UG/L	-	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA
Polychlorinated Biphenyls			
Aroclor 1254	UG/L	0.09	0.055 U

*- 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

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