



Annual Groundwater Monitoring Report - 2021

**Site No. 3 Brownfield Cleanup Program
Site (#C859028) Palmyra, Wayne County,
New York**

Garlock Sealing Technologies

May 03, 2022

→ **The Power of Commitment**



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1. Introduction

This report summarizes laboratory analytical results of quarterly groundwater monitoring events completed in 2021 at the Garlock Sealing Technologies Site No. 3 Brownfield Cleanup Program (BCP) Site (referred to as the 'Site', BCP Site #C859028). The Site, which encompasses approximately 28 acres, is located at 1666 Division Street in the Town of Palmyra, Wayne County, New York (Figure 1).

Quarterly groundwater monitoring was conducted at the Site as a requirement of the New York State Department of Environmental Conservation (NYSDEC) approved Site Management Plan (S&W Redevelopment of North America, LLC, July 2011 [revised: December 2011]) and subsequent NYSDEC-approved modifications. GHD Consulting Services Inc. (GHD) performed groundwater sampling in March, June, September, and December 2021. Laboratory analytical services were provided by Alpha Analytical, Inc., of Westborough, Massachusetts. Field results and laboratory analytical results were submitted electronically to the NYSDEC in PDF format (this annual report constitutes the 4th quarter 2021 data submittal), as well as in the NYSDEC EQUIS Electronic Data Deliverable (EDD) format, after each quarterly monitoring event.

1.1 Scope and Limitations

This report has been prepared by GHD for Garlock Sealing Technologies and may only be used and relied on by Garlock Sealing Technologies for the purpose agreed between GHD and Garlock Sealing Technologies as set out in this report.

GHD otherwise disclaims responsibility to any person other than Garlock Sealing Technologies arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions, and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions, and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

The opinions, conclusions, and any recommendations in this report are based on information obtained from, and testing undertaken at or in connection with, specific sample points. Site conditions at other parts of the Site may be different from the Site conditions found at the specific sample points.

Investigations undertaken in respect of this report are constrained by the particular Site conditions, such as the location of buildings, services, and vegetation. As a result, not all relevant Site features and conditions may have been identified in this report.

Site conditions (including the presence of hazardous substances and/or Site contamination) may change after the date of this Report. GHD does not accept responsibility arising from, or in connection with, any change to the Site conditions. GHD is also not responsible for updating this report if the Site conditions change.

GHD has prepared this report on the basis of information provided by Garlock Sealing Technologies and others who provided information to GHD (including Government authorities), which GHD has not independently verified or checked beyond the agreed scope of work. GHD does not accept liability in connection with such unverified information, including errors and omissions in the report which were caused by errors or omissions in that information.

1.2 Background

Garlock Sealing Technologies owns and operates a manufacturing facility located in the Town of Palmyra, NY where they have been making and distributing gaskets and seals for more than 100 years. As part of a modernization process, Garlock entered the New York State BCP to address historic Site contamination.

The overall Site being addressed under the BCP is approximately 45 acres and has been divided into three separate BCP sites at the Garlock facility: Klozures Site, comprising approximately 7 acres; Gylon Site, comprising approximately 10 acres; and Site No. 3, comprising approximately 28 acres. Figure 2 depicts the location of each of the three BCP sites. Separate Certificates of Completion have been issued previously for each of the BCP sites.

Over the course of the long history of manufacturing at the Site, impacts to the environment have been identified that required remedial actions to be completed under the BCP. A comprehensive remedial investigation was conducted for the Site and based on that work, seven Areas of Concern (AOCs) were identified due to groundwater contaminated with volatile organic compounds (VOCs), mainly chlorinated organics and other VOCs. The seven discrete areas were designated as AOC-1, -2, -3, -4, -5, the Carbon Tet area, and the Toluene area.

Remedial actions at the seven AOCs included:

- In-Situ chemical oxidation (ISCO) for AOC-1 and AOC-2
- Source removal for AOC-3, AOC-4, and the Toluene area
- In-situ chemical reduction (ISCR) for AOC-5 and the Carbon Tet area

The following is a brief description of each AOC, including a summary of remedial actions taken and current groundwater sampling conducted at these AOCs:

- **AOC-1:** This is a zone of groundwater that was impacted primarily with trichloroethene (TCE) and its degradation components (i.e., cis-1,2-dichloroethene [DCE] and vinyl chloride [VC]) and lesser concentrations of other VOCs, including benzene and toluene. ISCO was used to treat the contaminated groundwater via injection of a potassium permanganate solution through 17 injection wells. The injection was performed in December 2008. Quarterly groundwater monitoring was conducted between 2009 and 2012 to monitor the effectiveness of the ISCO remedy. The monitoring frequency for AOC-1 was reduced to annual sampling in 2013, with NYSDEC approval. In 2013, the NYSDEC also approved eliminating two (2) groundwater monitoring wells, OW-1/MW-26 and PTOW1-4, from the annual sampling events. The effectiveness of the ISCO injection is currently being monitored at six (6) monitoring wells in this area (Figure 4).
- **AOC-2:** This area is close to the banks of Red Creek and was impacted by TCE, DCE, and VC. ISCO using sodium permanganate injected through 18 injection wells was the selected remedy for AOC-2. The injection was completed in August 2011. The effectiveness of the injection is being monitored quarterly at five down-gradient monitoring wells (Figure 5).
- **AOC-3 & AOC-4:** These two areas of contamination were identified in the former “ballfield” area on the eastern portion of the Site. Groundwater samples from monitoring wells located in AOC-3 and AOC-4 identified concentrations of TCE and DCE up to 310,000 micrograms per liter (ug/L, parts per billion), as well as toluene, during previous investigations. Source removal of contaminated soil, debris, and containers with apparent non-aqueous phase liquid was performed in March 2011. In total, approximately 355 cubic yards and 70 cubic yards of material was excavated from AOC-3 and AOC-4, respectively, and disposed off-site. Quarterly groundwater monitoring is conducted at two wells in each AOC to monitor the effectiveness of source removal (Figure 6).
- **AOC-5:** This was an area of impacted groundwater containing TCE, DCE, and VC. The highest concentrations of TCE and DCE were identified beneath Building 15. The area was treated in August 2011 with an ISCR approach using a combination of zero valent iron and carbon. The zone of highest groundwater concentrations under Building 15 was treated, and injections were performed in a linear array north of Building 15 to serve as a permeable reactive barrier. Effectiveness of the ISCR injections is being monitored quarterly at three monitoring well locations (Figure 7).

- **Carbon Tet Area:** The Carbon Tet area is just west of the Gylon Building. Groundwater in this area was impacted by carbon tetrachloride, benzene, and chlorinated VOCs, primarily DCE and VC. Remediation was performed in August 2011 utilizing an ISCR approach using a combination of zero valent iron and carbon, which was injected through 28 direct push injection points throughout the area. Effectiveness of the ISCR injections is being monitored quarterly at three downgradient monitoring well locations (Figure 4).
- **Toluene Area:** This area is located immediately upgradient of AOC-1 and cross gradient from the Carbon Tet Area in the vicinity of a former underground toluene tank farm west of the Gylon Building. The primary contaminant of concern in this AOC was toluene, with lesser concentrations of benzene and chlorinated VOCs, primarily DCE and VC. Approximately 195 tons of toluene-impacted soil was removed from this area in November 2010 and disposed off-site. Effectiveness of the source removal is being monitored quarterly at two downgradient monitoring well locations (Figure 4).

1.3 Purpose

The objectives of the current groundwater monitoring program are to document water quality and contaminant concentrations following ISCO, ISCR, and source removal remedial actions performed at the Site. Groundwater sampling is conducted on a quarterly basis in AOC-2, -3, -4, -5, the Carbon Tet area, and the Toluene area, and annually in AOC-1. The groundwater data is intended to determine the long-term effectiveness of the remedial actions performed in each AOC. The purpose of this report is to present the sample results, findings, conclusions, and recommendations associated with the 2021 monitoring activities.

1.4 Groundwater Monitoring Schedule and Required Analysis

Table 1 Groundwater Monitoring Schedule and Required Analysis

Area of Concern (AOC)	Current Sampling Frequency	Revised Monitoring Locations (as approved by NYSDEC)	Required Analysis
AOC-1	Annual	OW-2, OW-3, OW-4, OW-6/MW-3, OW-7/MW-27, and PTOW1-1	Target Compound List (TCL) VOCs, Total Organic Carbon (TOC), Chemical Oxygen Demand (COD), Field Parameters
AOC-2	Quarterly	OW-1, OW-2/MW-41, OW-3, OW-4/MW-28, and OW-5	TCL VOCs, TOC, COD, Field Parameters
AOC-3	Quarterly	MW0512-02 and MW0911-02	TCL VOCs, Field Parameters
AOC-4	Quarterly	MW0512-01 and MW0911-01	TCL VOCs, Field Parameters
AOC-5	Quarterly	MW-63, MW0610-1, and MW0811-01	TCL VOCs, TOC, COD, Biological Oxygen Demand (BOD), Hardness, Alkalinity, Iron, Magnesium, Manganese, Chloride, Sulfate, Nitrate, Dissolved Gases (ethane, ethene, methane), Field Parameters
Carbon Tet Area	Quarterly	MW0610-4, MW0610-5, and MW0811-02	TCL VOCs, TOC, COD, Biological Oxygen Demand (BOD), Hardness, Alkalinity, Iron, Magnesium, Manganese, Chloride, Sulfate, Nitrate, Dissolved Gases (ethane, ethene, methane), Field Parameters
Toluene Area	Quarterly	IW-1 and IW-2	TCL VOCs, Field Parameters

2. Site Hydrology

Groundwater elevation data from previous investigations indicate that shallow groundwater generally flows toward the northeast across the Site, with localized variations in certain areas. Groundwater flows north toward Red Creek near the northern Site boundary and south toward Mud Creek near the southern Site boundary (see Figure 3 for a general groundwater contour figure based on November 2011 groundwater elevations, which is the last time groundwater elevations were calculated for all on-Site wells).

On much of the Site, the top several feet are comprised of fill material overlying lacustrine silts, clays, and sand lenses to a depth of 5 to 20 feet below ground surface (bgs). This material is underlain by a confining unit consisting of dark gray clay-rich lodgment till. Based on previous investigations, it has been determined that contaminant impacts are generally limited to shallow groundwater across the Site. Low groundwater seepage velocities have appeared to limit both the lateral and vertical extent of contaminant plumes.

2.1 Groundwater Elevations

Prior to purging each groundwater monitoring well, the depth to water and depth of well are recorded using an electronic water level indicator. The measurements are made in reference to the top of the polyvinyl chloride (PVC) well casing, the elevation of which has been surveyed. These readings are recorded on field sheets for use in calculating groundwater elevations at a later date. Groundwater elevation data for each monitoring event are summarized in a table in Attachment A.

Groundwater elevations across the Site appear to exhibit minor seasonal fluctuations. Groundwater elevations for the September 2021 groundwater monitoring event, which represents the last time that groundwater monitoring wells in each of the AOCs were sampled, are shown on Figures 4 through 7. Due to the limited number of wells that are monitored, it is not representative to contour groundwater elevations and determine groundwater flow direction for the Site based on these measurements.

3. Groundwater Sampling Methods

A total of seventeen (17) groundwater samples were taken from the groundwater monitoring wells identified in Table 1 on a quarterly basis (all AOCs except AOC-1). During only the September 2021 groundwater monitoring event, six (6) samples were taken from the AOC-1 groundwater monitoring wells identified in Table 1. Groundwater sampling activities during 2021 were conducted by GHD Consulting Services Inc., as follows:

- 1st Quarter – March 31, 2021
- 2nd Quarter – June 29, 2021
- 3rd Quarter – September 28, 2021
- 4th Quarter – December 21, 2021

Groundwater samples were obtained using dedicated disposable bailers. Prior to sample collection, the wells were purged until at least three well volumes were removed or until the wells went dry, whichever occurred first. The purge water was containerized in 55-gallon steel drums provided by Garlock. Storage, characterization, and disposal of the containerized groundwater was managed and documented by Garlock (Attachment B).

Once each groundwater monitoring well was purged, a groundwater sample was collected using the dedicated disposable bailer and placed directly into containers provided by the laboratory. Field parameters, including temperature, conductivity, dissolved oxygen, pH, oxidation reduction potential, and turbidity, were recorded following sample collection using a multi-parameter field meter. Groundwater samples were packed in ice-filled coolers and

submitted to a NYS ELAP-certified laboratory (Alpha Analytical) for analysis. Analytical requirements for each sample are included in Table 1.

No quality assurance/quality control (QA/QC) samples were taken during the quarterly groundwater monitoring events. This practice is a deviation from the NYSDEC-approved SMP; however, based on “discussion with NYSDEC, it is understood that only the final round of monitoring will require Category B deliverables and a Data Usability Summary Report” (per Lu Engineers’ Annual Groundwater Monitoring Report – 2013, March 7, 2014).

4. Laboratory Analytical Results

Summary tables of laboratory analytical results and data time series plots at each AOC groundwater monitoring location are attached (Attachment A). Laboratory analytical results were compared to the applicable Class GA Groundwater Quality Standards and/or Guidance Values from the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 (June 1998 and subsequent addenda). Copies of the laboratory analytical reports are included as Attachment C. GHD submitted the March, June, September, and December 2021 analytical results to NYSDEC in their required EQUS EDD format, available approvals of which are included in Attachment D. Laboratory analytical results were also transmitted quarterly to NYSDEC in PDF format (with the 4th quarter 2021 results being included in this annual report).

4.1 AOC-1

Currently, a total of six (6) groundwater monitoring wells in AOC-1 are sampled annually (September) to determine the long-term effectiveness of an ISCO injection completed in this area. The most current sampling event was completed during September 2021. The contaminants of concern (COCs) in this area are TCE, DCE, VC, and toluene.

It is noted that groundwater monitoring well OW-2 in AOC-1 was found to be extensively damaged with the flush mount protective casing, concrete pad, and J-plug missing and the PVC riser pipe clogged with debris. As a result, a sample could not be obtained from OW-2 during the September sampling event. Due to the damage rendering the well unusable, and the adjacent down gradient monitoring points (PTOW1-1, OW-6/MW-3, and OW-7/MW-27) capable of providing groundwater monitoring for the area, it is recommended that monitoring well OW-2 be decommissioned. If approved, decommissioning of Site groundwater monitoring well OW-2 is proposed to occur following the grouting in place method outlined in the NYSDEC’s Groundwater Monitoring Well Decommissioning Policy (CP-43, November 2009).

Based on laboratory analytical results presented in the Final Engineering Report (S&W Redevelopment of North America, LLC, December 2011), the highest concentrations of TCE before remedial actions were identified in OW-6/MW-3 (28,000 ug/L) and OW-9 (7,000 ug/L). Monitoring well OW-9 is no longer sampled as part of the on-going monitoring program. The most recent round of groundwater results from OW-6/MW-3 (September 2021) did not identify TCE above laboratory detection limits. The highest concentrations of toluene prior to remedial actions were in OW-1/MW-26 (13,000 ug/L) and PTOW1-4 (92,000 ug/L). Toluene had not been detected at concentrations above laboratory detection limits in samples taken from these groundwater monitoring wells since March 2009 and, as a result, these two (2) wells were removed from annual monitoring following the September 2014 monitoring event, with concurrence of NYSDEC.

In general, the analytical results indicate the following observations:

- OW-2 – As noted above, groundwater monitoring well OW-2 has been extensively damaged, and a sample was unable to be obtained during the September 2021 monitoring event. Only benzene had been detected above regulatory standards since the fall of 2017 with an overall generally decreasing trend evident. Recent monitoring events indicate benzene concentrations that are fluctuating around the regulatory standard and that have decreased from a high of 470 ug/L (March 2009) to 2.1 ug/L (September 2020).

- OW-3 – Only VC has been detected above regulatory standards since March 2013, with concentrations fluctuating around the applicable regulatory standard between 2011 and 2016. The most recent monitoring events, 2016 to 2021, have indicated exceedances of the standard for VC with a slight increasing trend potentially developing. Overall, VC concentrations have decreased from a high of 54 ug/L (March 2009) to 7.9 ug/L (September 2021).
- OW-4 – No analyzed for VOCs have been detected above regulatory standards since the fall of 2014. In the September 2021 sample taken from this well, VC, acetone, and cyclohexane were the only analytes detected above laboratory method detection limits. VC was detected at 1.0 ug/L, below the applicable regulatory standard (last exceedance of standards was identified in March 2010), with concentrations being relatively stable since the spring of 2013. Acetone was flagged as an estimated concentration by the laboratory at 3.7 ug/L, which is below the regulatory standard of 50 ug/L, and generally consistent with historical periodic detections. Cyclohexane does not have a regulatory standard established and concentrations are identifying a generally decreasing trend since March 2013.
- OW-6/MW-3 – Several COCs continue to be consistently detected above applicable regulatory standards, including benzene, cis-DCE, and VC. In general, the commonly detected COCs that remain in samples taken from OW-6/MW-3 have had generally decreasing trends until September 2018 and fluctuating concentrations since. DCE and VC concentrations have decreased from highs of 4,600 ug/L and 2,800 ug/L (May 2008), respectively, to lows of 7 ug/L and 10 ug/L, respectively (September 2018). September 2021 results identified a DCE concentration of 53 ug/L and a VC concentration of 74 ug/L. It is noted that concentrations of tetrachloroethene (PCE) and TCE have not exceeded applicable regulatory standards since June 2012 and September 2015, respectively. As a result, it is expected that identified DCE and VC concentrations should continue to decrease over time due to the apparent lack of parent compounds available to degrade. Benzene concentrations continue to be detected above regulatory standards, and also have exhibited a generally decreasing trend until September 2018 and then fluctuating concentrations since. Benzene concentrations have fluctuated from a high of 106 ug/L (March 2010) to a low of 9.2 ug/L (September 2018) and are currently at 18 ug/L (September 2021). Fluctuations in DCE, VC, and benzene concentrations in samples from this well will continue to be monitored to determine if indicative trends develop or additional action is necessary.
- OW-7/MW-27 – Benzene was the only compound detected above regulatory standards in the sample collected during September 2021, which is consistent with results since September 2016. In general, the concentrations of COCs have decreased since remedial action with some minor variations identified in the more recent sampling events. Chlorinated VOCs of concern have not been detected at concentrations exceeding standards since September 2016 (TCE) and September 2015 (DCE and VC). Benzene concentrations have decreased from a high of 530 ug/L (March 2009) to 59 ug/L (September 2021), although the more recent monitoring events have identified fluctuating concentrations. Fluctuations in benzene concentrations in samples from this well will continue to be monitored to determine if indicative trends develop or additional action is necessary.
- PTOW1-1 – Only benzene has been detected above regulatory standards since the spring of 2009. Benzene concentrations have fluctuated since remedial action was completed, with concentrations ranging from 18 ug/L (March 2009) to a low of 2.34 ug/L (November 2010) and a high of 74 ug/L (September 2015). Analytical results of monitoring events between September 2015 and September 2018 identified a decrease in benzene concentrations from 74 ug/L to 4.7 ug/L, respectively. Since September 2018, benzene concentrations have been fluctuating, and during the September 2021 monitoring event, were at a concentration of 5.6 ug/L. Fluctuations in benzene concentrations in samples from this well will continue to be monitored to determine if indicative trends develop or additional action is necessary. Detections of chlorinated VOCs of concern in samples from this well are sporadic, generally flagged as estimated values by the laboratory, and have not exceeded applicable standards since at least May 2008.

Long-term trends for each groundwater monitoring well, which are included with the attached tables and graphs (Attachment A), generally indicate marked decreases in concentrations of contaminants following ISCO remedial actions. Select chlorinated VOCs of concern, DCE and VC, continue to be identified above groundwater standards in groundwater samples taken from groundwater monitoring well OW-6/MW-3. In addition, benzene continues to be consistently detected above standards in samples taken from wells OW-6/MW-3, OW-07/MW-27, and PTOW1-1.

In general, total organic carbon (TOC) levels have slightly decreased since ISCO occurred and appear to be stabilizing near pre-injection conditions. Chemical oxygen demand (COD) levels are highly variable throughout the AOC, but in general appear to be remaining slightly elevated compared to pre-ISCO levels. The identified levels of TOC and COD indicate that chemical reactions should still be occurring as a result of the potassium permanganate injection.

Based on the analytical data, the concentrations of COCs vary across the area with isolated exceedances, several instances where concentrations are no longer detected above laboratory method detection limits, and other instances where concentrations detected do not exceed applicable standards. There is no discernable correlation between the monitoring points other than the overall generally decreasing trend in COCs in this AOC since the completion of remedial activities in December 2008. These generally decreasing trends reached their minimum concentrations in September 2018 and have fluctuated since. Concentrations in samples from this AOC will continue to be monitored to determine if trends are developing and if additional action is necessary.

4.2 AOC-2

Five (5) groundwater monitoring wells located downgradient of AOC-2, between the AOC and Red Creek, are sampled quarterly to determine the effectiveness of an ISCO injection completed in this area. The COCs in this AOC are chlorinated solvents, primarily TCE and its degradation byproducts DCE and VC. The highest concentrations of COCs prior to remedial activities were identified in groundwater samples taken from OW-2/MW-41, OW-3, and OW-4/MW-28, with maximum detected concentrations as follows:

Exhibit 4-1 Maximum Concentrations of COCs Prior to Remedial Action

Analyte	OW-2/MW-41	OW-3	OW-4/MW-28
TCE	2,200 ug/L (May 2008)	7,720 ug/L (November 2010)	7,720 ug/L (November 2010)
DCE	5,300 ug/L (May 2008)	38,800 ug/L (November 2010)	38,800 ug/L (November 2010)
VC	177 ug/L (November 2010)	433 ug/L (November 2010)	433 ug/L (November 2010)

Since remedial actions were completed in 2011, the concentrations of COCs in groundwater samples taken from this AOC have exhibited decreases; however, concentrations still exceed applicable groundwater standards in samples taken from some of the monitoring wells. The maximum identified concentrations of COCs in groundwater samples taken from AOC-2 during the 2021 monitoring events were:

Exhibit 4-2 Maximum Concentrations of COCs during 2021 Monitoring Events

Analyte	OW-2/MW-41	OW-3	OW-4/MW-28
TCE	13 ug/L (March)	5.1 ug/L (March)	0.94 ug/L (December)
DCE	1,700 ug/L (June)	2,300 ug/L (March)	48 ug/L (March)
VC	1,500 ug/L (September)	4,900 ug/L (December)	340 ug/L (March)

In general, the analytical results indicate the following observations:

- OW-1 – Only identified concentrations of VC have exceeded groundwater standards since December 2016, with the 2021 samples varying from 1.8 ug/L (December, below the groundwater standard) to 8.3 ug/L (June, above the groundwater standard). TCE and DCE concentrations continue to be detected below regulatory standards and at values generally flagged as estimated by the laboratory. Overall, concentrations identified in samples from this well indicate a decreasing trend over time with minor fluctuations.
- OW-2/MW-41 – TCE, DCE, VC, trans-1,2-dichloroethene, 1,1-dichloroethane, and 1,1-dichloroethene are routinely detected at concentrations that exceed regulatory standards in samples taken from this well; however, concentrations have generally decreased over time, except for VC, for which increasing concentrations could be expected due to the sequential degradation of chlorinated organics. TCE concentrations identified during recent monitoring events have been fluctuating and are typically below the regulatory standard, with exceedances in the

June 2020 and March 2021 monitoring events. The overall decrease in TCE, and occasional detection of sodium permanganate within the AOC, suggest that degradation should continue over time.

- OW-3 – Samples taken from this well consistently identify the highest concentrations in the AOC for TCE, DCE, VC, trans-1,2-dichloroethene, 1,1-dichloroethane, and 1,1-dichloroethene. TCE concentrations have decreased over time with DCE and VC concentrations remaining more stable or even slightly increasing after the initial post-injection decreases, which can be expected based on the sequential degradation of these compounds. Overall, groundwater quality in the vicinity of OW-3 appears to be remaining stable at these elevated concentrations.
- OW-4/MW-28 and OW-5 – DCE, VC, and 1,1-dichloroethane commonly exceed standards in samples taken from these wells. DCE and 1,1-dichloroethane concentrations are generally decreasing over time with VC concentrations appearing more stable or even slightly increasing, which as stated previously is not unexpected because of the degradation pathway. Identified concentrations remain lower in samples taken from these well compared to samples from other wells in the AOC.

The identified overall decrease in concentrations identified throughout this AOC is expected to continue over time.

In general, TOC levels have decreased since ISCO occurred and appear to be stabilizing near pre-injection conditions. COD levels remain slightly elevated compared to pre-ISCO levels. The identified levels of TOC and COD indicate that chemical reactions should still be occurring as a result of the sodium permanganate injection, but likely at a slower rate. The generally decreasing concentrations of TCE and DCE with initial generally increasing concentrations of VC followed by generally decreasing trends evidenced in samples taken from some monitoring wells in AOC-2 is also an indication that degradation continues to occur following remedial action. Laboratory analytical results from these wells will be monitored during future sampling events to determine if discernible trends develop or if additional action is warranted.

4.3 AOC-3

The effectiveness of source removal activities completed in AOC-3 are monitored quarterly utilizing two (2) groundwater monitoring wells; one located within the footprint of excavation (MW0512-02) and one located in the presumed downgradient direction (MW0911-02). Both of these monitoring wells were installed following source removal activities. Baseline concentrations for AOC-3 are based on groundwater samples taken from groundwater monitoring well OW3-2 in May 2008. Based on this sample, the COCs for this area included TCE (80,000 ug/L); DCE (310,000 ug/L); VC (2,900 ug/L); and toluene (46,000 ug/L). Monitoring well OW3-2 was removed during source removal excavation and is no longer sampled.

To allow for collection of groundwater samples in the source area, a culvert well was installed in the excavation prior to backfilling with stone. Several attempts to sample the culvert well indicated that it was dry. As a result, groundwater monitoring well (MW0512-02) was installed in its place to allow for collection of groundwater samples from this area. Since the monitoring well was installed after completion of source removal activities, there is no pre-source removal baseline data available. The first groundwater sample was taken from this well in June 2012 and indicated the following concentrations of COCs:

Exhibit 4-3 Concentrations of COCs Within AOC Following Remedial Action

Analyte	MW0512-02
TCE	90 ug/L
DCE	3,600 ug/L
VC	970 ug/L
Toluene	2,700 ug/L

The downgradient groundwater monitoring well (MW0911-02) was also installed after completion of source removal activities, so there is no pre-source removal baseline data available. The first groundwater sample was taken from this well in October 2011 and indicated the following concentrations of COCs:

Exhibit 4-4 Concentrations of COCs Downgradient of AOC Following Remedial Action

Analyte	MW0911-02
TCE	Non-Detect
DCE	230,000 ug/L
VC	13,000 ug/L
Toluene	14,000 ug/L

The highest concentrations of the COCs in AOC-3 identified during groundwater sampling performed in 2021 are as follows:

Exhibit 4-5 Maximum Concentrations of COCs during 2021 Monitoring Events

Analyte	Well ID	Concentration (µg/L)	Date Sampled
TCE	MW0512-02	130	March
	MW0911-02	11	March
DCE	MW0512-02	7,700	March
	MW0911-02	1,900	June
VC	MW0512-02	3,800	September
	MW0911-02	1,900	June
Toluene	MW0512-02	420	September
	MW0911-02	6,500	September

Based on the concentrations identified prior to remedial activities and the current concentrations, there has been a significant decrease following source removal. In addition, the increasing trend of VC concentrations in samples is likely an indication of ongoing degradation of TCE and DCE within the AOC. However, more recent analytical data indicates a general stabilization of COC concentrations at levels that exceed the applicable regulatory standards. Generally, the concentrations of COCs in the samples collected from MW0512-02 are higher than concentrations detected in samples collected from the presumed downgradient well MW0911-02. This could be an indication of natural attenuation of the concentrations or that groundwater is not significantly migrating in this AOC. A single round of groundwater samples were taken from three further downgradient wells in September 2018 and the analytical results appear to support that migration of COCs downgradient of the AOC is limited. Laboratory analytical results from these wells will be monitored during future sampling events to determine if discernable trends develop or if additional action is warranted.

4.4 AOC-4

The effectiveness of source removal activities completed in AOC-4 is monitored quarterly utilizing two (2) groundwater monitoring wells; one located within the footprint of the excavation (MW0512-01) and one located in the presumed downgradient direction (MW0911-01). Both of these monitoring wells were installed following source removal activities. As a result, baseline concentrations for AOC-4 are based on groundwater samples taken from groundwater monitoring well OW4-3 in May 2008, which included PCE (7,400 ug/L); TCE (290,000 ug/L); DCE (270,000 ug/L); VC (1,200 ug/L); toluene (49,000 ug/L); and xylene (13,000 ug/L). Monitoring well OW4-3 was removed during source removal excavation and is no longer sampled.

To allow for collection of groundwater samples in the source area, a culvert well was installed in the excavation prior to backfilling with stone. Several attempts to sample the culvert well indicated that it was dry. As a result, a groundwater monitoring well (MW0512-01) was installed in its place to allow for collection of groundwater samples from this area. Since the monitoring well was installed after completion of source removal activities, there is no pre-source removal

baseline data available. The first groundwater sample was taken from this well in June 2012 and indicated the following concentrations of COCs:

Exhibit 4-6 **Concentrations of COCs Within AOC Following Remedial Action**

Analyte	MW0512-01
PCE	910 ug/L
TCE	11,000 ug/L
DCE	180,000 ug/L
VC	2,600 ug/L
Toluene	19,000 ug/L
Xylene	5,100 ug/L

The presumed downgradient groundwater monitoring well (MW0911-01) was also installed after completion of source removal activities, so there is no pre-source removal baseline data available. The first groundwater sample was taken from this well in October 2011 and indicated the following concentrations of COCs:

Exhibit 4-7 **Concentrations of COCs Downgradient of AOC Following Remedial Action**

Analyte	MW0911-01
PCE	Non-Detect
TCE	790 ug/L
DCE	8,400 ug/L
VC	740 ug/L
Toluene	330 ug/L
Xylene	1,200 ug/L

The highest concentrations of the COCs in AOC-4 identified during groundwater sampling performed in 2021 are as follows:

Exhibit 4-8 **Maximum Concentrations of COCs during 2021 Monitoring Events**

Analyte	Concentration (µg/L)	Well ID	Date Sampled
PCE	ND	MW0512-01	All Rounds
	ND	MW0911-01	All Rounds
TCE	92	MW0512-01	March
	81	MW0911-01	June
DCE	83,000	MW0512-01	September
	3,000	MW0911-01	June
VC	4,500	MW0512-01	September
	950	MW0911-01	September
Toluene	9,300	MW0512-01	September
	ND	MW0911-01	All Rounds
Xylene	1,940	MW0512-01	September
	ND	MW0911-01	All Rounds

Based on the concentrations identified prior to remedial activities and the current concentrations, there has been a significant decrease following source removal. However, more recent analytical results indicate a general stabilization of COC concentrations. Generally, the concentrations of TCE, DCE, VC, toluene, and xylenes in samples collected from MW0512-01 are higher than the concentrations in samples collected from presumed downgradient well MW0911-01. This could be an indication of natural attenuation of the concentrations or that groundwater is not significantly migrating in this AOC. A single round of groundwater samples were taken from three further downgradient wells in September 2018 and the analytical results appear to support that migration of COCs downgradient of the AOC is limited. Based on recent analytical results, it appears that degradation of chlorinated VOCs appears to have reached a static level following source removal. Laboratory analytical results from these wells will be monitored during future sampling events to determine if discernable trends continue and if additional action is warranted.

4.5 AOC-5

Three (3) groundwater monitoring wells located in and downgradient of AOC-5 are sampled quarterly to determine the effectiveness of an ISCR injection completed in this area. The COCs in this AOC were chlorinated solvents, primarily TCE and its degradation byproducts DCE and VC. The highest concentrations of COCs prior to remedial activities were identified in groundwater samples taken from MW0610-1 (downgradient well) and MW0811-01 ("source area" well inside Building 15).

Concentrations of COCs identified in groundwater samples taken from each of these wells have shown the following changes since remedial actions were completed:

- TCE in groundwater samples taken from MW0610-1 have decreased from 820 ug/L in August 2011 to 5.1 ug/L in December 2021 (a 99% decrease). Data since 2018 has indicated fluctuations of TCE concentrations in samples taken from MW0610-1, which will continue to be monitored to determine if additional action is warranted. TCE in groundwater samples taken from MW0811-01 and MW-63 have not exceeded the regulatory standard since August 2011 and generally have not been detected above laboratory method detection limits over the same period of time.
- DCE in groundwater samples taken from MW0610-1 have decreased from 2,600 ug/L in August 2011 to 170 ug/L in December 2021 (a 93% decrease) and in groundwater samples taken from MW0811-01 from 6,300 ug/L in August 2011 to 270 ug/L in December 2021 (a 96% decrease). DCE in groundwater samples taken from MW-63 have increased from 61 ug/L in August 2011 to a high of 540 ug/L in June 2012 with subsequent decreases to 300 ug/L in December 2021. As discussed before, temporary increases in degradation byproducts are not uncommon given the sequential breakdown pathway of TCE.
- VC in groundwater samples taken from MW0610-1 have decreased from 610 ug/L in August 2011 to 230 ug/L in December 2021 (a 62% decrease). Over the same time period, VC concentrations in samples taken from MW0811-01 and MW-63 have increased from 800 ug/L to 1,200 ug/L (March 2021) and from non-detect to 380 ug/L (September 2021), respectively. VC concentrations in samples from both of these wells fluctuate over time but are remaining generally stable or slightly increasing, which is likely attributable to the sequential degradation of DCE in the AOC.

Concentrations of iron identified in samples taken from each of the groundwater monitoring wells continue to identify elevated concentrations in relation to pre-ISCR concentrations, especially in samples taken from MW0811-01, which is in the center of the ISCR injection area. A similar trend can also be seen in TOC concentrations, particularly in samples taken from MW0811-01. The continued presence of elevated concentrations of these two analytes indicates that substrate from ISCR injections, which was a carbon and zero valent iron slurry, remains available to promote contaminant degradation. Based on groundwater results, degradation of COCs in AOC-5 is expected to continue over time, but likely at a slower rate. Laboratory analytical results from these wells will be monitored during future sampling events to determine if discernable trends occur and if additional action is warranted.

4.6 Carbon Tet Area

Three (3) groundwater monitoring wells located downgradient of the Carbon Tet Area are sampled quarterly to determine the effectiveness of an ISCR injection completed in this area. The COC in this AOC was carbon tetrachloride, with a maximum pre-ISCR concentration of 28 ug/L (MW0610-04). To date, carbon tetrachloride has only been detected above laboratory detection limits in one sample taken from one of these downgradient groundwater monitoring wells (MW0811-02 in April 2018) since remedial action was completed in August 2011. This one detection (0.21 ug/L) was also flagged as an estimated value by the laboratory.

Benzene is generally detected above the applicable groundwater standard in samples taken from MW0610-05 and is intermittently identified in excess of the regulatory standard in samples taken from MW0610-04 (for 2021, March monitoring event only). Benzene concentrations have not exceeded the regulatory standard in samples taken from MW0811-02 since June 2015.

Concentrations of DCE and VC are generally detected above the applicable groundwater standards in samples collected from MW0610-05 and the identified concentrations have been fairly stable over time with slightly decreasing trends identified. Samples taken from MW0610-04 and MW0811-02 occasionally identify low levels of DCE and VC that have not exceeded regulatory standards, with the exception of the June 2017 monitoring event (both analytes in samples from both wells).

Concentrations of iron and TOC in groundwater samples taken from these wells have returned to levels similar to, or slightly elevated from, those identified prior to ISCR injections, which suggests that the injected substrate has been consumed and any ongoing degradation processes will likely be at a slower rate. Laboratory analytical results from these wells will be monitored during future sampling events to determine if discernable trends occur and if additional action is warranted.

4.7 Toluene Area

To demonstrate the effectiveness of source removal activities completed in this area in 2011, groundwater sampling has been performed at two (2) downgradient groundwater monitoring wells on a quarterly basis. The principal COC in this area is toluene, with maximum pre source removal concentrations of 36,000 ug/L (IW-1) and 77,000 ug/L (IW-2). Currently (December 2021), toluene concentrations identified in these groundwater monitoring wells are 6.9 ug/L (a 99.9% reduction) and non-detect (a 99.9% reduction if the current laboratory detection limit is used in the calculations), respectively. Other VOCs detected in groundwater samples taken from these monitoring wells during the 2021 sampling events that exceed applicable groundwater standards include:

Exhibit 4-9 Concentrations of COCs during 2021 Monitoring Events

Well	Analyte	Concentration (ug/L)	Date Sampled
IW-1	VC	2.3	September
IW-1	Benzene	15	March
		17	June
		17	September
		12	December
IW-2	VC	18	March
		18	June
		25	September
		23	December
IW-2	Benzene	3.1	March
		1.8	June
		1.9	September
		6.0	December

AOC-1 is adjacent to and downgradient of the Toluene Area. AOC-1 monitoring wells OW-1/MW-26 and OW-2 are downgradient of IW-1 and IW-2. Toluene concentrations in samples from OW-1/MW-26 had been non-detect since June 2009 and as a result the monitoring well has not been sampled since September 2014, with the concurrence of NYSDEC. Toluene was detected in the sample from OW-2 during the September 2018 and September 2020 monitoring events, below the applicable groundwater standard, at estimated concentrations of 1.5 ug/L and 1.4 ug/L, respectively. These concentrations are significantly reduced from the highest identified toluene concentration in the sample taken from this well in March 2009, 9,400 ug/L. A sample could not be obtained from OW-2 during the September 2021 monitoring event since the well was found to be extensively damaged. Based on the groundwater sample analytical data, it appears that the selected remedy was effective at mitigating toluene, the COC for this AOC, impacts to groundwater.

5. Conclusions and Recommendations

Overall, laboratory analytical results of groundwater samples taken from specific groundwater monitoring wells in each AOC indicate that the remedial actions completed in each of the AOCs were effective in removing/reducing groundwater contamination relative to pre-remediation conditions. The following sections include observations and discussions of the remedial action performance and recommendations for future monitoring activities for each AOC.

5.1 AOC-1

Based on groundwater monitoring conducted since ISCO injection was completed in December 2008, concentrations of COCs in samples taken from each of the groundwater monitoring wells have shown significant decreases.

Residual concentrations of COCs TCE, DCE, and/or VC remain in groundwater samples taken from OW-3, OW-6/MW-3, OW-7/MW-27, and PTOW1-1; however, concentrations from the most recent sampling event (September 2021) only identified the following exceedances of groundwater standards:

- DCE – 53 ug/L (OW-6/MW-3)
- VC – 7.9 ug/L (OW-3) and 74 ug/L (OW-6/MW-3)

In addition, monitoring well PTOW1-1 is immediately upgradient of monitoring well OW-6/MW-3 and concentrations of TCE, DCE, and VC detected in groundwater samples taken from PTOW1-1 have been below groundwater standards since ISCO injections were completed. Elevated concentrations of benzene continue to be identified throughout AOC-1, with most monitoring locations identifying decreasing trends.

It is noted that groundwater monitoring well OW-2 in AOC-1 was found to be extensively damaged rendering it unusable for groundwater monitoring, and therefore it is recommended that monitoring well OW-2 be decommissioned. If approved by NYSDEC, decommissioning of Site groundwater monitoring well OW-2 is proposed to occur following the grouting in place method outlined in the NYSDEC's Groundwater Monitoring Well Decommissioning Policy (CP-43, November 2009).

Based on the observed consistency of concentrations and the overall decreasing trends, it is recommended that monitoring of the revised list of five (5) groundwater monitoring wells (OW-3, OW-4, OW-6/MW-3, OW-7/MW-27, and PTOW1-1) in AOC-1 be continued; however, it should be requested that the NYSDEC allow the sampling frequency to be reduced from annual to once every two years (biennial).

5.2 AOC-2

Concentrations of TCE identified in groundwater samples taken from monitoring wells in this AOC have exhibited significantly decreasing trends since ISCO injection was completed, with identified concentrations in samples taken from OW-1, OW-4/MW-28, and OW-5 remaining below groundwater standards since November 2010, December 2015, and September 2013, respectively. TCE concentrations in samples taken from OW-2/MW-41 and OW-3 have historically shown a decreasing trend since ISCO injection, and the latest results from the December 2021 monitoring event were below regulatory standards, at 2.6 ug/L and ND, respectively.

Concentrations of DCE and VC have been more variable over time, with most wells showing initial increases in identified concentrations following ISCO injection. In general, concentrations of DCE exhibited a decreasing trend following the initial increase; however, concentrations remain above the Class GA standard in samples taken from each of the monitoring wells, except OW-1. VC concentrations also exhibited a general decreasing trend following the initial increase, with concentrations remaining above standards in samples taken from all wells within the AOC.

It is recommended that monitoring of the five (5) groundwater monitoring wells in AOC-2 continue on a quarterly basis to continue to assess the effectiveness of the remedy.

5.3 AOC-3

In general, concentrations of VOCs detected in groundwater samples taken from within, and in the presumed downgradient direction of, the source removal area have shown a decrease since source removal activities were completed; however, they remain elevated above Class GA standards and although variable, appear to be stabilizing at these elevated concentrations. Based on analytical results from the one-time additional sampling event completed during September 2018 at three wells downgradient of AOC-3, it appears that there is no significant migration of COCs further downgradient of the source area.

It is recommended that groundwater monitoring of the two (2) monitoring wells in AOC-3 continue on a quarterly basis to better understand long-term effectiveness of the source removal activities and whether natural degradation of COCs continues to occur.

5.4 AOC-4

In general, concentrations of VOCs detected in samples taken from within, and in the presumed downgradient direction of, the source removal area exhibited significant decreases after completion of source removal activities followed by variable but relatively stable concentrations in more recent monitoring events. The concentrations of COCs detected in samples from MW0911-01 appear to continue to exhibit overall decreasing trends. The concentrations of COCs identified in groundwater samples taken from both wells within this AOC remain above Class GA standards. Based on analytical results of the one-time additional sampling event completed during September 2018 at three wells downgradient of AOC-4, it appears that there is no significant migration of COCs further downgradient of the source area.

It is recommended that groundwater monitoring of the two (2) monitoring wells in AOC-4 continue on a quarterly basis to better understand long-term effectiveness of the source removal activities and whether natural degradation of COCs continues to occur.

5.5 AOC-5

Groundwater monitoring well MW0811-01 was installed in the AOC-5 source area. Based on results of the most recent groundwater sample taken from this monitoring well, there has been a decrease in TCE concentrations to below laboratory method detection limits since September 2017; a 96% decrease in DCE; and a 15% increase in VC. The increase observed for VC is likely the result of degradation of TCE and DCE, which can lead to a short-term increase in VC concentrations. Based on the elevated concentration of iron present in the most recent sample taken from

MW0811-01, it is believed that injected substrate remains, and that further degradation is anticipated to continue over time but likely at a slower rate.

Similarly, concentrations of COCs in samples taken from downgradient groundwater monitoring well MW0610-1 have identified a 99% decrease in TCE to concentrations below groundwater standards and generally flagged as estimated values by the laboratory; a 93% decrease in DCE; and a 62% decrease in VC. These decreases are expected to continue over time.

Groundwater samples taken from downgradient groundwater monitoring well MW-63 have shown an increase in DCE and VC concentrations since remedial actions were completed. TCE concentrations identified in samples taken from this well have fluctuated over time and have not exceeded standards since at least August 2011. The increasing concentrations of DCE and VC identified in this downgradient well are expected due to the degradation of TCE within the AOC, as discussed above.

Overall, based on significant decreases in concentrations of COCs, the ISCR remedial approach appears to have been effective at reducing the concentrations of COCs in this AOC, and the substrate to continue this degradation appears to remain in the area.

It is recommended that monitoring of the three (3) groundwater monitoring wells continue in order to determine if decreasing downgradient trends persist in AOC-5; however, it should be requested that the NYSDEC allow the sampling frequency to be reduced from quarterly to semi-annually, during the 1st and 3rd quarters of each year.

5.6 Carbon Tet Area

Based on laboratory analytical results, carbon tetrachloride has not been detected in downgradient groundwater samples at concentrations above laboratory method detection limits since remedial actions were completed in this AOC in September 2011, with the exception of one estimated concentration in the sample taken from MW0811-02 in April 2018. Generally, the other VOC concentrations detected in this AOC have decreased and are consistently below groundwater standards in samples taken from MW0610-4 (except intermittent benzene exceedances) and MW0811-02. Benzene, DCE, and VC continue to be detected at concentrations that exceed groundwater standards in the samples taken from well MW0610-5 and concentrations appear to have stabilized with minor fluctuations. Laboratory results also indicate that iron and total organic carbon levels have generally returned to pre-injection conditions, which suggests that degradation of the remaining VOCs in the area could continue, but likely at a slower rate.

It is recommended that sampling of the three (3) downgradient groundwater monitoring wells in this AOC continue in order to monitor long-term effectiveness of ISCR injections; however, it should be requested that the NYSDEC allow the sampling frequency to be reduced from quarterly to annually, during the 3rd quarter of each year.

5.7 Toluene Area

The removal of impacted soil from the Toluene Area in November 2011 has resulted in a 99.9% decrease in toluene concentrations in samples taken from downgradient groundwater monitoring wells IW-1 and IW-2. Concentrations have fluctuated during the 2021 monitoring events and were slightly above groundwater standards in the samples taken from IW-1 in March (13 ug/L), September (6.2 ug/L), and December (6.9 ug/L). Toluene concentrations in IW-2 have been below laboratory method detection limits since June 2017 with the exception of September 2018 and March 2019, which were below the regulatory standard and flagged as estimated values by the laboratory.

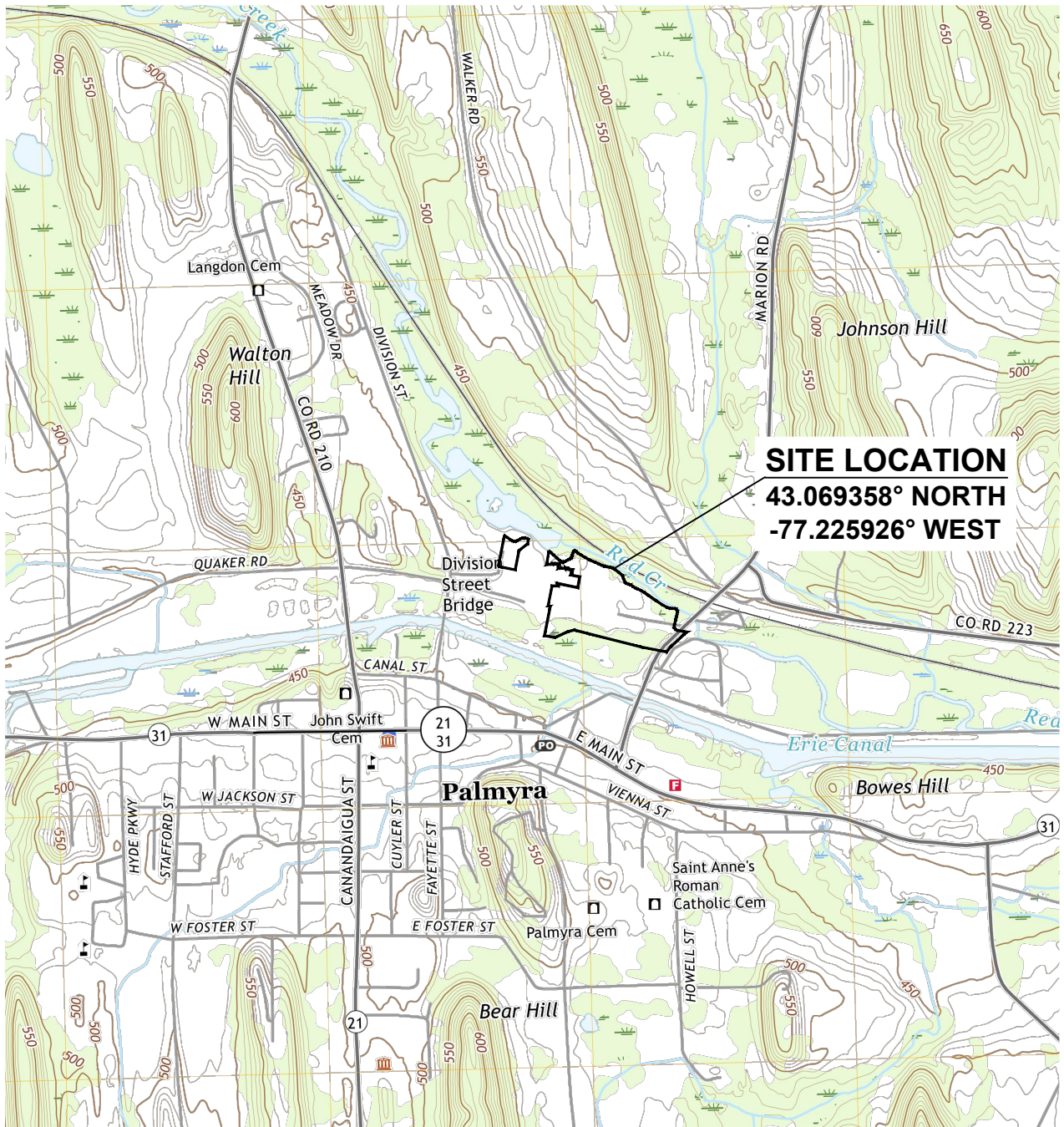
Based on these trends, it is recommended that monitoring of the two (2) downgradient wells in this AOC continue in order to determine long-term effectiveness of source removal activities; however, it should be requested that the NYSDEC allow the sampling frequency to be reduced from quarterly to annually, during the 3rd quarter of each year.

5.8 Summary of Recommended Revisions

Table 2 Summary of Recommended Monitoring Program Revisions

AOC	Current Monitoring Frequency	Current Monitoring Locations (as approved by NYSDEC)	Required Analysis	Recommended Future Monitoring
AOC-1	Annual	OW-2, OW-3, OW-4, OW-6/MW-3, OW-7/MW-27, and PTOW1-1	TCL VOCs, TOC, COD, Field Parameters	Decommission monitoring well OW-2 Same monitoring wells and analytical list, except removal of monitoring well OW-2 Biennial frequency (3 rd quarter every other year)
AOC-2	Quarterly	OW-1, OW-2/MW-41, OW-3, OW-4/MW-28, and OW-5	TCL VOCs, TOC, COD, Field Parameters	No proposed modifications
AOC-3	Quarterly	MW0512-02 and MW0911-02	TCL VOCs, Field Parameters	No proposed modifications
AOC-4	Quarterly	MW0512-01 and MW0911-01	TCL VOCs, Field Parameters	No proposed modifications
AOC-5	Quarterly	MW-63, MW0610-1, and MW0811-01	TCL VOCs, TOC, COD, BOD, Hardness, Alkalinity, Iron, Magnesium, Manganese, Chloride, Sulfate, Nitrate, Dissolved Gases (ethane, ethene, methane), Field Parameters	Same three (3) monitoring wells and analytical list Semi-annual frequency (1 st and 3 rd quarters each year)
Carbon Tet Area	Quarterly	MW0610-4, MW0610-5, and MW0811-02	TCL VOCs, TOC, COD, BOD, Hardness, Alkalinity, Iron, Magnesium, Manganese, Chloride, Sulfate, Nitrate, Dissolved Gases (ethane, ethene, methane), Field Parameters	Same three (3) monitoring wells and analytical list Annual frequency (3 rd quarter each year)
Toluene Area	Quarterly	IW-1 and IW-2	TCL VOCs, Field Parameters	Same two (2) monitoring wells and analytical list Annual frequency (3 rd quarter each year)

Figures



SITE LOCATION
43.069358° NORTH
-77.225926° WEST

CONTOUR INTERVAL: 10 FEET

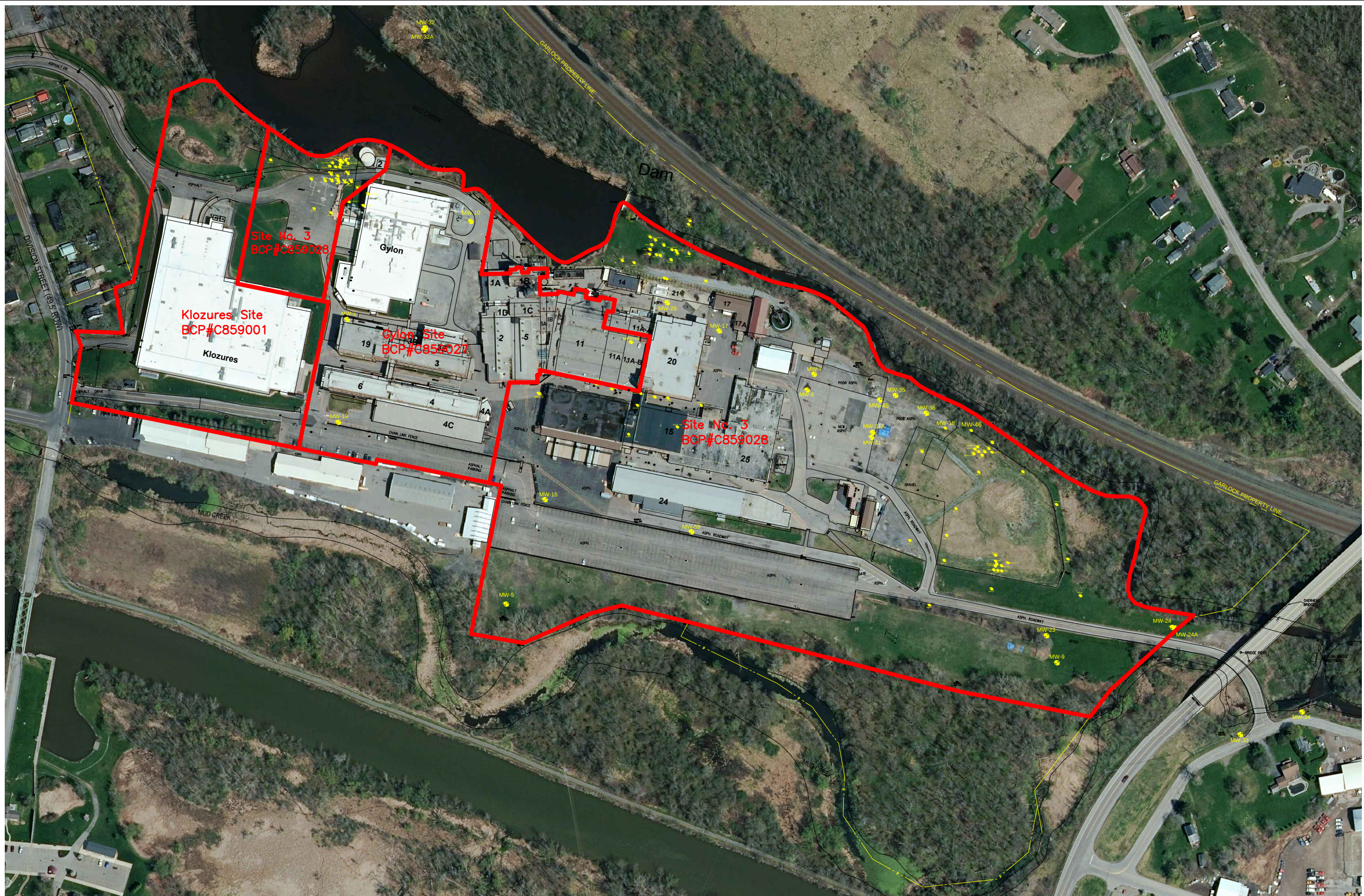
MAPS TAKEN FROM: USGS 7.5 MINUTE SERIES
 TOPOGRAPHIC QUADRANGLE:
 PALMYRA, NY (2019)
 (U.S. GEOLOGICAL SURVEY WEBSITE)



Garlock Sealing Technologies
Site No. 3 - BCP Site #C859028
Annual Groundwater Monitoring Report - 2021
Site Location Map

Project No. 8615140
Report No. Annual 2021
Date 02/2022

FIGURE 1

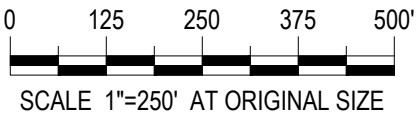
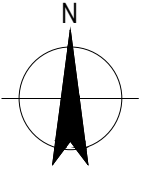


LEGEND:

- MW-30 Groundwater Monitoring Well Location and ID (Surveyed)
- BCP Site Boundary (Approximate)

NOTES:

1. Site features based on field surveys provided by others.
2. Aerial images are 1-foot resolution true color imagery dated 2018 and taken from the NYS GIS Clearinghouse website.

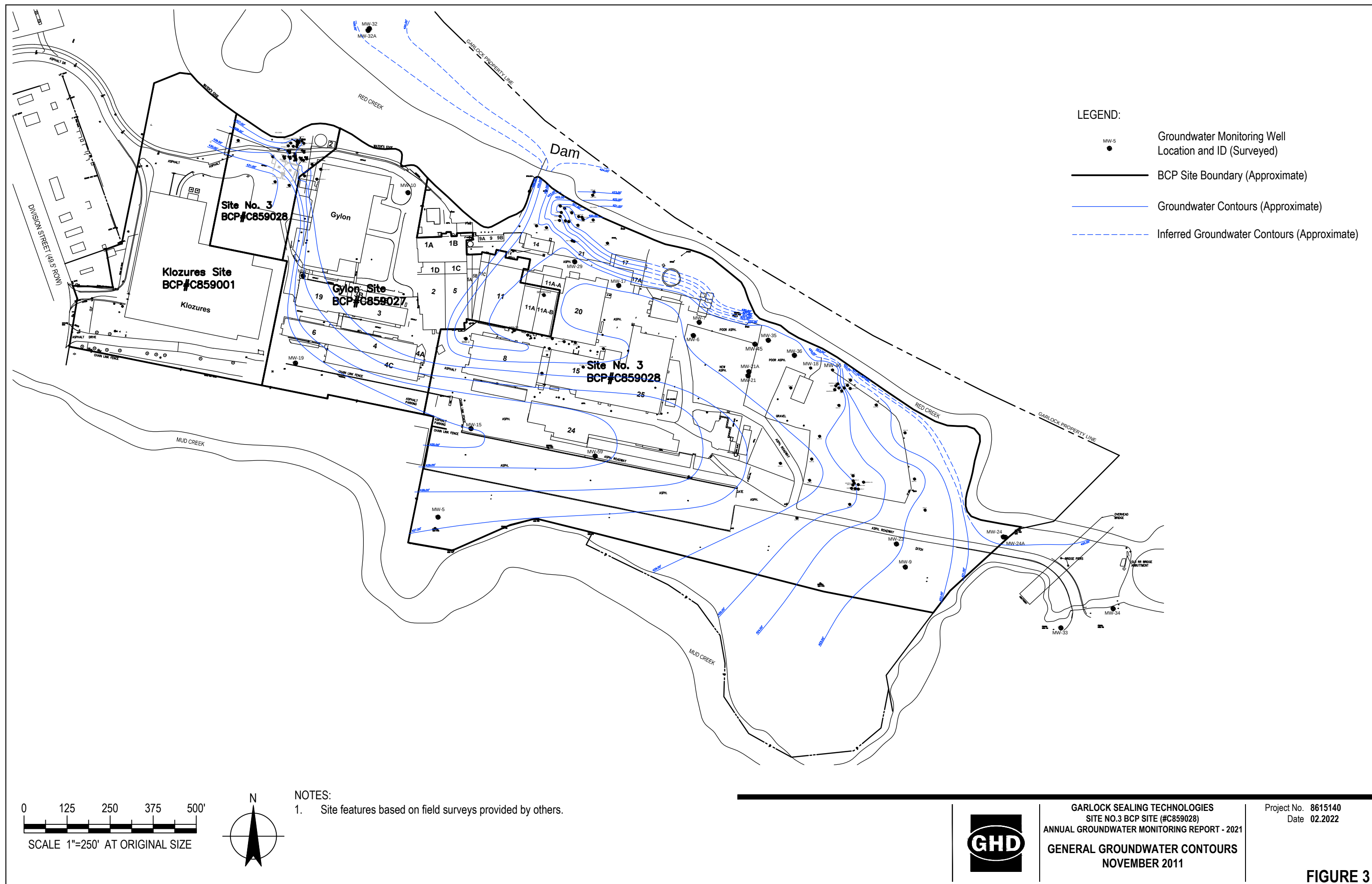


GARLOCK SEALING TECHNOLOGIES
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SITE LAYOUT

FIGURE 2



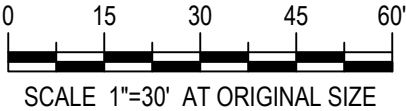
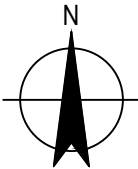


LEGEND:

- MW0610-5**
 Effectiveness Groundwater Monitoring Well Location and ID (Surveyed)
- MW-62**
 Other Groundwater Monitoring Well Location and ID (Surveyed)
- 427.09'**
 Groundwater Elevation (September 2021)

NOTES:

1. Site features based on field surveys provided by others.
2. Aerial images are 1-foot resolution true color imagery dated 2018 and taken from the NYS GIS Clearinghouse website.



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AOC-1, CARBON TET. AREA, AND TANK
FARM AREA

Project No. 8615140
Date 02.2022

FIGURE 4



LEGEND:

OW-1

Effectiveness Groundwater Monitoring Well Location and ID (Surveyed)

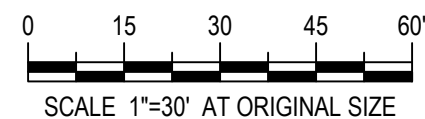
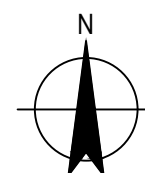
MW-43

Other Groundwater Monitoring Well Location and ID (Surveyed)

422.31'

Groundwater Elevation (September 2021)

- NOTES:
1. Site features based on field surveys provided by others.
 2. Aerial images are 1-foot resolution true color imagery dated 2018 and taken from the NYS GIS Clearinghouse website.



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AOC-2

FIGURE 5



LEGEND:

MW0512-01

Effectiveness Groundwater Monitoring Well Location and ID (Surveyed)

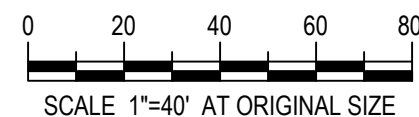
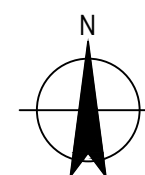
MW-49

Other Groundwater Monitoring Well Location and ID (Surveyed)

424.72'

Groundwater Elevation (September 2021)

- NOTES:
1. Site features based on field surveys provided by others.
 2. Aerial images are 1-foot resolution true color imagery dated 2018 and taken from the NYS GIS Clearinghouse website.



GARLOCK SEALING TECHNOLOGIES
 SITE NO. 3 BCP SITE (#C859028)
 ANNUAL GROUNDWATER MONITORING REPORT - 2021

Project No. **8615140**
 Date **02.2022**

AOC-3 AND AOC-4

FIGURE 6

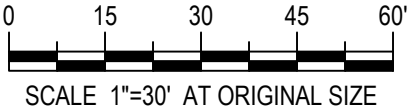
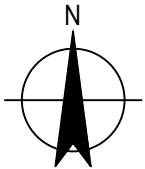


LEGEND:

- MW0610-1** Effectiveness Groundwater Monitoring Well Location and ID (Surveyed)
- MW-55** Other Groundwater Monitoring Well Location and ID (Surveyed)
- 425.62'** Groundwater Elevation (September 2021)

NOTES:

1. Site features based on field surveys provided by others.
2. Aerial images are 1-foot resolution true color imagery dated 2018 and taken from the NYS GIS Clearinghouse website.



GARLOCK SEALING TECHNOLOGIES
SITE NO.3 BCP SITE (#C859028)
ANNUAL GROUNDWATER MONITORING REPORT - 2021

Project No. 8615140
Date 02.2022

AOC-5

FIGURE 7

Attachments

Attachment A

Summary Tables for Groundwater Elevations, Groundwater Field parameters, Groundwater Sample Laboratory Analytical Results, and Groundwater Sample Laboratory Analytical Results Time Series Plots

Groundwater Elevations



Table 1
Summary of Groundwater Elevations

Garlock Sealing Technologies
Site No. 3 BCP Site
Site #C859028

Groundwater Elevations and Volumes								
Monitoring Well I.D.	Date	AOC	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Volume (gal)
OW-1 (MW-26)	9/23/2014	AOC-1	Top of PVC	430.51	3.08	16.30	427.43	2.14
OW-2	9/23/2014	AOC-1	Top of PVC	431.09	2.90	15.25	428.19	2.00
OW-2	9/24/2015	AOC-1	Top of PVC	431.09	3.40	15.25	427.69	1.92
OW-2	9/28/2016	AOC-1	Top of PVC	431.09	3.32	14.68	427.77	1.84
OW-2	9/26/2017	AOC-1	Top of PVC	431.09	3.46	14.97	427.63	1.86
OW-2	9/24/2018	AOC-1	Top of PVC	431.09	3.47	14.97	427.62	1.86
OW-2	9/24/2019	AOC-1	Top of PVC	431.09	3.12	14.97	427.97	1.92
OW-2	9/22/2020	AOC-1	Top of PVC	431.09	3.51	14.50	427.58	1.78
OW-2	9/28/2021	AOC-1	Top of PVC	431.09	NM	NM	NM	NM
OW-3	9/23/2014	AOC-1	Top of PVC	431.14	3.33	15.62	427.81	1.99
OW-3	9/24/2015	AOC-1	Top of PVC	431.14	3.57	15.62	427.57	1.95
OW-3	9/28/2016	AOC-1	Top of PVC	431.14	3.98	15.60	427.16	1.88
OW-3	9/26/2017	AOC-1	Top of PVC	431.14	3.62	15.90	427.52	1.99
OW-3	9/24/2018	AOC-1	Top of PVC	431.14	3.99	15.90	427.15	1.93
OW-3	9/24/2019	AOC-1	Top of PVC	431.14	3.22	15.90	427.92	2.05
OW-3	9/22/2020	AOC-1	Top of PVC	431.14	2.99	15.92	428.15	2.09
OW-3	9/28/2021	AOC-1	Top of PVC	431.14	3.31	15.87	427.83	2.03
OW-4	9/23/2014	AOC-1	Top of PVC	430.72	3.23	15.40	427.49	1.97
OW-4	9/24/2015	AOC-1	Top of PVC	430.72	3.80	15.40	426.92	1.88
OW-4	9/28/2016	AOC-1	Top of PVC	430.72	3.91	15.42	426.81	1.86
OW-4	9/26/2017	AOC-1	Top of PVC	430.72	3.69	15.68	427.03	1.94
OW-4	9/24/2018	AOC-1	Top of PVC	430.72	3.08	15.68	427.64	2.04
OW-4	9/24/2019	AOC-1	Top of PVC	430.72	3.49	15.68	427.23	1.97
OW-4	9/22/2020	AOC-1	Top of PVC	430.72	4.02	15.67	426.70	1.89
OW-4	9/28/2021	AOC-1	Top of PVC	430.72	3.41	15.66	427.31	1.98
OW-6 (MW-3)	9/23/2014	AOC-1	Top of PVC	429.13	1.70	13.11	427.43	1.85
OW-6 (MW-3)	9/24/2015	AOC-1	Top of PVC	429.13	2.23	13.11	426.90	1.76
OW-6 (MW-3)	9/28/2016	AOC-1	Top of PVC	429.13	2.26	13.00	426.87	1.74
OW-6 (MW-3)	9/26/2017	AOC-1	Top of PVC	429.13	NM	NM	-	-
OW-6 (MW-3)	9/24/2018	AOC-1	Top of PVC	429.13	2.20	13.10	426.93	1.77
OW-6 (MW-3)	9/24/2019	AOC-1	Top of PVC	429.13	1.98	13.24	427.15	1.82
OW-6 (MW-3)	9/22/2020	AOC-1	Top of PVC	429.13	2.60	13.20	426.53	1.72
OW-6 (MW-3)	9/28/2021	AOC-1	Top of PVC	429.13	1.95	13.21	427.18	1.82
OW-7 (MW-27)	9/23/2014	AOC-1	Top of PVC	429.94	2.43	15.57	427.51	2.13
OW-7 (MW-27)	9/24/2015	AOC-1	Top of PVC	429.94	3.02	15.57	426.92	2.03
OW-7 (MW-27)	9/28/2016	AOC-1	Top of PVC	429.94	3.16	15.31	426.78	1.97
OW-7 (MW-27)	9/26/2017	AOC-1	Top of PVC	429.94	3.09	15.57	426.85	2.02
OW-7 (MW-27)	9/24/2018	AOC-1	Top of PVC	429.94	3.08	15.57	426.86	2.02
OW-7 (MW-27)	9/24/2019	AOC-1	Top of PVC	429.94	3.00	15.57	426.94	2.04
OW-7 (MW-27)	9/22/2020	AOC-1	Top of PVC	429.94	3.27	15.45	426.67	1.97
OW-7 (MW-27)	9/28/2021	AOC-1	Top of PVC	429.94	2.79	15.51	427.15	2.06
PTOW1-1	9/23/2014	AOC-1	Top of PVC	430.19	2.60	10.10	427.59	0.30
PTOW1-1	9/24/2015	AOC-1	Top of PVC	430.19	3.05	10.10	427.14	0.28
PTOW1-1	9/28/2016	AOC-1	Top of PVC	430.19	2.95	10.00	427.24	0.28
PTOW1-1	9/26/2017	AOC-1	Top of PVC	430.19	3.13	10.33	427.06	0.29
PTOW1-1	9/24/2018	AOC-1	Top of PVC	430.19	2.93	10.33	427.26	0.30
PTOW1-1	9/24/2019	AOC-1	Top of PVC	430.19	2.50	10.33	427.69	0.31
PTOW1-1	9/22/2020	AOC-1	Top of PVC	430.19	3.35	7.91	426.84	0.18
PTOW1-1	9/28/2021	AOC-1	Top of PVC	430.19	2.39	7.99	427.80	0.22
PTOW1-4	9/23/2014	AOC-1	Top of PVC	430.2	1.82	8.60	428.38	0.27



Table 1
Summary of Groundwater Elevations

Garlock Sealing Technologies
Site No. 3 BCP Site
Site #C859028

Groundwater Elevations and Volumes								
Monitoring Well I.D.	Date	AOC	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Volume (gal)
OW-1	9/22/2014	AOC-2	Top of PVC	426.96	4.47	15.51	422.49	1.79
OW-1	12/4/2014	AOC-2	Top of PVC	426.96	4.05	15.51	422.91	1.86
OW-1	3/23/2015	AOC-2	Top of PVC	426.96	2.82	15.51	424.14	2.06
OW-1	6/29/2015	AOC-2	Top of PVC	426.96	2.89	15.51	424.07	2.04
OW-1	9/24/2015	AOC-2	Top of PVC	426.96	4.51	15.51	422.45	1.78
OW-1	12/21/2015	AOC-2	Top of PVC	426.96	4.20	15.49	422.76	1.83
OW-1	3/24/2016	AOC-2	Top of PVC	426.96	3.90	15.54	423.06	1.89
OW-1	6/22/2016	AOC-2	Top of PVC	426.96	4.81	15.56	422.15	1.74
OW-1	9/28/2016	AOC-2	Top of PVC	426.96	4.84	15.31	422.12	1.70
OW-1	12/22/2016	AOC-2	Top of PVC	426.96	4.42	15.38	422.54	1.78
OW-1	3/21/2017	AOC-2	Top of PVC	426.96	3.83	15.48	423.13	1.89
OW-1	6/28/2017	AOC-2	Top of PVC	426.96	4.69	15.60	422.27	1.77
OW-1	9/26/2017	AOC-2	Top of PVC	426.96	4.73	15.58	422.23	1.76
OW-1	12/19/2017	AOC-2	Top of PVC	426.96	3.80	15.58	423.16	1.91
OW-1	4/3/2018	AOC-2	Top of PVC	426.96	3.38	15.51	423.58	1.97
OW-1	6/15/2018	AOC-2	Top of PVC	426.96	4.85	15.51	422.11	1.73
OW-1	9/24/2018	AOC-2	Top of PVC	426.96	4.72	15.58	422.24	1.76
OW-1	12/19/2018	AOC-2	Top of PVC	426.96	3.95	15.51	423.01	1.87
OW-1	3/27/2019	AOC-2	Top of PVC	426.96	4.16	15.51	422.80	1.84
OW-1	6/27/2019	AOC-2	Top of PVC	426.96	3.95	15.51	423.01	1.87
OW-1	9/24/2019	AOC-2	Top of PVC	426.96	4.57	15.58	422.39	1.78
OW-1	12/19/2019	AOC-2	Top of PVC	426.96	3.48	15.51	423.48	1.95
OW-1	3/24/2020	AOC-2	Top of PVC	426.96	3.60	15.51	423.36	1.93
OW-1	6/23/2020	AOC-2	Top of PVC	426.96	4.75	15.51	422.21	1.74
OW-1	9/22/2020	AOC-2	Top of PVC	426.96	4.82	15.70	422.14	1.76
OW-1	12/15/2020	AOC-2	Top of PVC	426.96	4.30	15.70	422.66	1.85
OW-1	3/30/2021	AOC-2	Top of PVC	426.96	3.73	15.70	423.23	1.94
OW-1	6/29/2021	AOC-2	Top of PVC	426.96	4.70	15.70	422.26	1.78
OW-1	9/28/2021	AOC-2	Top of PVC	426.96	4.25	15.58	422.71	1.84
OW-1	12/21/2021	AOC-2	Top of PVC	426.96	3.73	15.58	423.23	1.92
OW-2 (MW-41)	9/23/2014	AOC-2	Top of PVC	426.55	4.55	14.77	422.00	1.66
OW-2 (MW-41)	12/4/2014	AOC-2	Top of PVC	426.55	4.18	14.77	422.37	1.72
OW-2 (MW-41)	3/23/2015	AOC-2	Top of PVC	426.55	2.51	14.77	424.04	1.99
OW-2 (MW-41)	6/29/2015	AOC-2	Top of PVC	426.55	2.53	14.77	424.02	1.98
OW-2 (MW-41)	9/24/2015	AOC-2	Top of PVC	426.55	4.59	14.77	421.96	1.65
OW-2 (MW-41)	12/21/2015	AOC-2	Top of PVC	426.55	4.26	15.76	422.29	1.86
OW-2 (MW-41)	3/24/2016	AOC-2	Top of PVC	426.55	3.92	14.79	422.63	1.76
OW-2 (MW-41)	6/22/2016	AOC-2	Top of PVC	426.55	4.82	14.82	421.73	1.62
OW-2 (MW-41)	9/28/2016	AOC-2	Top of PVC	426.55	5.07	14.59	421.48	1.54
OW-2 (MW-41)	12/22/2016	AOC-2	Top of PVC	426.55	4.20	14.65	422.35	1.69
OW-2 (MW-41)	3/21/2017	AOC-2	Top of PVC	426.55	3.80	14.76	422.75	1.78
OW-2 (MW-41)	6/28/2017	AOC-2	Top of PVC	426.55	4.68	14.86	421.87	1.65
OW-2 (MW-41)	9/26/2017	AOC-2	Top of PVC	426.55	4.90	14.86	421.65	1.61
OW-2 (MW-41)	12/19/2017	AOC-2	Top of PVC	426.55	4.21	14.84	422.34	1.72
OW-2 (MW-41)	4/3/2018	AOC-2	Top of PVC	426.55	3.11	14.78	423.44	1.89
OW-2 (MW-41)	6/15/2018	AOC-2	Top of PVC	426.55	4.81	14.78	421.74	1.62
OW-2 (MW-41)	9/24/2018	AOC-2	Top of PVC	426.55	4.91	14.86	421.64	1.61
OW-2 (MW-41)	12/19/2018	AOC-2	Top of PVC	426.55	3.93	14.78	422.62	1.76
OW-2 (MW-41)	3/27/2019	AOC-2	Top of PVC	426.55	4.07	14.78	422.48	1.74
OW-2 (MW-41)	6/27/2019	AOC-2	Top of PVC	426.55	4.00	14.78	422.55	1.75
OW-2 (MW-41)	9/24/2019	AOC-2	Top of PVC	426.55	4.82	14.86	421.73	1.63
OW-2 (MW-41)	12/19/2019	AOC-2	Top of PVC	426.55	3.28	14.78	423.27	1.86
OW-2 (MW-41)	3/24/2020	AOC-2	Top of PVC	426.55	2.79	14.78	423.76	1.94
OW-2 (MW-41)	6/23/2020	AOC-2	Top of PVC	426.55	5.03	14.78	421.52	1.58
OW-2 (MW-41)	9/22/2020	AOC-2	Top of PVC	426.55	5.16	14.88	421.39	1.57
OW-2 (MW-41)	12/15/2020	AOC-2	Top of PVC	426.55	4.69	14.88	421.86	1.65
OW-2 (MW-41)	3/30/2021	AOC-2	Top of PVC	426.55	3.83	14.88	422.72	1.79
OW-2 (MW-41)	6/29/2021	AOC-2	Top of PVC	426.55	4.98	14.88	421.57	1.60
OW-2 (MW-41)	9/28/2021	AOC-2	Top of PVC	426.55	4.67	14.84	421.88	1.65
OW-2 (MW-41)	12/21/2021	AOC-2	Top of PVC	426.55	3.79	14.84	422.76	1.79



Table 1
Summary of Groundwater Elevations

Garlock Sealing Technologies
Site No. 3 BCP Site
Site #C859028

Groundwater Elevations and Volumes								
Monitoring Well I.D.	Date	AOC	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Volume (gal)
OW-3 (AOC-2)	9/23/2014	AOC-2	Top of PVC	427.43	5.28	15.31	422.15	1.62
OW-3 (AOC-2)	12/4/2014	AOC-2	Top of PVC	427.43	4.91	15.31	422.52	1.68
OW-3 (AOC-2)	3/23/2015	AOC-2	Top of PVC	427.43	3.34	15.31	424.09	1.94
OW-3 (AOC-2)	6/29/2015	AOC-2	Top of PVC	427.43	3.35	15.31	424.08	1.94
OW-3 (AOC-2)	9/24/2015	AOC-2	Top of PVC	427.43	5.30	15.31	422.13	1.62
OW-3 (AOC-2)	12/21/2015	AOC-2	Top of PVC	427.43	4.87	15.85	422.56	1.78
OW-3 (AOC-2)	3/24/2016	AOC-2	Top of PVC	427.43	4.47	15.34	422.96	1.76
OW-3 (AOC-2)	6/22/2016	AOC-2	Top of PVC	427.43	5.37	15.35	422.06	1.62
OW-3 (AOC-2)	9/28/2016	AOC-2	Top of PVC	427.43	5.70	15.11	421.73	1.52
OW-3 (AOC-2)	12/22/2016	AOC-2	Top of PVC	427.43	4.81	15.20	422.62	1.68
OW-3 (AOC-2)	3/21/2017	AOC-2	Top of PVC	427.43	4.45	15.34	422.98	1.76
OW-3 (AOC-2)	6/28/2017	AOC-2	Top of PVC	427.43	5.19	15.42	422.24	1.66
OW-3 (AOC-2)	9/26/2017	AOC-2	Top of PVC	427.43	5.43	15.40	422	1.62
OW-3 (AOC-2)	12/19/2017	AOC-2	Top of PVC	427.43	4.68	15.41	422.75	1.74
OW-3 (AOC-2)	4/3/2018	AOC-2	Top of PVC	427.43	3.83	15.30	423.6	1.86
OW-3 (AOC-2)	6/15/2018	AOC-2	Top of PVC	427.43	5.32	15.30	422.11	1.62
OW-3 (AOC-2)	9/24/2018	AOC-2	Top of PVC	427.43	5.49	15.40	421.94	1.61
OW-3 (AOC-2)	12/19/2018	AOC-2	Top of PVC	427.43	4.67	15.30	422.76	1.72
OW-3 (AOC-2)	3/27/2019	AOC-2	Top of PVC	427.43	4.72	15.30	422.71	1.71
OW-3 (AOC-2)	6/27/2019	AOC-2	Top of PVC	427.43	4.60	15.30	422.83	1.73
OW-3 (AOC-2)	9/24/2019	AOC-2	Top of PVC	427.43	5.41	15.40	422.02	1.62
OW-3 (AOC-2)	12/19/2019	AOC-2	Top of PVC	427.43	4.04	15.30	423.39	1.82
OW-3 (AOC-2)	3/24/2020	AOC-2	Top of PVC	427.43	4.32	15.30	423.11	1.78
OW-3 (AOC-2)	6/23/2020	AOC-2	Top of PVC	427.43	5.55	15.30	421.88	1.58
OW-3 (AOC-2)	9/22/2020	AOC-2	Top of PVC	427.43	5.71	15.45	421.72	1.58
OW-3 (AOC-2)	12/15/2020	AOC-2	Top of PVC	427.43	5.20	15.45	422.23	1.66
OW-3 (AOC-2)	3/30/2021	AOC-2	Top of PVC	427.43	4.69	15.45	422.74	1.74
OW-3 (AOC-2)	6/29/2021	AOC-2	Top of PVC	427.43	5.48	15.45	421.95	1.62
OW-3 (AOC-2)	9/28/2021	AOC-2	Top of PVC	427.43	5.12	15.38	422.31	1.66
OW-3 (AOC-2)	12/21/2021	AOC-2	Top of PVC	431.14	4.39	15.38	426.75	1.78
OW-4 (MW-28)	9/23/2014	AOC-2	Top of PVC	426.58	4.33	18.03	422.25	2.22
OW-4 (MW-28)	12/4/2014	AOC-2	Top of PVC	426.58	3.98	18.03	422.60	2.28
OW-4 (MW-28)	3/23/2015	AOC-2	Top of PVC	426.58	2.45	18.03	424.13	2.52
OW-4 (MW-28)	6/29/2015	AOC-2	Top of PVC	426.58	2.45	18.03	424.13	2.52
OW-4 (MW-28)	9/24/2015	AOC-2	Top of PVC	426.58	4.32	18.03	422.26	2.22
OW-4 (MW-28)	12/21/2015	AOC-2	Top of PVC	426.58	3.91	18.04	422.67	2.29
OW-4 (MW-28)	3/24/2016	AOC-2	Top of PVC	426.58	3.51	18.03	423.07	2.35
OW-4 (MW-28)	6/22/2016	AOC-2	Top of PVC	426.58	4.34	18.11	422.24	2.23
OW-4 (MW-28)	9/28/2016	AOC-2	Top of PVC	426.58	4.76	17.89	421.82	2.13
OW-4 (MW-28)	12/22/2016	AOC-2	Top of PVC	426.58	3.96	17.95	422.62	2.27
OW-4 (MW-28)	3/21/2017	AOC-2	Top of PVC	426.58	3.60	18.05	422.98	2.34
OW-4 (MW-28)	6/28/2017	AOC-2	Top of PVC	426.58	4.18	18.16	422.40	2.26
OW-4 (MW-28)	9/26/2017	AOC-2	Top of PVC	426.58	4.55	18.14	422.03	2.20
OW-4 (MW-28)	12/19/2017	AOC-2	Top of PVC	426.58	3.20	18.50	423.38	2.48
OW-4 (MW-28)	4/3/2018	AOC-2	Top of PVC	426.58	2.93	18.07	423.65	2.45
OW-4 (MW-28)	6/15/2018	AOC-2	Top of PVC	426.58	4.42	18.07	422.16	2.21
OW-4 (MW-28)	9/24/2018	AOC-2	Top of PVC	426.58	4.65	18.14	421.93	2.19
OW-4 (MW-28)	12/19/2018	AOC-2	Top of PVC	426.58	3.87	18.07	422.71	2.30
OW-4 (MW-28)	3/27/2019	AOC-2	Top of PVC	426.58	4.08	18.07	422.50	2.27
OW-4 (MW-28)	6/27/2019	AOC-2	Top of PVC	426.58	4.07	18.07	422.51	2.27
OW-4 (MW-28)	9/24/2019	AOC-2	Top of PVC	426.58	4.82	18.14	421.76	2.16
OW-4 (MW-28)	12/19/2019	AOC-2	Top of PVC	426.58	3.21	18.07	423.37	2.41
OW-4 (MW-28)	3/24/2020	AOC-2	Top of PVC	426.58	3.52	18.07	423.06	2.36
OW-4 (MW-28)	6/23/2020	AOC-2	Top of PVC	426.58	4.57	18.07	422.01	2.19
OW-4 (MW-28)	9/22/2020	AOC-2	Top of PVC	426.58	4.84	18.19	421.74	2.16
OW-4 (MW-28)	12/15/2020	AOC-2	Top of PVC	426.58	4.33	18.19	422.25	2.25
OW-4 (MW-28)	3/30/2021	AOC-2	Top of PVC	426.58	3.71	18.19	422.87	2.35
OW-4 (MW-28)	6/29/2021	AOC-2	Top of PVC	426.58	4.50	18.19	422.08	2.22
OW-4 (MW-28)	9/28/2021	AOC-2	Top of PVC	426.58	4.23	18.14	422.35	2.25
OW-4 (MW-28)	12/21/2021	AOC-2	Top of PVC	426.58	3.59	18.14	422.99	2.36



Table 1
Summary of Groundwater Elevations

Garlock Sealing Technologies
Site No. 3 BCP Site
Site #C859028

Groundwater Elevations and Volumes								
Monitoring Well I.D.	Date	AOC	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Volume (gal)
OW-5	9/23/2014	AOC-2	Top of PVC	427.35	5.17	14.72	422.18	1.55
OW-5	12/4/2014	AOC-2	Top of PVC	427.35	5.15	14.72	422.20	1.55
OW-5	3/23/2015	AOC-2	Top of PVC	427.35	3.48	14.72	423.87	1.82
OW-5	6/29/2015	AOC-2	Top of PVC	427.35	3.31	14.72	424.04	1.85
OW-5	9/24/2015	AOC-2	Top of PVC	427.35	5.51	14.72	421.84	1.49
OW-5	12/21/2015	AOC-2	Top of PVC	427.35	5.15	14.75	422.20	1.56
OW-5	3/24/2016	AOC-2	Top of PVC	427.35	4.89	14.74	422.46	1.60
OW-5	6/22/2016	AOC-2	Top of PVC	427.35	5.20	14.75	422.15	1.55
OW-5	9/28/2016	AOC-2	Top of PVC	427.35	5.95	14.56	421.40	1.39
OW-5	12/22/2016	AOC-2	Top of PVC	427.35	4.91	14.60	422.44	1.57
OW-5	3/21/2017	AOC-2	Top of PVC	427.35	4.70	15.75	422.65	1.79
OW-5	6/28/2017	AOC-2	Top of PVC	427.35	5.12	14.82	422.23	1.57
OW-5	9/26/2017	AOC-2	Top of PVC	427.35	5.33	14.81	422.02	1.54
OW-5	12/19/2017	AOC-2	Top of PVC	427.35	4.42	14.82	422.93	1.68
OW-5	4/3/2018	AOC-2	Top of PVC	427.35	3.90	14.75	423.45	1.76
OW-5	6/15/2018	AOC-2	Top of PVC	427.35	5.26	14.75	422.09	1.54
OW-5	9/24/2018	AOC-2	Top of PVC	427.35	5.40	14.81	421.95	1.52
OW-5	12/19/2018	AOC-2	Top of PVC	427.35	5.10	14.75	422.25	1.56
OW-5	3/27/2019	AOC-2	Top of PVC	427.35	4.79	14.75	422.56	1.61
OW-5	6/27/2019	AOC-2	Top of PVC	427.35	4.77	14.75	422.58	1.62
OW-5	9/24/2019	AOC-2	Top of PVC	427.35	5.27	14.81	422.08	1.55
OW-5	12/19/2019	AOC-2	Top of PVC	427.35	4.09	14.75	423.26	1.73
OW-5	3/24/2020	AOC-2	Top of PVC	427.35	2.42	14.75	424.93	2.00
OW-5	6/23/2020	AOC-2	Top of PVC	427.35	5.60	14.75	421.75	1.48
OW-5	9/22/2020	AOC-2	Top of PVC	427.35	5.71	14.84	421.64	1.48
OW-5	12/15/2020	AOC-2	Top of PVC	427.35	5.18	14.84	422.17	1.56
OW-5	3/30/2021	AOC-2	Top of PVC	427.35	4.59	14.84	422.76	1.66
OW-5	6/29/2021	AOC-2	Top of PVC	427.35	5.43	14.84	421.92	1.52
OW-5	9/28/2021	AOC-2	Top of PVC	427.35	4.40	14.78	422.95	1.68
OW-5	12/21/2021	AOC-2	Top of PVC	427.35	4.51	14.78	422.84	1.66



Table 1
Summary of Groundwater Elevations

Garlock Sealing Technologies
Site No. 3 BCP Site
Site #C859028

Groundwater Elevations and Volumes								
Monitoring Well I.D.	Date	AOC	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Volume (gal)
MW0512-2	9/23/2014	AOC-3	Top of PVC	435.01	9.45	16.63	425.56	1.16
MW0512-2	12/4/2014	AOC-3	Top of PVC	435.01	9.99	16.63	425.02	1.08
MW0512-2	3/23/2015	AOC-3	Top of PVC	435.01	8.70	16.63	426.31	1.28
MW0512-2	6/29/2015	AOC-3	Top of PVC	435.01	8.17	16.63	426.84	1.37
MW0512-2	9/24/2015	AOC-3	Top of PVC	435.01	9.24	16.63	425.77	1.20
MW0512-2	12/21/2015	AOC-3	Top of PVC	435.01	9.37	16.68	425.64	1.18
MW0512-2	3/24/2016	AOC-3	Top of PVC	435.01	8.44	16.65	426.57	1.33
MW0512-2	6/22/2016	AOC-3	Top of PVC	435.01	9.53	16.67	425.48	1.16
MW0512-2	9/28/2016	AOC-3	Top of PVC	435.01	10.46	16.45	424.55	0.97
MW0512-2	12/22/2016	AOC-3	Top of PVC	435.01	8.74	16.49	426.27	1.26
MW0512-2	3/21/2017	AOC-3	Top of PVC	435.01	8.59	16.65	426.42	1.31
MW0512-2	6/28/2017	AOC-3	Top of PVC	435.01	9.16	16.75	425.85	1.23
MW0512-2	9/26/2017	AOC-3	Top of PVC	435.01	9.12	16.73	425.89	1.23
MW0512-2	12/19/2017	AOC-3	Top of PVC	435.01	8.93	16.70	426.08	1.26
MW0512-2	4/3/2018	AOC-3	Top of PVC	435.01	8.13	16.76	426.88	1.40
MW0512-2	6/15/2018	AOC-3	Top of PVC	435.01	9.28	16.76	425.73	1.21
MW0512-2	9/24/2018	AOC-3	Top of PVC	435.01	9.57	16.73	425.44	1.16
MW0512-2	12/19/2018	AOC-3	Top of PVC	435.01	8.39	16.76	426.62	1.36
MW0512-2	3/27/2019	AOC-3	Top of PVC	435.01	8.55	16.76	426.46	1.33
MW0512-2	6/27/2019	AOC-3	Top of PVC	435.01	8.46	16.76	426.55	1.34
MW0512-2	9/24/2019	AOC-3	Top of PVC	435.01	9.35	16.73	425.66	1.20
MW0512-2	12/19/2019	AOC-3	Top of PVC	435.01	8.16	16.76	426.85	1.39
MW0512-2	3/24/2020	AOC-3	Top of PVC	435.01	8.52	16.76	426.49	1.33
MW0512-2	6/23/2020	AOC-3	Top of PVC	435.01	9.45	16.76	425.56	1.18
MW0512-2	9/22/2020	AOC-3	Top of PVC	435.01	10.13	16.78	424.88	1.08
MW0512-2	12/15/2020	AOC-3	Top of PVC	435.01	9.70	16.78	425.31	1.15
MW0512-2	3/30/2021	AOC-3	Top of PVC	435.01	8.64	16.78	426.37	1.32
MW0512-2	6/29/2021	AOC-3	Top of PVC	435.01	9.52	16.78	425.49	1.18
MW0512-2	9/28/2021	AOC-3	Top of PVC	435.01	9.36	16.69	425.65	1.19
MW0512-2	12/21/2021	AOC-3	Top of PVC	435.01	8.94	16.69	426.07	1.26
MW0911-2	9/23/2014	AOC-3	Top of PVC	432.39	7.81	17.09	424.58	1.50
MW0911-2	12/4/2014	AOC-3	Top of PVC	432.39	8.50	17.09	423.89	1.39
MW0911-2	3/23/2015	AOC-3	Top of PVC	432.39	6.43	17.09	425.96	1.73
MW0911-2	6/29/2015	AOC-3	Top of PVC	432.39	6.12	17.09	426.27	1.78
MW0911-2	9/24/2015	AOC-3	Top of PVC	432.39	7.46	17.09	424.93	1.56
MW0911-2	12/21/2015	AOC-3	Top of PVC	432.39	7.60	17.10	424.79	1.54
MW0911-2	3/24/2016	AOC-3	Top of PVC	432.39	6.61	17.10	425.78	1.70
MW0911-2	6/22/2016	AOC-3	Top of PVC	432.39	8.19	17.14	424.20	1.45
MW0911-2	9/28/2016	AOC-3	Top of PVC	432.39	9.13	16.90	423.26	1.26
MW0911-2	12/22/2016	AOC-3	Top of PVC	432.39	6.58	17.00	425.81	1.69
MW0911-2	3/21/2017	AOC-3	Top of PVC	432.39	6.43	17.10	425.96	1.73
MW0911-2	6/28/2017	AOC-3	Top of PVC	432.39	7.03	17.17	425.36	1.64
MW0911-2	9/26/2017	AOC-3	Top of PVC	432.39	7.33	17.18	425.06	1.60
MW0911-2	12/19/2017	AOC-3	Top of PVC	432.39	6.87	17.16	425.52	1.67
MW0911-2	4/3/2018	AOC-3	Top of PVC	432.39	6.18	17.19	426.21	1.78
MW0911-2	6/15/2018	AOC-3	Top of PVC	432.39	7.38	17.19	425.01	1.59
MW0911-2	9/24/2018	AOC-3	Top of PVC	432.39	8.28	17.18	424.11	1.44
MW0911-2	12/19/2018	AOC-3	Top of PVC	432.39	6.19	17.19	426.20	1.78
MW0911-2	3/27/2019	AOC-3	Top of PVC	432.39	6.39	17.19	426.00	1.75
MW0911-2	6/27/2019	AOC-3	Top of PVC	432.39	6.28	17.19	426.11	1.77
MW0911-2	9/24/2019	AOC-3	Top of PVC	432.39	7.71	17.18	424.68	1.53
MW0911-2	12/19/2019	AOC-3	Top of PVC	432.39	6.00	17.19	426.39	1.81
MW0911-2	3/24/2020	AOC-3	Top of PVC	432.39	6.38	17.19	426.01	1.75
MW0911-2	6/23/2020	AOC-3	Top of PVC	432.39	8.07	17.19	424.32	1.48
MW0911-2	9/22/2020	AOC-3	Top of PVC	432.39	9.20	17.21	423.19	1.30
MW0911-2	12/15/2020	AOC-3	Top of PVC	432.39	8.39	17.21	424.00	1.43
MW0911-2	3/30/2021	AOC-3	Top of PVC	432.39	6.40	17.21	425.99	1.75
MW0911-2	6/29/2021	AOC-3	Top of PVC	432.39	8.32	17.21	424.07	1.44
MW0911-2	9/28/2021	AOC-3	Top of PVC	432.39	7.57	17.15	424.82	1.55
MW0911-2	12/21/2021	AOC-3	Top of PVC	432.39	6.61	17.15	425.78	1.71



Table 1
Summary of Groundwater Elevations

Garlock Sealing Technologies
Site No. 3 BCP Site
Site #C859028

Groundwater Elevations and Volumes								
Monitoring Well I.D.	Date	AOC	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Volume (gal)
MW0512-1	9/24/2014	AOC-4	Top of PVC	435.73	9.21	17.70	426.52	1.38
MW0512-1	12/4/2014	AOC-4	Top of PVC	435.73	9.21	17.70	426.52	1.38
MW0512-1	3/23/2015	AOC-4	Top of PVC	435.73	7.48	17.70	428.25	1.66
MW0512-1	6/29/2015	AOC-4	Top of PVC	435.73	7.19	17.70	428.54	1.70
MW0512-1	9/24/2015	AOC-4	Top of PVC	435.73	9.02	17.70	426.71	1.41
MW0512-1	12/21/2015	AOC-4	Top of PVC	435.73	8.46	17.76	427.27	1.51
MW0512-1	3/24/2016	AOC-4	Top of PVC	435.73	7.52	17.80	428.21	1.67
MW0512-1	6/22/2016	AOC-4	Top of PVC	435.73	9.27	17.78	426.46	1.38
MW0512-1	9/28/2016	AOC-4	Top of PVC	435.73	10.68	17.56	425.05	1.11
MW0512-1	12/22/2016	AOC-4	Top of PVC	435.73	7.62	17.65	428.11	1.62
MW0512-1	3/21/2017	AOC-4	Top of PVC	435.73	7.43	17.77	428.30	1.68
MW0512-1	6/28/2017	AOC-4	Top of PVC	435.73	8.41	17.85	427.32	1.53
MW0512-1	9/26/2017	AOC-4	Top of PVC	435.73	8.89	17.92	426.84	1.46
MW0512-1	12/19/2017	AOC-4	Top of PVC	435.73	7.90	18.04	427.83	1.64
MW0512-1	4/3/2018	AOC-4	Top of PVC	435.73	7.21	18.57	428.52	1.84
MW0512-1	6/15/2018	AOC-4	Top of PVC	435.73	8.84	18.57	426.89	1.58
MW0512-1	9/24/2018	AOC-4	Top of PVC	435.73	9.26	17.92	426.47	1.40
MW0512-1	12/19/2018	AOC-4	Top of PVC	435.73	7.43	18.57	428.30	1.80
MW0512-1	3/27/2019	AOC-4	Top of PVC	435.73	7.61	18.57	428.12	1.78
MW0512-1	6/27/2019	AOC-4	Top of PVC	435.73	7.21	18.57	428.52	1.84
MW0512-1	9/24/2019	AOC-4	Top of PVC	435.73	8.98	17.20	426.75	1.33
MW0512-1	12/19/2019	AOC-4	Top of PVC	435.73	7.23	18.57	428.50	1.84
MW0512-1	3/24/2020	AOC-4	Top of PVC	435.73	7.49	18.57	428.24	1.79
MW0512-1	6/23/2020	AOC-4	Top of PVC	435.73	9.20	18.57	426.53	1.52
MW0512-1	9/22/2020	AOC-4	Top of PVC	435.73	10.13	18.63	425.60	1.38
MW0512-1	12/15/2020	AOC-4	Top of PVC	435.73	8.80	18.63	426.93	1.59
MW0512-1	3/30/2021	AOC-4	Top of PVC	435.73	7.52	18.63	428.21	1.80
MW0512-1	6/29/2021	AOC-4	Top of PVC	435.73	9.20	18.63	426.53	1.53
MW0512-1	9/28/2021	AOC-4	Top of PVC	435.73	8.60	18.57	427.13	1.62
MW0512-1	12/21/2021	AOC-4	Top of PVC	435.73	7.82	18.57	427.91	1.74
MW0911-1	9/24/2014	AOC-4	Top of PVC	434.41	10.27	16.62	424.14	1.03
MW0911-1	12/4/2014	AOC-4	Top of PVC	434.41	10.15	16.62	424.26	1.05
MW0911-1	3/23/2015	AOC-4	Top of PVC	434.41	8.47	16.62	425.94	1.32
MW0911-1	6/29/2015	AOC-4	Top of PVC	434.41	7.65	16.62	426.76	1.45
MW0911-1	9/24/2015	AOC-4	Top of PVC	434.41	10.08	16.62	424.33	1.06
MW0911-1	12/21/2015	AOC-4	Top of PVC	434.41	9.67	16.62	424.74	1.13
MW0911-1	3/24/2016	AOC-4	Top of PVC	434.41	8.58	16.65	425.83	1.31
MW0911-1	6/22/2016	AOC-4	Top of PVC	434.41	10.31	16.67	424.10	1.03
MW0911-1	9/28/2016	AOC-4	Top of PVC	434.41	11.90	16.46	422.51	0.74
MW0911-1	12/22/2016	AOC-4	Top of PVC	434.41	8.70	16.51	425.71	1.27
MW0911-1	3/21/2017	AOC-4	Top of PVC	434.41	8.55	16.60	425.86	1.30
MW0911-1	6/28/2017	AOC-4	Top of PVC	434.41	9.51	16.69	424.90	1.16
MW0911-1	9/26/2017	AOC-4	Top of PVC	434.41	10.00	16.70	424.41	1.09
MW0911-1	12/19/2017	AOC-4	Top of PVC	434.41	9.10	16.70	425.31	1.23
MW0911-1	4/3/2018	AOC-4	Top of PVC	434.41	8.11	16.70	426.30	1.39
MW0911-1	6/15/2018	AOC-4	Top of PVC	434.41	9.94	16.70	424.47	1.10
MW0911-1	9/24/2018	AOC-4	Top of PVC	434.41	10.39	16.70	424.02	1.02
MW0911-1	12/19/2018	AOC-4	Top of PVC	434.41	8.52	16.70	425.89	1.33
MW0911-1	3/27/2019	AOC-4	Top of PVC	434.41	8.78	16.70	425.63	1.28
MW0911-1	6/27/2019	AOC-4	Top of PVC	434.41	8.42	16.70	425.99	1.34
MW0911-1	9/24/2019	AOC-4	Top of PVC	434.41	10.08	16.70	424.33	1.07
MW0911-1	12/19/2019	AOC-4	Top of PVC	434.41	8.10	16.70	426.31	1.39
MW0911-1	3/24/2020	AOC-4	Top of PVC	434.41	8.56	16.70	425.85	1.32
MW0911-1	6/23/2020	AOC-4	Top of PVC	434.41	10.28	16.70	424.13	1.04
MW0911-1	9/22/2020	AOC-4	Top of PVC	434.41	11.42	16.73	422.99	0.86
MW0911-1	12/15/2020	AOC-4	Top of PVC	434.41	9.99	16.73	424.42	1.09
MW0911-1	3/30/2021	AOC-4	Top of PVC	434.41	8.51	16.73	425.90	1.33
MW0911-1	6/29/2021	AOC-4	Top of PVC	434.41	10.31	16.73	424.10	1.04
MW0911-1	9/28/2021	AOC-4	Top of PVC	434.41	9.69	16.76	424.72	1.15
MW0911-1	12/21/2021	AOC-4	Top of PVC	434.41	8.72	16.76	425.69	1.30



Table 1
Summary of Groundwater Elevations

Garlock Sealing Technologies
Site No. 3 BCP Site
Site #C859028

Groundwater Elevations and Volumes								
Monitoring Well I.D.	Date	AOC	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Volume (gal)
MW0610-1	9/24/2014	AOC-5	Top of PVC	431.23	5.26	14.81	425.97	1.55
MW0610-1	12/5/2014	AOC-5	Top of PVC	431.23	4.91	14.81	426.32	1.60
MW0610-1	3/23/2015	AOC-5	Top of PVC	431.23	4.85	14.81	426.38	1.61
MW0610-1	6/29/2015	AOC-5	Top of PVC	431.23	4.88	14.81	426.35	1.61
MW0610-1	9/24/2015	AOC-5	Top of PVC	431.23	5.20	14.81	426.03	1.56
MW0610-1	12/21/2015	AOC-5	Top of PVC	431.23	5.32	14.84	425.91	1.54
MW0610-1	3/24/2016	AOC-5	Top of PVC	431.23	4.80	14.85	426.43	1.63
MW0610-1	6/22/2016	AOC-5	Top of PVC	431.23	5.30	14.85	425.93	1.55
MW0610-1	9/28/2016	AOC-5	Top of PVC	431.23	5.71	14.62	425.52	1.44
MW0610-1	12/22/2016	AOC-5	Top of PVC	431.23	5.23	14.72	426.00	1.54
MW0610-1	3/21/2017	AOC-5	Top of PVC	431.23	5.06	14.82	426.17	1.58
MW0610-1	6/28/2017	AOC-5	Top of PVC	431.23	5.20	14.91	426.03	1.57
MW0610-1	9/26/2017	AOC-5	Top of PVC	431.23	5.23	14.90	426.00	1.57
MW0610-1	12/19/2017	AOC-5	Top of PVC	431.23	5.11	14.90	426.12	1.59
MW0610-1	4/3/2018	AOC-5	Top of PVC	431.23	5.09	14.90	426.14	1.59
MW0610-1	6/15/2018	AOC-5	Top of PVC	431.23	5.27	14.90	425.96	1.56
MW0610-1	9/24/2018	AOC-5	Top of PVC	431.23	5.32	14.90	425.91	1.55
MW0610-1	12/19/2018	AOC-5	Top of PVC	431.23	5.00	14.90	426.23	1.60
MW0610-1	3/27/2019	AOC-5	Top of PVC	431.23	5.37	14.90	425.86	1.54
MW0610-1	6/27/2019	AOC-5	Top of PVC	431.23	5.05	14.90	426.18	1.60
MW0610-1	9/24/2019	AOC-5	Top of PVC	431.23	5.35	14.90	425.88	1.55
MW0610-1	12/19/2019	AOC-5	Top of PVC	431.23	5.00	14.90	426.23	1.60
MW0610-1	3/24/2020	AOC-5	Top of PVC	431.23	4.64	14.90	426.59	1.66
MW0610-1	6/23/2020	AOC-5	Top of PVC	431.23	5.44	14.90	425.79	1.53
MW0610-1	9/22/2020	AOC-5	Top of PVC	431.23	5.69	14.26	425.54	1.39
MW0610-1	12/15/2020	AOC-5	Top of PVC	431.23	5.50	14.26	425.73	1.42
MW0610-1	3/30/2021	AOC-5	Top of PVC	431.23	5.20	14.26	426.03	1.47
MW0610-1	6/29/2021	AOC-5	Top of PVC	431.23	5.60	14.26	425.63	1.40
MW0610-1	9/28/2021	AOC-5	Top of PVC	431.23	5.52	14.10	425.71	1.39
MW0610-1	12/21/2021	AOC-5	Top of PVC	431.23	5.44	14.10	425.79	1.40
MW0811-1	9/24/2014	AOC-5	Top of PVC	429.36	2.45	10.21	426.91	0.31
MW0811-1	12/5/2014	AOC-5	Top of PVC	429.36	2.42	10.21	426.94	0.31
MW0811-1	3/23/2015	AOC-5	Top of PVC	429.36	1.95	10.21	427.41	0.33
MW0811-1	6/29/2015	AOC-5	Top of PVC	429.36	2.00	10.21	427.36	0.33
MW0811-1	9/24/2015	AOC-5	Top of PVC	429.36	2.47	10.21	426.89	0.31
MW0811-1	12/21/2015	AOC-5	Top of PVC	429.36	2.41	10.11	426.95	0.31
MW0811-1	3/24/2016	AOC-5	Top of PVC	429.36	2.09	10.40	427.27	0.33
MW0811-1	6/22/2016	AOC-5	Top of PVC	429.36	2.50	10.98	426.86	0.34
MW0811-1	9/28/2016	AOC-5	Top of PVC	429.36	2.98	10.85	426.38	0.31
MW0811-1	12/22/2016	AOC-5	Top of PVC	429.36	2.25	10.60	427.11	0.33
MW0811-1	3/21/2017	AOC-5	Top of PVC	429.36	2.20	10.76	427.16	0.34
MW0811-1	6/28/2017	AOC-5	Top of PVC	429.36	2.42	10.88	426.94	0.34
MW0811-1	9/26/2017	AOC-5	Top of PVC	429.36	2.40	10.93	426.96	0.34
MW0811-1	12/19/2017	AOC-5	Top of PVC	429.36	2.39	10.91	426.97	0.34
MW0811-1	4/3/2018	AOC-5	Top of PVC	429.36	2.11	11.00	427.25	0.36
MW0811-1	6/15/2018	AOC-5	Top of PVC	429.36	2.51	11.00	426.85	0.34
MW0811-1	9/24/2018	AOC-5	Top of PVC	429.36	2.49	10.93	426.87	0.34
MW0811-1	12/19/2018	AOC-5	Top of PVC	429.36	2.03	11.00	427.33	0.36
MW0811-1	3/27/2019	AOC-5	Top of PVC	429.36	2.24	11.00	427.12	0.35
MW0811-1	6/27/2019	AOC-5	Top of PVC	429.36	2.13	11.00	427.23	0.35
MW0811-1	9/24/2019	AOC-5	Top of PVC	429.36	2.61	10.93	426.75	0.33
MW0811-1	12/19/2019	AOC-5	Top of PVC	429.36	2.08	11.00	427.28	0.36
MW0811-1	3/24/2020	AOC-5	Top of PVC	429.36	2.22	11.00	427.14	0.35
MW0811-1	6/23/2020	AOC-5	Top of PVC	429.36	2.69	11.00	426.67	0.33
MW0811-1	9/22/2020	AOC-5	Top of PVC	429.36	3.02	11.15	426.34	0.33
MW0811-1	12/15/2020	AOC-5	Top of PVC	429.36	2.82	13.91	426.54	0.44
MW0811-1	3/30/2021	AOC-5	Top of PVC	429.36	2.34	11.15	427.02	0.35
MW0811-1	6/29/2021	AOC-5	Top of PVC	429.36	2.73	11.15	426.63	0.34
MW0811-1	9/28/2021	AOC-5	Top of PVC	429.36	2.42	11.43	426.94	0.36
MW0811-1	12/21/2021	AOC-5	Top of PVC	429.36	2.42	11.43	426.94	0.36



Table 1
Summary of Groundwater Elevations

Garlock Sealing Technologies
Site No. 3 BCP Site
Site #C859028

Groundwater Elevations and Volumes								
Monitoring Well I.D.	Date	AOC	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Volume (gal)
MW-63	9/24/2014	AOC-5	Top of PVC	431.44	5.69	14.31	425.75	1.40
MW-63	12/5/2014	AOC-5	Top of PVC	431.44	5.71	14.31	425.73	1.39
MW-63	3/23/2015	AOC-5	Top of PVC	431.44	5.30	14.31	426.14	1.46
MW-63	6/29/2015	AOC-5	Top of PVC	431.44	5.15	14.31	426.29	1.48
MW-63	9/24/2015	AOC-5	Top of PVC	431.44	5.65	14.31	425.79	1.40
MW-63	12/21/2015	AOC-5	Top of PVC	431.44	5.69	14.33	425.75	1.40
MW-63	3/24/2016	AOC-5	Top of PVC	431.44	5.28	14.35	426.16	1.47
MW-63	6/22/2016	AOC-5	Top of PVC	431.44	5.70	14.37	425.74	1.40
MW-63	9/28/2016	AOC-5	Top of PVC	431.44	6.06	14.12	425.38	1.31
MW-63	12/22/2016	AOC-5	Top of PVC	431.44	5.45	14.25	425.99	1.43
MW-63	3/21/2017	AOC-5	Top of PVC	431.44	5.30	14.32	426.14	1.46
MW-63	6/28/2017	AOC-5	Top of PVC	431.44	5.51	14.34	425.93	1.43
MW-63	9/26/2017	AOC-5	Top of PVC	431.44	5.62	14.40	425.82	1.42
MW-63	12/19/2017	AOC-5	Top of PVC	431.44	5.44	14.41	426.00	1.45
MW-63	4/3/2018	AOC-5	Top of PVC	431.44	5.28	14.40	426.16	1.48
MW-63	6/15/2018	AOC-5	Top of PVC	431.44	5.59	14.40	425.85	1.43
MW-63	9/24/2018	AOC-5	Top of PVC	431.44	5.72	14.40	425.72	1.41
MW-63	12/19/2018	AOC-5	Top of PVC	431.44	5.32	14.40	426.12	1.47
MW-63	3/27/2019	AOC-5	Top of PVC	431.44	5.50	14.40	425.94	1.44
MW-63	6/27/2019	AOC-5	Top of PVC	431.44	5.37	14.40	426.07	1.46
MW-63	9/24/2019	AOC-5	Top of PVC	431.44	5.64	14.40	425.80	1.42
MW-63	12/19/2019	AOC-5	Top of PVC	431.44	5.38	14.40	426.06	1.46
MW-63	3/24/2020	AOC-5	Top of PVC	431.44	5.44	14.40	426.00	1.45
MW-63	6/23/2020	AOC-5	Top of PVC	431.44	5.77	14.40	425.67	1.40
MW-63	9/22/2020	AOC-5	Top of PVC	431.44	5.77	14.42	425.67	1.40
MW-63	12/15/2020	AOC-5	Top of PVC	431.44	5.85	14.42	425.59	1.39
MW-63	3/30/2021	AOC-5	Top of PVC	431.44	5.50	14.42	425.94	1.45
MW-63	6/29/2021	AOC-5	Top of PVC	431.44	5.90	14.42	425.54	1.38
MW-63	9/28/2021	AOC-5	Top of PVC	431.44	5.82	14.40	425.62	1.39
MW-63	12/21/2021	AOC-5	Top of PVC	431.44	5.68	14.40	425.76	1.41



Table 1
Summary of Groundwater Elevations

Garlock Sealing Technologies
Site No. 3 BCP Site
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Groundwater Elevations and Volumes								
Monitoring Well I.D.	Date	AOC	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Volume (gal)
MW0610-4	9/22/2014	Carbon Tet Area	Top of PVC	432.39	4.95	15.50	427.44	1.71
MW0610-4	12/5/2014	Carbon Tet Area	Top of PVC	432.39	5.68	15.50	426.71	1.59
MW0610-4	3/23/2015	Carbon Tet Area	Top of PVC	432.39	4.25	15.50	428.14	1.82
MW0610-4	6/29/2015	Carbon Tet Area	Top of PVC	432.39	5.40	15.50	426.99	1.64
MW0610-4	9/24/2015	Carbon Tet Area	Top of PVC	432.39	4.50	15.50	427.89	1.78
MW0610-4	12/21/2015	Carbon Tet Area	Top of PVC	432.39	5.30	15.50	427.09	1.65
MW0610-4	3/24/2016	Carbon Tet Area	Top of PVC	432.39	4.89	15.50	427.50	1.72
MW0610-4	6/22/2016	Carbon Tet Area	Top of PVC	432.39	5.30	15.49	427.09	1.65
MW0610-4	9/28/2016	Carbon Tet Area	Top of PVC	432.39	5.69	15.29	426.70	1.56
MW0610-4	12/22/2016	Carbon Tet Area	Top of PVC	432.39	4.90	15.18	427.49	1.67
MW0610-4	3/21/2017	Carbon Tet Area	Top of PVC	432.39	4.76	15.36	427.63	1.72
MW0610-4	6/28/2017	Carbon Tet Area	Top of PVC	432.39	5.28	15.56	427.11	1.67
MW0610-4	9/26/2017	Carbon Tet Area	Top of PVC	432.39	5.50	15.57	426.89	1.63
MW0610-4	12/19/2017	Carbon Tet Area	Top of PVC	432.39	5.28	15.54	427.11	1.66
MW0610-4	4/3/2018	Carbon Tet Area	Top of PVC	432.39	4.49	15.58	427.90	1.80
MW0610-4	6/15/2018	Carbon Tet Area	Top of PVC	432.39	5.40	15.58	426.99	1.65
MW0610-4	9/24/2018	Carbon Tet Area	Top of PVC	432.39	5.58	15.57	426.81	1.62
MW0610-4	12/19/2018	Carbon Tet Area	Top of PVC	432.39	4.98	15.58	427.41	1.72
MW0610-4	3/27/2019	Carbon Tet Area	Top of PVC	432.39	4.75	15.58	427.64	1.75
MW0610-4	6/27/2019	Carbon Tet Area	Top of PVC	432.39	4.74	15.58	427.65	1.76
MW0610-4	9/24/2019	Carbon Tet Area	Top of PVC	432.39	5.51	15.57	426.88	1.63
MW0610-4	12/19/2019	Carbon Tet Area	Top of PVC	432.39	4.38	15.58	428.01	1.81
MW0610-4	3/24/2020	Carbon Tet Area	Top of PVC	432.39	4.81	15.58	427.58	1.74
MW0610-4	6/23/2020	Carbon Tet Area	Top of PVC	432.39	5.55	15.58	426.84	1.62
MW0610-4	9/22/2020	Carbon Tet Area	Top of PVC	432.39	5.81	15.55	426.58	1.58
MW0610-4	12/15/2020	Carbon Tet Area	Top of PVC	432.39	5.38	15.55	427.01	1.65
MW0610-4	3/30/2021	Carbon Tet Area	Top of PVC	432.39	5.00	15.55	427.39	1.71
MW0610-4	6/29/2021	Carbon Tet Area	Top of PVC	432.39	5.37	15.55	427.02	1.65
MW0610-4	9/28/2021	Carbon Tet Area	Top of PVC	432.39	5.29	15.57	427.10	1.67
MW0610-4	12/21/2021	Carbon Tet Area	Top of PVC	432.39	5.10	15.57	427.29	1.70
MW0610-5	9/22/2014	Carbon Tet Area	Top of PVC	431.53	4.08	15.35	427.45	1.83
MW0610-5	12/5/2014	Carbon Tet Area	Top of PVC	431.53	4.79	15.35	426.74	1.71
MW0610-5	3/23/2015	Carbon Tet Area	Top of PVC	431.53	3.30	15.35	428.23	1.95
MW0610-5	6/29/2015	Carbon Tet Area	Top of PVC	431.53	3.62	15.35	427.91	1.90
MW0610-5	9/24/2015	Carbon Tet Area	Top of PVC	431.53	4.67	15.35	426.86	1.73
MW0610-5	12/21/2015	Carbon Tet Area	Top of PVC	431.53	4.42	15.52	427.11	1.80
MW0610-5	3/24/2016	Carbon Tet Area	Top of PVC	431.53	3.98	15.48	427.55	1.86
MW0610-5	6/22/2016	Carbon Tet Area	Top of PVC	431.53	4.30	15.50	427.23	1.81
MW0610-5	9/28/2016	Carbon Tet Area	Top of PVC	431.53	4.80	15.30	426.73	1.70
MW0610-5	12/22/2016	Carbon Tet Area	Top of PVC	431.53	4.00	15.34	427.53	1.84
MW0610-5	3/21/2017	Carbon Tet Area	Top of PVC	431.53	3.90	15.49	427.63	1.88
MW0610-5	6/28/2017	Carbon Tet Area	Top of PVC	431.53	4.45	15.60	427.08	1.81
MW0610-5	9/26/2017	Carbon Tet Area	Top of PVC	431.53	4.73	15.60	426.80	1.76
MW0610-5	12/19/2017	Carbon Tet Area	Top of PVC	431.53	4.48	15.66	427.05	1.81
MW0610-5	4/3/2018	Carbon Tet Area	Top of PVC	431.53	3.62	15.64	427.91	1.95
MW0610-5	6/15/2018	Carbon Tet Area	Top of PVC	431.53	4.56	15.64	426.97	1.79
MW0610-5	9/24/2018	Carbon Tet Area	Top of PVC	431.53	4.73	15.60	426.80	1.76
MW0610-5	12/19/2018	Carbon Tet Area	Top of PVC	431.53	4.08	15.64	427.45	1.87
MW0610-5	3/27/2019	Carbon Tet Area	Top of PVC	431.53	3.83	15.64	427.70	1.91
MW0610-5	6/27/2019	Carbon Tet Area	Top of PVC	431.53	3.84	15.64	427.69	1.91
MW0610-5	9/24/2019	Carbon Tet Area	Top of PVC	431.53	4.62	15.60	426.91	1.78
MW0610-5	12/19/2019	Carbon Tet Area	Top of PVC	431.53	3.62	15.64	427.91	1.95
MW0610-5	3/24/2020	Carbon Tet Area	Top of PVC	431.53	3.55	15.64	427.98	1.96
MW0610-5	6/23/2020	Carbon Tet Area	Top of PVC	431.53	4.68	15.64	426.85	1.78
MW0610-5	9/22/2020	Carbon Tet Area	Top of PVC	431.53	4.99	15.60	426.54	1.72
MW0610-5	12/15/2020	Carbon Tet Area	Top of PVC	431.53	4.49	15.60	427.04	1.80
MW0610-5	3/30/2021	Carbon Tet Area	Top of PVC	431.53	4.15	15.60	427.38	1.85
MW0610-5	6/29/2021	Carbon Tet Area	Top of PVC	431.53	4.48	15.60	427.05	1.80
MW0610-5	9/28/2021	Carbon Tet Area	Top of PVC	431.53	4.43	15.59	427.10	1.81
MW0610-5	12/21/2021	Carbon Tet Area	Top of PVC	431.53	4.26	15.59	427.27	1.84



Table 1
Summary of Groundwater Elevations

Garlock Sealing Technologies
Site No. 3 BCP Site
Site #C859028

Groundwater Elevations and Volumes								
Monitoring Well I.D.	Date	AOC	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Volume (gal)
MW0811-2	9/22/2014	Carbon Tet Area	Top of PVC	435.55	8.05	13.79	427.50	0.93
MW0811-2	12/5/2014	Carbon Tet Area	Top of PVC	435.55	8.86	13.79	426.69	0.80
MW0811-2	3/23/2015	Carbon Tet Area	Top of PVC	435.55	7.40	13.79	428.15	1.04
MW0811-2	6/29/2015	Carbon Tet Area	Top of PVC	435.55	4.52	13.79	431.03	1.50
MW0811-2	9/24/2015	Carbon Tet Area	Top of PVC	435.55	8.65	13.79	426.90	0.83
MW0811-2	12/21/2015	Carbon Tet Area	Top of PVC	435.55	8.44	13.82	427.11	0.87
MW0811-2	3/24/2016	Carbon Tet Area	Top of PVC	435.55	8.10	13.84	427.45	0.93
MW0811-2	6/22/2016	Carbon Tet Area	Top of PVC	435.55	8.44	13.83	427.11	0.87
MW0811-2	9/28/2016	Carbon Tet Area	Top of PVC	435.55	8.84	13.61	426.71	0.77
MW0811-2	12/22/2016	Carbon Tet Area	Top of PVC	435.55	8.08	13.67	427.47	0.91
MW0811-2	3/21/2017	Carbon Tet Area	Top of PVC	435.55	7.97	13.77	427.58	0.94
MW0811-2	6/28/2017	Carbon Tet Area	Top of PVC	435.55	8.43	14.90	427.12	1.05
MW0811-2	9/26/2017	Carbon Tet Area	Top of PVC	435.55	8.71	13.88	426.84	0.84
MW0811-2	12/19/2017	Carbon Tet Area	Top of PVC	435.55	8.48	13.90	427.07	0.88
MW0811-2	4/3/2018	Carbon Tet Area	Top of PVC	435.55	7.72	13.88	427.83	1.00
MW0811-2	6/15/2018	Carbon Tet Area	Top of PVC	435.55	8.62	13.88	426.93	0.85
MW0811-2	9/24/2018	Carbon Tet Area	Top of PVC	435.55	8.74	13.88	426.81	0.83
MW0811-2	12/19/2018	Carbon Tet Area	Top of PVC	435.55	8.13	13.88	427.42	0.93
MW0811-2	3/27/2019	Carbon Tet Area	Top of PVC	435.55	7.92	13.88	427.63	0.97
MW0811-2	6/27/2019	Carbon Tet Area	Top of PVC	435.55	7.90	13.88	427.65	0.97
MW0811-2	9/24/2019	Carbon Tet Area	Top of PVC	435.55	8.71	13.88	426.84	0.84
MW0811-2	12/19/2019	Carbon Tet Area	Top of PVC	435.55	7.68	13.88	427.87	1.00
MW0811-2	3/24/2020	Carbon Tet Area	Top of PVC	435.55	8.18	13.88	427.37	0.92
MW0811-2	6/23/2020	Carbon Tet Area	Top of PVC	435.55	8.76	13.88	426.79	0.83
MW0811-2	9/22/2020	Carbon Tet Area	Top of PVC	435.55	8.93	13.91	426.62	0.81
MW0811-2	12/15/2020	Carbon Tet Area	Top of PVC	435.55	8.48	11.15	427.07	0.43
MW0811-2	3/30/2021	Carbon Tet Area	Top of PVC	435.55	8.17	13.91	427.38	0.93
MW0811-2	6/29/2021	Carbon Tet Area	Top of PVC	435.55	8.58	13.91	426.97	0.86
MW0811-2	9/28/2021	Carbon Tet Area	Top of PVC	435.55	8.46	13.86	427.09	0.87
MW0811-2	12/21/2021	Carbon Tet Area	Top of PVC	435.55	8.23	13.86	427.32	0.91



Table 1
Summary of Groundwater Elevations

Garlock Sealing Technologies
Site No. 3 BCP Site
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Groundwater Elevations and Volumes								
Monitoring Well I.D.	Date	AOC	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Volume (gal)
IW-1	9/22/2014	Toluene Area	Top of PVC	431.34	3.22	14.75	428.12	1.87
IW-1	12/5/2014	Toluene Area	Top of PVC	431.34	3.23	14.75	428.11	1.87
IW-1	3/23/2015	Toluene Area	Top of PVC	431.34	2.55	14.75	428.79	1.98
IW-1	6/29/2015	Toluene Area	Top of PVC	431.34	2.48	14.75	428.86	1.99
IW-1	9/24/2015	Toluene Area	Top of PVC	431.34	3.63	14.75	427.71	1.80
IW-1	12/21/2015	Toluene Area	Top of PVC	431.34	3.32	14.82	428.02	1.86
IW-1	3/24/2016	Toluene Area	Top of PVC	431.34	3.23	14.85	428.11	1.88
IW-1	6/22/2016	Toluene Area	Top of PVC	431.34	3.39	14.98	427.95	1.88
IW-1	9/28/2016	Toluene Area	Top of PVC	431.34	3.58	14.72	427.76	1.80
IW-1	12/22/2016	Toluene Area	Top of PVC	431.34	3.95	15.06	427.39	1.80
IW-1	3/21/2017	Toluene Area	Top of PVC	431.34	2.17	15.00	429.17	2.08
IW-1	6/28/2017	Toluene Area	Top of PVC	431.34	3.34	15.00	428.00	1.89
IW-1	9/26/2017	Toluene Area	Top of PVC	431.34	3.74	15.26	427.60	1.87
IW-1	12/19/2017	Toluene Area	Top of PVC	431.34	2.96	15.21	428.38	1.98
IW-1	4/3/2018	Toluene Area	Top of PVC	431.34	2.93	15.28	428.41	2.00
IW-1	6/15/2018	Toluene Area	Top of PVC	431.34	3.59	15.28	427.75	1.89
IW-1	9/24/2018	Toluene Area	Top of PVC	431.34	3.63	15.26	427.71	1.88
IW-1	12/19/2018	Toluene Area	Top of PVC	431.34	3.18	15.28	428.16	1.96
IW-1	3/27/2019	Toluene Area	Top of PVC	431.34	3.33	15.28	428.01	1.94
IW-1	6/27/2019	Toluene Area	Top of PVC	431.34	3.07	15.28	428.27	1.98
IW-1	9/24/2019	Toluene Area	Top of PVC	431.34	3.51	15.26	427.83	1.90
IW-1	12/19/2019	Toluene Area	Top of PVC	431.34	2.67	15.28	428.67	2.04
IW-1	3/24/2020	Toluene Area	Top of PVC	431.34	3.25	15.28	428.09	1.95
IW-1	6/23/2020	Toluene Area	Top of PVC	431.34	3.58	15.28	427.76	1.90
IW-1	9/22/2020	Toluene Area	Top of PVC	431.34	4.09	15.30	427.25	1.82
IW-1	12/15/2020	Toluene Area	Top of PVC	431.34	3.58	15.30	427.76	1.90
IW-1	3/30/2021	Toluene Area	Top of PVC	431.34	3.26	NM	428.08	NM
IW-1	6/29/2021	Toluene Area	Top of PVC	431.34	3.54	15.30	427.80	1.91
IW-1	9/28/2021	Toluene Area	Top of PVC	431.34	3.37	15.26	427.97	1.93
IW-1	12/21/2021	Toluene Area	Top of PVC	431.34	3.19	15.26	428.15	1.96
IW-2	9/22/2014	Toluene Area	Top of PVC	431.40	3.60	13.15	427.80	1.55
IW-2	12/5/2014	Toluene Area	Top of PVC	431.40	3.69	13.15	427.71	1.53
IW-2	3/23/2015	Toluene Area	Top of PVC	431.40	2.72	13.15	428.68	1.69
IW-2	6/29/2015	Toluene Area	Top of PVC	431.40	2.68	13.15	428.72	1.70
IW-2	9/24/2015	Toluene Area	Top of PVC	431.40	3.65	13.15	427.75	1.54
IW-2	12/21/2015	Toluene Area	Top of PVC	431.40	3.40	15.15	428.00	1.90
IW-2	3/24/2016	Toluene Area	Top of PVC	431.40	3.25	15.15	428.15	1.93
IW-2	6/22/2016	Toluene Area	Top of PVC	431.40	3.55	15.25	427.85	1.90
IW-2	9/28/2016	Toluene Area	Top of PVC	431.40	3.81	15.00	427.59	1.81
IW-2	12/22/2016	Toluene Area	Top of PVC	431.40	2.67	14.83	428.73	1.97
IW-2	3/21/2017	Toluene Area	Top of PVC	431.40	2.64	15.18	428.76	2.03
IW-2	6/28/2017	Toluene Area	Top of PVC	431.40	3.52	15.28	427.88	1.91
IW-2	9/26/2017	Toluene Area	Top of PVC	431.40	3.69	15.26	427.71	1.87
IW-2	12/19/2017	Toluene Area	Top of PVC	431.40	3.18	15.26	428.22	1.96
IW-2	4/3/2018	Toluene Area	Top of PVC	431.40	2.98	15.26	428.42	1.99
IW-2	6/15/2018	Toluene Area	Top of PVC	431.40	3.62	15.26	427.78	1.89
IW-2	9/24/2018	Toluene Area	Top of PVC	431.40	3.69	15.26	427.71	1.87
IW-2	12/19/2018	Toluene Area	Top of PVC	431.40	3.18	15.26	428.22	1.96
IW-2	3/27/2019	Toluene Area	Top of PVC	431.40	3.52	15.26	427.88	1.90
IW-2	6/27/2019	Toluene Area	Top of PVC	431.40	3.33	15.26	428.07	1.93
IW-2	9/24/2019	Toluene Area	Top of PVC	431.40	3.69	3.69	427.71	0.00
IW-2	12/19/2019	Toluene Area	Top of PVC	431.40	2.98	15.26	428.42	1.99
IW-2	3/24/2020	Toluene Area	Top of PVC	431.40	3.23	15.26	428.17	1.95
IW-2	6/23/2020	Toluene Area	Top of PVC	431.40	3.83	15.26	427.57	1.85
IW-2	9/22/2020	Toluene Area	Top of PVC	431.40	3.86	15.30	427.54	1.85
IW-2	12/15/2020	Toluene Area	Top of PVC	431.40	3.48	15.30	427.92	1.91
IW-2	3/30/2021	Toluene Area	Top of PVC	431.40	3.26	15.30	428.14	1.95
IW-2	6/29/2021	Toluene Area	Top of PVC	431.40	3.97	15.30	427.43	1.84
IW-2	9/28/2021	Toluene Area	Top of PVC	431.40	3.36	15.26	428.04	1.93
IW-2	12/21/2021	Toluene Area	Top of PVC	431.40	3.17	15.26	428.23	1.96

Groundwater Field Parameters



Table 2
Summary of Groundwater Field Parameters

Garlock Sealing Technologies
Site No. 3 Site
BCP Site #C859028

Well ID	Date Sampled	Monitoring Zone	Diss. Oxygen	Electrical Conductivity	pH	Redox	Temp	Turbidity
			mg/L	mS/cm	pH Units	mV	°C	NTU
OW-01 (MW-26)	9/23/2014	AOC-1	1.59	6.36	7.19	-86.1	16.7	3.64
OW-2	9/23/2014	AOC-1	2.07	5.54	7.09	-102	18.7	16.2
OW-2	9/24/2015	AOC-1	2.9	2.514	7.43	-91.7	25.45	17.5
OW-2	9/28/2016	AOC-1	6.99	6.731	7.15	-116	23.59	355.8
OW-2	9/26/2017	AOC-1	4.35	9.37	7.49	-161	24.2	749
OW-2	9/24/2018	AOC-1	0	10.7	6.73	-137	19.46	557
OW-2	9/24/2019	AOC-1	5.56	7.86	6.87	-124	19.89	> 1,000
OW-2	9/22/2020	AOC-1	2.52	11.9	7.36	-181	21	> 1,000
OW-3	9/23/2014	AOC-1	2.16	3.81	7.16	-35.8	15.9	2.38
OW-3	9/24/2015	AOC-1	0.77	3.49	6.96	-100.3	20.79	4
OW-3	9/28/2016	AOC-1	7.58	3.543	7.3	-184.5	21.31	30.8
OW-3	9/26/2017	AOC-1	3.16	3.7	7.85	-93	20.77	151
OW-3	9/24/2018	AOC-1	0.08	4.32	6.94	-209	17.2	161
OW-3	9/24/2019	AOC-1	5.35	4.84	7.01	-110	18.21	101
OW-3	9/22/2020	AOC-1	2.66	4.24	7.56	-247	19	86.1
OW-3	9/28/2021	AOC-1	6.87	3.82	7.01	-181	17.9	68.8
OW-4	9/23/2014	AOC-1	2	5.39	7.17	-89.5	17.4	4.67
OW-4	9/24/2015	AOC-1	0.01	4.933	7.19	-120.4	22.17	22.1
OW-4	9/28/2016	AOC-1	1.67	5.358	7.06	-165.5	22.98	9.8
OW-4	9/26/2017	AOC-1	4.64	5.29	7.88	-186	21.53	164
OW-4	9/24/2018	AOC-1	0	6.79	6.86	-234	16.33	38.7
OW-4	9/24/2019	AOC-1	5.75	6.22	6.94	-200	17.52	19.1
OW-4	9/22/2020	AOC-1	1.93	6.8	7.54	-277	19	38.1
OW-4	9/28/2021	AOC-1	6.98	5.6	7.01	-196.7	17.6	48.4
OW-06 (MW-3)	9/23/2014	AOC-1	2.99	3.95	7.06	-279.5	16.4	43.2
OW-06 (MW-3)	9/24/2015	AOC-1	-6.57	3.066	7.07	-203.7	18.56	19
OW-06 (MW-3)	9/28/2016	AOC-1	6.43	2.689	7.25	-199.3	18.62	69.3
OW-06 (MW-3)	9/26/2017	AOC-1	6.08	7.08	7.88	-117	17.7	1,000
OW-06 (MW-3)	9/24/2018	AOC-1	0.43	3.24	7.12	-134	15.99	143
OW-6 (MW-3)	9/24/2019	AOC-1	7.01	6.67	6.95	-110	16.06	47.8
OW-6 (MW-3)	9/22/2020	AOC-1	2.45	12.7	7.6	-294	16.8	130
OW-6 (MW-3)	9/28/2021	AOC-1	2.53	14.38	7.11	-127.2	15.9	78.7
OW-07 (MW-27)	9/23/2014	AOC-1	2.95	7.85	8.7	-131.3	17.4	16.9
OW-07 (MW-27)	9/24/2015	AOC-1	1.29	6.281	7.72	-208.6	19.44	6.7
OW-07 (MW-27)	9/28/2016	AOC-1	4	5.362	7.45	-168.6	18.71	8.6
OW-07 (MW-27)	9/26/2017	AOC-1	5.85	6.99	7.64	-87	22.13	452
OW-07 (MW-27)	9/24/2018	AOC-1	0	8.6	7.35	-134	16.63	19.7
OW-7 (MW-27)	9/24/2019	AOC-1	4.84	13	7.36	-125	16.56	12.6
OW-7 (MW-27)	9/22/2020	AOC-1	1.98	9.79	8.16	-204	18.3	33.8
OW-7 (MW-27)	9/28/2021	AOC-1	2.98	12.95	7.02	-117.1	16.8	39.5
PTOW1-1	9/24/2015	AOC-1	1.63	2.297	7.13	-129.1	19.02	395.7
PTOW1-1	9/26/2017	AOC-1	6.7	5.86	8.1	-104	25.1	1,000
PTOW1-1	9/24/2018	AOC-1	0	8.48	6.8	-79	17.83	1,000
PTOW1-1	9/24/2019	AOC-1	8.4	21.6	6.75	-83	18.62	> 1,000
PTOW1-1	9/22/2020	AOC-1	3.22	20.5	7.58	-151	18.6	> 1,000
PTOW1-1	9/28/2021	AOC-1	3.72	3.96	6.9	-16.5	18.5	>1,000
PTOW1-4	9/23/2014	AOC-1	3.25	0.84	7.87	56.3	18.3	101.2



Table 2
Summary of Groundwater Field Parameters

Garlock Sealing Technologies
Site No. 3 Site
BCP Site #C859028

Well ID	Date Sampled	Monitoring Zone	Diss. Oxygen	Electrical Conductivity	pH	Redox	Temp	Turbidity
			mg/L	mS/cm	pH Units	mV	°C	NTU
OW-1	9/22/2014	AOC-2	2.4	4.43	7.86	17	14	16.5
OW-1	12/4/2014	AOC-2	3.27	2.919	7.62	-87.5	10.44	17.3
OW-1	3/23/2015	AOC-2	7.9	1.523	3.2	-31.5	4.11	18.7
OW-1	6/29/2015	AOC-2	3.42	2.467	7.49	-92.4	14.8	11.3
OW-1	9/24/2015	AOC-2	2.07	2.849	7.66	-88.4	13.77	17.6
OW-1	12/21/2015	AOC-2	4.07	3.16	7.66	-129.1	10.9	6.5
OW-1	3/24/2016	AOC-2	4.47	2.988	7.56	-89.8	8	12.2
OW-1	6/22/2016	AOC-2	2.03	2.651	7.32	-42.8	11.49	51.6
OW-1	9/28/2016	AOC-2	5.1	2.219	7.54	-61.2	14.25	42.4
OW-1	12/22/2016	AOC-2	5.4	1.727	7.58	-150.5	11.49	72.3
OW-1	3/21/2017	AOC-2	5.85	2.52	7.45	-62.6	8	41.9
OW-1	6/28/2017	AOC-2	2.95	2.51	7.38	-108.6	12.4	75.1
OW-1	9/26/2017	AOC-2	7.76	2.68	7.72	-59	19.4	734
OW-1	12/19/2017	AOC-2	7.56	2.42	7.21	-104	11.7	1,000
OW-1	4/3/2018	AOC-2	6.73	2.73	7.8	-6.7	8.8	123
OW-1	9/24/2018	AOC-2	1.45	2.84	7.52	-31	13.87	1,000
OW-1	12/19/2018	AOC-2	6.16	2.44	6.62	-176	10.89	737
OW-1	3/27/2019	AOC-2	7.96	2.27	7.07	-38	7.68	204
OW-1	6/27/2019	AOC-2	0	2.8	8.35	-138	12.6	352
OW-1	9/24/2019	AOC-2	6.46	2.78	7.09	-90	14.38	324
OW-1	12/19/2019	AOC-2	10.13	2.56	7.78	12	8.2	659
OW-1	3/24/2020	AOC-2	1.11	2.53	7.47	-45	10.87	216
OW-1	6/23/2020	AOC-2	8.3	2.48	7.23	-142	13.61	374
OW-1	9/22/2020	AOC-2	4.8	3.15	7.97	-83	16.1	428
OW-1	12/15/2020	AOC-2	5.69	2.65	7.95	-113	11.14	691
OW-1	3/30/2021	AOC-2	6.55	2.82	7.92	-191	5.4	579
OW-1	6/29/2021	AOC-2	4.17	2.31	7.42	-111.3	14.3	633
OW-1	9/28/2021	AOC-2	3.55	2.36	7.03	5.5	15.1	>1,000
OW-1	12/21/2021	AOC-2	3.02	2.2	7.82	-34.1	11.5	>1,000
OW-2 (MW-41)	9/23/2014	AOC-2	5.72	4.12	7.17	-138.3	15.2	3.55
OW-2 (MW-41)	12/4/2014	AOC-2	1.95	3.114	6.88	-180.9	10.69	6.8
OW-2 (MW-41)	3/23/2015	AOC-2	3.4	1.38	3.23	-42.2	2.99	53.5
OW-2 (MW-41)	6/29/2015	AOC-2	3.36	2.004	7.3	-33.9	16.97	27.1
OW-2 (MW-41)	9/24/2015	AOC-2	3.19	2.163	7.18	-115.9	13.42	9
OW-2 (MW-41)	12/21/2015	AOC-2	5.02	3.896	7.15	-152.3	11.6	24.2
OW-2 (MW-41)	3/24/2016	AOC-2	4.52	3.782	7.13	-177	7.3	17.4
OW-2 (MW-41)	6/22/2016	AOC-2	3.28	2.633	7	-62.3	10.72	29.5
OW-2 (MW-41)	9/28/2016	AOC-2	2.35	2.628	7.06	-111.3	13.68	13.1
OW-2 (MW-41)	12/22/2016	AOC-2	3.46	2.388	7.08	-182.4	10.3	105
OW-2 (MW-41)	3/21/2017	AOC-2	7.13	3.12	7.18	-78.8	6.9	12.7
OW-2 (MW-41)	6/28/2017	AOC-2	2.57	3.46	7.05	-175.2	14.2	22.4
OW-2 (MW-41)	9/26/2017	AOC-2	6.12	4.02	7.99	-146	18.2	451
OW-2 (MW-41)	12/19/2017	AOC-2	9.28	3.52	7.22	-188	11.1	700
OW-2 (MW-41)	4/3/2018	AOC-2	5.03	2.98	7.26	-92	6.7	106
OW-2 (MW-41)	9/24/2018	AOC-2	1.35	3.77	6.89	-163	14.27	166
OW-2 (MW-41)	12/19/2018	AOC-2	7.48	3.48	6.76	-198	8.62	221
OW-2 (MW-41)	3/27/2019	AOC-2	8.56	3.51	6.67	-187	7.08	738
OW-2 (MW-41)	6/27/2019	AOC-2	1.22	4.02	7.91	-220	12.4	512
OW-2 (MW-41)	9/24/2019	AOC-2	7.21	4.12	7.09	-164	15.06	257
OW-2 (MW-41)	12/19/2019	AOC-2	8.39	3.36	7.34	-176	8.63	> 1,000
OW-2 (MW-41)	3/24/2020	AOC-2	2.63	3.49	7.01	-177	8.58	422
OW-2 (MW-41)	6/23/2020	AOC-2	7.56	3.4	7.4	-186	15.33	452
OW-2 (MW-41)	9/22/2020	AOC-2	3.05	4.11	7.87	-205	16.8	498
OW-2 (MW-41)	12/15/2020	AOC-2	6.67	3.39	7.42	-187	10.96	540
OW-2 (MW-41)	3/30/2021	AOC-2	4.9	3.73	7.7	-212	3.8	506
OW-2 (MW-41)	6/29/2021	AOC-2	4.31	3.32	7.12	-270.4	13.3	718
OW-2 (MW-41)	9/28/2021	AOC-2	6.65	3.22	7.12	-187.7	15.2	408
OW-2 (MW-41)	12/21/2021	AOC-2	2.83	2.98	7.9	-107.2	11.4	>1,000



Table 2
Summary of Groundwater Field Parameters

Garlock Sealing Technologies
Site No. 3 Site
BCP Site #C859028

Well ID	Date Sampled	Monitoring Zone	Diss. Oxygen	Electrical Conductivity	pH	Redox	Temp	Turbidity
			mg/L	mS/cm	pH Units	mV	°C	NTU
OW-3 (AOC-2)	9/23/2014	AOC-2	5.78	10.69	7.62	-233.1	14.2	14.6
OW-3 (AOC-2)	12/4/2014	AOC-2	1.42	7.455	7.48	-239.1	10.86	28.7
OW-3 (AOC-2)	3/23/2015	AOC-2	1.98	4.943	3.02	-94.5	7.14	30
OW-3 (AOC-2)	6/29/2015	AOC-2	0.28	5.105	7.22	-230.4	12.11	15.1
OW-3 (AOC-2)	9/24/2015	AOC-2	4.82	6.239	7.67	-154.4	14.16	17.4
OW-3 (AOC-2)	12/21/2015	AOC-2	29.4	7.896	7.64	-217.6	11.3	22
OW-3 (AOC-2)	3/24/2016	AOC-2	2.75	6.849	7.45	-220.2	7.9	9.1
OW-3 (AOC-2)	6/22/2016	AOC-2	1.7	5.092	7.35	90.4	11.01	6.4
OW-3 (AOC-2)	9/28/2016	AOC-2	2.25	5.198	7.7	-162.1	13.6	41.3
OW-3 (AOC-2)	12/22/2016	AOC-2	5.74	3.79	7.5	-207.7	10.72	48.5
OW-3 (AOC-2)	3/21/2017	AOC-2	2.57	5.892	7.17	-185.2	8.7	18.3
OW-3 (AOC-2)	6/28/2017	AOC-2	2.72	5.8	7.18	-189.4	15.7	29.8
OW-3 (AOC-2)	9/26/2017	AOC-2	6.96	5.92	7.9	-182	20.07	1,000
OW-3 (AOC-2)	12/19/2017	AOC-2	8.66	5.39	7.2	-226	11.1	100
OW-3 (AOC-2)	4/4/2018	AOC-2	8.63	5.57	7.27	-	7.9	68.5
OW-3 (AOC-2)	9/24/2018	AOC-2	0.59	5.23	7	-219	14.68	34.2
OW-3 (AOC-2)	12/19/2018	AOC-2	7.33	5.12	6.48	-201	8.81	97.6
OW-3 (AOC-2)	3/27/2019	AOC-2	8.54	4.68	6.63	-209	7.44	138
OW-3 (AOC-2)	6/27/2019	AOC-2	11.62	5	8.21	-223	13.6	491
OW-3 (AOC-2)	9/24/2019	AOC-2	6.22	4.98	7.19	-170	14.3	76.2
OW-3 (AOC-2)	12/19/2019	AOC-2	8.8	5.09	7.41	-170	9.5	178
OW-3 (AOC-2)	3/24/2020	AOC-2	2.39	4.39	7	-200	9.03	150
OW-3 (AOC-2)	6/23/2020	AOC-2	7.62	4.13	7.19	-186	14.72	123
OW-3 (AOC-2)	9/22/2020	AOC-2	4.23	5.11	8.09	-259	17.1	121
OW-3 (AOC-2)	12/15/2020	AOC-2	5.66	4.4	7.64	-213	10.5	89.6
OW-3 (AOC-2)	3/30/2021	AOC-2	2.51	4.57	7.91	-234	5.8	91.5
OW-3 (AOC-2)	6/29/2021	AOC-2	2.65	3.93	7.28	-279.6	13.2	205
OW-3 (AOC-2)	9/28/2021	AOC-2	6.87	4.01	7.13	-182.8	14.2	85.9
OW-3 (AOC-2)	12/21/2021	AOC-2	2.67	3.65	7.95	-111	11.4	67.8
OW-4 (MW-28)	9/23/2014	AOC-2	7.39	7.18	8.12	472.4	14	5.05
OW-4 (MW-28)	12/4/2014	AOC-2	2.02	4.737	8.1	510.5	10.06	23
OW-4 (MW-28)	3/23/2015	AOC-2	3.03	3.263	3.38	500.5	6.92	70.1
OW-4 (MW-28)	6/29/2015	AOC-2	3.5	1.655	7.72	452.8	13.56	54.1
OW-4 (MW-28)	9/24/2015	AOC-2	1.99	3.184	7.77	369.6	13.95	62.4
OW-4 (MW-28)	12/21/2015	AOC-2	4.04	4.754	7.64	498.4	11	29.1
OW-4 (MW-28)	3/24/2016	AOC-2	34.5	4.349	7.93	524.5	6.7	37.4
OW-4 (MW-28)	6/22/2016	AOC-2	2.28	2.952	7.4	457.4	12.4	49.8
OW-4 (MW-28)	9/28/2016	AOC-2	5.92	2.861	7.79	175.2	14.12	55.6
OW-4 (MW-28)	12/22/2016	AOC-2	7.68	2.434	7.76	-117.1	10.65	85.3
OW-4 (MW-28)	3/21/2017	AOC-2	3.11	3.714	7.36	449.8	9	121.8
OW-4 (MW-28)	6/28/2017	AOC-2	2.29	3.57	7.29	-10.9	17	38.1
OW-4 (MW-28)	9/26/2017	AOC-2	6.06	3.37	7.54	55	18.92	986
OW-4 (MW-28)	12/19/2017	AOC-2	7.75	3.58	7.09	-105	11.3	0
OW-4 (MW-28)	4/3/2018	AOC-2	8.65	3.81	7.48	78	8.4	280
OW-4 (MW-28)	9/24/2018	AOC-2	0.05	3.74	7.29	44	13.8	132
OW-4 (MW-28)	12/19/2018	AOC-2	7.34	3.56	6.65	-163	10.31	626
OW-4 (MW-28)	3/27/2019	AOC-2	7.75	3.40	6.84	1	7.64	891
OW-4 (MW-28)	6/27/2019	AOC-2	11.82	4.05	8.15	-30	13.7	769
OW-4 (MW-28)	9/24/2019	AOC-2	7.24	3.81	7.1	-112	14.1	123
OW-4 (MW-28)	12/19/2019	AOC-2	7.71	3.88	7.63	5	10.5	380
OW-4 (MW-28)	3/24/2020	AOC-2	0	3.96	7.27	14	8.94	85.4
OW-4 (MW-28)	6/23/2020	AOC-2	5.93	3.89	7.32	-34	14.29	296
OW-4 (MW-28)	9/22/2020	AOC-2	3.42	4.38	7.93	-63	16.8	> 1,000
OW-4 (MW-28)	12/15/2020	AOC-2	6.25	3.67	7.66	-123	10.71	487
OW-4 (MW-28)	3/30/2021	AOC-2	4.5	4.15	7.84	-143	4.2	119
OW-4 (MW-28)	6/29/2021	AOC-2	2.19	3.72	7.09	-141.7	13.1	294
OW-4 (MW-28)	9/28/2021	AOC-2	4.01	3.72	6.99	-14.4	14.2	164
OW-4 (MW-28)	12/21/2021	AOC-2	2.01	3.68	7.75	-96.3	11.4	161



Table 2
Summary of Groundwater Field Parameters

Garlock Sealing Technologies
Site No. 3 Site
BCP Site #C859028

Well ID	Date Sampled	Monitoring Zone	Diss. Oxygen	Electrical Conductivity	pH	Redox	Temp	Turbidity
			mg/L	mS/cm	pH Units	mV	°C	NTU
OW-5	9/23/2014	AOC-2	4.5	3.62	7.48	-59	15.4	13.3
OW-5	12/4/2014	AOC-2	1.8	2.569	7.38	273.9	10.16	114.6
OW-5	3/23/2015	AOC-2	3.06	2.271	3.04	176.1	7.43	30.3
OW-5	6/29/2015	AOC-2	2.31	2.351	7.19	20.1	11.74	18.7
OW-5	9/24/2015	AOC-2	3.25	2.449	7.51	110.8	14.26	89.6
OW-5	12/21/2015	AOC-2	2.62	3.197	7.06	240.8	11.6	408
OW-5	3/24/2016	AOC-2	2.6	3.415	7.31	283.2	8.5	100.4
OW-5	6/22/2016	AOC-2	3.16	2.406	7.46	71.1	10.88	31.6
OW-5	9/28/2016	AOC-2	5.74	2.41	7.44	89.4	13.52	141.9
OW-5	12/22/2016	AOC-2	6.5	2.226	7.38	-88.1	11.38	139.6
OW-5	3/21/2017	AOC-2	3.98	3.617	7.31	-95.5	9.1	1,451
OW-5	6/28/2017	AOC-2	1.79	3.58	7.23	-76.1	16.8	125
OW-5	9/26/2017	AOC-2	4.73	3.49	7.91	-7	19.44	1,000
OW-5	12/19/2017	AOC-2	8.97	3.47	7.67	-113	11.7	0
OW-5	4/3/2018	AOC-2	8.16	3.97	7.37	-34	8.7	360
OW-5	9/24/2018	AOC-2	0	3.75	7.02	-10	14	263
OW-5	12/19/2018	AOC-2	7.87	3.87	6.55	-99	10.16	> 1,000
OW-5	3/27/2019	AOC-2	7.23	4.11	7.16	-10	7.72	1,000
OW-5	6/27/2019	AOC-2	2.54	4.31	8.19	-167	14.2	1,000
OW-5	9/24/2019	AOC-2	7.2	4.08	6.94	-112	14.4	178
OW-5	12/19/2019	AOC-2	9.22	4.53	7.85	-2	9.18	> 1,000
OW-5	3/24/2020	AOC-2	0.79	4.48	7.11	-31	9.95	987
OW-5	6/23/2020	AOC-2	7.89	4.17	7.19	-42	15	> 1,000
OW-5	9/22/2020	AOC-2	2.58	4.85	7.8	-72	17.3	738
OW-5	12/15/2020	AOC-2	8	4.14	7.64	-87	9.3	> 1,000
OW-5	3/30/2021	AOC-2	5.4	4.77	7.71	-102	4.3	841
OW-5	6/29/2021	AOC-2	-	4.06	7.29	-118.7	14.2	1,000
OW-5	9/28/2021	AOC-2	7.15	4.39	7.05	-41.3	15.1	977
OW-5	12/21/2021	AOC-2	2.46	4.3	7.81	-94.2	11.2	849



Table 2
Summary of Groundwater Field Parameters

Garlock Sealing Technologies
Site No. 3 Site
BCP Site #C859028

Well ID	Date Sampled	Monitoring Zone	Diss. Oxygen	Electrical Conductivity	pH	Redox	Temp	Turbidity
			mg/L	mS/cm	pH Units	mV	°C	NTU
MW0512-2	9/23/2014	AOC-3	5.94	2.11	6.75	-6.3	17.4	8.33
MW0512-2	12/4/2014	AOC-3	2.56	1.768	6.77	-65	10.16	153.5
MW0512-2	3/23/2015	AOC-3	2.01	1.272	2.77	128.6	6.45	32.4
MW0512-2	6/29/2015	AOC-3	2.34	1.86	6.79	-20.4	15.41	9.8
MW0512-2	9/24/2015	AOC-3	2.53	1.088	6.93	-59.2	17.55	20.6
MW0512-2	12/21/2015	AOC-3	3.53	2.029	6.68	-43.7	11	20.6
MW0512-2	3/24/2016	AOC-3	2.45	5.641	6.82	18.1	6.7	6.8
MW0512-2	6/22/2016	AOC-3	2.22	2.007	6.74	-15.7	13.1	40.5
MW0512-2	9/28/2016	AOC-3	6.06	2.716	7.17	-57.8	15.02	109.1
MW0512-2	12/22/2016	AOC-3	8.14	2.495	7.17	-105.4	9.81	60.8
MW0512-2	3/21/2017	AOC-3	3.33	4.544	6.81	-126	8.1	19.3
MW0512-2	6/28/2017	AOC-3	2.73	4.08	6.77	-119	14.4	12.1
MW0512-2	9/26/2017	AOC-3	6.89	2.75	8.57	-107	21.17	400
MW0512-2	12/19/2017	AOC-3	8.75	5.35	6.87	-131	10.5	0
MW0512-2	4/3/2018	AOC-3	9.19	5.71	6.96	-52	10.2	31.6
MW0512-2	9/24/2018	AOC-3	0	3.7	6.46	-75	17.27	30.2
MW0512-2	12/19/2018	AOC-3	8.35	6.06	6.38	-135	8.21	187
MW0512-2	3/27/2019	AOC-3	7.50	6.50	6.88	-162	7.11	38.0
MW0512-2	6/27/2019	AOC-3	11.75	7.39	7.9	-130	16.2	99.3
MW0512-2	9/24/2019	AOC-3	5.75	4.18	6.51	-69	15.56	69.1
MW0512-2	12/19/2019	AOC-3	8.19	7.89	7.16	-98	7.67	159
MW0512-2	3/24/2020	AOC-3	0.41	8.63	6.69	-158	8.51	18
MW0512-2	6/23/2020	AOC-3	5.67	4.71	6.85	-104	15.85	222
MW0512-2	9/22/2020	AOC-3	2.85	6.89	7.14	-139	16.9	239
MW0512-2	12/15/2020	AOC-3	6.93	4.98	6.96	-106	9.12	58.8
MW0512-2	3/30/2021	AOC-3	5.93	9.93	7.49	-132	3.9	61.4
MW0512-2	6/29/2021	AOC-3	1.79	4.38	6.56	-111.2	16.1	44.4
MW0512-2	9/28/2021	AOC-3	7.74	5.47	7.34	-218	16.1	46.6
MW0512-2	12/21/2021	AOC-3	2.42	8.27	7.63	-95.2	9.7	22.3
MW0911-2	9/23/2014	AOC-3	5.95	1.92	6.89	-132	14.5	3.69
MW0911-2	12/4/2014	AOC-3	3.88	1.427	6.87	-27.1	10.32	-1.9
MW0911-2	3/23/2015	AOC-3	3.03	1.138	2.71	105.7	9.15	41
MW0911-2	6/29/2015	AOC-3	4.88	0.625	6.82	-89.7	13.33	15.5
MW0911-2	9/24/2015	AOC-3	0.97	1.578	6.98	-94.8	14.23	22.5
MW0911-2	12/21/2015	AOC-3	4.87	2.055	6.75	-107.9	11.4	12.2
MW0911-2	3/24/2016	AOC-3	4.49	1.615	6.96	-100.7	9.1	5.4
MW0911-2	6/22/2016	AOC-3	4.31	2.932	6.62	-41.6	11.05	15
MW0911-2	9/28/2016	AOC-3	5.33	2.571	6.89	-31.4	13.52	26
MW0911-2	12/22/2016	AOC-3	6.61	1.653	7.04	-165.8	10.97	51.2
MW0911-2	3/21/2017	AOC-3	5.57	3.374	7.1	-148.8	8.9	42
MW0911-2	6/28/2017	AOC-3	4.51	4.49	6.75	-177.5	13.6	7.6
MW0911-2	9/26/2017	AOC-3	4.16	3.88	7.87	-226	18.83	222
MW0911-2	12/19/2017	AOC-3	8.93	3.6	7.2	-239	11.4	1,000
MW0911-2	4/3/2018	AOC-3	9.25	4.7	7	-127	10.2	56.1
MW0911-2	9/24/2018	AOC-3	0	4.16	6.55	-86	15.24	23
MW0911-2	12/19/2018	AOC-3	7.50	2.37	6.66	-142	10.87	147
MW0911-2	3/27/2019	AOC-3	8.30	4.41	6.91	-174	9.21	25.9
MW0911-2	6/27/2019	AOC-3	2.79	6.82	7.67	-263	13.6	58.8
MW0911-2	9/24/2019	AOC-3	8.71	5.25	6.64	-118	13.73	69.1
MW0911-2	12/19/2019	AOC-3	9.13	4.4	7.12	-196	9.24	86.3
MW0911-2	3/24/2020	AOC-3	3.51	6.28	6.92	-193	9.05	42.6
MW0911-2	6/23/2020	AOC-3	7.75	6.56	6.66	-186	14.87	63.6
MW0911-2	9/22/2020	AOC-3	2.78	7.05	7.27	-138	16.5	578
MW0911-2	12/15/2020	AOC-3	8.18	5.81	7.38	-144	9.01	81
MW0911-2	3/30/2021	AOC-3	5.78	2.82	7.28	-87	5.2	76.2
MW0911-2	6/29/2021	AOC-3	5.82	6.95	6.81	-161.8	15.5	112
MW0911-2	9/28/2021	AOC-3	8.27	6.9	7.17	-150.4	14.1	55.1
MW0911-2	12/21/2021	AOC-3	2.97	6.5	7.73	-99.9	11.3	142



Table 2
Summary of Groundwater Field Parameters

Garlock Sealing Technologies
Site No. 3 Site
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Well ID	Date Sampled	Monitoring Zone	Diss. Oxygen	Electrical Conductivity	pH	Redox	Temp	Turbidity
			mg/L	mS/cm	pH Units	mV	°C	NTU
MW0512-1	9/24/2014	AOC-4	5.24	2.39	6.92	-105.9	16.8	41.5
MW0512-1	12/4/2014	AOC-4	3.58	1.962	6.73	-77.7	11.11	31.7
MW0512-1	3/23/2015	AOC-4	2.09	1.528	2.78	82.7	7.09	112.1
MW0512-1	6/29/2015	AOC-4	3.26	0.829	6.9	-72.8	14.72	38.5
MW0512-1	9/24/2015	AOC-4	3.1	1.858	6.93	-89.8	15.46	341.7
MW0512-1	12/21/2015	AOC-4	3.43	2.242	6.88	-98.8	12	99.3
MW0512-1	3/24/2016	AOC-4	3.27	1.899	7.09	-91.8	8.6	25.5
MW0512-1	6/22/2016	AOC-4	2.98	1.789	7.15	-29.7	11.95	88.9
MW0512-1	9/28/2016	AOC-4	3.47	2.127	7.07	-77.6	15.91	41.8
MW0512-1	12/22/2016	AOC-4	4.94	1.123	7.19	-129.2	10.31	165.8
MW0512-1	3/21/2017	AOC-4	5.63	1.889	6.97	-102.8	9	21.7
MW0512-1	6/28/2017	AOC-4	5.39	3.59	6.94	-160.1	13.6	46.2
MW0512-1	9/26/2017	AOC-4	5.51	2.26	8.21	-134	20.11	1,000
MW0512-1	12/19/2017	AOC-4	6.46	1.92	6.3	-67	11.8	1,000
MW0512-1	4/3/2018	AOC-4	10.48	2.31	7.26	-84	10.6	154
MW0512-1	9/24/2018	AOC-4	0	2.68	6.86	-126	16.56	730
MW0512-1	12/19/2018	AOC-4	7.84	1.78	6.62	-128	11.99	> 1,000
MW0512-1	3/27/2019	AOC-4	8.35	1.88	7.13	-136	8.18	1,000
MW0512-1	6/27/2019	AOC-4	12.04	2.04	8.22	-135	14.4	1,000
MW0512-1	9/24/2019	AOC-4	6.79	2.75	6.75	-95	14.19	69.1
MW0512-1	12/19/2019	AOC-4	8.26	1.58	7.2	-94	9.7	742
MW0512-1	3/24/2020	AOC-4	0.05	1.91	6.82	-94	9.28	> 1,000
MW0512-1	6/23/2020	AOC-4	7.83	2.62	6.85	-135	15.02	986
MW0512-1	9/22/2020	AOC-4	4.37	3.58	7.43	-148	17.1	> 1,000
MW0512-1	12/15/2020	AOC-4	7.28	2.09	7.25	-96	9.96	970
MW0512-1	3/30/2021	AOC-4	6	2.05	7.59	-117	5.1	246
MW0512-1	6/29/2021	AOC-4	5.25	2.71	7.1	-140.1	15.6	1,000
MW0512-1	9/28/2021	AOC-4	5.1	2.87	7.21	-107.9	14.5	>1,000
MW0512-1	12/21/2021	AOC-4	4.83	1.56	7.38	-70.2	10.8	>1,000
MW0911-1	9/24/2014	AOC-4	5.1	3.6	7.02	-77.3	16.5	21.3
MW0911-1	12/4/2014	AOC-4	1.94	2.543	6.68	-45.3	10.31	16.1
MW0911-1	3/23/2015	AOC-4	1.9	2.374	3.12	96.2	7.91	21.6
MW0911-1	6/29/2015	AOC-4	2.14	1.836	6.97	-83.5	14.12	7.7
MW0911-1	9/24/2015	AOC-4	1.94	3.23	6.94	-68.6	16.49	4.6
MW0911-1	12/21/2015	AOC-4	2.3	3.909	6.84	-57.7	12.6	5.1
MW0911-1	3/24/2016	AOC-4	2.41	1.875	7.14	-120.5	8.3	4.6
MW0911-1	6/22/2016	AOC-4	2.75	3.024	6.87	-26.4	11.35	43.2
MW0911-1	9/28/2016	AOC-4	2.47	2.899	7.18	-39.6	15.79	48.4
MW0911-1	12/22/2016	AOC-4	4.56	1.48	7.12	-127.8	11.08	83.8
MW0911-1	3/21/2017	AOC-4	2.78	2.731	6.92	-94.8	8.9	101
MW0911-1	6/28/2017	AOC-4	3.14	2.44	6.88	-104.8	14.5	46.2
MW0911-1	9/26/2017	AOC-4	4.57	4.23	7.81	-129	19.2	1,000
MW0911-1	12/19/2017	AOC-4	7.38	3.5	5.89	-48	12.5	1,000
MW0911-1	4/3/2018	AOC-4	9.7	5.2	7.01	-54	10.2	541
MW0911-1	9/24/2018	AOC-4	0	4.68	6.86	-91	15.83	121
MW0911-1	12/19/2018	AOC-4	7.39	1.88	6.80	-138	11.77	242
MW0911-1	3/27/2019	AOC-4	7.98	4.63	7.02	-	9.09	112
MW0911-1	6/27/2019	AOC-4	0.92	5.63	7.69	-109	13.6	140
MW0911-1	9/24/2019	AOC-4	8.05	5.62	7.12	-75	14.13	69.1
MW0911-1	12/19/2019	AOC-4	9.76	4.82	7.66	-142	10.09	284
MW0911-1	3/24/2020	AOC-4	0	4.32	7.09	-91	9.94	324
MW0911-1	6/23/2020	AOC-4	6.24	5.79	6.77	-90	14.01	931
MW0911-1	9/22/2020	AOC-4	3.26	5.77	7.47	-120	17.2	231
MW0911-1	12/15/2020	AOC-4	7.79	4.83	7.59	-133	9.52	358
MW0911-1	3/30/2021	AOC-4	4.44	2.09	7.82	-34	5.8	119
MW0911-1	6/29/2021	AOC-4	7	5.39	7.22	-118.4	16.7	309
MW0911-1	9/28/2021	AOC-4	7.7	5.71	7.13	-88.6	14	47.6
MW0911-1	12/21/2021	AOC-4	3.92	1.07	7.71	-82.1	11.4	327



Table 2
Summary of Groundwater Field Parameters

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Site No. 3 Site
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Well ID	Date Sampled	Monitoring Zone	Diss. Oxygen	Electrical Conductivity	pH	Redox	Temp	Turbidity
			mg/L	mS/cm	pH Units	mV	°C	NTU
MW0610-1	9/24/2014	AOC-5	3.82	5.16	7.07	-52.6	17.3	824
MW0610-1	12/5/2014	AOC-5	2.84	3.866	7.23	-55.4	13.26	213
MW0610-1	3/23/2015	AOC-5	3.01	3.625	2.75	89.6	9.5	172.5
MW0610-1	6/29/2015	AOC-5	3.17	2.423	7.01	-40.9	15.52	338.2
MW0610-1	9/24/2015	AOC-5	1.44	3.888	7.11	-79.4	18.2	62.2
MW0610-1	12/21/2015	AOC-5	37.6	4.075	7.02	-57.9	11.4	105.7
MW0610-1	3/24/2016	AOC-5	4.1	4.881	7.44	-104.8	9.5	140.7
MW0610-1	6/22/2016	AOC-5	2.73	3.418	7.24	22.4	14.69	56
MW0610-1	9/28/2016	AOC-5	2.5	3.459	7.23	-62.4	17.96	111.7
MW0610-1	12/22/2016	AOC-5	4.02	3.39	7.21	-87.1	14.96	270.1
MW0610-1	3/21/2017	AOC-5	3.42	6.297	7.07	-57.4	11.6	209.3
MW0610-1	6/28/2017	AOC-5	2.62	7.49	6.94	-76.7	16	82
MW0610-1	9/26/2017	AOC-5	5.49	7.06	7.9	-118	23.17	1,000
MW0610-1	12/19/2017	AOC-5	7.24	7.55	7.24	-77	14.7	556
MW0610-1	4/3/2018	AOC-5	9.24	12.7	7.3	-72	12.7	315
MW0610-1	9/24/2018	AOC-5	0.17	8.09	7.05	-114	17.85	606
MW0610-1	12/19/2018	AOC-5	8.17	9.9	6.15	-103	10.79	> 1,000
MW0610-1	3/27/2019	AOC-5	7.51	9.29	6.39	-	10.25	665
MW0610-1	6/27/2019	AOC-5	10.64	12.6	7.8	-98	17.4	1,000
MW0610-1	9/24/2019	AOC-5	7.44	9.09	6.89	-68	17.73	395
MW0610-1	12/19/2019	AOC-5	8.38	12.2	7.25	-89	13	> 1,000
MW0610-1	3/24/2020	AOC-5	0	1.27	7.26	-109	11.88	> 1,000
MW0610-1	6/23/2020	AOC-5	8.89	13.6	7.32	-101	18.68	> 1,000
MW0610-1	9/22/2020	AOC-5	2.3	11.5	7.65	-121	19.4	477
MW0610-1	12/15/2020	AOC-5	4.93	9.11	7.49	-91	12.04	668
MW0610-1	3/30/2021	AOC-5	3.23	19.7	7.7	-126	6.2	1,000
MW0610-1	6/29/2021	AOC-5	3.84	10.37	7.22	-118.8	17.1	1,000
MW0610-1	9/28/2021	AOC-5	7.26	6.48	7.26	-142.4	17.3	>1,000
MW0610-1	12/21/2021	AOC-5	2.2	9.81	7.35	-75.7	14	>1,000
MW0811-1	9/24/2014	AOC-5	3.92	3.79	6.71	-36.7	21.6	3,704
MW0811-1	12/5/2014	AOC-5	2.93	3.192	6.71	-29.5	19.04	1,361
MW0811-1	6/29/2015	AOC-5	0	1.629	6.71	-20.1	21.75	1,538
MW0811-1	9/24/2015	AOC-5	1.94	3.582	7.02	-23.5	22.65	1,394
MW0811-1	12/21/2015	AOC-5	3.45	3.732	6.76	-24.8	20.1	1,592
MW0811-1	3/24/2016	AOC-5	2.92	3.867	6.82	-66.3	19.4	733.8
MW0811-1	6/22/2016	AOC-5	1.01	3.491	6.8	42.7	21.44	1,448
MW0811-1	12/22/2016	AOC-5	2.74	3.101	6.89	-50.8	18.48	606.9
MW0811-1	6/28/2017	AOC-5	1.41	4.22	6.63	-29.8	22	1,000
MW0811-1	9/26/2017	AOC-5	5.42	3.76	8.18	-94	26.4	1,000
MW0811-1	4/3/2018	AOC-5	7.36	3.66	6.9	-34	16.6	1,000
MW0811-1	9/24/2018	AOC-5	0.46	4.15	6.91	-78	22.21	1,000
MW0811-1	12/19/2018	AOC-5	5.95	4.17	6.42	-99	16.53	> 1,000
MW0811-1	3/27/2019	AOC-5	6.34	4.40	6.74	-103	16.63	1,000
MW0811-1	6/27/2019	AOC-5	1.03	5.33	7.62	-89	23.9	1,000
MW0811-1	9/24/2019	AOC-5	5.91	5.08	6.62	-32	21.93	> 1,000
MW0811-1	12/19/2019	AOC-5	7.36	5.04	7.15	-47	19.68	> 1,000
MW0811-1	3/24/2020	AOC-5	0	5.18	6.89	-35	17.85	> 1,000
MW0811-1	6/23/2020	AOC-5	4.81	5.12	6.85	-68	24.27	> 1,000
MW0811-1	9/22/2020	AOC-5	2.56	5.6	7.36	-93	23.9	> 1,000
MW0811-1	12/15/2020	AOC-5	5.8	4.73	7.18	-78	19.51	> 1,000
MW0811-1	3/30/2021	AOC-5	3.48	99.9	7.34	-80	12.1	1,000
MW0811-1	6/29/2021	AOC-5	1.77	5.18	6.88	-95.8	23.5	1,000
MW0811-1	9/28/2021	AOC-5	5.71	5.12	7.28	-67.1	21.7	>1,000
MW0811-1	12/21/2021	AOC-5	1.56	5.09	6.98	-67	20.4	>1,000



Table 2
Summary of Groundwater Field Parameters

Garlock Sealing Technologies
Site No. 3 Site
BCP Site #C859028

Well ID	Date Sampled	Monitoring Zone	Diss. Oxygen	Electrical Conductivity	pH	Redox	Temp	Turbidity
			mg/L	mS/cm	pH Units	mV	°C	NTU
MW-63	9/24/2014	AOC-5	3.54	7.25	6.89	-57.2	19.6	4.77
MW-63	12/5/2014	AOC-5	2.98	5.722	6.93	-46	15.53	3.7
MW-63	3/23/2015	AOC-5	2.61	5.25	2.74	92.8	12.62	14.9
MW-63	6/29/2015	AOC-5	2.33	0.043	6.84	-51.4	17.28	8.4
MW-63	9/24/2015	AOC-5	1.79	7.325	7.01	-50.4	20.58	62
MW-63	12/21/2015	AOC-5	27.7	7.454	6.85	-55.3	16.7	7.8
MW-63	3/24/2016	AOC-5	3.07	7.843	7.05	-78.3	13.4	29.7
MW-63	6/22/2016	AOC-5	3.03	3.844	7.17	9.1	17.72	17.6
MW-63	9/28/2016	AOC-5	5.78	6.662	7.16	-35.4	20.43	7.1
MW-63	12/22/2016	AOC-5	3.47	5.502	73.04	-77.2	15.9	82.4
MW-63	3/21/2017	AOC-5	2.78	7.882	6.89	-61.5	13.9	23.5
MW-63	6/28/2017	AOC-5	4.38	7.79	6.8	-96.2	19.1	12.1
MW-63	9/26/2017	AOC-5	4.89	8.76	7.77	-104	24.63	402
MW-63	12/19/2017	AOC-5	6.93	8.42	6.99	-77	16.8	767
MW-63	4/3/2018	AOC-5	8.43	8.64	6.97	-60	15.4	137
MW-63	9/24/2018	AOC-5	0	8.54	6.79	-79	19.92	61.6
MW-63	12/19/2018	AOC-5	7.35	8.91	6.19	-97	13.31	122
MW-63	3/27/2019	AOC-5	7.00	9.29	6.44	-98	11.41	389
MW-63	6/27/2019	AOC-5	10.22	11.5	7.87	-100	19.6	235
MW-63	9/24/2019	AOC-5	5.78	12.3	6.89	-61	18.46	459
MW-63	12/19/2019	AOC-5	8.6	11.4	7.34	-62	13.82	246
MW-63	3/24/2020	AOC-5	0.03	1.08	6.98	-46	12.98	142
MW-63	6/23/2020	AOC-5	5.82	12	7.02	-93	19.78	43.1
MW-63	9/22/2020	AOC-5	3.58	11.9	7.37	-101	20.4	215
MW-63	12/15/2020	AOC-5	5.54	11.2	7.32	-90	13.63	71.3
MW-63	3/30/2021	AOC-5	4.76	17.9	7.52	-120	8.6	123
MW-63	6/29/2021	AOC-5	3.63	10.77	6.85	-102.9	18.1	30.9
MW-63	9/28/2021	AOC-5	6.11	10.91	7.27	-75.6	18.6	40.1
MW-63	12/21/2021	AOC-5	2.56	10.65	6.91	-41.4	15.1	85.6



Table 2
Summary of Groundwater Field Parameters

Garlock Sealing Technologies
Site No. 3 Site
BCP Site #C859028

Well ID	Date Sampled	Monitoring Zone	Diss. Oxygen	Electrical Conductivity	pH	Redox	Temp	Turbidity
			mg/L	mS/cm	pH Units	mV	°C	NTU
MW0610-4	9/22/2014	Carbon Tet Area	1.14	4.01	7.38	-50.1	16.2	19
MW0610-4	12/5/2014	Carbon Tet Area	2.2	2.855	7.1	-200.5	11.52	7.8
MW0610-4	3/23/2015	Carbon Tet Area	2.6	6.16	2.81	67.2	7.85	43.3
MW0610-4	6/29/2015	Carbon Tet Area	2.02	5.809	6.81	-85	16.42	217.2
MW0610-4	9/24/2015	Carbon Tet Area	-0.94	3.4	7.13	-152.1	18.77	43.4
MW0610-4	12/21/2015	Carbon Tet Area	3.98	4.825	7.02	-180.3	12.2	42
MW0610-4	3/24/2016	Carbon Tet Area	2.84	8.252	7.11	-208.8	7.8	10.6
MW0610-4	6/22/2016	Carbon Tet Area	2.45	5.058	7.17	-145	15.07	175.6
MW0610-4	9/28/2016	Carbon Tet Area	7.45	4.466	7.18	-178.9	18.96	105.2
MW0610-4	12/22/2016	Carbon Tet Area	7.01	2.847	7.4	-204.8	9.3	162.8
MW0610-4	3/21/2017	Carbon Tet Area	2.39	10.51	7.37	-227.5	9.9	14.9
MW0610-4	6/28/2017	Carbon Tet Area	3.01	4.32	7.05	-209.2	16.8	25.2
MW0610-4	9/26/2017	Carbon Tet Area	4.41	4.64	7.85	-213	21	275
MW0610-4	12/19/2017	Carbon Tet Area	8.33	4.82	7.18	-218	12.3	0
MW0610-4	4/3/2018	Carbon Tet Area	8.92	13.8	7.15	-84	7.4	167
MW0610-4	9/24/2018	Carbon Tet Area	0.84	6.72	6.84	-234	16.04	163
MW0610-4	12/19/2018	Carbon Tet Area	7.88	5.59	6.06	-215	6.76	124
MW0610-4	3/27/2019	Carbon Tet Area	7.78	12.7	6.39	-134	5.93	154
MW0610-4	6/27/2019	Carbon Tet Area	2.49	6.12	8.2	-192	15.6	191
MW0610-4	9/24/2019	Carbon Tet Area	7.45	5.55	6.89	-191	16.95	117
MW0610-4	12/19/2019	Carbon Tet Area	8.86	6.21	6.25	65	9.96	108
MW0610-4	3/24/2020	Carbon Tet Area	0.29	10	7.18	-167	6.06	82.2
MW0610-4	6/23/2020	Carbon Tet Area	5.5	6.83	7.12	-247	16.08	47.6
MW0610-4	9/22/2020	Carbon Tet Area	2.07	5.98	7.52	-272	17.4	198
MW0610-4	12/15/2020	Carbon Tet Area	5.86	5.53	7.37	-135	11.41	128
MW0610-4	3/30/2021	Carbon Tet Area	6.37	9.72	7.56	-137	1.7	76.7
MW0610-4	6/29/2021	Carbon Tet Area	1.84	5.27	7.29	-269.3	15.2	1,000
MW0610-4	9/28/2021	Carbon Tet Area	9.02	5.04	6.92	-189.9	17.5	189
MW0610-4	12/21/2021	Carbon Tet Area	2.44	4.92	7.72	-100	10.2	112
MW0610-5	9/22/2014	Carbon Tet Area	1.04	3.73	7.14	-80.3	17.2	26.4
MW0610-5	12/5/2014	Carbon Tet Area	2.02	2.834	6.91	-228	12.94	25.7
MW0610-5	3/23/2015	Carbon Tet Area	2.38	8.244	2.83	-9.1	8.47	99.6
MW0610-5	6/29/2015	Carbon Tet Area	2.42	3.391	7.07	-159	18.63	120.1
MW0610-5	9/24/2015	Carbon Tet Area	-3.28	2.93	7.2	-162.4	19.27	164.5
MW0610-5	12/21/2015	Carbon Tet Area	2.94	3.849	6.89	-210.1	13.1	44.1
MW0610-5	3/24/2016	Carbon Tet Area	1.74	8.846	6.98	-251.8	7.5	39.7
MW0610-5	6/22/2016	Carbon Tet Area	2.16	4.348	7.12	-136.8	15.17	81.1
MW0610-5	9/28/2016	Carbon Tet Area	1.47	3.705	7.01	-238.7	20.01	34.8
MW0610-5	12/22/2016	Carbon Tet Area	6.4	3.69	7.28	-213.3	9.43	87.6
MW0610-5	3/21/2017	Carbon Tet Area	3.52	11.37	7.15	-196.7	9.2	139.7
MW0610-5	6/28/2017	Carbon Tet Area	2.02	4.55	6.79	-255.7	16.1	43.7
MW0610-5	9/26/2017	Carbon Tet Area	5.69	3.95	9.07	-210	21.1	615
MW0610-5	12/19/2017	Carbon Tet Area	8.24	3.8	6.42	-247	13	1,000
MW0610-5	4/3/2018	Carbon Tet Area	8.52	14.3	7.03	-134	9.2	191
MW0610-5	9/24/2018	Carbon Tet Area	0	4.41	6.73	-245	16.05	251
MW0610-5	12/19/2018	Carbon Tet Area	7.96	4.55	5.63	-209	9.70	173
MW0610-5	3/27/2019	Carbon Tet Area	8.94	10.8	6.09	-199	5.94	141
MW0610-5	6/27/2019	Carbon Tet Area	4.14	5.57	7.7	-248	14.9	208
MW0610-5	9/24/2019	Carbon Tet Area	5.78	4.28	6.82	-189	16.89	161
MW0610-5	12/19/2019	Carbon Tet Area	9.33	8.49	7.41	-7	8.59	196
MW0610-5	3/24/2020	Carbon Tet Area	3.19	8.57	6.7	-225	7.31	213
MW0610-5	6/23/2020	Carbon Tet Area	6.64	4.54	6.85	-257	14.93	216
MW0610-5	9/22/2020	Carbon Tet Area	2.58	4.86	7.47	-304	18.3	389
MW0610-5	12/15/2020	Carbon Tet Area	5.2	4.22	7.13	-235	12	270
MW0610-5	3/30/2021	Carbon Tet Area	7.37	9.25	7.36	-231	3	198
MW0610-5	6/29/2021	Carbon Tet Area	2.88	4.37	6.88	-301.9	15.4	160
MW0610-5	9/28/2021	Carbon Tet Area	6.99	3.63	6.98	-243.7	17.1	172
MW0610-5	12/21/2021	Carbon Tet Area	2.67	3.79	7.91	-136.6	10.9	174



Table 2
Summary of Groundwater Field Parameters

Garlock Sealing Technologies
Site No. 3 Site
BCP Site #C859028

Well ID	Date Sampled	Monitoring Zone	Diss. Oxygen	Electrical Conductivity	pH	Redox	Temp	Turbidity
			mg/L	mS/cm	pH Units	mV	°C	NTU
MW0811-2	9/22/2014	Carbon Tet Area	1.56	2.69	7.15	26.2	17.1	8.11
MW0811-2	12/5/2014	Carbon Tet Area	2.62	2.556	7.2	-91.4	12.39	6.2
MW0811-2	3/23/2015	Carbon Tet Area	2.43	4.203	2.9	121.1	8.27	31.3
MW0811-2	6/29/2015	Carbon Tet Area	2.09	4.054	7.15	-185.7	17.79	30.5
MW0811-2	9/24/2015	Carbon Tet Area	2.07	2.372	7.04	-133.2	19.29	25.2
MW0811-2	12/21/2015	Carbon Tet Area	3.23	1.959	7	-130	13.1	6.3
MW0811-2	3/24/2016	Carbon Tet Area	2.26	8.392	7.03	-154	7.6	6.4
MW0811-2	6/22/2016	Carbon Tet Area	2.85	2.966	7.4	-131.4	14.39	19.5
MW0811-2	9/28/2016	Carbon Tet Area	3.49	4.961	7.09	-46.1	20.59	20.5
MW0811-2	12/22/2016	Carbon Tet Area	9.43	1.768	7.49	-149	9.77	127.1
MW0811-2	3/21/2017	Carbon Tet Area	4.41	4.302	7.73	-172.6	8.4	76.1
MW0811-2	6/28/2017	Carbon Tet Area	4.47	4.18	7.17	-138.4	15.7	20.8
MW0811-2	9/26/2017	Carbon Tet Area	6.22	3.49	7.81	-87	21.9	255
MW0811-2	12/19/2017	Carbon Tet Area	8.09	2.52	7.23	-135	12.3	0
MW0811-2	4/3/2018	Carbon Tet Area	10.37	9.25	6.71	145	8.7	150
MW0811-2	9/24/2018	Carbon Tet Area	0.4	4.72	6.68	-61	17.06	741
MW0811-2	12/19/2018	Carbon Tet Area	9.10	3.43	5.39	202	7.67	71.9
MW0811-2	3/27/2019	Carbon Tet Area	11.46	4.92	5.51	196	6.70	48.1
MW0811-2	6/27/2019	Carbon Tet Area	3.96	2.8	7.5	18	15.1	41.2
MW0811-2	9/24/2019	Carbon Tet Area	7.46	4.61	7.06	-126	17.06	34.2
MW0811-2	12/19/2019	Carbon Tet Area	9.22	3.27	7.61	81	8.49	151
MW0811-2	3/24/2020	Carbon Tet Area	4.07	4.34	6.31	93	7.93	47.6
MW0811-2	6/23/2020	Carbon Tet Area	0.48	100 >	6.6	-87	15.99	39.8
MW0811-2	9/22/2020	Carbon Tet Area	2.02	5.17	6.97	-52	16.3	36
MW0811-2	12/15/2020	Carbon Tet Area	9.61	3.19	7.11	72	12.14	44.6
MW0811-2	3/30/2021	Carbon Tet Area	9.66	25.8	6.64	89	8.4	55.5
MW0811-2	6/29/2021	Carbon Tet Area	3.25	4.37	6.63	-14	15.1	29.5
MW0811-2	9/28/2021	Carbon Tet Area	4.75	3.72	7.18	-24.3	17.7	20.2
MW0811-2	12/21/2021	Carbon Tet Area	2.88	2.36	6.62	-9.7	10.9	26.6



Table 2
Summary of Groundwater Field Parameters

Garlock Sealing Technologies
Site No. 3 Site
BCP Site #C859028

Well ID	Date Sampled	Monitoring Zone	Diss. Oxygen	Electrical Conductivity	pH	Redox	Temp	Turbidity
			mg/L	mS/cm	pH Units	mV	°C	NTU
IW-1	9/22/2014	Toluene Area	3.4	5.1	7.29	-71	18.9	92
IW-1	12/4/2014	Toluene Area	5.09	4.555	7.1	-46.4	12.98	840.5
IW-1	3/23/2015	Toluene Area	3.42	8.05	3.02	26.3	5.3	20.7
IW-1	6/29/2015	Toluene Area	2.37	0.014	7.67	13	21.8	179.2
IW-1	9/24/2015	Toluene Area	3.29	5.655	7.5	3.7	22.65	1,394
IW-1	12/21/2015	Toluene Area	6.26	2.833	7.25	-13.2	14	142.6
IW-1	3/24/2016	Toluene Area	7.69	9.477	7.31	-137.1	9.9	131.8
IW-1	6/22/2016	Toluene Area	4.33	4.048	7.5	31.4	16.14	869
IW-1	9/28/2016	Toluene Area	7.05	7.931	7.21	-29.2	24.48	126.1
IW-1	12/22/2016	Toluene Area	7.74	5.004	7.36	-43.1	14.12	503.4
IW-1	3/21/2017	Toluene Area	4.72	19.61	7.04	-126	8.6	23
IW-1	6/28/2017	Toluene Area	6.52	9.59	7.34	-136.8	23.2	100
IW-1	9/26/2017	Toluene Area	5.36	3.8	7.75	-198	21.9	1,000
IW-1	12/19/2017	Toluene Area	6.83	4.73	6.77	-209	13.8	1,000
IW-1	4/3/2018	Toluene Area	6.64	12.8	7.23	-99	11.1	1,000
IW-1	9/24/2018	Toluene Area	0.64	5.51	7.37	-123	17.81	1,000
IW-1	12/19/2018	Toluene Area	8.24	7.25	6.21	-162	9.50	> 1,000
IW-1	3/27/2019	Toluene Area	8.63	10.6	5.75	-31	7.54	1,000
IW-1	6/27/2019	Toluene Area	4.86	6.97	7.98	-178	16	1,000
IW-1	9/24/2019	Toluene Area	8.85	2.65	6.31	-34	20.6	488
IW-1	12/19/2019	Toluene Area	8.63	14.2	7.11	45	10.22	> 1,000
IW-1	3/24/2020	Toluene Area	0	1.03	6.75	-118	9.1	> 1,000
IW-1	6/23/2020	Toluene Area	7.63	7.35	7.04	-222	21.96	41.3
IW-1	9/22/2020	Toluene Area	4.81	4.76	7.1	-97	18.1	> 1,000
IW-1	12/15/2020	Toluene Area	8.11	6.36	7.55	-37	12.59	> 1,000
IW-1	6/29/2021	Toluene Area	7.35	5.78	7.31	-205.4	17.6	1,000
IW-1	9/28/2021	Toluene Area	6.84	5.11	6.93	-113.6	18	>1,000
IW-1	12/21/2021	Toluene Area	5.11	4.41	7.31	-55.2	12.9	905
IW-2	9/22/2014	Toluene Area	1.35	3.65	7.36	22.1	15.8	15.4
IW-2	12/5/2014	Toluene Area	2.43	3.445	7.34	-65.6	13.37	48.4
IW-2	3/23/2015	Toluene Area	2.03	5.18	3.02	108.4	9.56	73.5
IW-2	6/29/2015	Toluene Area	3.81	7.63	6.97	-89.9	23.2	16.1
IW-2	9/24/2015	Toluene Area	1.9	3.442	7.2	8.4	21.95	102.1
IW-2	12/21/2015	Toluene Area	3.4	4.225	7.31	-43.7	14.4	146.7
IW-2	3/24/2016	Toluene Area	2.55	9.23	7.19	-107.2	11.7	53.7
IW-2	6/22/2016	Toluene Area	2.63	3.044	7.34	20.1	15.42	76
IW-2	9/28/2016	Toluene Area	7.35	3.482	7.48	-2.7	20.31	153.8
IW-2	12/22/2016	Toluene Area	10.3	5.092	7.35	-66.1	9.52	124.9
IW-2	3/21/2017	Toluene Area	3.88	6.84	7.31	43.1	12.3	410.5
IW-2	6/28/2017	Toluene Area	4.43	4.22	7.16	-88.7	15.6	43.5
IW-2	9/26/2017	Toluene Area	3.43	3.41	7.57	-77	21.42	1,000
IW-2	12/19/2017	Toluene Area	3.63	4.21	6.91	-157	13.4	1,000
IW-2	4/3/2018	Toluene Area	6.32	13.2	7.1	-58	11	1,000
IW-2	9/24/2018	Toluene Area	0.1	-34	7.21	-34	15.85	638
IW-2	12/19/2018	Toluene Area	7.79	8.63	6.24	-143	12.23	> 1,000
IW-2	3/27/2019	Toluene Area	6.41	13.4	6.12	-136	9.32	1,000
IW-2	6/27/2019	Toluene Area	2.29	5.03	8.31	-109	15.9	1,000
IW-2	9/24/2019	Toluene Area	5.64	3.61	7.04	-136	17.3	485
IW-2	12/19/2019	Toluene Area	9.24	11.8	7.39	59	9.65	429
IW-2	3/24/2020	Toluene Area	0.06	9.07	7.04	-59	9.04	762
IW-2	6/23/2020	Toluene Area	5.42	4.04	7.19	-90	16.27	> 1,000
IW-2	9/22/2020	Toluene Area	3.45	4.84	7.55	-192	18.4	> 1,000
IW-2	12/15/2020	Toluene Area	6.29	6.44	7.59	-77	12.87	> 1,000
IW-2	3/30/2021	Toluene Area	5.81	7.45	7.46	-89	3.8	786
IW-2	6/29/2021	Toluene Area	-	4.09	7.02	-102.9	16.1	1,000
IW-2	9/28/2021	Toluene Area	6.41	3.66	6.98	-167.6	17.1	831
IW-2	12/21/2021	Toluene Area	2.87	3.73	7.51	-77.5	12.7	>1,000

AOC-1



Table 3
Summary of AOC-1 Groundwater Monitoring Results

AOC-1			
Sampling Location	Sampling Date	Chemical oxygen demand (COD)	Total organic carbon (TOC)
		mg/L	mg/L
	Regulatory Standard		
OW-2	11/12/08	17	<0.001
OW-2	03/25/09	82.3	6
OW-2	06/29/09	30	10.7
OW-2	09/30/09	34	12.5
OW-2	12/31/09	18	5.7
OW-2	03/31/10	34	8.2
OW-2	08/31/10	22	9.6
OW-2	11/18/10	31.4	4.64
OW-2	05/26/11	13	5.6
OW-2	08/31/11	61.4	10.8
OW-2	12/15/11	<5	4.5
OW-2	03/21/12	<5	3.6
OW-2	06/19/12	23.5	6
OW-2	09/25/12	33.1	7.4
OW-2	12/19/12	20.7	4.5
OW-2	03/19/13	141	4.4
OW-2	09/23/14	19.4	6.4
OW-2	09/24/15	32	3.3
OW-2	09/28/16	170	4.15
OW-2	09/26/17	130	2.2
OW-2	09/24/18	130	2.89
OW-2	09/24/19	620	6.50
OW-2	09/22/20	540	5.0
OW-3	11/12/08	28.4	4.5
OW-3	03/25/09	60.9	8.4
OW-3	06/29/09	13	6.4
OW-3	09/30/09	26	20.5
OW-3	12/30/09	38	6.9
OW-3	03/31/10	59	21
OW-3	08/31/10	9	4.1
OW-3	11/18/10	44	4.64
OW-3	02/23/11	22	5.9
OW-3	05/25/11	18	5.3
OW-3	08/30/11	<10	<10
OW-3	12/14/11	9	2.6
OW-3	03/21/12	15.3	2.7
OW-3	06/19/12	14.5	2.5
OW-3	09/25/12	16.4	2.6
OW-3	12/19/12	15.2	1.7
OW-3	03/19/13	18.6	2
OW-3	09/23/14	7.5	2.1
OW-3	09/24/15	92	1.8 J
OW-3	09/28/16	25	1.96
OW-3	09/26/17	22	1.12
OW-3	09/24/18	13	1.13
OW-3	09/24/19	6.2 J	1.09 J
OW-3	09/22/20	5.2 J	1.2
OW-3	09/28/21	11	0.835

Notes:
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Regulatory Standard - Class GA Groundwater Quality Standard or Guidance Value from NYSDEC Division of Water TOGS 1.1.1 (June 1998)
<## Not detected above indicated laboratory reporting limit.
J estimated value
mg/L milligrams per liter
ug/L micrograms per liter
Bold and highlighted cells indicate an exceedance of Class GA Regulatory Standards



Table 3
Summary of AOC-1 Groundwater Monitoring Results

Sampling Location	Sampling Date	Chemical oxygen demand (COD)	Total organic carbon (TOC)
		mg/L	mg/L
	Regulatory Standard		
OW-4	11/12/08	30.3	0.36
OW-4	03/25/09	62	6.3
OW-4	06/29/09	30	9.9
OW-4	09/29/09	42	11.3
OW-4	12/28/09	26	6.5
OW-4	03/31/10	22	5
OW-4	08/30/10	18	6
OW-4	11/17/10	25.4	6.14
OW-4	02/22/11	22	6.4
OW-4	05/25/11	22	3.8
OW-4	08/30/11	51.9	<20
OW-4	12/14/11	18	4.9
OW-4	03/22/12	28.1	3.7
OW-4	06/19/12	29.6	4.9
OW-4	09/25/12	22.1	4.2
OW-4	12/19/12	25.2	2.6
OW-4	03/19/13	55	3.6
OW-4	09/23/14	17.1	3.9
OW-4	09/24/15	76	3.9
OW-4	09/28/16	20	1.97
OW-4	09/26/17	57	2.15
OW-4	09/24/18	22	2.69
OW-4	09/24/19	37	3.05
OW-4	09/22/20	38	2.5
OW-4	09/28/21	47	2.04
OW-6 (MW-3)	12/04/06	-	-
OW-6 (MW-3)	09/10/07	-	-
OW-6 (MW-3)	05/05/08	-	-
OW-6 (MW-3)	11/12/08	143	8.5
OW-6 (MW-3)	03/26/09	139	15.1
OW-6 (MW-3)	06/30/09	83	17.4
OW-6 (MW-3)	09/30/09	30	1.1
OW-6 (MW-3)	12/31/09	171	19.4
OW-6 (MW-3)	03/31/10	103	17.2
OW-6 (MW-3)	08/31/10	91	17.1
OW-6 (MW-3)	11/18/10	163	13.1
OW-6 (MW-3)	02/23/11	113	11.8
OW-6 (MW-3)	05/26/11	38	13.9
OW-6 (MW-3)	08/31/11	77.5	<20
OW-6 (MW-3)	12/15/11	159	12.7
OW-6 (MW-3)	03/21/12	86.2	9.7
OW-6 (MW-3)	06/19/12	110	11.8
OW-6 (MW-3)	09/25/12	104	12
OW-6 (MW-3)	12/19/12	125	9.2
OW-6 (MW-3)	03/19/13	149	9.9
OW-6 (MW-3)	09/23/14	131	11.1
OW-6 (MW-3)	09/24/15	180	11
OW-6 (MW-3)	09/28/16	98	9.71
OW-6 (MW-3)	09/26/17	-	0
OW-6 (MW-3)	09/24/18	66	7.78
OW-6 (MW-3)	09/24/19	79	8.46
OW-6 (MW-3)	09/22/20	130	4.0
OW-6 (MW-3)	09/28/21	140	6.81

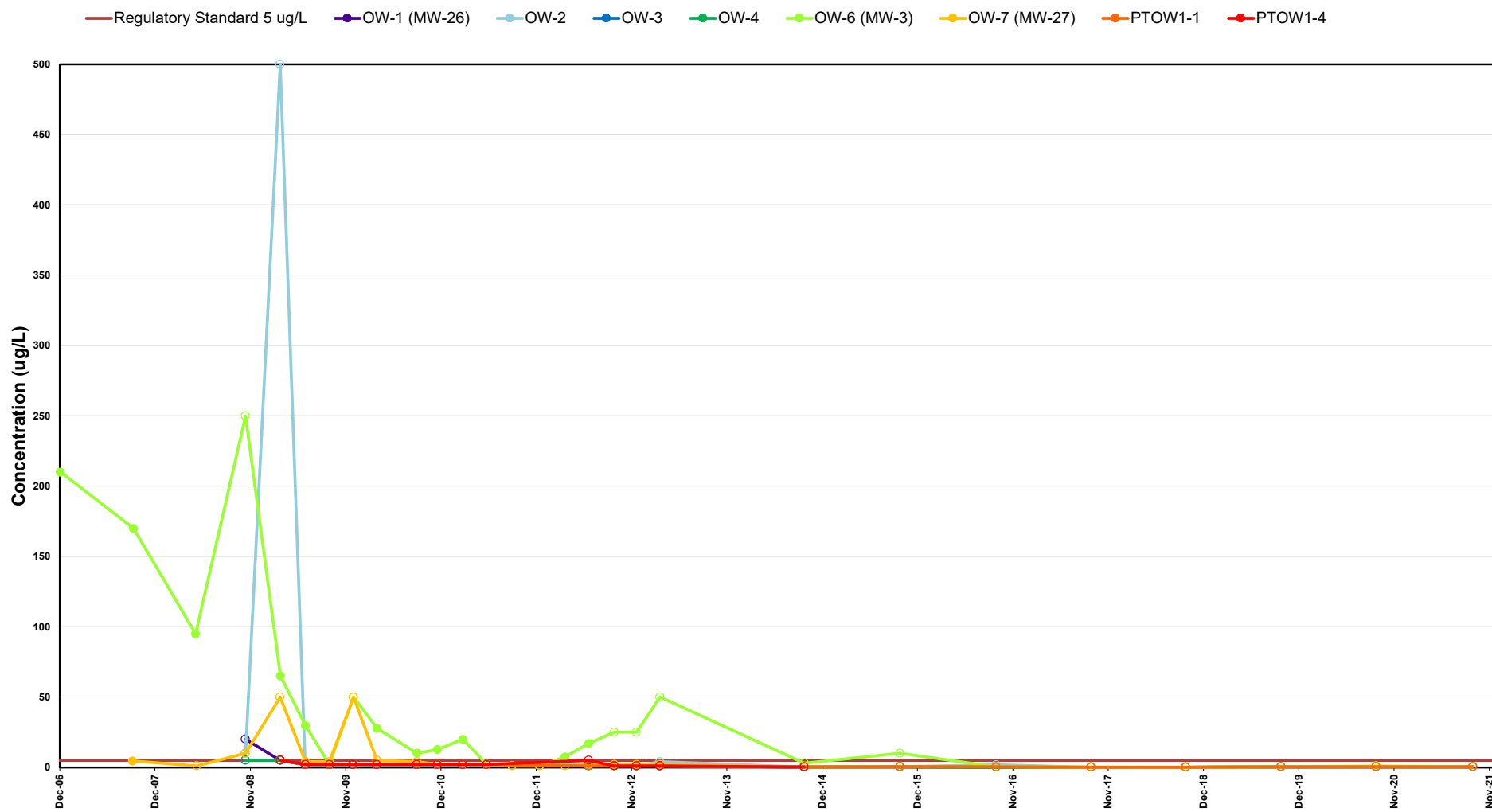
Notes:
Only analytes that exceeded Class GA Regulatory Standards in samples taken from at least one monitoring well during at least one monitoring event are included here
Regulatory Standard - Class GA Groundwater Quality Standard or Guidance Value from NYSDEC Division of Water TOGS 1.1.1 (June 1998)
<## Not detected above indicated laboratory reporting limit.
J estimated value
mg/L milligrams per liter
ug/L micrograms per liter
Bold and highlighted cells indicate an exceedance of Class GA Regulatory Standards



Table 3
Summary of AOC-1 Groundwater Monitoring Results

Sampling Location	Sampling Date	Chemical oxygen demand (COD)	Total organic carbon (TOC)
		mg/L	mg/L
	Regulatory Standard		
OW-7 (MW-27)	09/06/07	-	-
OW-7 (MW-27)	05/09/08	15.3	<1
OW-7 (MW-27)	11/12/08	81.4	12.9
OW-7 (MW-27)	03/25/09	515	346
OW-7 (MW-27)	06/30/09	541	232
OW-7 (MW-27)	09/30/09	576	190
OW-7 (MW-27)	12/31/09	576	156
OW-7 (MW-27)	03/31/10	325	78.2
OW-7 (MW-27)	08/31/10	284	75.4
OW-7 (MW-27)	11/18/10	238	42.6
OW-7 (MW-27)	02/23/11	183	24.8
OW-7 (MW-27)	05/26/11	45	5.9
OW-7 (MW-27)	08/31/11	123	10.1
OW-7 (MW-27)	12/15/11	55	7.3
OW-7 (MW-27)	03/21/12	48	4.4
OW-7 (MW-27)	06/19/12	48.2	7.8
OW-7 (MW-27)	09/25/12	37.9	6.1
OW-7 (MW-27)	12/19/12	37	6.4
OW-7 (MW-27)	03/19/13	103	12.5
OW-7 (MW-27)	09/23/14	27.4	2.5
OW-7 (MW-27)	09/24/15	240	2.9
OW-7 (MW-27)	09/28/16	49	1.28
OW-7 (MW-27)	09/26/17	88	1.73
OW-7 (MW-27)	09/24/18	54	2.33
OW-7 (MW-27)	09/24/19	62	2.60
OW-7 (MW-27)	09/22/20	82	3.9
OW-7 (MW-27)	09/28/21	120	2.51
PTOW1-1	05/02/08	-	-
PTOW1-1	07/02/08	-	-
PTOW1-1	11/13/08	1,430	6
PTOW1-1	03/25/09	534	11.2
PTOW1-1	06/30/09	30	12.9
PTOW1-1	09/30/09	30	13.2
PTOW1-1	12/31/09	13	4.9
PTOW1-1	03/30/10	22	7.7
PTOW1-1	08/30/10	34	12.3
PTOW1-1	11/17/10	59.6	5.75
PTOW1-1	02/22/11	102	7.5
PTOW1-1	05/25/11	26	9.9
PTOW1-1	08/30/11	47.1	17.3
PTOW1-1	12/14/11	34	8.6
PTOW1-1	03/22/12	24.6	6.7
PTOW1-1	06/19/12	42.1	15.7
PTOW1-1	09/25/12	39.4	8.1
PTOW1-1	12/19/12	66.2	7.6
PTOW1-1	03/19/13	85.3	8.8
PTOW1-1	09/23/14	29	8.9
PTOW1-1	09/24/15	660	8.9
PTOW1-1	09/28/16	260	4.39
PTOW1-1	09/26/17	710	3.98
PTOW1-1	09/24/18	440	3.39
PTOW1-1	09/24/19	760	6.82
PTOW1-1	09/22/20	310	4.0
PTOW1-1	09/28/21	270	9.97

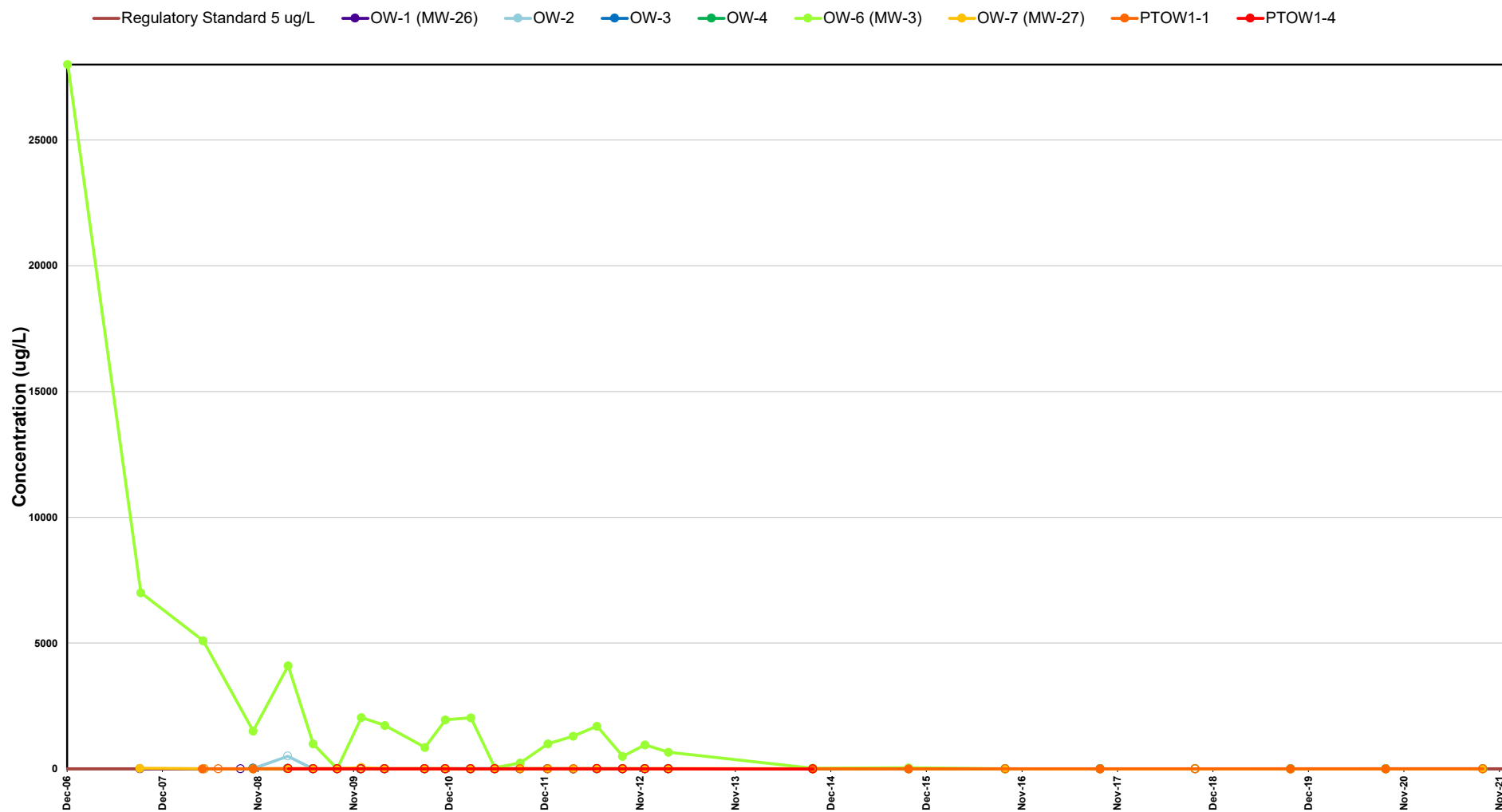
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mg/L milligrams per liter
ug/L micrograms per liter
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Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Tetrachloroethene Trend

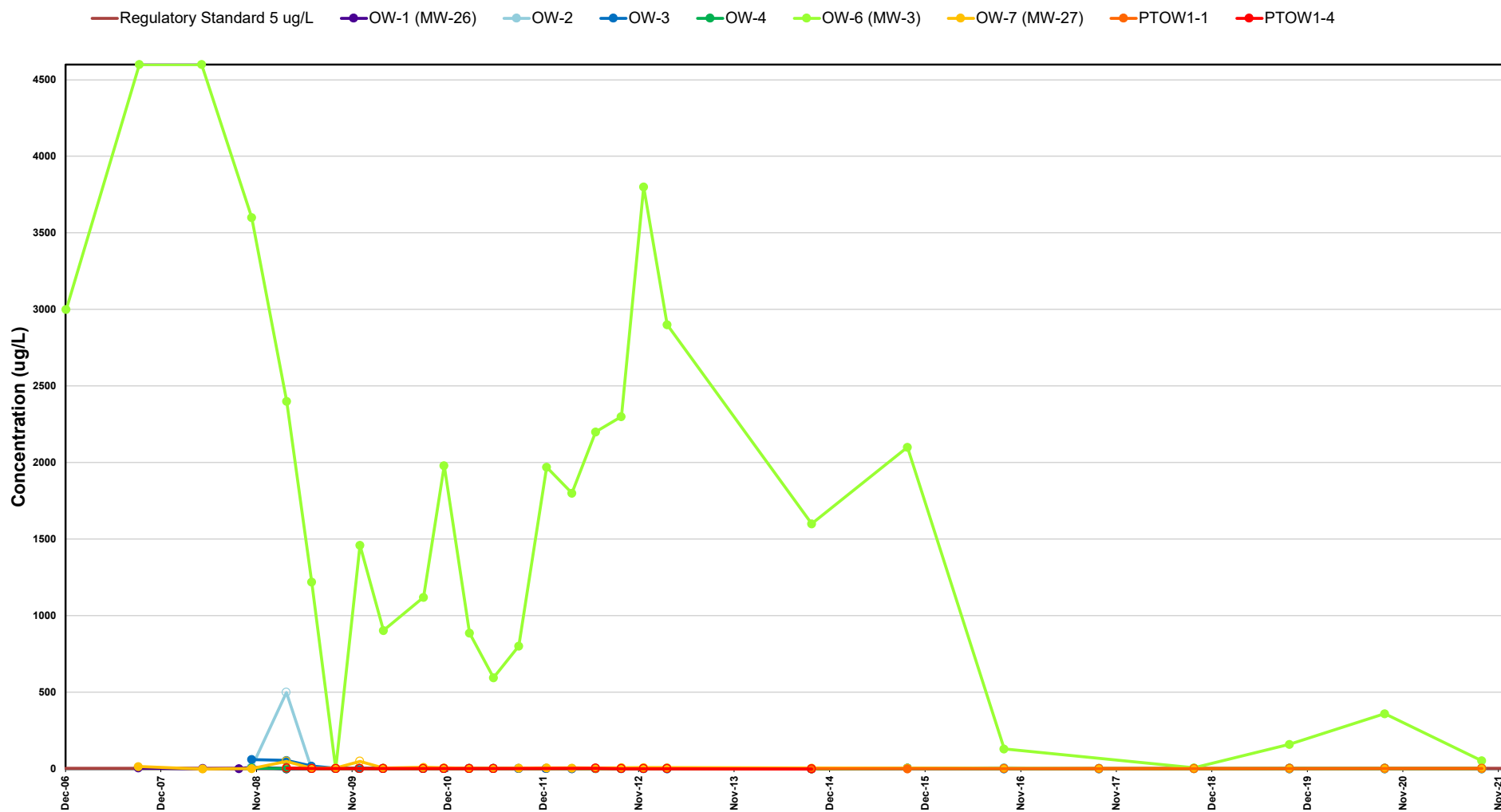
AOC-1



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Trichloroethene Trend

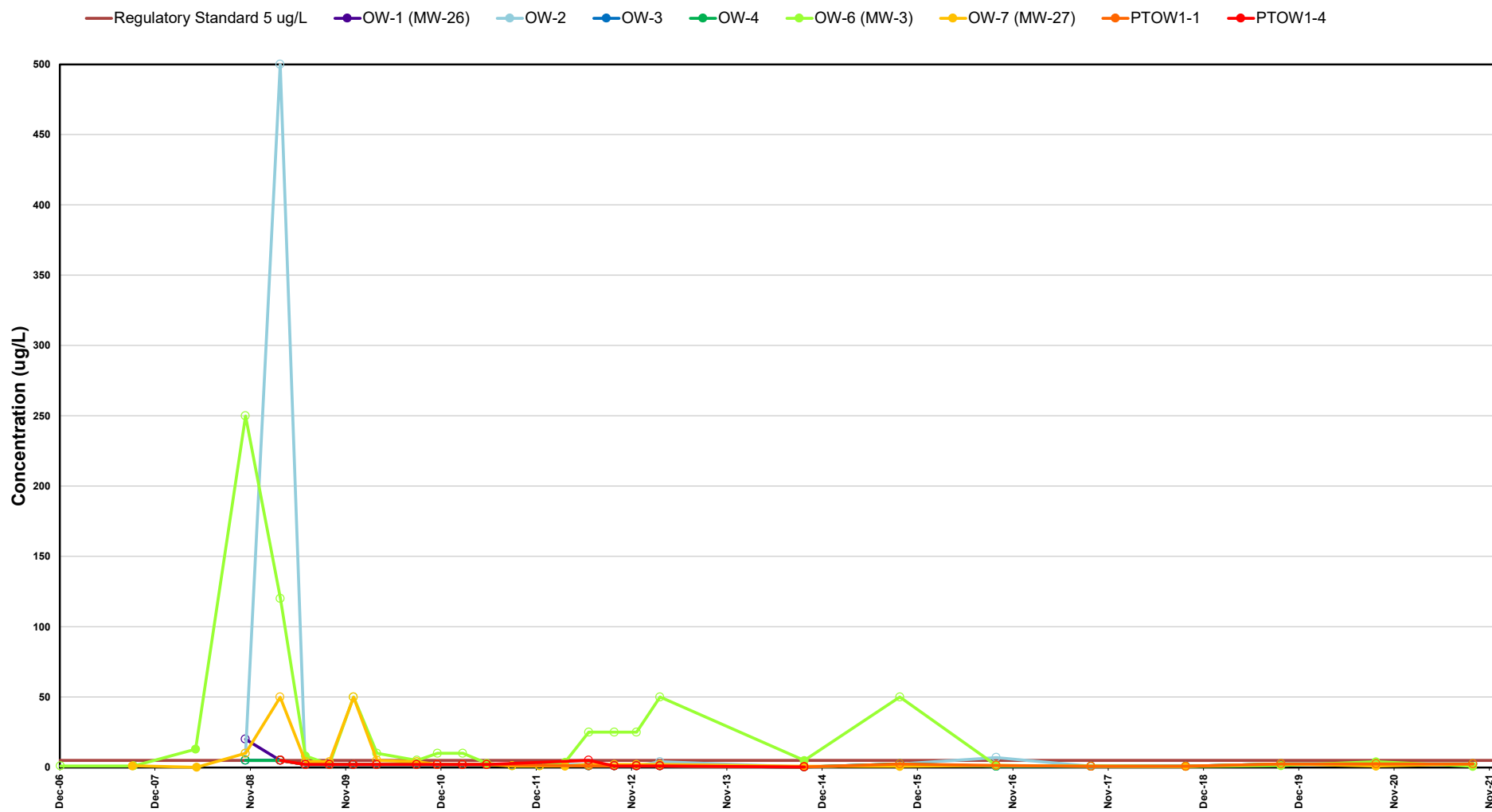
AOC-1



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
cis-1,2-Dichloroethene Trend

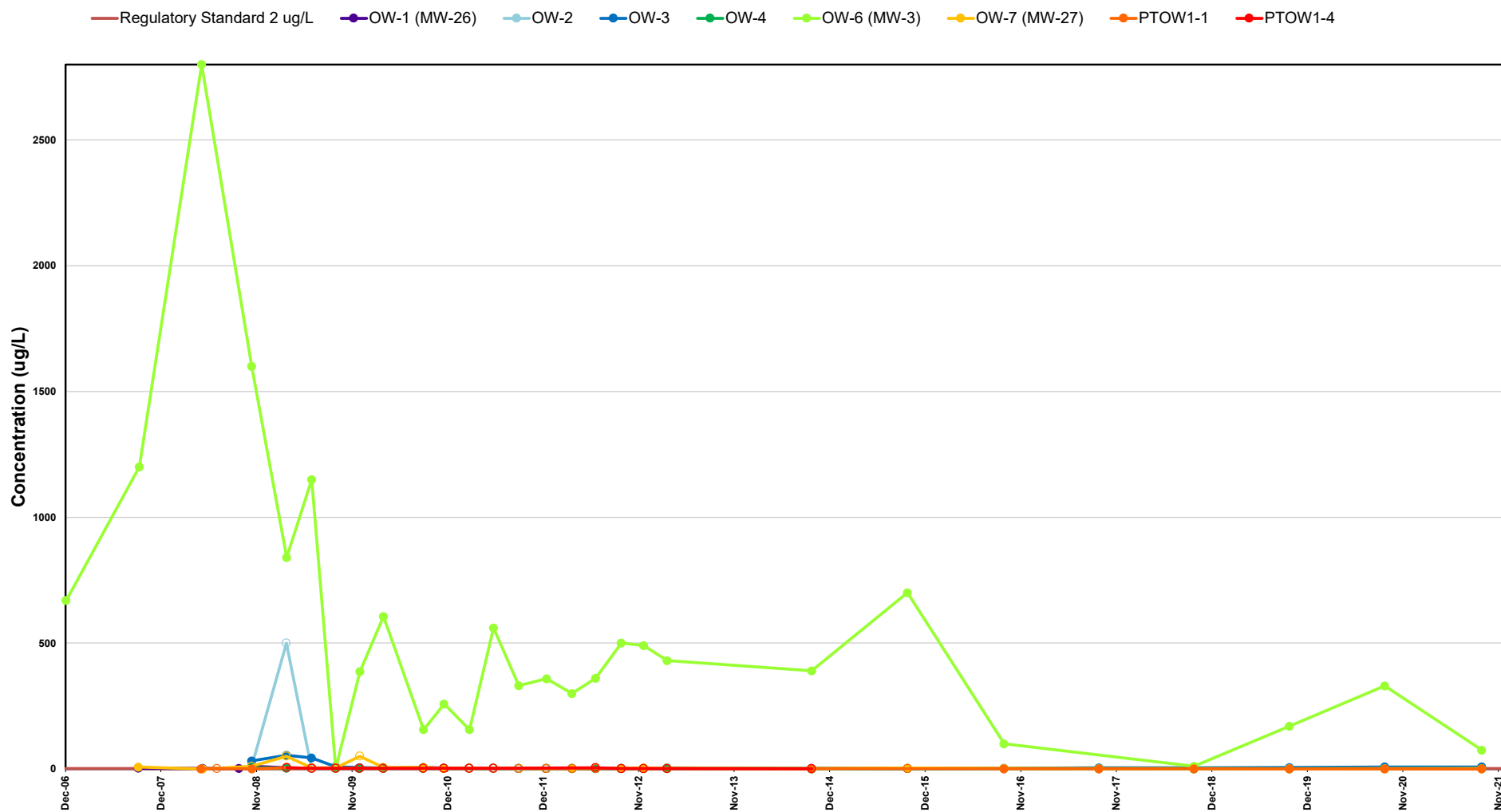
AOC-1



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
trans-1,2-Dichloroethene Trend

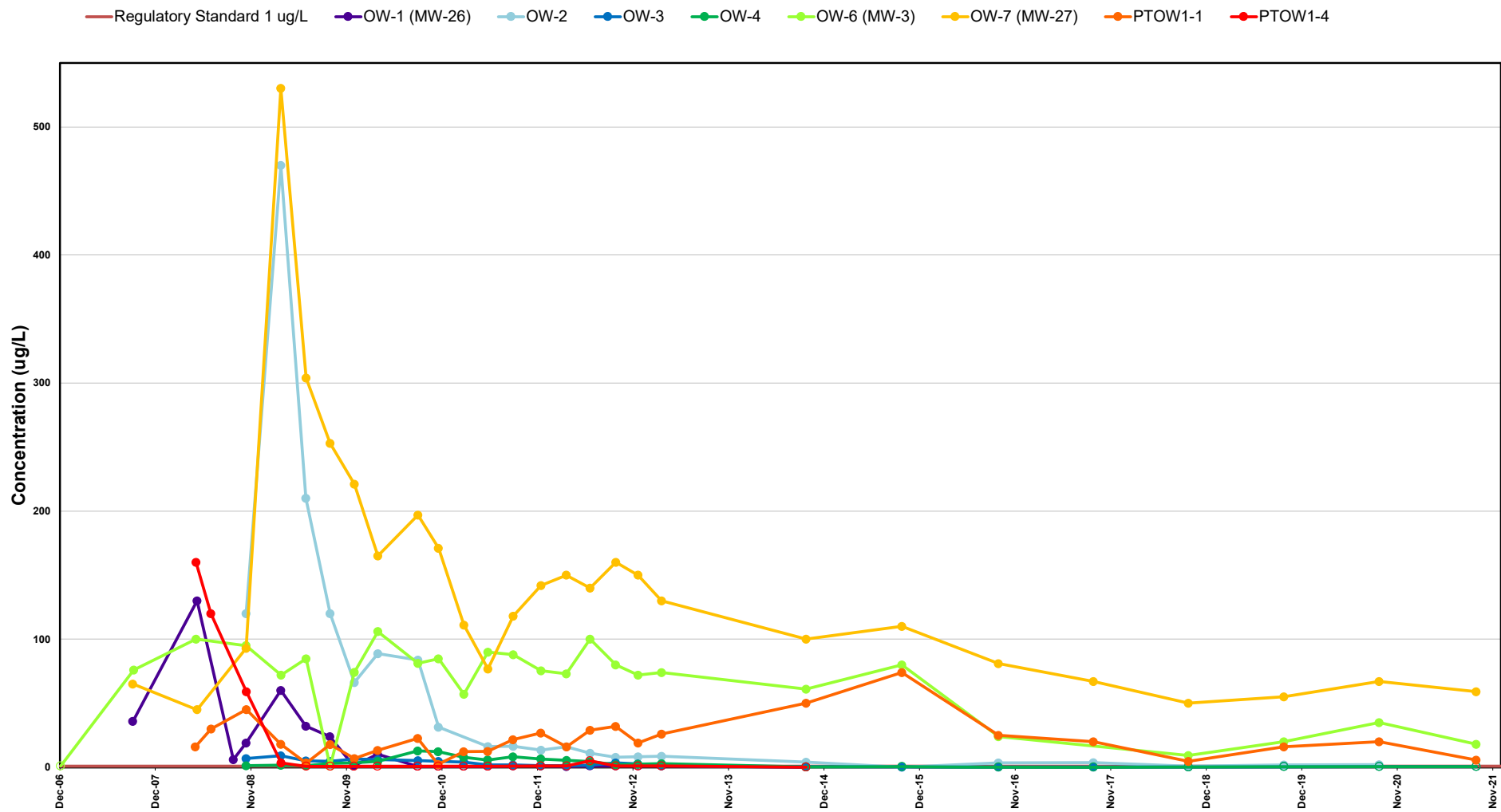
AOC-1



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Vinyl chloride Trend

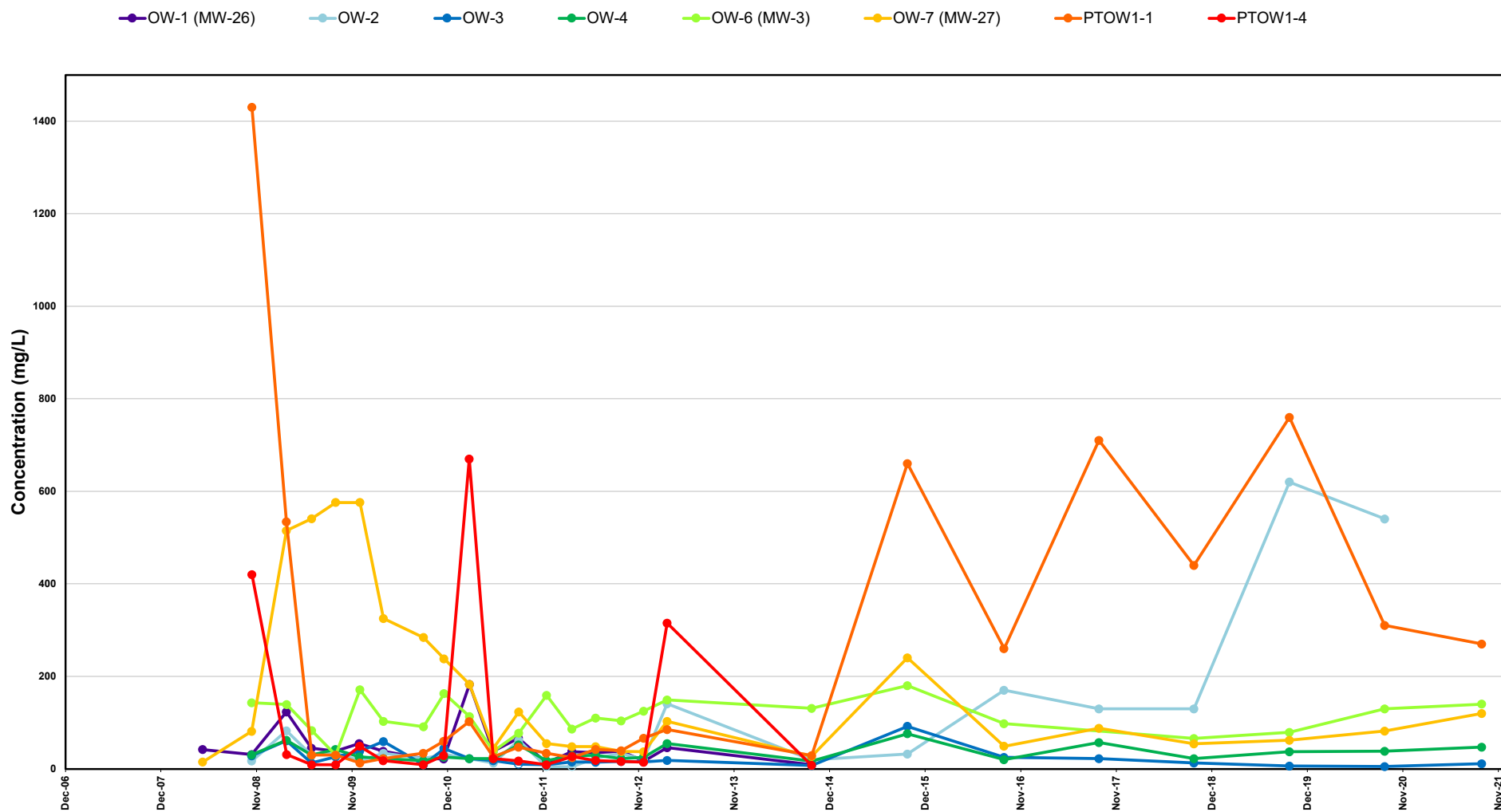
AOC-1



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Benzene Trend

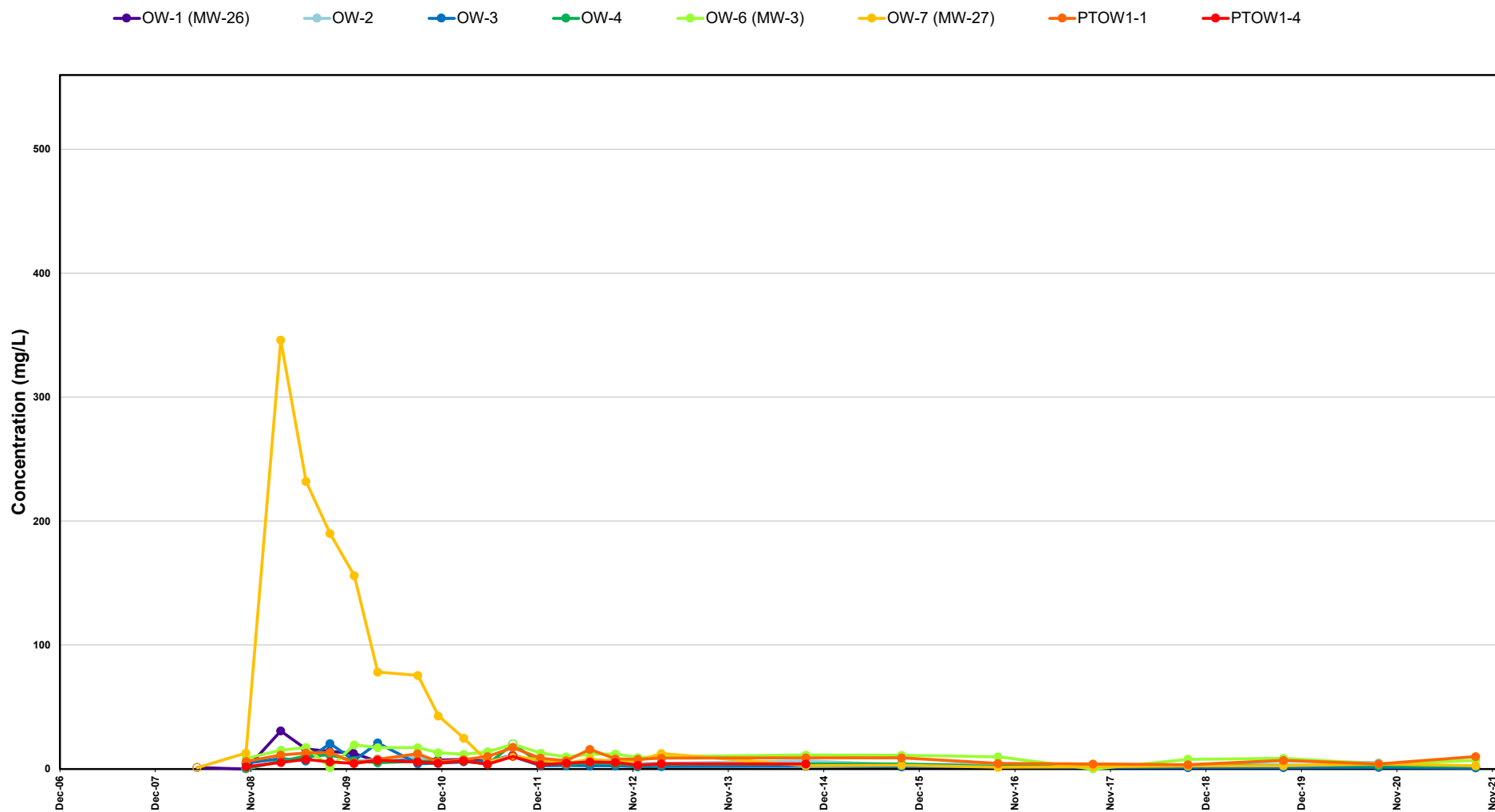
AOC-1



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Chemical oxygen demand (COD) Trend

AOC-1



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Total organic carbon (TOC) Trend

AOC-1

AOC-2



Table 4
Summary of AOC-2 Groundwater Monitoring Results

Garlock Sealing Technologies
Site No. 3 BCP Site
BCP Site #C859028

AOC-2

Sampling Location	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	1,1-Dichloroethane	1,1-Dichloroethene	1,4-Dioxane	2-Butanone (Methyl ethyl ketone) (MEK)	4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	Acetone	Benzene	Bromoform	Carbon disulfide	Chloroethane	Chloroform (Trichloromethane)	Methylene chloride	Toluene	Xylenes (total)
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Regulatory Standard	5	5	5	5	2	5	5	50	50	50	10.7	1	60	60	5	7	5	5	5
OW-1	11/10/10	-	<1	8.26	-	5.19	<1	-	-	<1	-	50.7	-	-	<1	-	-	-	-	-
OW-1	06/17/11	<0.5	3.1	17	<0.5	9.6	0.29	<0.5	-	<2	<2	<2	<0.5	<0.5	<0.5	<1	<0.5	<2	<0.5	<1
OW-1	10/04/11	<1	1.9	6.8	<1	<1	<1	<1	-	<10	5.3	150	<1	<1	0.51	<1	<1	<1	<1	<2
OW-1	03/22/12	-	<1	<1	-	<1	<1	-	-	<1	-	<1	-	-	<1	-	-	-	-	-
OW-1	06/21/12	<100	<100	<100	<100	<100	<100	<100	-	<1,000	<500	<1,000	<100	<100	<100	<100	<100	<100	<100	<200
OW-1	09/27/12	<4	<4	<4	<4	<4	<4	<4	-	<40	<20	35 J	<4	<4	<4	<4	<4	<4	<4	<8
OW-1	12/20/12	<4	<4	<4	<4	<4	<4	<4	-	<40	<20	23 J	<4	<4	2.7 J	<4	<4	<4	<4	<8
OW-1	03/20/13	<1	<1	5.8	<1	0.97 J	0.73 J	<1	-	<10	<5	5 J	<1	<1	<1	<1	<1	<1	<1	<2
OW-1	06/18/13	<1	<1	6.7	<1	1.3	0.39 J	<1	-	<10	<5	<10	<1	<1	<1	<1	<1	<1	<1	<2
OW-1	09/18/13	<1	<1	6.5	<1	1.1	<1	<1	-	<10	<5	<10	<1	<1	<1	<1	<1	<1	<1	<2
OW-1	12/17/13	<1	<1	14	<1	3.6	<1	<1	-	<10	<5	<10	<1	<1	<1	<1	<1	<1	<1	<2
OW-1	03/25/14	<1	1.1	12	<1	3.3	<1	<1	-	<10	<5	<10	<1	<1	<1	<1	<1	<1	<1	<2
OW-1	06/25/14	<1	1.1	11	<1	3.6	<1	<1	-	<10	<5	<10	<1	<1	11	<1	<1	<1	<1	<2
OW-1	09/22/14	<0.3	2.1 J	24	0.41 J	6.7	0.51 J	<0.57	-	<0.81	<0.67	<1.3	<0.2	<0.42	<0.22	<0.24	<0.25	<0.32	<0.2	-
OW-1	12/04/14	<0.3	1.6	23	<0.33	9.6	0.51 J	<0.57	-	<0.81	<0.67	<1.3	<0.2	<0.42	<0.22	<0.24	<0.25	<0.6	<0.2	-
OW-1	03/23/15	<0.3	1.6	24	0.38 J	12	2.7	<0.57	-	<0.81	<0.67	2.6 J	<0.2	<0.42	0.23 J	<0.24	<0.25	<0.6	<0.2	-
OW-1	06/29/15	<0.3	2.2	77	1.6	55	18	<0.57	-	<0.81	<0.67	2.5 J	<0.2	<0.42	<0.22	<0.24	<0.25	<0.6	<0.2	-
OW-1	09/24/15	<0.5	1.1	17	<2.5	12	<2.5	<0.5	<250	<5	<5	<5	0.25 J	<2	<5	<2.5	<2.5	<2.5	<2.5	-
OW-1	12/21/15	<0.5	0.56	14	<2.5	13	<2.5	<0.5	<250	<5	<5	<5	<0.5	<2	<5	<2.5	<2.5	<2.5	<2.5	-
OW-1	03/24/16	<0.5	0.74	11	<2.5	9.2	<2.5	<0.5	<250	<5	<5	<5	<0.5	<2	<5	<2.5	<2.5	<2.5	<2.5	-
OW-1	06/22/16	<0.18	0.31 J	8.7	<0.7	10	<0.7	<0.14	<61	<1.9	<1	<1.5	<0.16	<0.65	<1	<0.7	<0.7	<0.7	<0.7	-
OW-1	09/28/16	<0.18	<0.18	7.3	<0.7	16	<0.7	<0.17	<61	<1.9	<1	<1.5	0.19 J	<0.65	<1	<0.7	<0.7	<0.7	<0.7	-
OW-1	12/22/16	<0.18	0.19 J	4.9	<0.7	8.7	<0.7	<0.17	<61	<1.9	<1	<1.5	<0.16	<0.65	<1	<0.7	<0.7	<0.7	<0.7	-
OW-1	03/21/17	<0.18	0.34 J	3.9	<0.7	6.6	<0.7	<0.17	<61	<1.9	<1	<1.5	<0.16	<0.65	<1	<0.7	<0.7	<0.7	<0.7	-
OW-1	06/28/17	<0.18	0.57	4.8	<0.7	8.4	<0.7	<0.17	<61	<1.9	<1	<1.5	<0.16	<0.65	<1	<0.7	<0.7	<0.7	<0.7	-
OW-1	09/26/17	<0.18	<0.18	3.2	<0.7	12	<0.7	<0.17	<61	<1.9	<1	<1.5	<0.16	<0.65	<1	<0.7	<0.7	<0.7	<0.7	-
OW-1	12/19/17	<0.18	0.19 J	2.5	<0.7	5.6	<0.7	<0.17	<61	<1.9	<1	<1.5	<0.16	<0.65	<1	<0.7	<0.7	<0.7	<0.7	-
OW-1	04/03/18	<0.18	0.2 J	2 J	<0.7	3.1	<0.7	<0.17	<61	<1.9	<1	<1.5	<0.16	<0.65	<1	<0.7	<0.7	<0.7	<0.7	-
OW-1	06/15/18	<0.18	0.37 J	4.2	<0.7	4.3	<0.7	<0.17	<61	<1.9	<1	<1.5	<0.16	<0.65	<1	<0.7	<0.7	<0.7	<0.7	-
OW-1	09/24/18	<0.18	<0.18	2.2 J	<0.7	4.5	<0.7	<0.17	<61	<1.9	<1	<1.5	<0.16	<0.65	<1	<0.7	<0.7	<0.7	<0.7	-
OW-1	12/19/18	<0.50	0.24 J	2.3 J	<2.5	4.6	<2.5	<0.50	<250	<5.0	<5.0	1.5 J	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-
OW-1	03/27/19	<0.50	0.25 J	1.1 J	<2.5	2.0	<2.5	<0.50	<250	<5.0	<5.0	<5.0	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-
OW-1	06/27/19	<0.50	0.52	2.3 J	<2.5	4.6	<2.5	<0.50	<250	<5.0	<5.0	<5.0	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-
OW-1	09/24/19	<0.50	0.22 J	2.3 J	<2.5	5.1	<2.5	<0.50	<250	<5.0	<5.0	4.8 J	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-
OW-1	12/19/19	<0.50	<0.50	1.1 J	<2.5	2.0	<2.5	<0.50	<250	<5.0	<5.0	3.7 J	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-
OW-1	03/24/20	<0.50	0.36 J	1.2 J	<2.5	1.8	<2.5	<0.50	<250	<5.0	<5.0	<5.0	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-
OW-1	06/23/20	<0.50	0.45 J	2.5	<2.5	3.4	<2.5	<0.50	<250	<5.0	<5.0	<5.0	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-
OW-1	09/22/20	<0.50	0.25 J	2.8	<2.5	12	<2.5	<0.50	<250	<5.0	<5.0	<5.0	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-
OW-1	12/15/20	<0.50	0.19 J	3.5	<2.5	10	<2.5	<0.50	<250	<5.0	<5.0	<5.0	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-
OW-1	03/30/21	<0.50	<0.50	2.0 J	<2.5	6.2	<2.5	<0.50	<250	<5.0	<5.0	<5.0	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-
OW-1	06/29/21	<0.50	0.37	3.0	<2.5	8.3	<2.5	<0.50	<250	<5.0	<5.0	<5.0	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-
OW-1	09/28/21	<0.50	0.36 J	2.1 J	<2.5	6.9	<2.5	<0.50	<250	<5.0	<5.0	2.4 J	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-
OW-1	12/21/21	<0.50	<0.50	0.94 J	<2.5	1.8	<2.5	<0.50	<250	<5.0	<5.0	<5.0	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-

Notes:
Only analytes that exceeded Class GA Regulatory Standards in samples taken from at least one monitoring well during at least one monitoring event are included here
Regulatory Standard - Class GA Groundwater Quality Standard or Guidance Value from NYSDEC Division of Water TOGS 1.1.1 (June 1998)
- Not detected above indicated laboratory reporting limit.
J estimated value
mg/L milligrams per liter
ug/L micrograms per liter
Bold and highlighted cells indicate an exceedance of Class GA Regulatory Standards



Table 4
Summary of AOC-2 Groundwater Monitoring Results

Garlock Sealing Technologies
Site No. 3 BCP Site
BCP Site #C859028

Sampling Location	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	1,1-Dichloroethane	1,1-Dichloroethene	1,4-Dioxane	2-Butanone (Methyl ethyl ketone) (MEK)	4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	Acetone	Benzene	Bromoform	Carbon disulfide	Chloroethane	Chloroform (Trichloromethane)	Methylene chloride	Toluene	Xylenes (total)
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Regulatory Standard	5	5	5	5	2	5	5	50	50	50	50	1	60	60	5	7	-	5	5
OW-2 (MW-41)	05/16/08	-	2,200	5,300	22	170	420	<1	-	-	-	<1	-	-	<1	-	-	-	-	26
OW-2 (MW-41)	11/10/10	-	1,130	2,390	26.4	177	167	38.3	-	-	-	<1	-	-	<1	-	-	-	-	<1
OW-2 (MW-41)	06/17/11	<50	1,100	4,300	<50	140	290	55	-	<200	<200	150	<50	<50	<50	<100	<50	<200	<50	<100
OW-2 (MW-41)	10/04/11	<80	260	5,700	<80	910	340	40	-	<800	<400	<800	<80	<80	<80	<80	<80	<80	<80	<160
OW-2 (MW-41)	10/27/11	<100	270	6,200	<100	620	360	<100	-	<1,000	<500	<1,000	<100	<100	<100	<100	<100	<100	<100	<200
OW-2 (MW-41)	03/22/12	-	230	9,000	23	880	470	64	-	-	-	49	-	-	0.44 J	-	-	-	-	<1
OW-2 (MW-41)	06/21/12	<1	200	6,100	18	790	380	44	-	<10	<5	19	<1	<1	2.3	<1	<1	<1	<1	<2
OW-2 (MW-41)	09/27/12	<5	100	4,000	13	900	290	34	-	<50	<25	<50	<5	<5	<5	<5	<5	<5	<5	<10
OW-2 (MW-41)	12/20/12	<80	130	5,000	<80	1,700	370	35 J	-	<800	<400	<800	<80	<80	<80	<80	<80	<80	<80	<160
OW-2 (MW-41)	03/20/13	<80	210	6,100	<80	1,100	370	53 J	-	<800	<400	<800	<80	<80	<80	<80	<80	<80	<80	<160
OW-2 (MW-41)	06/18/13	<80	100	4,900	<80	1,500	350	27 J	-	<800	<400	<800	<80	<80	<80	<80	<80	<80	<80	<160
OW-2 (MW-41)	09/18/13	<80	89	3,900	<80	990	240	<80	-	<800	<400	<800	<80	<80	<80	<80	<80	<80	<80	<160
OW-2 (MW-41)	12/17/13	<80	79 J	3,800	<80	1,300	250	<80	-	<800	<400	<800	<80	<80	<80	<80	<80	<80	<80	<160
OW-2 (MW-41)	03/25/14	<80	95	4,500	<80	1,500	280	<80	-	<800	<400	<800	<80	<80	<80	<80	<80	<80	<80	<160
OW-2 (MW-41)	06/25/14	<80	92	3,900	<80	1,300	250	23 J	-	<800	<400	<800	<80	<80	<80	<80	<80	<80	<80	<160
OW-2 (MW-41)	09/23/14	<7.5	39 J	2,700	18 J	1,000	190	25 J	-	<21	<17	<31	<5	<11	<5.5	<6	<6.3	<8	<5	-
OW-2 (MW-41)	12/04/14	<7.5	31	2,700	18 J	1,200	180	23 J	-	<21	<17	<31	<5	<11	<5.5	<6	<6.3	<15	<5	-
OW-2 (MW-41)	03/23/15	<1.5	6.6	640	4.2 J	300	86	4.3 J	-	<4.1	<3.4	<6.2	<1	<2.1	<1.1	<1.2	<1.3	<3	<1	-
OW-2 (MW-41)	06/29/15	<1.5	9.5	600	5.3	140	65	4 J	-	<4.1	<3.4	<6.2	<1	<2.1	<1.1	<1.2	1.3 J	<3	<1	-
OW-2 (MW-41)	09/24/15	<20	20	2,700	<100	1,500	190	18 J	<10,000	<200	<200	<200	<20	<80	<200	<100	<100	<100	<100	-
OW-2 (MW-41)	12/21/15	<20	34	2,800	<100	1,400	170	19 J	<10,000	<200	<200	<200	<20	<80	<200	<100	<100	<100	<100	-
OW-2 (MW-41)	03/24/16	<12	41	3,000	21 J	1,700	260	20	<6,200	<120	<120	<120	<12	<50	<120	<62	<62	<62	<62	-
OW-2 (MW-41)	06/22/16	<9	24 J	2,700	<35	1,500	200	15 J	<2,000	<97	<50	<73	<8	<32	<50	<35	<35	<35	<35	-
OW-2 (MW-41)	09/28/16	<9	16 J	2,300	<35	1,400	180	16 J	<3,000	<97	<50	<73	<8	<32	<50	<35	<35	<35	<35	-
OW-2 (MW-41)	12/22/16	<7.2	13 J	2,000	<28	1,900	180	13 J	<2,400	<78	<40	<58	<6.4	<26	<40	<28	<28	<28	<28	-
OW-2 (MW-41)	03/21/17	<4.5	9.4 J	1,500	<18	760	130	9.8 J	<1,500	<48	<25	<36	<4	<16	<25	<18	<18	<18	<18	-
OW-2 (MW-41)	06/28/17	<3.6	18	2,200	18 J	1,200	170	14	<1,200	<39	<20	<29	<3.2	<13	100	<14	<14	<14	<14	-
OW-2 (MW-41)	09/26/17	<1.8	12	1,900	26	1,600	180	15	<610	<19	<10	<15	<1.6	<6.5	<10	<7	<7	<7	<7	-
OW-2 (MW-41)	12/19/17	<3.6	13	2,200	18 J	1,500	170	12	<1,200	<39	<20	<29	<3.2	<13	<20	<14	<14	<14	<14	-
OW-2 (MW-41)	04/03/18	<0.9	10	590	<3.5	150	77	5.2	<300	<9.7	<5	<7.3	<0.8	<3.2	<5	<3.5	<3.5	<3.5	<3.5	-
OW-2 (MW-41)	06/15/18	<4.5	8.2 J	2,200	35 J	740	140	15	<1,500	<48	<25	<36	<4	<16	<25	<18	<18	<18	<18	-
OW-2 (MW-41)	09/24/18	<3.6	9.3 J	2,100	20 J	1,300	180	14	<1,200	<39	<20	<29	<3.2	<13	<20	<14	<14	<14	<14	-
OW-2 (MW-41)	12/19/18	<5.0	8.5	1,700	20 J	1,500	160	11	<2,500	<50	<50	<50	<5.0	<20	<50	<25	<25	<25	<25	-
OW-2 (MW-41)	03/27/19	<10	4.9 J	2,100	19 J	1,400	170	12	<5,000	<100	<100	<100	<10	<40	<100	<50	<50	<50	<50	-
OW-2 (MW-41)	06/27/19	<5.0	5.2	2,200	26	1,400	180	16	<2,500	<50	<50	<50	<5.0	<20	<50	<25	<25	<25	<25	-
OW-2 (MW-41)	09/24/19	<10	5.2 J	1,900	26 J	1,200	170	11	<5,000	<100	<100	<100	<10	<40	<100	<50	<50	<50	<50	-
OW-2 (MW-41)	12/19/19	<2.5	8.3	630	<12	100	77	6.4	<1,200	<25	<25	12 J	<2.5	<10	<25	<12	<12	<12	<12	-
OW-2 (MW-41)	03/24/20	<2.0	4.3	630	4.7 J	240	72	4.6	<1,000	<20	<20	<20	<2.0	<8.0	<20	<10	<10	<10	<10	-
OW-2 (MW-41)	06/23/20	<5.0	7.0	1,800	20 J	1,000	160	13	<2,500	<50	<50	<50	<5.0	<20	<50	<25	<25	<25	<25	-
OW-2 (MW-41)	09/22/20	<5.0	4.1 J	1,800	24 J	1,700	170	21	<2,500	<50	<50	<50	<5.0	<20	<50	<25	<25	<25	<25	-
OW-2 (MW-41)	12/15/20	<5.0	4.9 J	1,700	20 J	1,400	180	10	<2,500	<50	<50	<50	<5.0	<20	<50	<25	<25	<25	<25	-
OW-2 (MW-41)	03/30/21	<5.0	13	980	<25	340	110	6.0	<2,500	<50	<50	<50	<5.0	<20	<50	<25	<25	<25	<25	-
OW-2 (MW-41)	06/29/21	<5.0	4.8	1,700	20	1,100	160	10	<2,500	<50	<50	<50	<5.0	<20	<50	<25	<25	<25	<25	-
OW-2 (MW-41)	09/28/21	<5.0	3.2 J	1,600	21 J	1,500	190	9.3	<2,500	<50	<50	<50	<5.0	<20	<50	<25	<25	<25	<25	-
OW-2 (MW-41)	12/21/21	<2.5	2.6	880	6.2 J	380	96	4.1	<1,200	<25	<25	<25	<2.5	<10	<25	<12	<12	<12	<12	-

Notes:
Only analytes that exceeded Class GA Regulatory Standards in samples taken from at least one monitoring well during at least one monitoring event are included here
Regulatory Standard - Class GA Groundwater Quality Standard or Guidance Value from NYSDEC Division of Water TOGS 1.1.1 (June 1998)
- NW Not detected above indicated laboratory reporting limit.
J estimated value
mg/L milligrams per liter
ug/L micrograms per liter
Bold and highlighted cells indicate an exceedance of Class GA Regulatory Standards



Table 4
Summary of AOC-2 Groundwater Monitoring Results

Garlock Sealing Technologies
Site No. 3 BCP Site
BCP Site #C859028

Sampling Location	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	1,1-Dichloroethane	1,1-Dichloroethene	1,4-Dioxane	2-Butanone (Methyl ethyl ketone) (MEK)	4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	Acetone	Benzene	Bromoform	Carbon disulfide	Chloroethane	Chloroform (Trichloromethane)	Methylene chloride	Toluene	Xylenes (total)
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Regulatory Standard	5	5	5	5	2	5	5		50		50	1	60	60	5	7	<1	5	5
OW-3 (AOC-2)	11/10/10	-	7,720	38,800	202	433	2,770	716	-	<1	-	15	<1	-	3.43	-	<1	<1	2.6	-
OW-3 (AOC-2)	06/17/11	<250	6,100	38,000	120	330	2,600	230	-	<1,000	<1,000	<1,000	<250	<250	<250	<500	83	960	<250	<500
OW-3 (AOC-2)	10/04/11	<500	2,800	26,000	<500	3,300	2,000	<500	-	<5,000	<2,500	1,700	<500	<500	<500	<500	<500	<500	<500	<1,000
OW-3 (AOC-2)	10/27/11	<400	2,900	28,000	<400	5,500	2,200	260	-	<4,000	<2,000	2,400	<400	<400	<400	<400	<400	<400	<400	<800
OW-3 (AOC-2)	03/22/12	-	2,100	20,000	130	3,700	1,600	150	-	64	-	1,400 J	0.46 J	-	6.2	-	<1	<1	1.4	-
OW-3 (AOC-2)	06/21/12	<200	1,900	12,000	<200	5,800	1,800	130 J	-	<2,000	<1,000	1,500 J	<200	<200	<200	<200	<200	<200	<200	<400
OW-3 (AOC-2)	09/27/12	<20	800	9,200	83	5,400	1,600	64	-	55 J	<100	660	<20	<20	5.4 J	<20	<20	<20	<20	<40
OW-3 (AOC-2)	12/20/12	<130	710	8,100	<130	5,400	1,600	74 J	-	<1,300	<630	660 J	<130	<130	33 J	<130	<130	<130	<130	<250
OW-3 (AOC-2)	03/20/13	<130	880	10,000	<130	5,900	1,400	120 J	-	<1,300	<630	490 J	<130	<130	<130	<130	<130	<130	<130	<250
OW-3 (AOC-2)	06/18/13	<200	790	10,000	<200	7,700	1,600	110 J	-	<2,000	<1,000	<2,000	<200	<200	<200	<200	<200	<200	<400	
OW-3 (AOC-2)	09/18/13	<100	380	6,200	<100	3,600	1,300	<100	-	<1,000	<500	<1,000	<100	<100	<100	<100	<100	<100	<200	
OW-3 (AOC-2)	12/17/13	<100	320	5,300	<100	4,000	1,100	46 J	-	<1,000	<500	<1,000	<100	<100	<100	<100	<100	<100	<200	
OW-3 (AOC-2)	03/25/14	<100	560	9,100	<100	5,600	1,200	<100	-	<1,000	<500	<1,000	<100	<100	<100	<100	<100	<100	<200	
OW-3 (AOC-2)	06/25/14	<100	360	6,800	<100	4,000	1,100	<100	-	<1,000	<500	<1,000	<100	<100	<100	<100	<100	<100	<200	
OW-3 (AOC-2)	09/23/14	<7.5	160	3,200	66 J	2,400	870	43 J	-	<21	<17	54 J	<5	<11	22 J	<6	<6.3	<8	<5	-
OW-3 (AOC-2)	12/04/14	<7.5	140	3,100	84	2,700	940	41	-	<21	<17	80 J	<5	<11	46	<6	<6.3	<15	<5	-
OW-3 (AOC-2)	03/23/15	<7.5	250	5,700 J	92	5,200 J	1,200	77	-	<21	<17	88 J	<5	<11	<5.5	<6	<6.3	<15	<5	-
OW-3 (AOC-2)	06/29/15	<15	230	6,100	78	4,400	890	87	-	<41	<34	<62	<10	<21	<11	<12	18 J	<30	<10	-
OW-3 (AOC-2)	09/24/15	<25	110	4,300	75 J	2,600	1,000	9.6 J	2,800 J	<250	<250	160 J	<25	<100	<250	<120	<120	<120	<120	-
OW-3 (AOC-2)	12/21/15	<25	66	2,800	58 J	2,100	810	<25	<12,000	<250	<250	<250	<25	<100	<250	<120	<120	<120	<120	-
OW-3 (AOC-2)	03/24/16	<20	120	4,500	75 J	5,100	1,100	40	<10,000	<200	<200	<200	<20	<80	<200	<100	<100	<100	<100	-
OW-3 (AOC-2)	06/22/16	<9	69	3,300	60 J	3,600	880	8.4 J	<2,000	<97	<50	<73	<8	<32	<50	<35	<35	<35	<35	-
OW-3 (AOC-2)	09/28/16	<7.2	31	1,200	72 J	1,400	830	8 J	<2,400	<78	<40	<58	<6.4	<26	<40	<28	<28	<28	<28	-
OW-3 (AOC-2)	12/22/16	<18	72	4,300	77 J	6,200	930	33 J	<6,100	<190	<100	<150	<16	<65	<100	<70	<70	<70	<70	-
OW-3 (AOC-2)	03/21/17	<9	39	4,500	54 J	7,100	730	27	<3,000	<97	<50	<73	<8	<32	<50	<35	<35	<35	<35	-
OW-3 (AOC-2)	06/28/17	<7.2	24	2,600	40 J	4,400	550	13 J	<2,400	<78	<40	<58	<6.4	<26	<40	<28	<28	<28	<28	-
OW-3 (AOC-2)	09/26/17	<1.8	10	1,700	50	3,400	700	10	<610	<19	<10	<15	<1.6	<6.5	<10	<7	<7	<7	<7	-
OW-3 (AOC-2)	12/19/17	<7.2	8.2 J	2,000	34 J	5,200	520	<6.8	<2,400	<78	<40	<58	<6.4	<26	<40	<28	<28	<28	<28	-
OW-3 (AOC-2)	04/03/18	<4.5	22	2,800	39 J	6,500	580	18	<1,500	<48	<25	<36	<4	<16	<25	<18	<18	<18	<18	-
OW-3 (AOC-2)	06/15/18	<4.5	7.5 J	2,000	42 J	3,100	380	7.2 J	<1,500	<48	<25	<36	<4	<16	<25	<18	<18	<18	<18	-
OW-3 (AOC-2)	09/24/18	<1.8	12	3,000	54	4,600	690	13	<610	<19	<10	<15	<1.6	<6.5	<10	<7	<7	<7	<7	-
OW-3 (AOC-2)	12/19/18	<10	8.5 J	2,500	46 J	5,900	610	10	<5,000	<100	<100	<100	<10	<40	<100	<50	<50	<50	<50	-
OW-3 (AOC-2)	03/27/19	<10	11	2,700	34 J	4,200	500	13	<5,000	<100	<100	<100	<10	<40	<100	<50	<50	<50	<50	-
OW-3 (AOC-2)	06/27/19	<5.0	6.8	1,900	35	4,700	470	8.8	<2,500	<50	<50	<50	<5.0	<20	<50	<25	<25	<25	<25	-
OW-3 (AOC-2)	09/24/19	<12	5.5 J	2,800	45 J	5,400	640	10 J	<6,200	<120	<120	<120	<12	<50	<120	<62	<62	<62	<62	-
OW-3 (AOC-2)	12/19/19	<12	12	2,600	45 J	5,400	560	14	<6,200	<120	<120	<120	<12	<50	<120	<62	<62	<62	<62	-
OW-3 (AOC-2)	03/24/20	<12	12	2,100	32 J	4,300	410	14	<6,200	<120	<120	<120	<12	<50	<120	<62	<62	<62	<62	-
OW-3 (AOC-2)	06/23/20	<10	<10	1,900	29 J	5,000	380	<10	<5,000	<100	<100	<100	<10	<40	<100	<50	<50	<50	<50	-
OW-3 (AOC-2)	09/22/20	<10	<10	1,900	43 J	5,000	600	14	<5,000	<100	<100	<100	<10	<40	<100	<50	<50	<50	<50	-
OW-3 (AOC-2)	12/15/20	<5.0	3.1 J	1,700	37	5,200	600	5.3	<2,500	<50	<50	<50	<5.0	<20	<50	<25	<25	<25	<25	-
OW-3 (AOC-2)	03/30/21	<10	5.1 J	2,300	38 J	4,500	590	10	<5,000	<100	<100	<100	<10	<40	<100	<50	<50	<50	<50	-
OW-3 (AOC-2)	06/29/21	<5.0	<5.0	1,200	26	4,300	380	3.4	<2,500	<50	<50	<50	<5.0	<20	<50	<25	<25	<25	<25	-
OW-3 (AOC-2)	09/28/21	<5.0	2.5 J	1,500	31	4,100	550	4.1 J	<2,500	<50	<50	<50	<5.0	<20	<50	<25	<25	<25	<25	-
OW-3 (AOC-2)	12/21/21	<25	<25	1,100	<120	4,900	370	<25	<12,000	<250	<250	<250	<25	<100	<250	<120	<120	<120	<120	-

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J estimated value
mg/L milligrams per liter
ug/L micrograms per liter
Bold and highlighted cells indicate an exceedance of Class GA Regulatory Standards



Table 4
Summary of AOC-2 Groundwater Monitoring Results

Garlock Sealing Technologies
Site No. 3 BCP Site
BCP Site #C859028

Sampling Location	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	1,1-Dichloroethane	1,1-Dichloroethene	1,4-Dioxane	2-Butanone (Methyl ethyl ketone) (MEK)	4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	Acetone	Benzene	Bromoform	Carbon disulfide	Chloroethane	Chloroform (Trichloromethane)	Methylene chloride	Toluene	Xylenes (total)
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Regulatory Standard	5	5	5	5	2	5	5	5	50	50	50	1	60	60	5	7	5	5	5
OW-4 (MW-28)	11/10/10	<1	7,720	38,800	202	433	2,770	716	-	<1	-	15	<1	-	3.43	-	-	<1	2.6	-
OW-4 (MW-28)	06/17/11	28	28	850	4.9	130	39	<10	-	<40	<40	<40	<10	<10	<10	<20	3.2	32	<10	<20
OW-4 (MW-28)	03/22/12	<1	2,100	20,000	130	3,700	1,600	150	-	64	-	1,400	0.46	-	6.2	-	-	<1	1.4	-
OW-4 (MW-28)	06/21/12	<10	180	670	<10	10	180	5.2 J	-	<100	<50	<100	<10	<10	8.3 J	<10	<10	<10	<10	<20
OW-4 (MW-28)	09/27/12	<5	98	410	<5	<5	120	2.4 J	-	<50	<25	<50	<5	<5	3.3 J	<5	<5	<5	<5	<10
OW-4 (MW-28)	12/21/12	<5	120	730	<5	14	150	4.9 J	-	<50	<25	<50	<5	<5	4 J	<5	<5	<5	<5	<10
OW-4 (MW-28)	03/20/13	<10	92	710	<10	91	140	4.9 J	-	<100	<50	<100	<10	<10	<10	<10	<10	<10	<10	<20
OW-4 (MW-28)	06/18/13	<10	56	420	<10	<10	140	<10	-	<100	<50	<100	<10	<10	<10	<10	<10	<10	<10	<20
OW-4 (MW-28)	09/18/13	<10	31	310	<10	<10	110	<10	-	<100	<50	<100	<10	<10	<10	<10	<10	<10	<10	<20
OW-4 (MW-28)	12/17/13	<10	33	430	<10	<10	120	<10	-	<100	<50	<100	<10	<10	<10	<10	<10	<10	<10	<20
OW-4 (MW-28)	03/25/14	<10	26	440	<10	65	140	<10	-	<100	<50	<100	<10	<10	<10	<10	<10	<10	<10	<20
OW-4 (MW-28)	06/25/14	<2	10	160	2.6	<2	130	<2	-	<20	<10	8.5 J	<2	<2	<2	<2	<2	<2	<2	<4
OW-4 (MW-28)	03/23/14	<0.3	<0.22	<0.3	<0.33	<0.32	110	<0.57	-	<0.81	<0.67	5.1 J	0.71 J	<0.42	0.41 J	<0.24	<0.25	<0.32	<0.2	-
OW-4 (MW-28)	12/04/14	<0.3	2	27	<0.33	<0.32	110	<0.57	-	<0.81	<0.67	3.1 J	0.8 J	<0.42	0.36 J	<0.24	<0.25	<0.6	<0.2	-
OW-4 (MW-28)	03/23/15	<0.3	<0.22	<0.3	<0.33	<0.32	130	<0.57	-	1.3 J	<0.67	6.6	0.54 J	0.59 J	0.26 J	<0.24	<0.25	<0.6	<0.2	-
OW-4 (MW-28)	06/29/15	<0.3	8.1	300	3	170	93	1.4	-	<0.81	<0.67	2.4 J	0.4 J	<0.42	<0.22	<0.24	<0.25	<0.6	<0.2	-
OW-4 (MW-28)	09/24/15	<2	5.6	340	4.8 J	50	100	0.95 J	<1,000	<20	<20	11 J	<2	<8	<20	<10	<10	<10	<10	-
OW-4 (MW-28)	12/21/15	<2.5	4.4	330	3.7 J	540	94	1.1 J	<1,200	<25	<25	<25	<2.5	<10	<25	<12	<12	<12	<12	-
OW-4 (MW-28)	03/24/16	<0.5	3.8	170	1.2 J	<1	130	0.4 J	<250	<5	<5	1.6 J	0.38 J	<2	<5	0.78 J	<2.5	<2.5	<2.5	-
OW-4 (MW-28)	06/22/16	<0.36	3.5	240	3.1 J	400	97	0.56 J	<82	<3.9	<2	3 J	<0.32	<1.3	<2	<1.4	<1.4	<1.4	<1.4	-
OW-4 (MW-28)	09/28/16	<0.72	3.2	260	3.1 J	190	100	0.82 J	<240	<7.8	<4	<5.8	<0.64	<2.6	<4	<2.8	<2.8	<2.8	<2.8	-
OW-4 (MW-28)	12/22/16	<0.72	2.9	310	3.3 J	720	85	1 J	<240	<7.8	<4	<5.8	<0.64	<2.6	<4	<2.8	<2.8	<2.8	<2.8	-
OW-4 (MW-28)	03/21/17	<0.9	2.2 J	210	<3.5	560	79	<0.84	<300	<9.7	<5	<7.3	<0.8	<3.2	<5	<3.5	<3.5	<3.5	<3.5	-
OW-4 (MW-28)	06/28/17	<0.9	1.2 J	130	<3.5	520	59	<0.84	<300	<9.7	<5	<7.3	<0.8	<3.2	<5	<3.5	<3.5	<3.5	<3.5	-
OW-4 (MW-28)	09/26/17	<0.9	1.2 J	120	<3.5	750	70	<0.84	<300	<9.7	<5	16 J	<0.8	<3.2	<5	<3.5	<3.5	<3.5	<3.5	-
OW-4 (MW-28)	12/19/17	<1.8	<1.8	140	<7	810	64	<1.7	<610	<19	<10	<15	<1.6	<6.5	<10	<7	<7	<7	<7	-
OW-4 (MW-28)	04/03/18	<0.9	1 J	94	<3.5	680	60	<0.84	<300	<9.7	<5	<7.3	<0.8	<3.2	<5	<3.5	<3.5	<3.5	<3.5	-
OW-4 (MW-28)	06/15/18	<0.72	1.1 J	98	<2.8	420	46	<0.68	<240	<7.8	<4	<5.8	<0.64	<2.6	<4	<2.8	<2.8	<2.8	<2.8	-
OW-4 (MW-28)	09/24/18	<0.9	1.1 J	100	<3.5	630	72	<0.84	<300	<9.7	<5	<7.3	<0.8	<3.2	<5	<3.5	<3.5	<3.5	<3.5	-
OW-4 (MW-28)	12/19/18	<2.5	1.4 J	130	<12	680	60	<2.5	<1,200	<25	<25	<25	<2.5	<10	<25	<12	<12	<12	<12	-
OW-4 (MW-28)	03/27/19	<2.5	1.2 J	120	<12	800	66	<2.5	<1,200	<25	<25	<25	<2.5	<10	<25	<12	<12	<12	<12	-
OW-4 (MW-28)	06/27/19	<2.5	1.3 J	98	<12	530	61	<2.5	<1,200	<25	<25	<25	<2.5	<10	<25	<12	<12	<12	<12	-
OW-4 (MW-28)	09/24/19	<2.5	<2.5	75	<12	660	72	<2.5	<1,200	<25	<25	<25	<2.5	<10	<25	<12	<12	<12	<12	-
OW-4 (MW-28)	12/19/19	<0.50	1.1	66	<2.5	730	49	<0.50	<250	<5.0	<5.0	6.0	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-
OW-4 (MW-28)	03/24/20	<1.2	0.82 J	52	<6.2	390	46	<1.2	<620	<12	<12	<12	<1.2	<5.0	<12	<6.2	<6.2	<6.2	<6.2	-
OW-4 (MW-28)	06/23/20	<1.0	0.60 J	42	<5.0	310	56	<1.0	<500	<10	<10	<10	<1.0	<4.0	<10	<5.0	<5.0	<5.0	<5.0	-
OW-4 (MW-28)	09/22/20	<2.0	0.75 J	48	<10	720	70	<2.0	<1,000	<20	<20	<20	<2.0	<8.0	<20	<10	<10	<10	<10	-
OW-4 (MW-28)	12/15/20	<2.0	0.75 J	53	<10	470	69	<2.0	<1,000	<20	<20	<20	<2.0	<8.0	<20	<10	<10	<10	<10	-
OW-4 (MW-28)	03/30/21	<0.50	0.72	48	<2.5	340	56	<0.50	<250	<5.0	<5.0	<5.0	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-
OW-4 (MW-28)	06/29/21	<0.50	0.58	30	<2.5	270	60	<0.50	<250	<5.0	<5.0	<5.0	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-
OW-4 (MW-28)	09/28/21	<0.50	0.70	34	<2.5	260	66	<0.50	<250	<5.0	<5.0	<5.0	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-
OW-4 (MW-28)	12/21/21	<1.0	0.94 J	32	<5.0	320	53	<1.0	<500	<10	<10	<10	<1.0	<4.0	<10	<5.0	<5.0	<5.0	<5.0	-

Notes:
Only analytes that exceeded Class GA Regulatory Standards in samples taken from at least one monitoring well during at least one monitoring event are included here
Regulatory Standard - Class GA Groundwater Quality Standard or Guidance Value from NYSDEC Division of Water TOGS 1.1.1 (June 1998)
-# Not detected above indicated laboratory reporting limit.
J estimated value
mg/L milligrams per liter
ug/L micrograms per liter
Bold and highlighted cells indicate an exceedance of Class GA Regulatory Standards



Table 4
Summary of AOC-2 Groundwater Monitoring Results

Garlock Sealing Technologies
Site No. 3 BCP Site
BCP Site #C859028

Sampling Location	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	1,1-Dichloroethane	1,1-Dichloroethene	1,4-Dioxane	2-Butanone (Methyl ethyl ketone) (MEK)	4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	Acetone	Benzene	Bromoform	Carbon disulfide	Chloroethane	Chloroform (Trichloromethane)	Methylene chloride	Toluene	Xylenes (total)
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Regulatory Standard	5	5	5	5	2	5	5	5	50	50	50	1	60	60	5	7	5	5	5
OW-5	11/10/10	-	110	651	4.08	64.1	19.7	<1	-	<1	-	<1	-	-	<1	-	-	-	-	-
OW-5	06/17/11	<5	77	850	5.2	120	30	5.8	-	<20	<20	6.4	<5	<5	<5	<10	1.6	<20	<5	<10
OW-5	10/04/11	<1	<1	<1	<1	<1	3.8	<1	-	2.2	<5	26	<1	<1	0.42	<1	<1	<1	<1	<2
OW-5	03/22/12	-	28	210	<1	79	29	<1	-	<1	-	<1	-	-	<1	-	-	-	-	-
OW-5	06/21/12	<1	37	100	4.2	37	43	1.6	-	<10	<5	<10	<1	<1	1.1	<1	<1	<1	<1	<2
OW-5	09/27/12	<5	31	260	4.7 J	130	49	1.7 J	-	<50	<25	<50	<5	<5	1.6 J	<5	<5	<5	<5	<10
OW-5	12/21/12	<5	39	560	5.8	170	71	4.2 J	-	<50	<25	<50	<5	<5	<5	<5	<5	<5	<5	<10
OW-5	03/20/13	<10	16	470	<10	260	66	2.9 J	-	<100	<50	<100	<10	<10	<10	<10	<10	<10	<10	<20
OW-5	06/18/13	<10	14	470	<10	340	69	<10	-	<100	<50	<100	<10	<10	<10	<10	<10	<10	<10	<20
OW-5	09/18/13	<5	4.3 J	430	5	350	68	<5	-	<50	<25	<50	<5	<5	<5	<5	<5	<5	<5	<10
OW-5	12/17/13	<10	<10	500	<10	420	76	<10	-	<100	<50	<100	<10	<10	<10	<10	<10	<10	<10	<20
OW-5	03/25/14	<5	2.8 J	410	<5	480	70	<5	-	<50	<25	<50	<5	<5	<5	<5	<5	<5	<5	<10
OW-5	06/25/14	<5	<5	260	<5	370	51	<5	-	<50	<25	<50	<5	<5	8.6	<5	<5	<5	<5	<10
OW-5	09/23/14	<0.3	1.2 J	280	3 J	420	61	0.78 J	-	<0.81	<0.67	<1.3	<0.2	<0.42	<0.22	<0.24	<0.25	<0.32	<0.2	-
OW-5	12/04/14	<0.75	1.1 J	270	2.7	450	54	<1.5	-	<2.1	<1.7	<3.1	<0.5	<1.1	<0.55	<0.6	<0.63	1.9 J	<0.5	-
OW-5	03/23/15	<0.6	1.1 J	230	2.3	470 J	61	<1.2	-	<1.7	<1.4	2.7 J	<0.4	<0.84	<0.44	<0.48	<0.5	<1.2	<0.4	-
OW-5	06/29/15	<0.75	0.65 J	170	2.5	380	43	<1.5	-	<2.1	<1.7	<3.1	<0.5	<1.1	0.73 J	<0.6	0.78 J	<1.5	<0.5	-
OW-5	09/24/15	<1	0.42 J	200	1.6 J	730	62	<1	<500	<10	<10	3.6 J	<1	<4	<10	<5	<5	<5	<5	-
OW-5	12/21/15	<2	<2	220	<10	600	57	<2	<1,000	<20	<20	<20	<2	<8	<20	<10	<10	<10	<10	-
OW-5	03/24/16	<1	0.57 J	180	1.4 J	630	62	<1	<500	<10	<10	<10	<1	<4	<10	<5	<5	<5	<5	-
OW-5	06/22/16	<0.18	0.28 J	100	1 J	680	57	<0.14	<41	<1.9	<1	1.6 J	<0.16	<0.65	<1	1.3 J	<0.7	<0.7	<0.7	-
OW-5	09/28/16	<0.45	<0.44	150	<1.8	530	71	<0.42	<150	<4.8	<2.5	<3.6	<0.4	<1.6	<2.5	<1.8	<1.8	<1.8	<1.8	-
OW-5	12/22/16	<0.18	0.41 J	130	1.1 J	360	50	0.18 J	<61	<1.9	<1	<1.5	<0.16	<0.65	<1	<0.7	<0.7	<0.7	<0.7	-
OW-5	03/21/17	<0.72	<0.7	75	<2.8	580	41	<0.68	<240	<7.8	<4	<5.8	<0.64	<2.6	<4	<2.8	<2.8	<2.8	<2.8	-
OW-5	06/28/17	<0.9	<0.88	30	<3.5	320	38	<0.84	<300	<9.7	<5	<7.3	<0.8	<3.2	<5	<3.5	<3.5	<3.5	<3.5	-
OW-5	09/26/17	<0.9	<0.88	36	<3.5	610	45	<0.84	<300	<9.7	<5	15 J	<0.8	<3.2	<5	<3.5	<3.5	<3.5	<3.5	-
OW-5	12/19/17	<0.9	<0.88	48	<3.5	520	38	<0.84	<300	<9.7	<5	<7.3	<0.8	<3.2	<5	<3.5	<3.5	<3.5	<3.5	-
OW-5	04/03/18	<0.18	<0.18	21	<0.7	240	27	<0.17	<61	<1.9	<1	<1.5	<0.16	<0.65	<1	<0.7	<0.7	<0.7	<0.7	-
OW-5	06/15/18	<0.45	<0.44	24	<1.8	290	32	<0.42	<150	<4.8	<2.5	<3.6	<0.4	<1.6	<2.5	<1.8	<1.8	<1.8	<1.8	-
OW-5	09/24/18	<0.18	<0.18	37	<0.7	400	46	<0.17	<61	<1.9	<1	<1.5	<0.16	<0.65	<1	<0.7	<0.7	<0.7	<0.7	-
OW-5	12/19/18	<1.2	<1.2	39	<6.2	340	32	<1.2	<620	<12	<12	<12	<1.2	<5.0	<12	<6.2	<6.2	<6.2	<6.2	-
OW-5	03/27/19	<0.50	0.32 J	30	<2.5	250	30	<0.50	<250	<5.0	<5.0	<5.0	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-
OW-5	06/27/19	<1.2	<1.2	26	<6.2	250	28	<1.2	<620	<12	<12	<12	<1.2	<5.0	<12	<6.2	<6.2	<6.2	<6.2	-
OW-5	09/24/19	<0.50	<0.50	16	<2.5	290	40	<0.50	<250	<5.0	<5.0	2.4 J	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-
OW-5	12/19/19	<0.50	0.22 J	22	<2.5	210	22	<0.50	<250	<5.0	<5.0	9.3	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-
OW-5	03/24/20	<0.50	<0.50	14	<2.5	180	21	<0.50	<250	<5.0	<5.0	<5.0	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-
OW-5	06/23/20	<0.50	<0.50	10	<2.5	160	30	<0.50	<250	<5.0	<5.0	<5.0	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-
OW-5	09/22/20	<1.0	<1.0	11	<5.0	210	34	<1.0	<500	<10	<10	<10	<1.0	<4.0	<10	<5.0	<5.0	<5.0	<5.0	-
OW-5	12/15/20	<0.50	<0.50	17	<2.5	220	36	<0.50	<250	<5.0	<5.0	<5.0	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-
OW-5	03/30/21	<1.0	<1.0	12	<5.0	210	28	<1.0	<500	<10	<10	<10	<1.0	<4.0	<10	<5.0	<5.0	<5.0	<5.0	-
OW-5	06/29/21	<0.50	<0.50	7.2	<2.5	140	29	<0.50	<250	<5.0	<5.0	<5.0	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-
OW-5	09/28/21	<0.50	<0.50	7.8	<2.5	180	34	<0.50	<250	<5.0	<5.0	<5.0	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-
OW-5	12/21/21	<0.50	<0.50	10	<2.5	120	26	<0.50	<250	<5.0	<5.0	<5.0	<0.50	<2.0	<5.0	<2.5	<2.5	<2.5	<2.5	-

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Table 4
Summary of AOC-2 Groundwater Monitoring Results

Garlock Sealing Technologies
Site No. 3 BCP Site
BCP Site #C859028

AOC-2			
Sampling Location	Sampling Date	Chemical oxygen demand (COD)	Total organic carbon (TOC)
		mg/L	mg/L
	Regulatory Standard		
OW-1	11/10/10	1.1	<5
OW-1	06/17/11	14.7	<1
OW-1	10/04/11	148	60.9
OW-1	03/22/12	15.8	<5
OW-1	06/21/12	282	16.6
OW-1	09/27/12	<10	25.2 J
OW-1	12/20/12	65.6 J	27.1
OW-1	03/20/13	50.5	13.3
OW-1	06/18/13	14.1	8.6
OW-1	09/18/13	21.3	2.9
OW-1	12/17/13	17.3	6.2
OW-1	03/25/14	15.1	6.5
OW-1	06/25/14	19.7	4.9
OW-1	09/22/14	8.1	5.8
OW-1	12/04/14	<5	5.5
OW-1	03/23/15	9.3	6.2
OW-1	06/29/15	16.4	6.2
OW-1	09/24/15	16 J	3.6
OW-1	12/21/15	25	4.2
OW-1	03/24/16	12	5.28
OW-1	06/22/16	34	2.95
OW-1	09/28/16	6.1 J	1.92
OW-1	12/22/16	18	1.81
OW-1	03/21/17	10	2.53
OW-1	06/28/17	22	1.82
OW-1	09/26/17	10	1.66
OW-1	12/19/17	8.4 J	1.84
OW-1	04/03/18	<2.7	1.39
OW-1	06/15/18	15	1.48
OW-1	09/24/18	27	1.72
OW-1	12/19/18	39	1.40
OW-1	03/27/19	<10	1.57
OW-1	06/27/19	11	1.07
OW-1	09/24/19	13	1.15
OW-1	12/19/19	18	1.27
OW-1	03/24/20	21	0.860
OW-1	06/23/20	31	1.84
OW-1	09/22/20	31	0.95
OW-1	12/15/20	59	0.920
OW-1	03/30/21	34	1.00
OW-1	06/29/21	20	0.897
OW-1	09/28/21	47	1.16
OW-1	12/21/21	38	0.890

Notes:
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<## Not detected above indicated laboratory reporting limit.
J estimated value
mg/L milligrams per liter
ug/L micrograms per liter
Bold and highlighted cells indicate an exceedance of Class GA Regulatory Standards



Table 4
Summary of AOC-2 Groundwater Monitoring Results

Garlock Sealing Technologies
Site No. 3 BCP Site
BCP Site #C859028

Sampling Location	Sampling Date	Chemical oxygen demand (COD)	Total organic carbon (TOC)
		mg/L	mg/L
OW-2 (MW-41)	05/16/08	<1	<5
OW-2 (MW-41)	11/10/10	1.1	<5
OW-2 (MW-41)	06/17/11	10.2	<1
OW-2 (MW-41)	10/04/11	62	22.3
OW-2 (MW-41)	10/27/11	59.5	10.8
OW-2 (MW-41)	03/22/12	21.3	85.6
OW-2 (MW-41)	06/21/12	58.8	14.7
OW-2 (MW-41)	09/27/12	61.9	13.5 J
OW-2 (MW-41)	12/20/12	58.5	13
OW-2 (MW-41)	03/20/13	84.3	11.8
OW-2 (MW-41)	06/18/13	56	13.5
OW-2 (MW-41)	09/18/13	44.9	7.8
OW-2 (MW-41)	12/17/13	37.7	8.1
OW-2 (MW-41)	03/25/14	52.9	9.1
OW-2 (MW-41)	06/25/14	43.5	8.2
OW-2 (MW-41)	09/23/14	40.4	9.3
OW-2 (MW-41)	12/04/14	16.8	9.9
OW-2 (MW-41)	03/23/15	15.5	6.7
OW-2 (MW-41)	06/29/15	19.3	8.3
OW-2 (MW-41)	09/24/15	62	9.7
OW-2 (MW-41)	12/21/15	53	6.9
OW-2 (MW-41)	03/24/16	47	10.4
OW-2 (MW-41)	06/22/16	37	5.88
OW-2 (MW-41)	09/28/16	42	6.16
OW-2 (MW-41)	12/22/16	65	6.73
OW-2 (MW-41)	03/21/17	32	5.97
OW-2 (MW-41)	06/28/17	37	4.64
OW-2 (MW-41)	09/26/17	45	6.54
OW-2 (MW-41)	12/19/17	46	6.21
OW-2 (MW-41)	04/03/18	6.1 J	2.56
OW-2 (MW-41)	06/15/18	56	5.22
OW-2 (MW-41)	09/24/18	31	4.67
OW-2 (MW-41)	12/19/18	26	4.07
OW-2 (MW-41)	03/27/19	37	4.74
OW-2 (MW-41)	06/27/19	57	4.53
OW-2 (MW-41)	09/24/19	39	4.29
OW-2 (MW-41)	12/19/19	18	3.04
OW-2 (MW-41)	03/24/20	7.7 J	1.96
OW-2 (MW-41)	06/23/20	48	5.49
OW-2 (MW-41)	09/22/20	52	3.7
OW-2 (MW-41)	12/15/20	56	3.35
OW-2 (MW-41)	03/30/21	9.9 J	2.54
OW-2 (MW-41)	06/29/21	42	3.06
OW-2 (MW-41)	09/28/21	40	3.67
OW-2 (MW-41)	12/21/21	14	1.72

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mg/L milligrams per liter
ug/L micrograms per liter
Bold and highlighted cells indicate an exceedance of Class GA Regulatory Standards



Table 4
Summary of AOC-2 Groundwater Monitoring Results

Garlock Sealing Technologies
Site No. 3 BCP Site
BCP Site #C859028

Sampling Location	Sampling Date	Chemical oxygen demand (COD)	Total organic carbon (TOC)
		mg/L	mg/L
OW-3 (AOC-2)	11/10/10	2.8	22
OW-3 (AOC-2)	06/17/11	10.5	<1
OW-3 (AOC-2)	10/04/11	608	209
OW-3 (AOC-2)	10/27/11	534	190
OW-3 (AOC-2)	03/22/12	153	457
OW-3 (AOC-2)	06/21/12	376	202
OW-3 (AOC-2)	09/27/12	123	253 J
OW-3 (AOC-2)	12/20/12	755	237
OW-3 (AOC-2)	03/20/13	452	144
OW-3 (AOC-2)	06/18/13	378	92.3
OW-3 (AOC-2)	09/18/13	418	140
OW-3 (AOC-2)	12/17/13	421	108
OW-3 (AOC-2)	03/25/14	346	80.5
OW-3 (AOC-2)	06/25/14	248	86
OW-3 (AOC-2)	09/23/14	310	98
OW-3 (AOC-2)	12/04/14	254	112
OW-3 (AOC-2)	03/23/15	210	63
OW-3 (AOC-2)	06/29/15	174	51
OW-3 (AOC-2)	09/24/15	300	52
OW-3 (AOC-2)	12/21/15	280	51
OW-3 (AOC-2)	03/24/16	160	37
OW-3 (AOC-2)	06/22/16	200	42.5
OW-3 (AOC-2)	09/28/16	260	50
OW-3 (AOC-2)	12/22/16	180	31.4
OW-3 (AOC-2)	03/21/17	94	17.7
OW-3 (AOC-2)	06/28/17	69	10.6
OW-3 (AOC-2)	09/26/17	94	15.4
OW-3 (AOC-2)	12/19/17	66	14
OW-3 (AOC-2)	04/03/18	69	10.9
OW-3 (AOC-2)	06/15/18	43	7.44
OW-3 (AOC-2)	09/24/18	120	16.1
OW-3 (AOC-2)	12/19/18	59	11.2
OW-3 (AOC-2)	03/27/19	39	8.54
OW-3 (AOC-2)	06/27/19	38	6.04
OW-3 (AOC-2)	09/24/19	55	9.74
OW-3 (AOC-2)	12/19/19	70	10.0
OW-3 (AOC-2)	03/24/20	35	5.62
OW-3 (AOC-2)	06/23/20	28	6.59
OW-3 (AOC-2)	09/22/20	66	7.7
OW-3 (AOC-2)	12/15/20	76	9.58
OW-3 (AOC-2)	03/30/21	52	7.65
OW-3 (AOC-2)	06/29/21	34	4.54
OW-3 (AOC-2)	09/28/21	42	5.56
OW-3 (AOC-2)	12/21/21	31	3.96

Notes:
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mg/L milligrams per liter
ug/L micrograms per liter
Bold and highlighted cells indicate an exceedance of Class GA Regulatory Standards



Table 4
Summary of AOC-2 Groundwater Monitoring Results

Garlock Sealing Technologies
Site No. 3 BCP Site
BCP Site #C859028

Sampling Location	Sampling Date	Chemical oxygen demand (COD)	Total organic carbon (TOC)
		mg/L	mg/L
OW-4 (MW-28)	11/10/10	2.8	22
OW-4 (MW-28)	06/17/11	5	<1
OW-4 (MW-28)	03/22/12	153	457
OW-4 (MW-28)	06/21/12	142	143
OW-4 (MW-28)	09/27/12	171	65.7 J
OW-4 (MW-28)	12/21/12	185	57.1
OW-4 (MW-28)	03/20/13	82.4	35
OW-4 (MW-28)	06/18/13	93.1	28.9
OW-4 (MW-28)	09/18/13	81.8	22.9
OW-4 (MW-28)	12/17/13	56.5	21.2
OW-4 (MW-28)	03/25/14	49.2	19.1
OW-4 (MW-28)	06/25/14	47	14.9
OW-4 (MW-28)	09/23/14	19.9	11.6
OW-4 (MW-28)	12/04/14	22.8	9.9
OW-4 (MW-28)	03/23/15	8.7	6.6
OW-4 (MW-28)	06/29/15	11.3	5.7
OW-4 (MW-28)	09/24/15	44	4.9
OW-4 (MW-28)	12/21/15	56	5.2
OW-4 (MW-28)	03/24/16	22	5.86
OW-4 (MW-28)	06/22/16	22	2.87
OW-4 (MW-28)	09/28/16	11	2.31
OW-4 (MW-28)	12/22/16	15	4.52
OW-4 (MW-28)	03/21/17	20	3.75
OW-4 (MW-28)	06/28/17	16	1.7
OW-4 (MW-28)	09/26/17	28	1.9
OW-4 (MW-28)	12/19/17	13	3.46
OW-4 (MW-28)	04/03/18	15	1.88
OW-4 (MW-28)	06/15/18	10	1.4
OW-4 (MW-28)	09/24/18	<2.7	1.25
OW-4 (MW-28)	12/19/18	19	1.25
OW-4 (MW-28)	03/27/19	10	1.32
OW-4 (MW-28)	06/27/19	28	1.12
OW-4 (MW-28)	09/24/19	8.6 J	1.06
OW-4 (MW-28)	12/19/19	18	1.02
OW-4 (MW-28)	03/24/20	14	0.840
OW-4 (MW-28)	06/23/20	18	1.79
OW-4 (MW-28)	09/22/20	19	0.93
OW-4 (MW-28)	12/15/20	13	0.690
OW-4 (MW-28)	03/30/21	20	1.38
OW-4 (MW-28)	06/29/21	7.4	1.42
OW-4 (MW-28)	09/28/21	16	0.851
OW-4 (MW-28)	12/21/21	20	0.640

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<## Not detected above indicated laboratory reporting limit.
J estimated value
mg/L milligrams per liter
ug/L micrograms per liter
Bold and highlighted cells indicate an exceedance of Class GA Regulatory Standards

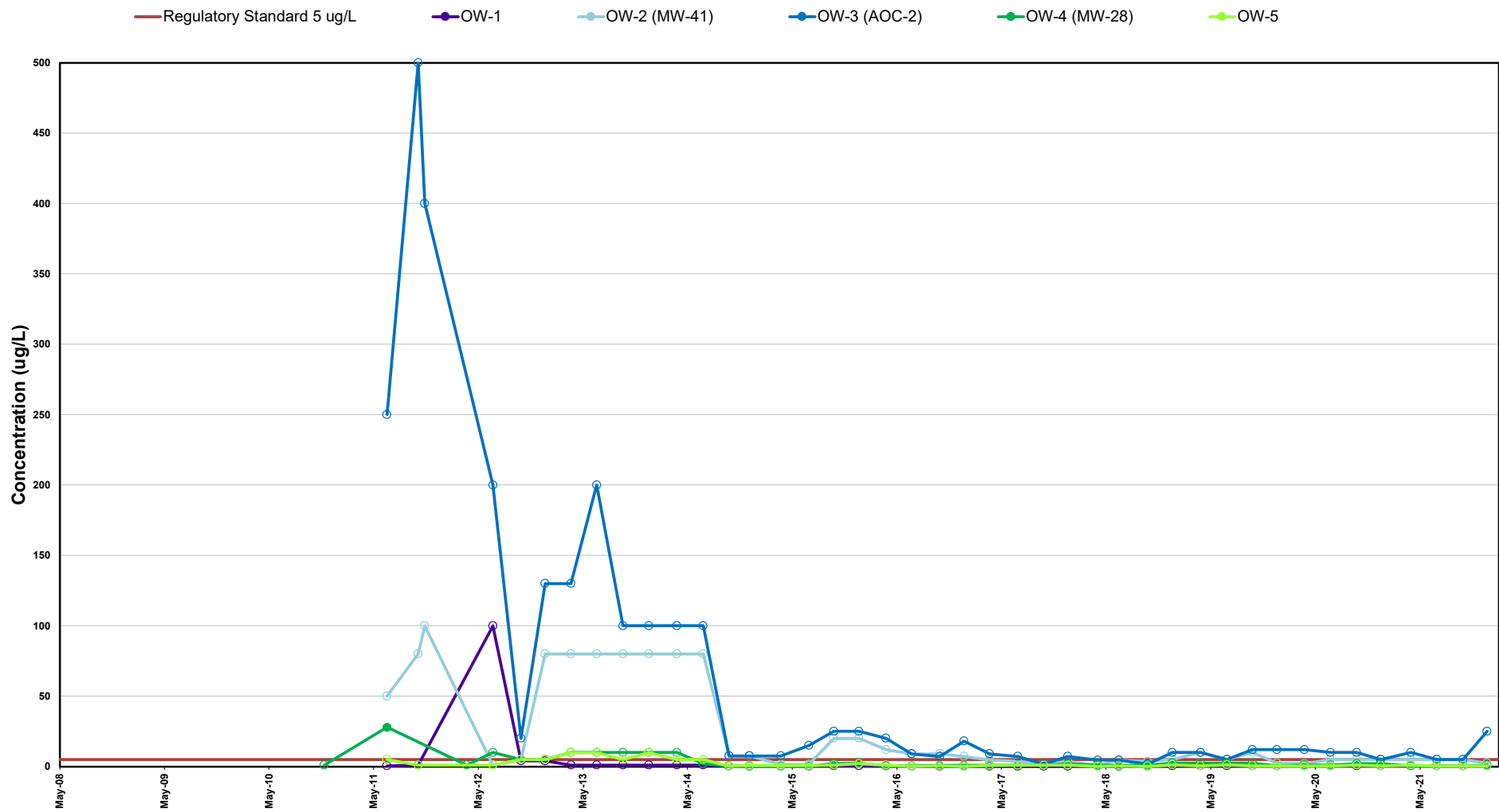


Table 4
Summary of AOC-2 Groundwater Monitoring Results

Garlock Sealing Technologies
Site No. 3 BCP Site
BCP Site #C859028

Sampling Location	Sampling Date	Chemical oxygen demand (COD)	Total organic carbon (TOC)
		mg/L	mg/L
OW-5	11/10/10	2.6	<5
OW-5	06/17/11	4.1	<1
OW-5	10/04/11	102	54
OW-5	03/22/12	70.8	35
OW-5	06/21/12	77.4	31.4
OW-5	09/27/12	72.9	27.4 J
OW-5	12/21/12	50.2	20.4
OW-5	03/20/13	24.3	11.7
OW-5	06/18/13	31.4	9.1
OW-5	09/18/13	27.2	6.4
OW-5	12/17/13	31.3	6.6
OW-5	03/25/14	19.2	5.6
OW-5	06/25/14	15.2	4
OW-5	09/23/14	8.1	3.3
OW-5	12/04/14	7.1	3.5
OW-5	03/23/15	9	3.3
OW-5	06/29/15	14.3	2.9
OW-5	09/24/15	48	2.5
OW-5	12/21/15	74	3.9
OW-5	03/24/16	19	4.24
OW-5	06/22/16	27	2.1
OW-5	09/28/16	40	3.84
OW-5	12/22/16	27	3.35
OW-5	03/21/17	68	3.09
OW-5	06/28/17	39	1.46
OW-5	09/26/17	37	1.68
OW-5	12/19/17	15	2.98
OW-5	04/03/18	36	1.69
OW-5	06/15/18	22	1.28
OW-5	09/24/18	13	1.13
OW-5	12/19/18	24	0.740
OW-5	03/27/19	3.9 J	1.03
OW-5	06/27/19	30	0.800
OW-5	09/24/19	18	0.922
OW-5	12/19/19	35	0.992
OW-5	03/24/20	12	0.670
OW-5	06/23/20	22	1.59
OW-5	09/22/20	52	0.83
OW-5	12/15/20	13	0.620
OW-5	03/30/21	25	1.22
OW-5	06/29/21	7.4	1.33
OW-5	09/28/21	16	0.808
OW-5	12/21/21	25	0.540

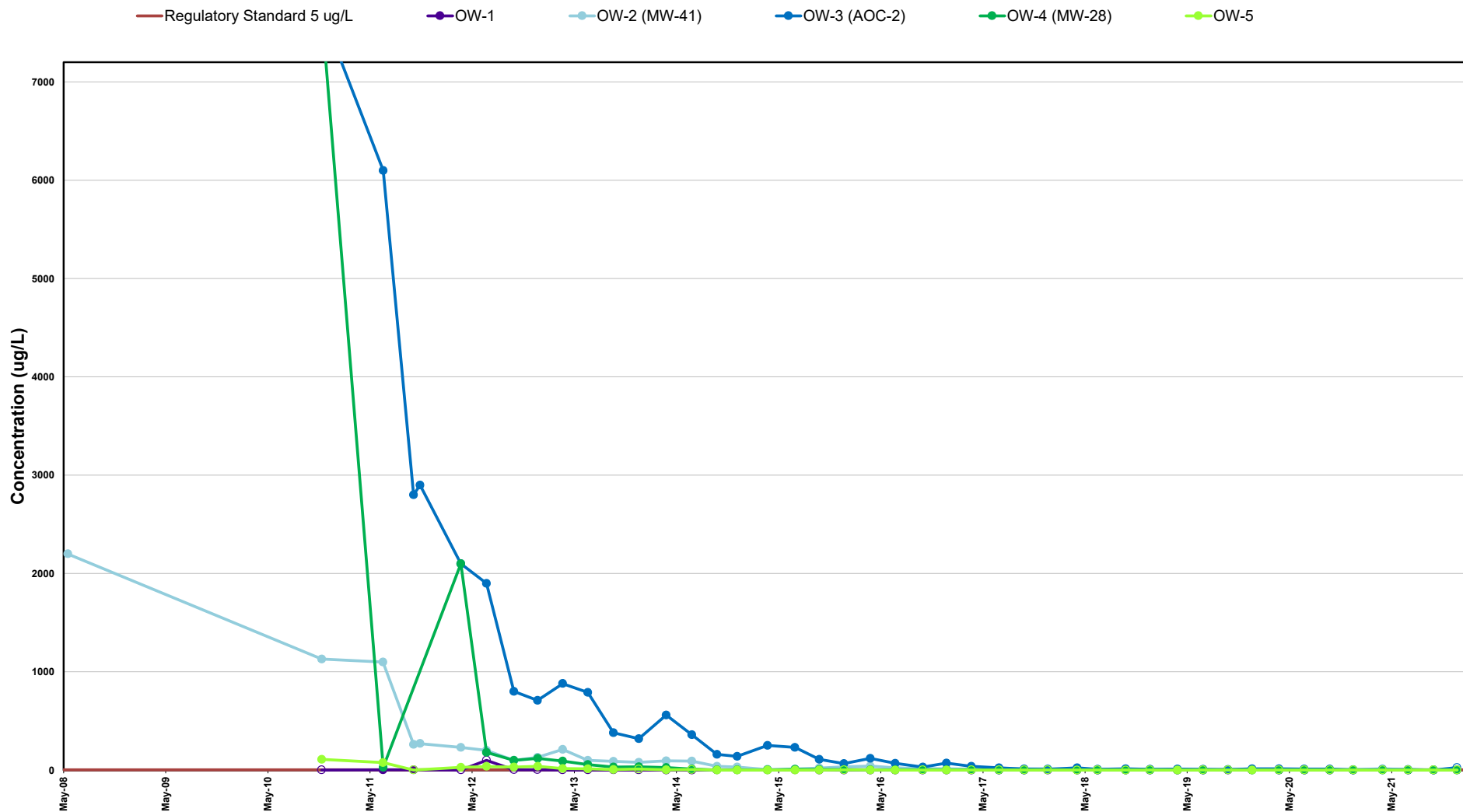
Notes:
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Regulatory Standard - Class GA Groundwater Quality Standard or Guidance Value from NYSDEC Division of Water TOGS 1.1.1 (June 1998)
<## Not detected above indicated laboratory reporting limit.
J estimated value
mg/L milligrams per liter
ug/L micrograms per liter
Bold and highlighted cells indicate an exceedance of Class GA Regulatory Standards



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Tetrachloroethene Trend

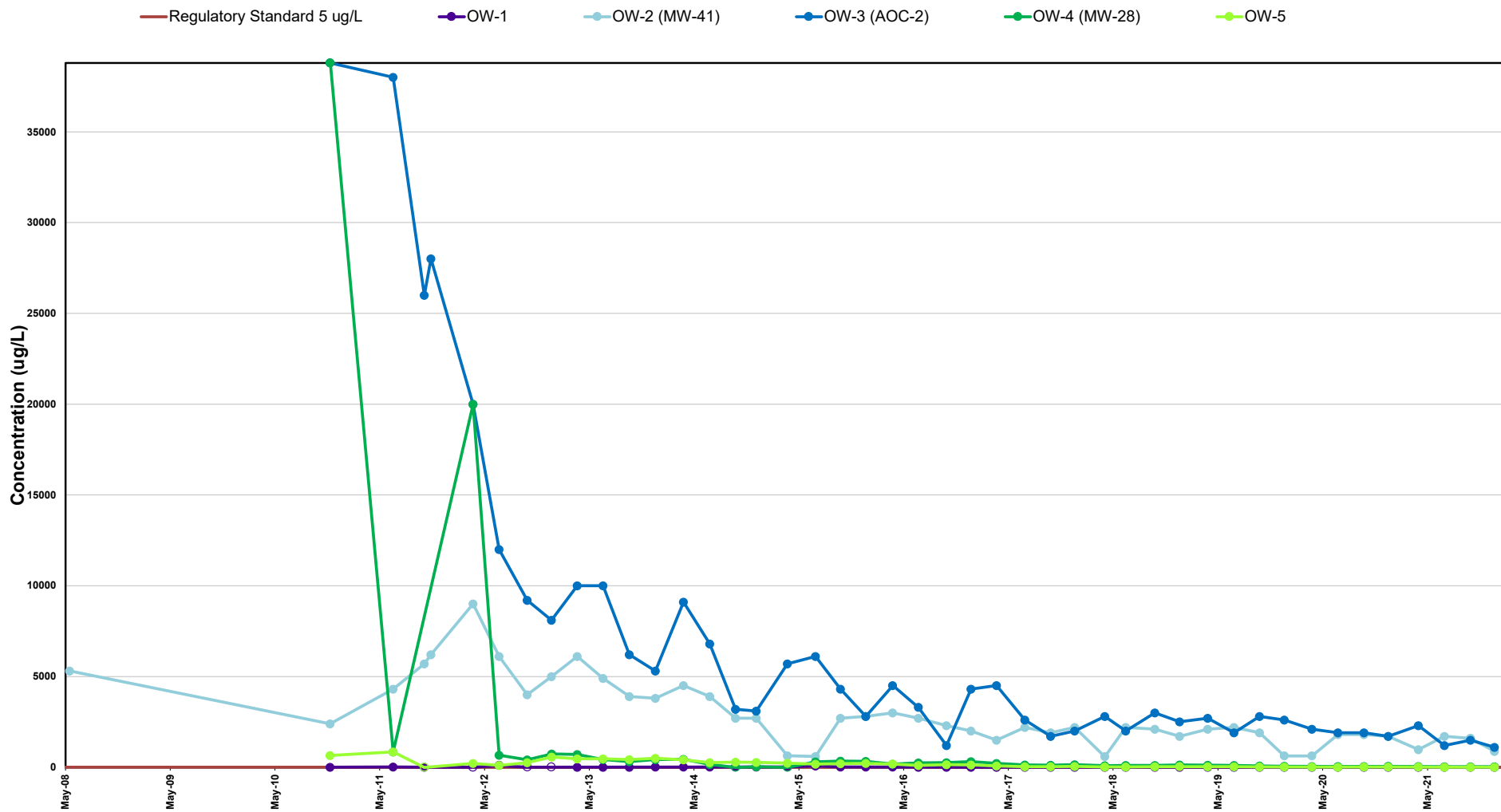
AOC-2



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Trichloroethene Trend

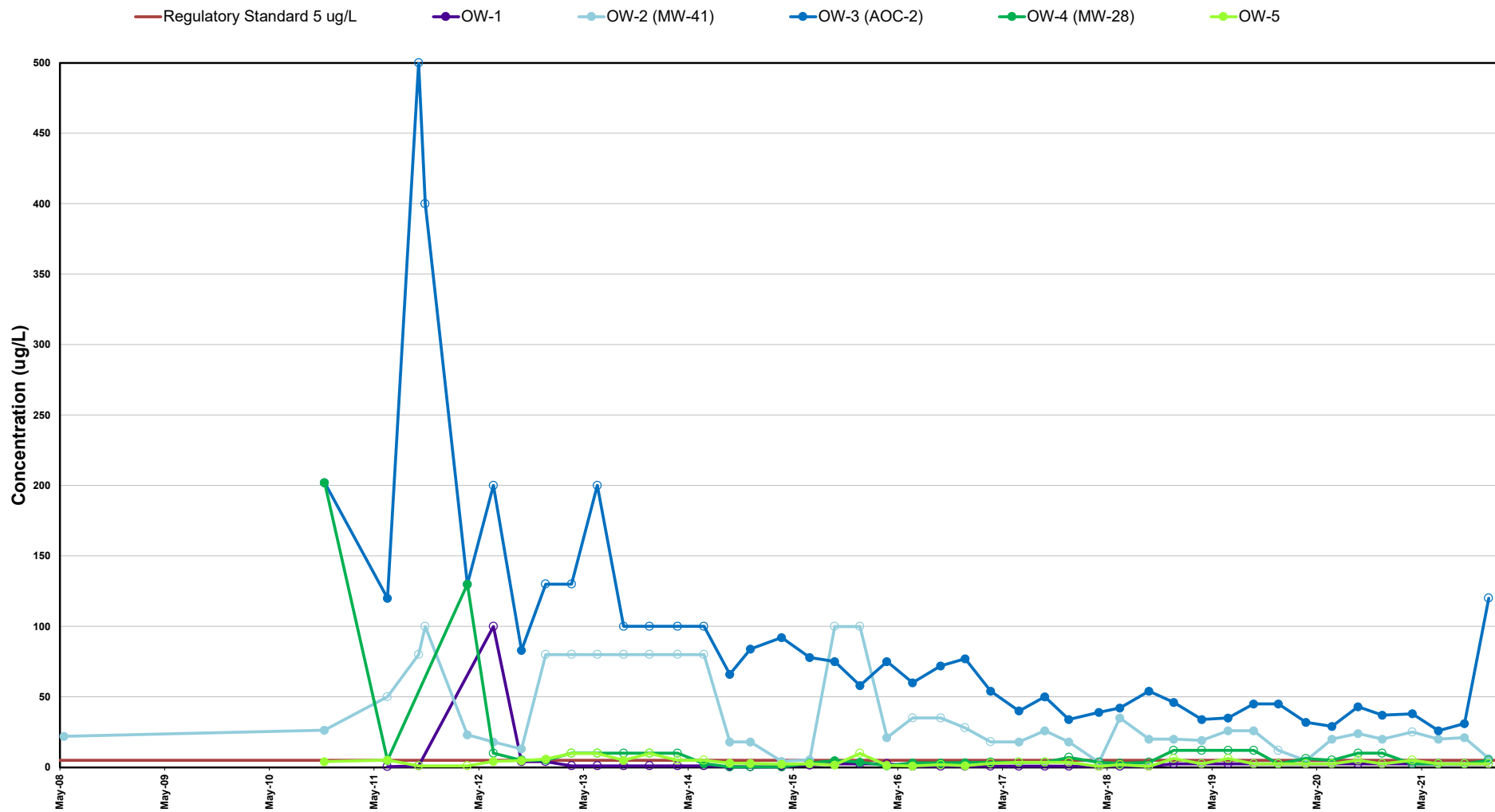
AOC-2



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
cis-1,2-Dichloroethene Trend

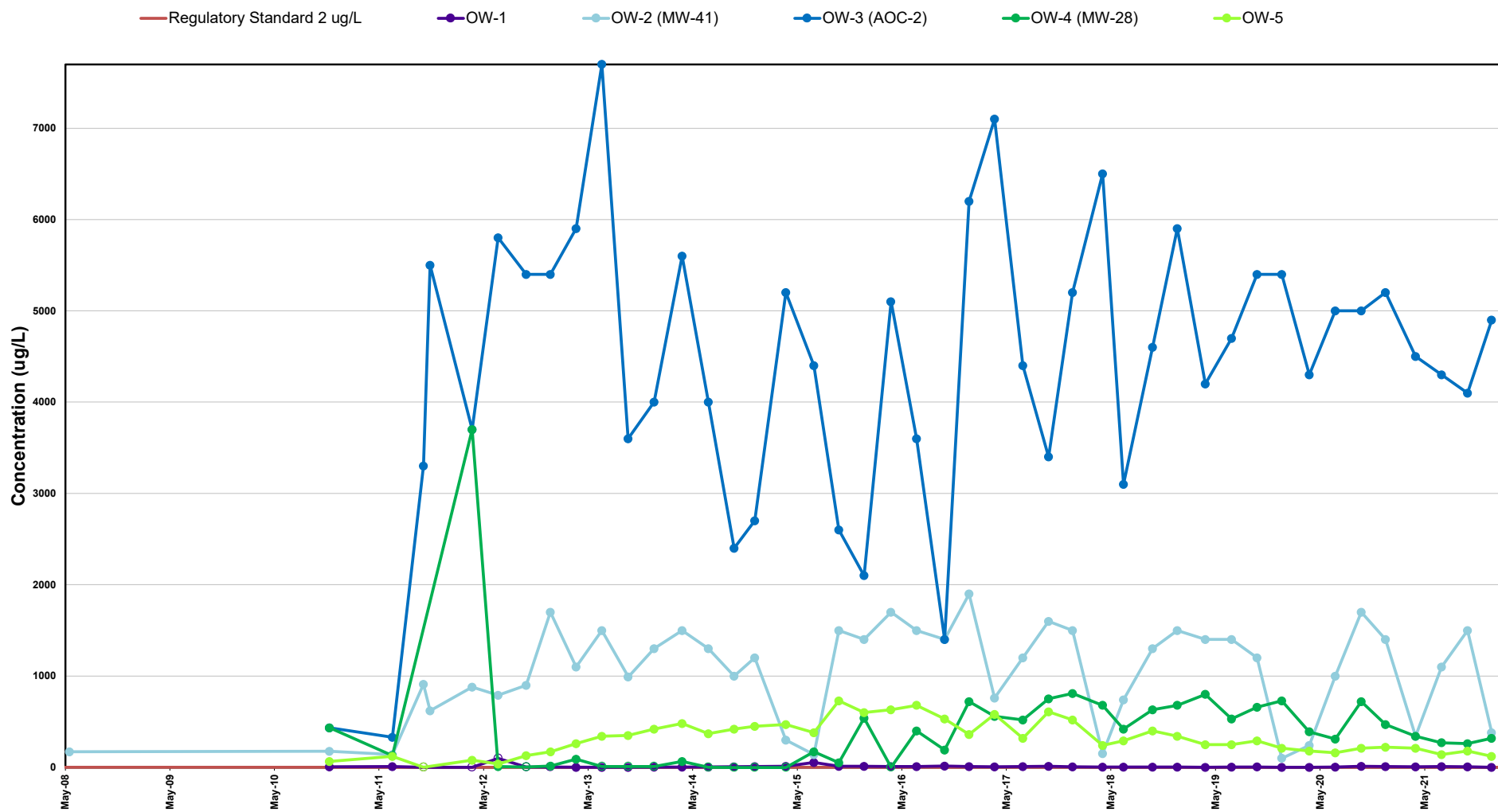
AOC-2



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
trans-1,2-Dichloroethene Trend

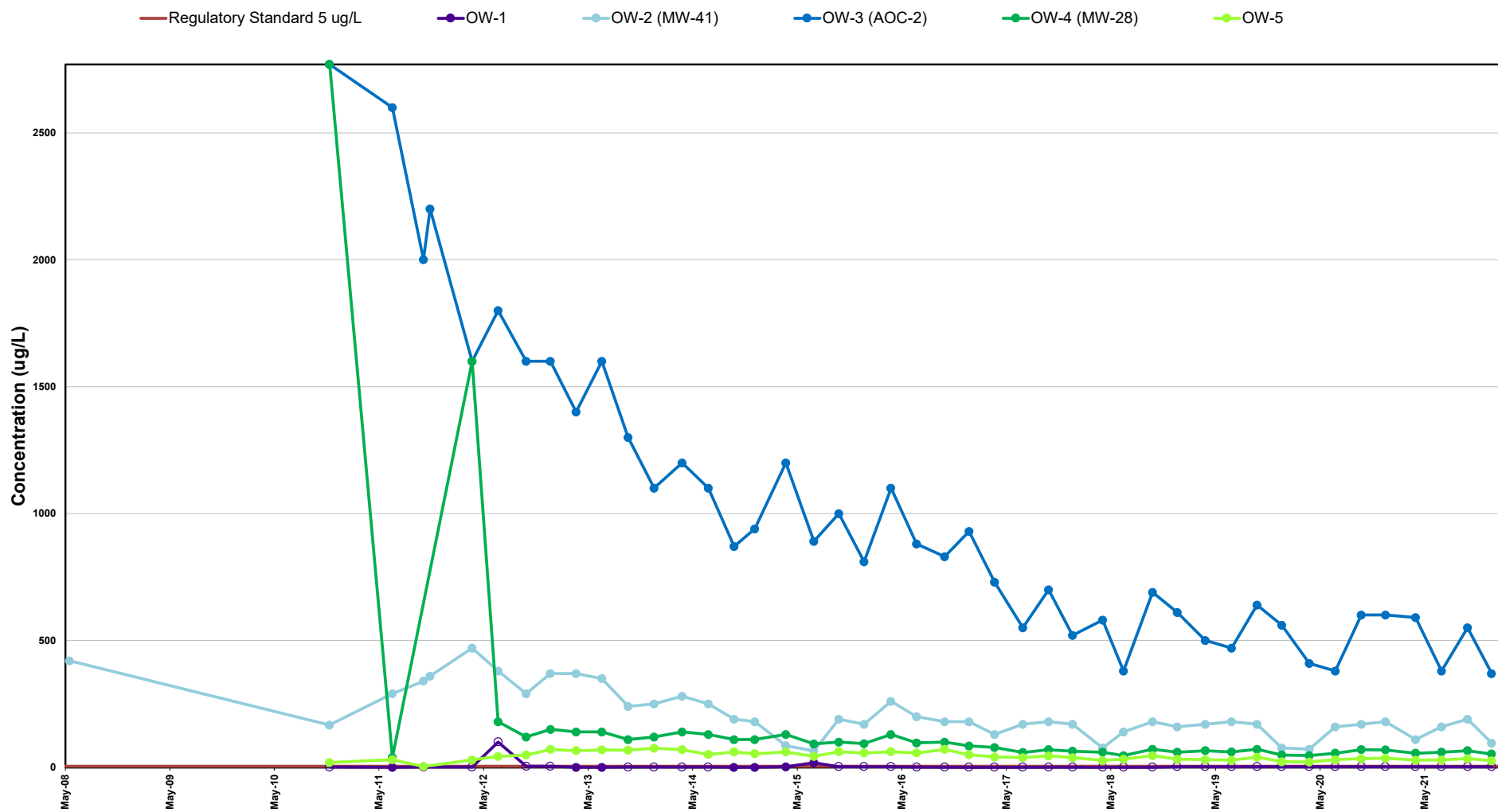
AOC-2



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Vinyl chloride Trend

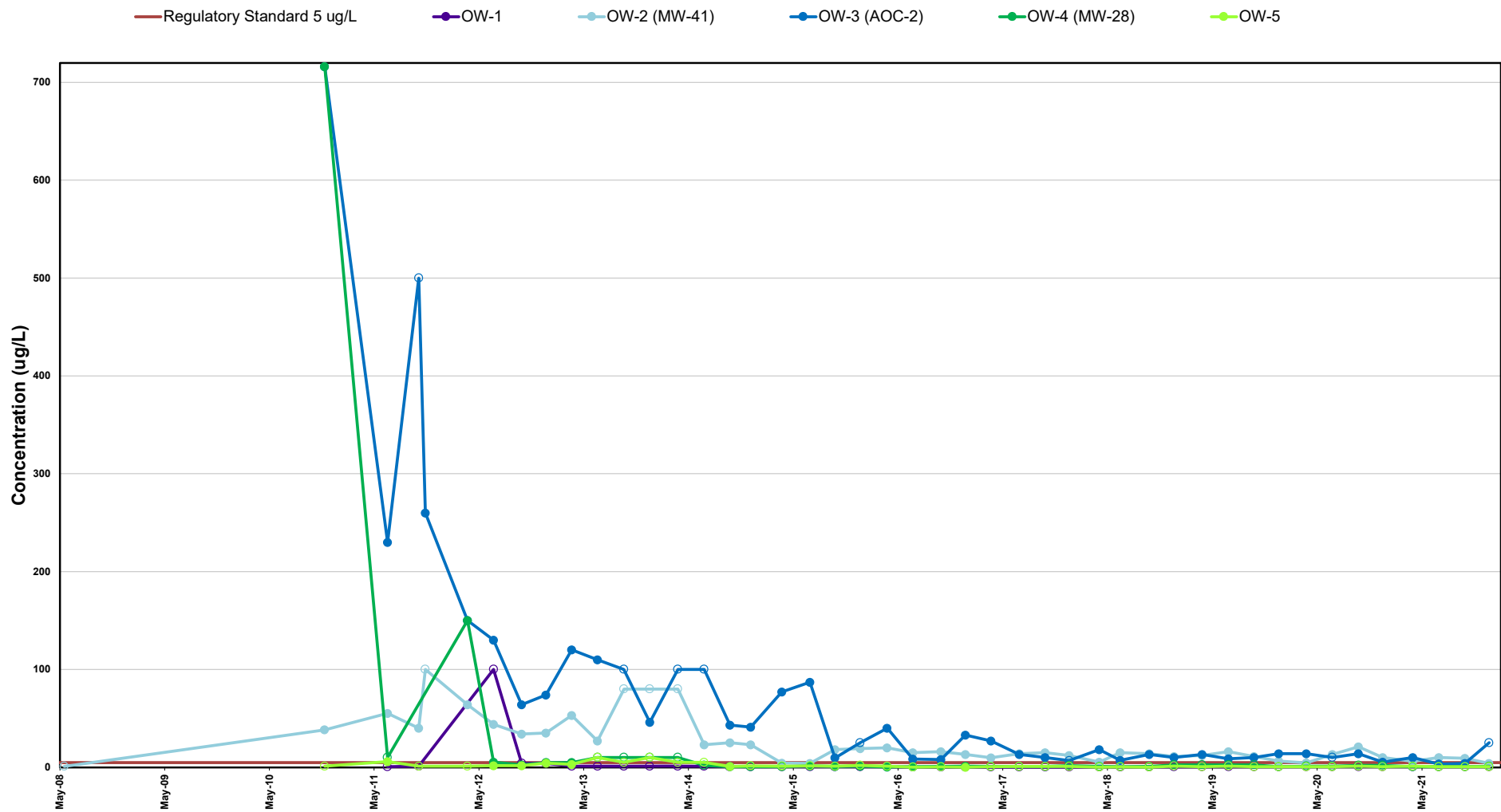
AOC-2



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
1,1-Dichloroethane Trend

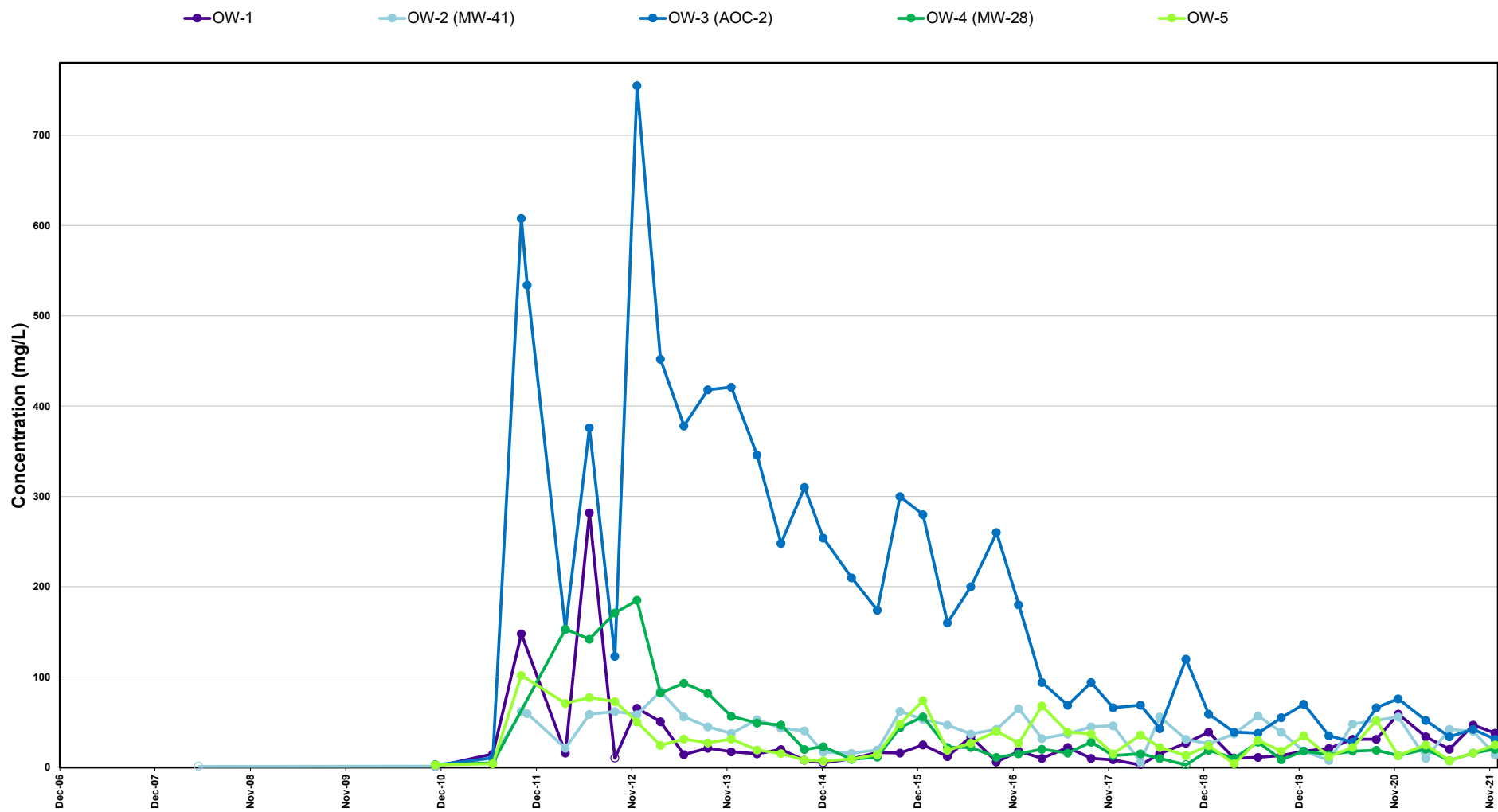
AOC-2



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
1,1-Dichloroethene Trend

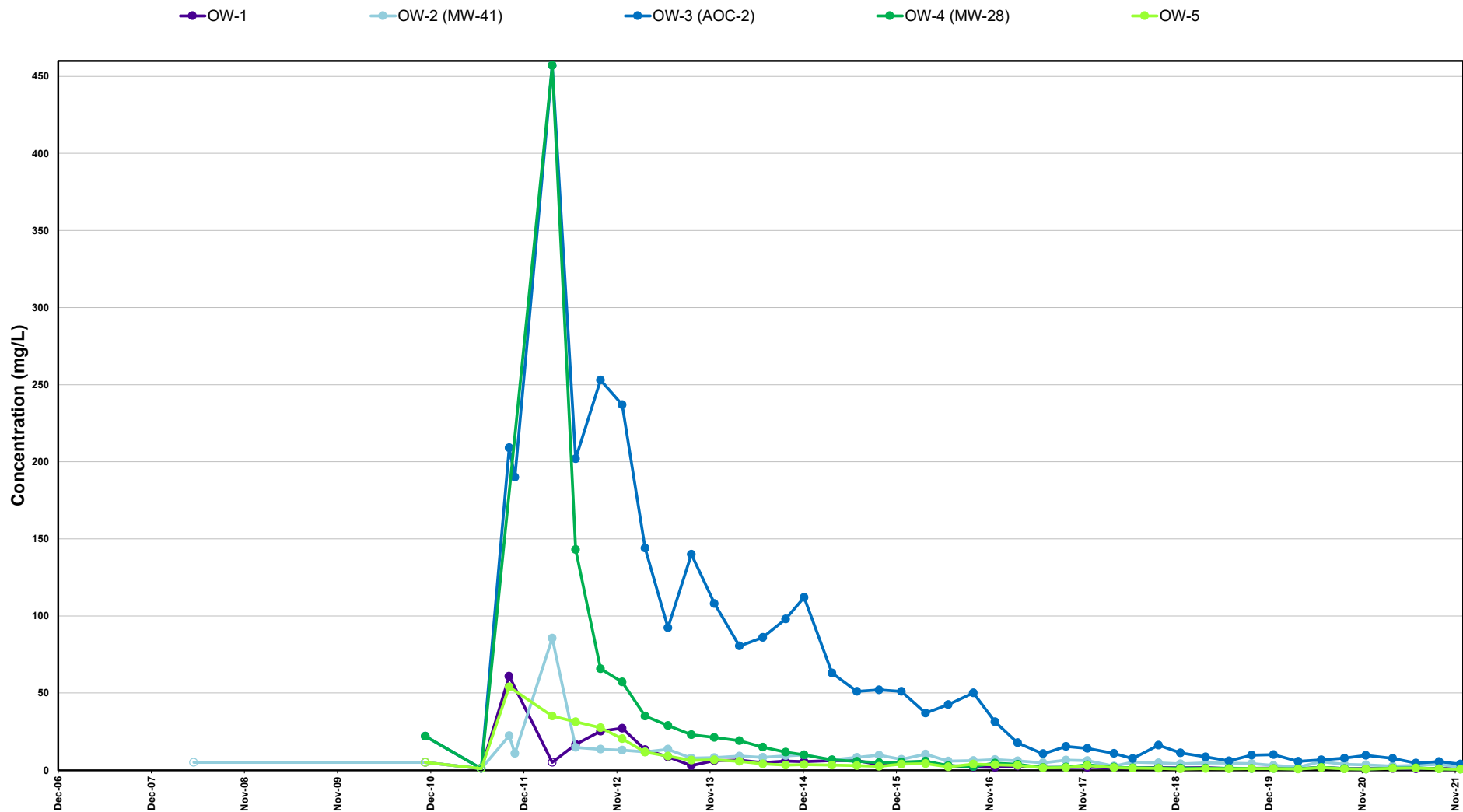
AOC-2



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Chemical oxygen demand (COD) Trend

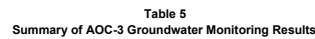
AOC-2



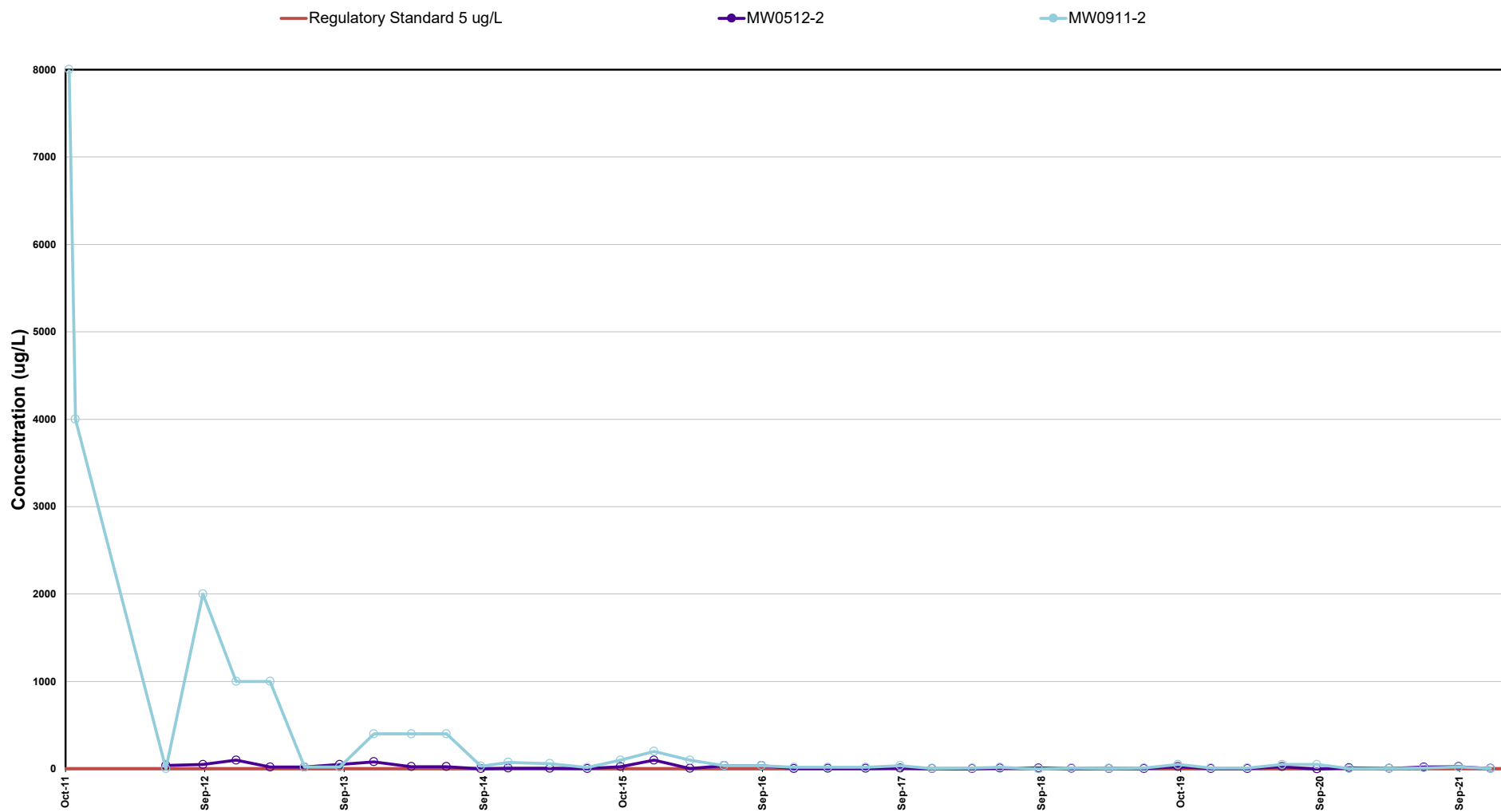
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Total organic carbon (TOC) Trend
AOC-2

AOC-3



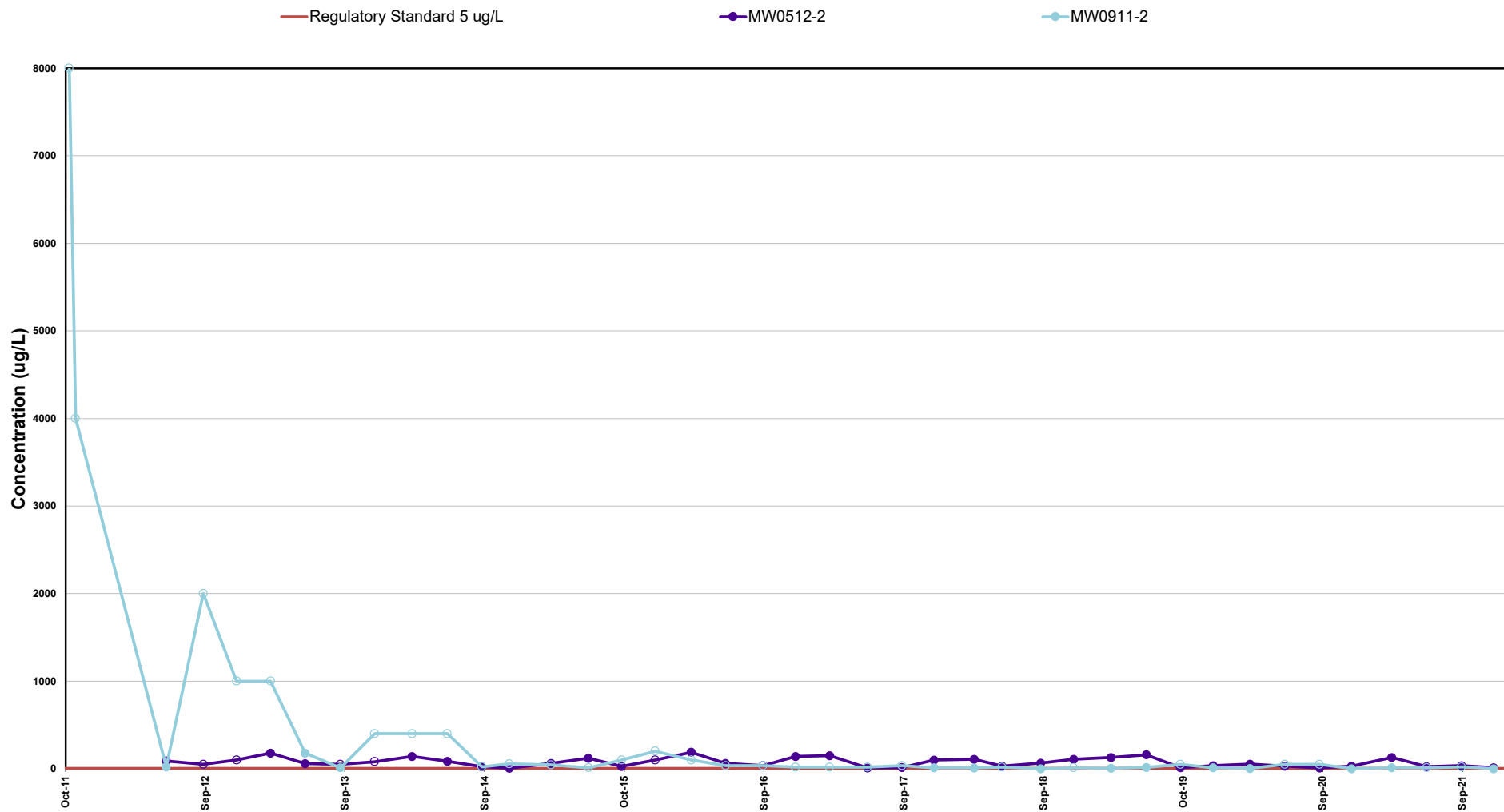
Notes:
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Regulatory Standard - Class GA Groundwater Quality Standard or Guidance Value from NYSDEC Division of Water TGS 1.1.1 (June 1998)
-ND Not detected above indicated laboratory reporting limit.
j Estimated value
mg/L milligrams per liter
ug/L micrograms per liter
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Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Tetrachloroethene Trend

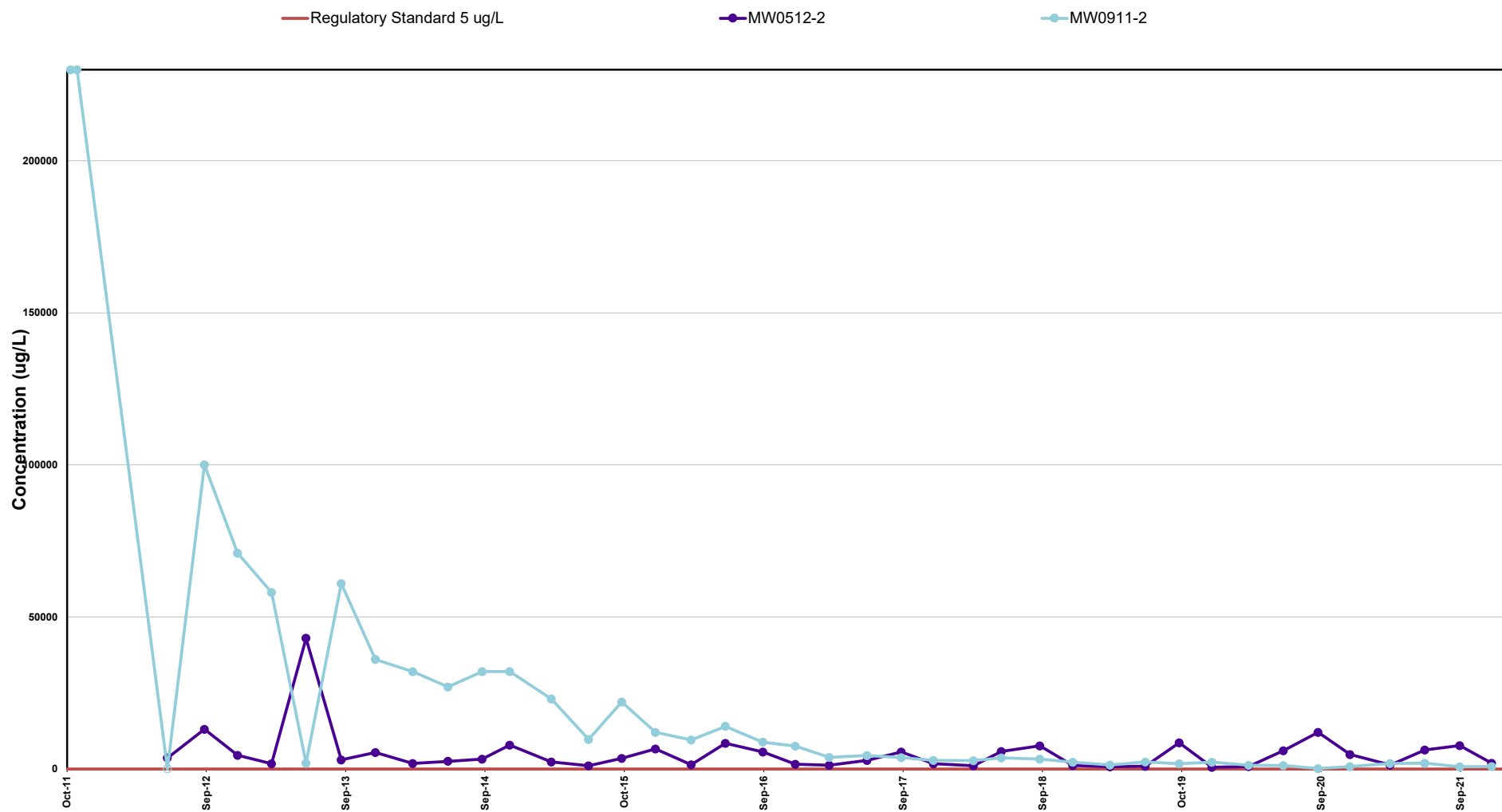
AOC-3



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Trichloroethene Trend

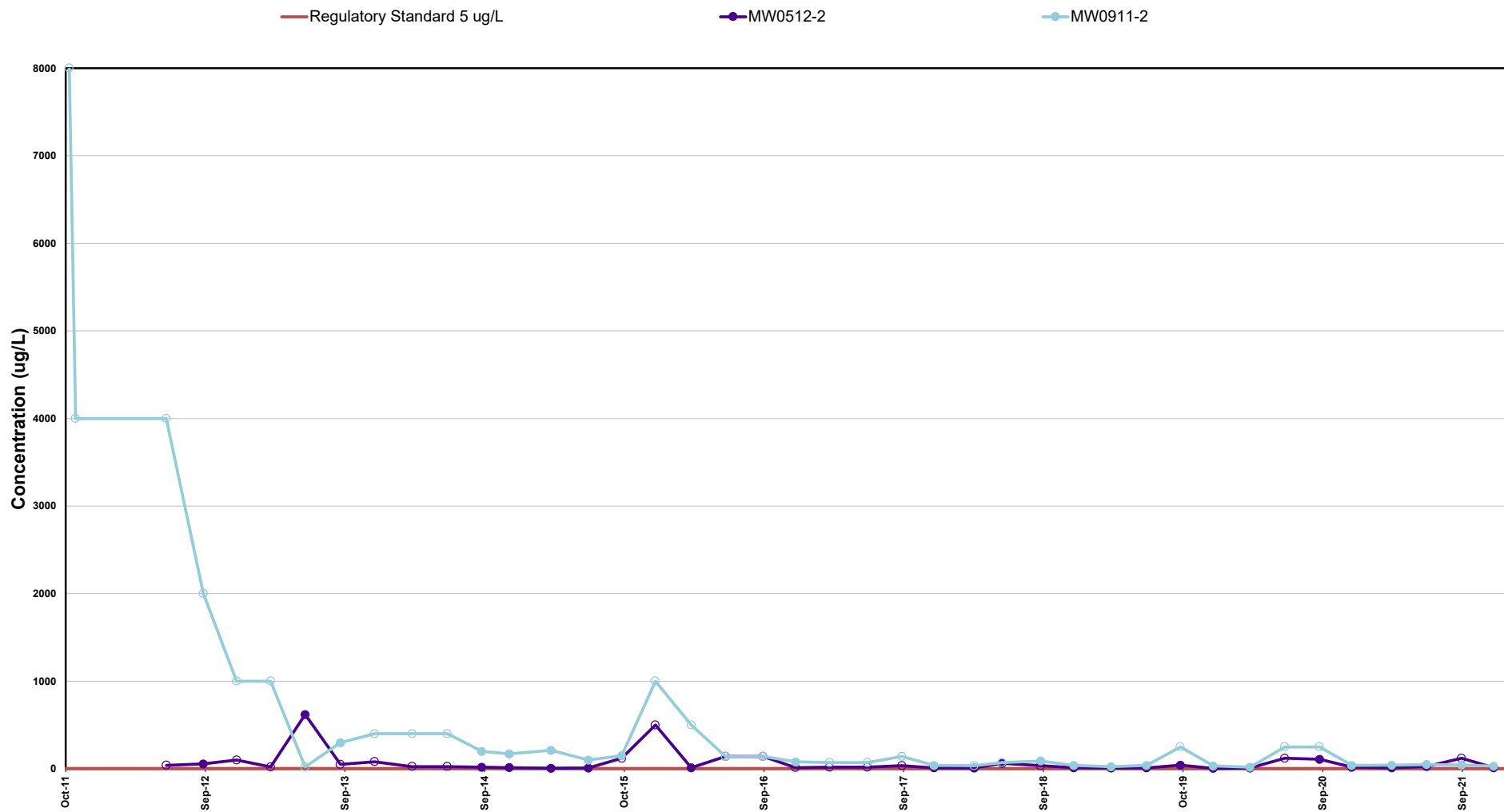
AOC-3



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
cis-1,2-Dichloroethene Trend

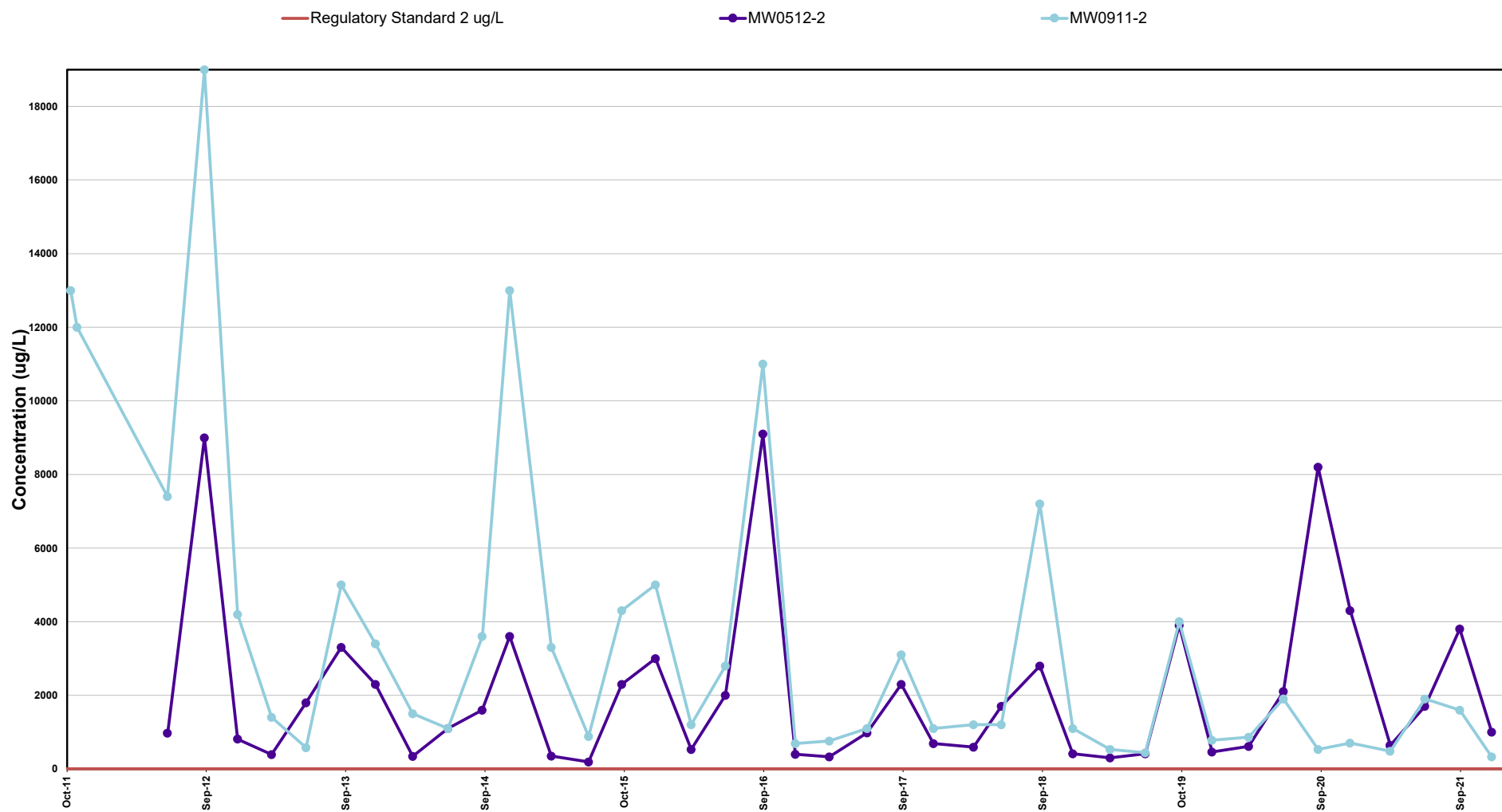
AOC-3



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
trans-1,2-Dichloroethene Trend

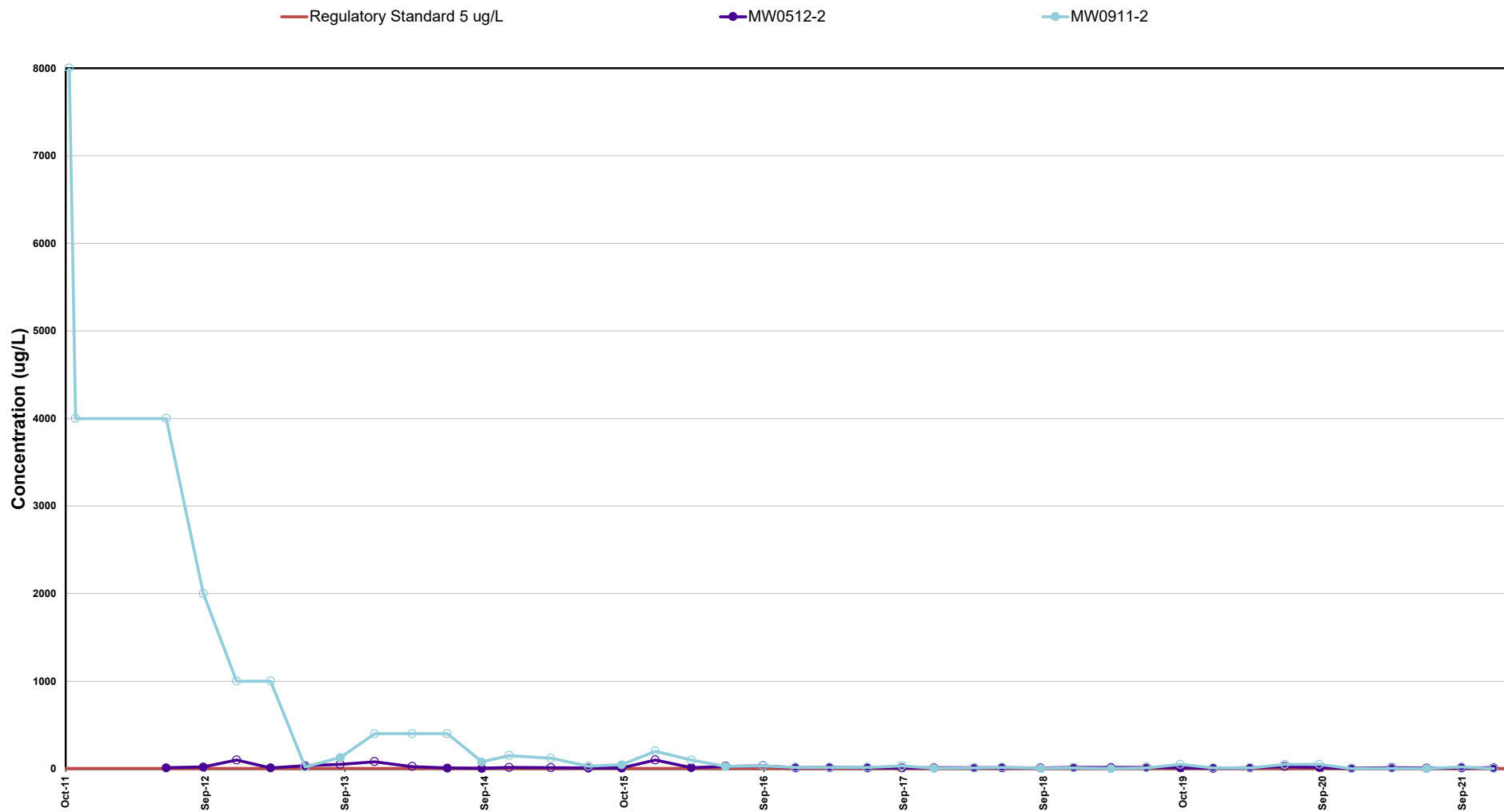
AOC-3



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Vinyl chloride Trend

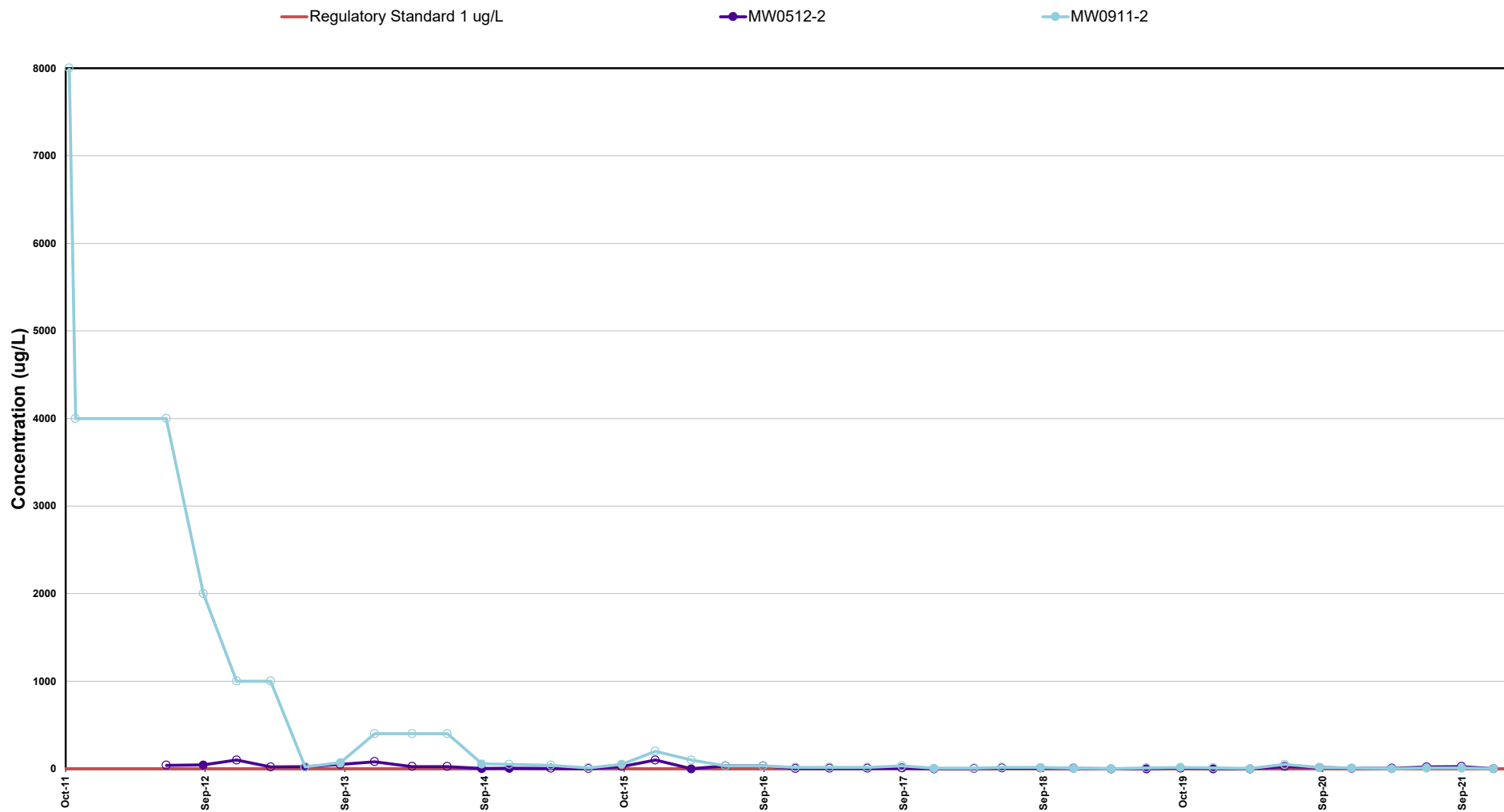
AOC-3



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
1,1-Dichloroethene Trend

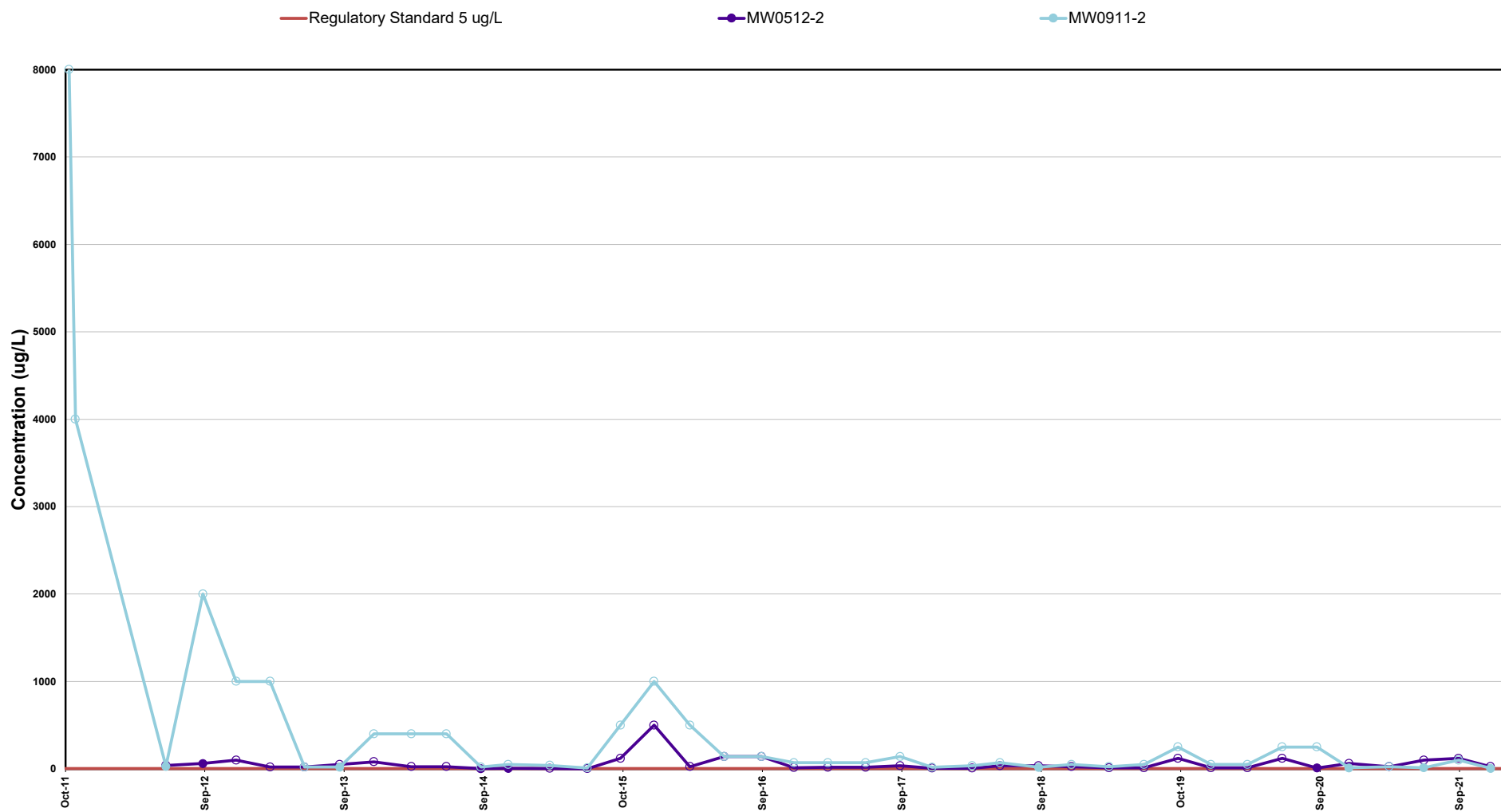
AOC-3



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Benzene Trend

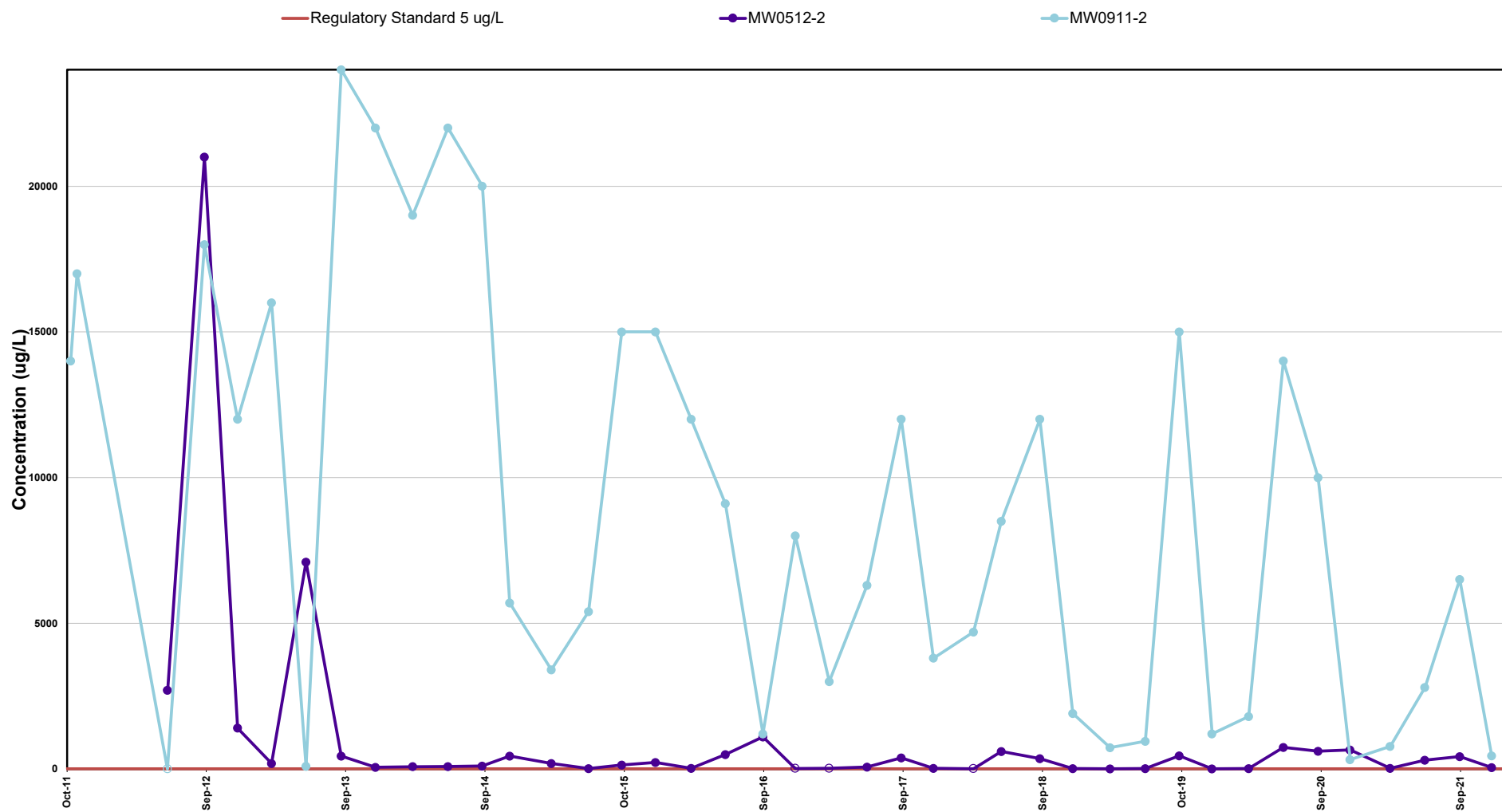
AOC-3



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Ethylbenzene Trend

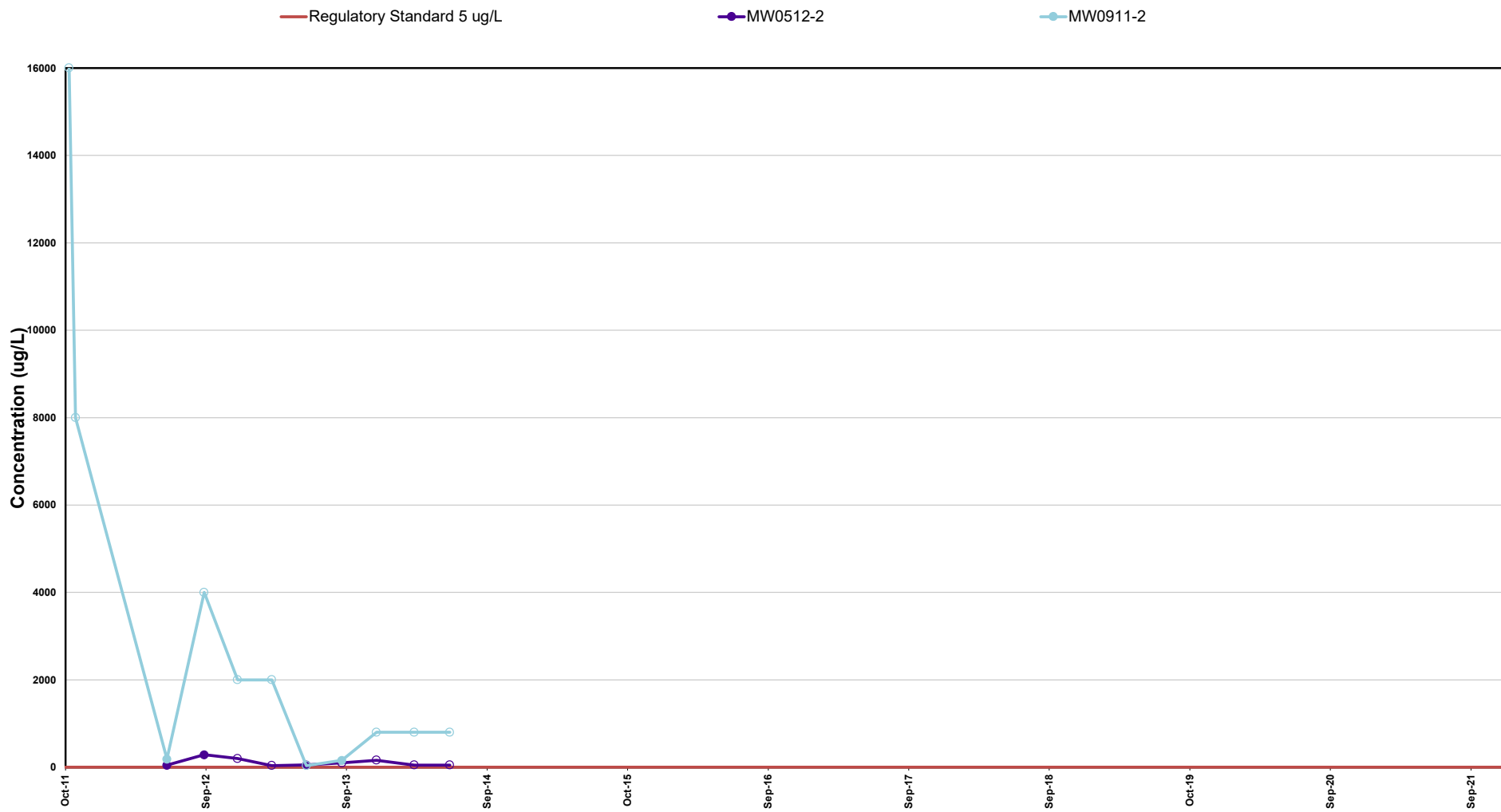
AOC-3



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Toluene Trend

AOC-3

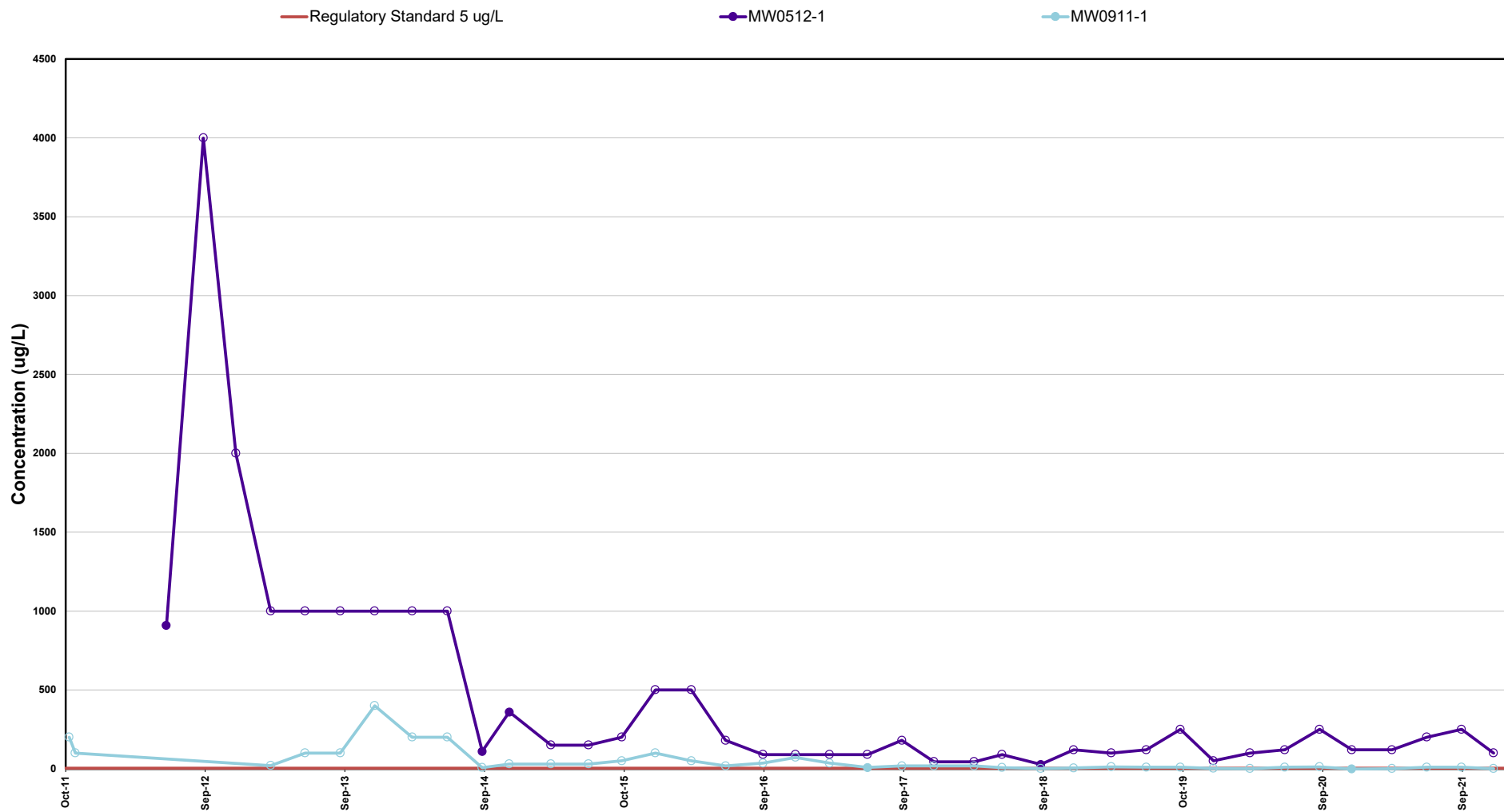


Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Xylenes (total) Trend

AOC-3

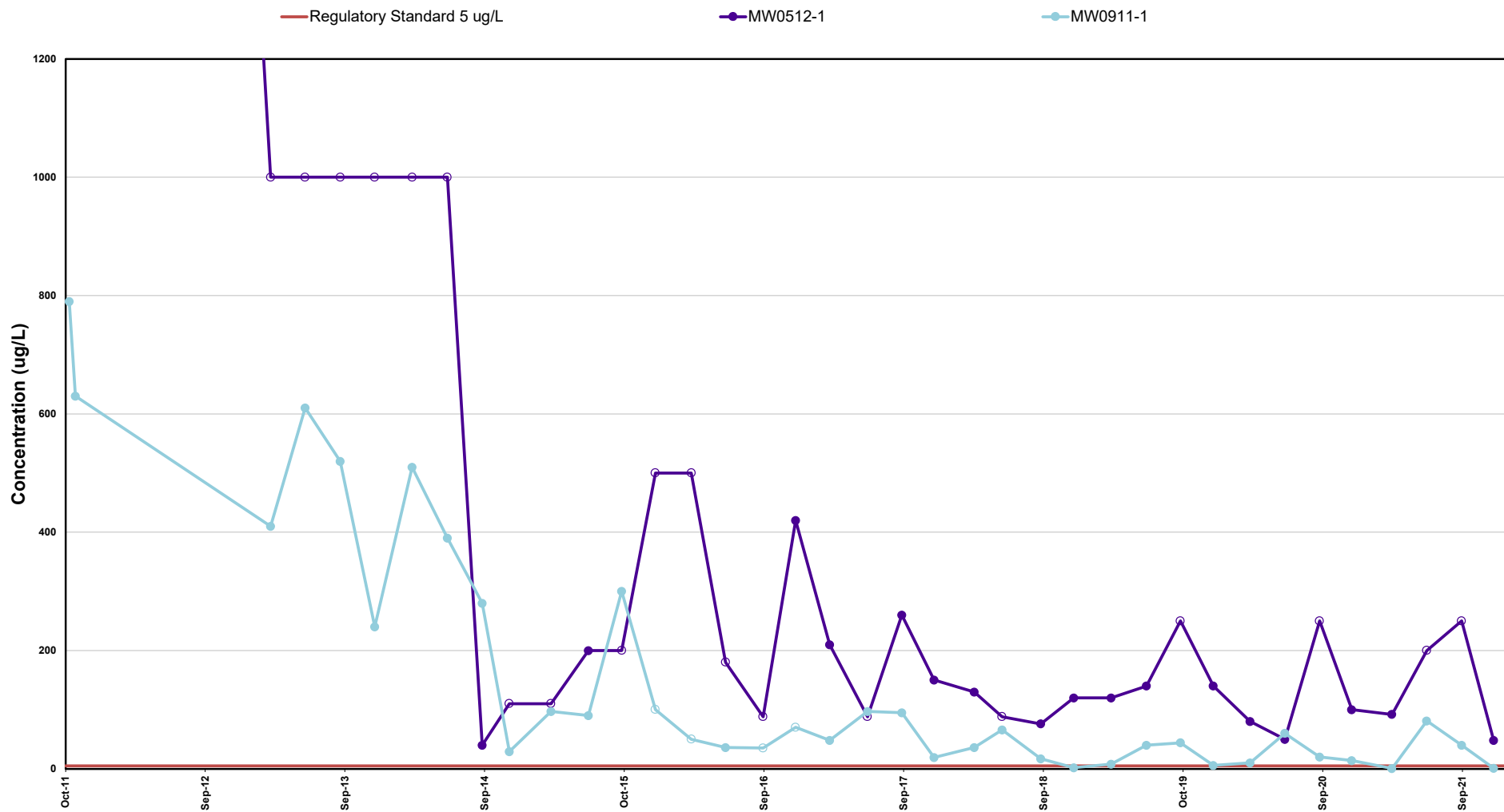
AOC-4



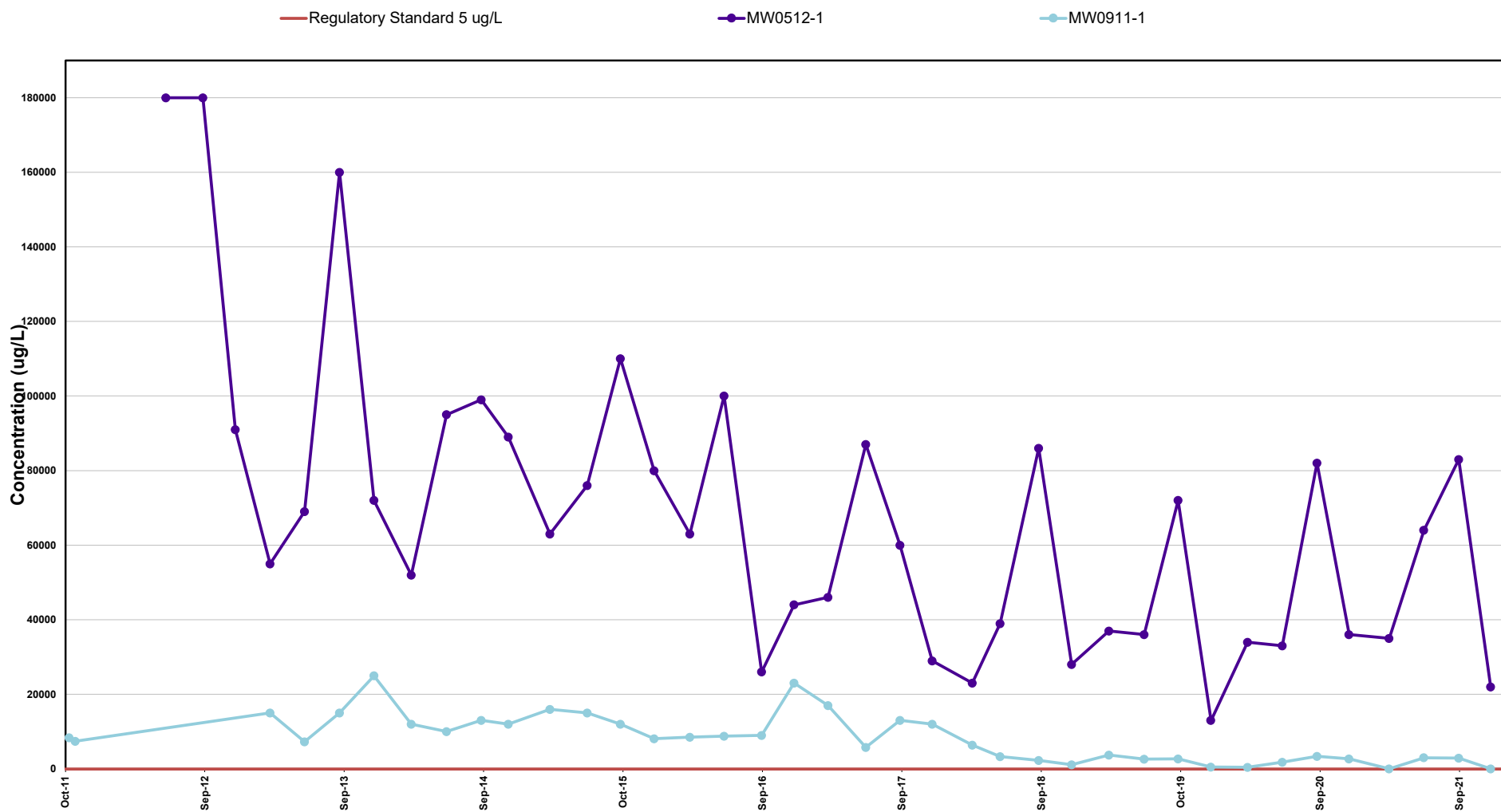
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Tetrachloroethene Trend

AOC-4



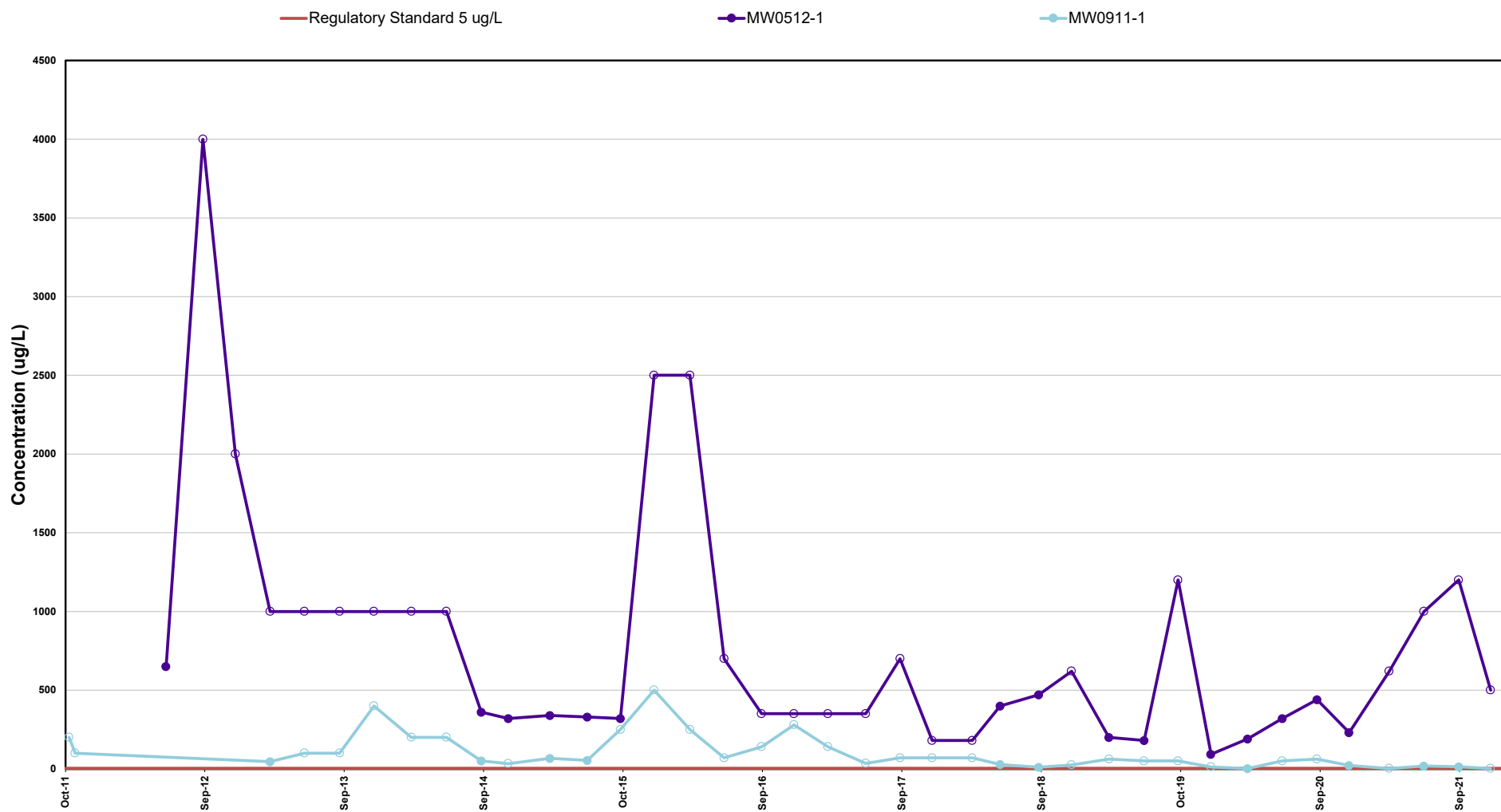
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
cis-1,2-Dichloroethene Trend

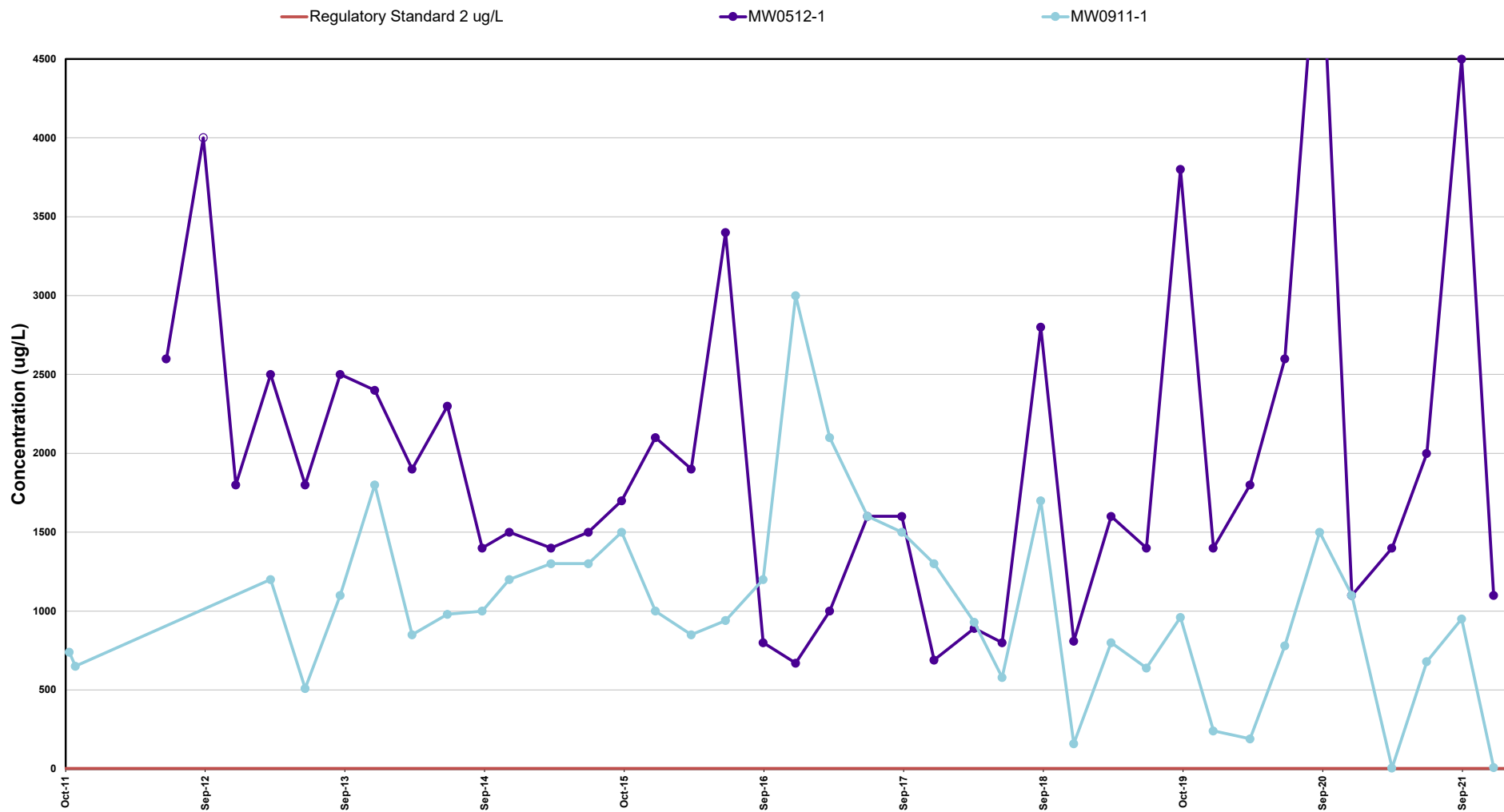
AOC-4



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
trans-1,2-Dichloroethene Trend

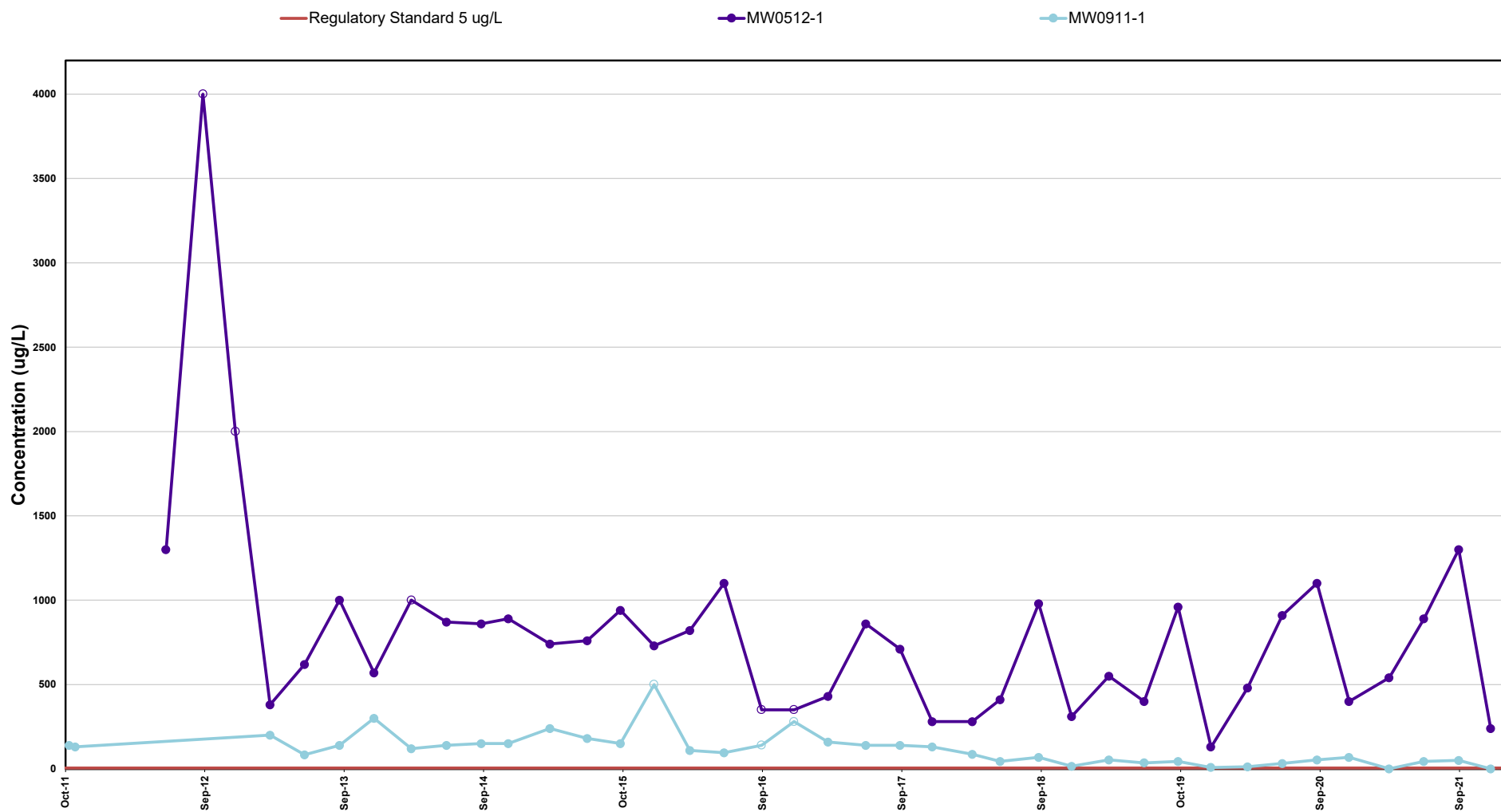
AOC-4



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Vinyl chloride Trend

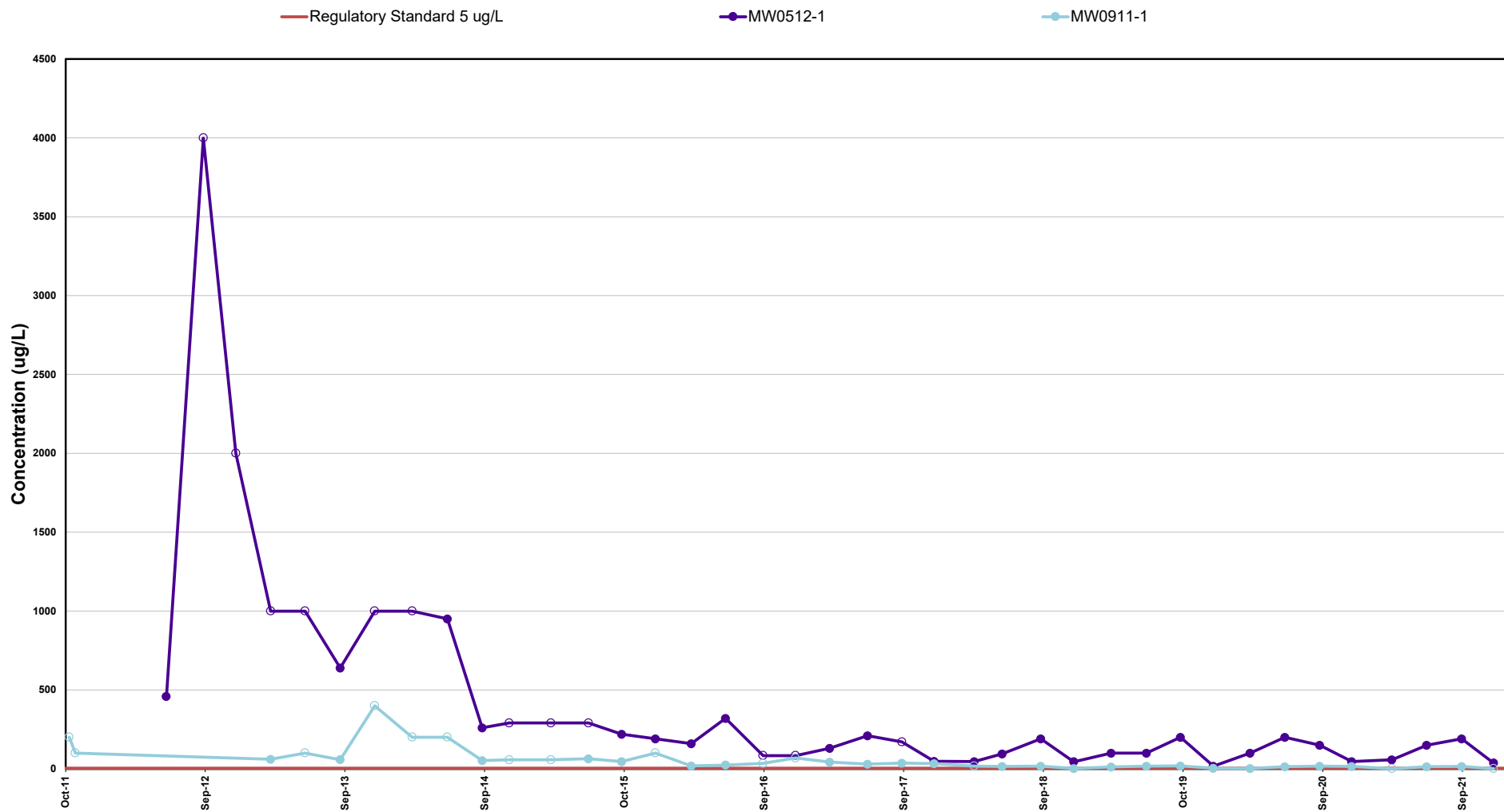
AOC-4



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
1,1-Dichloroethane Trend

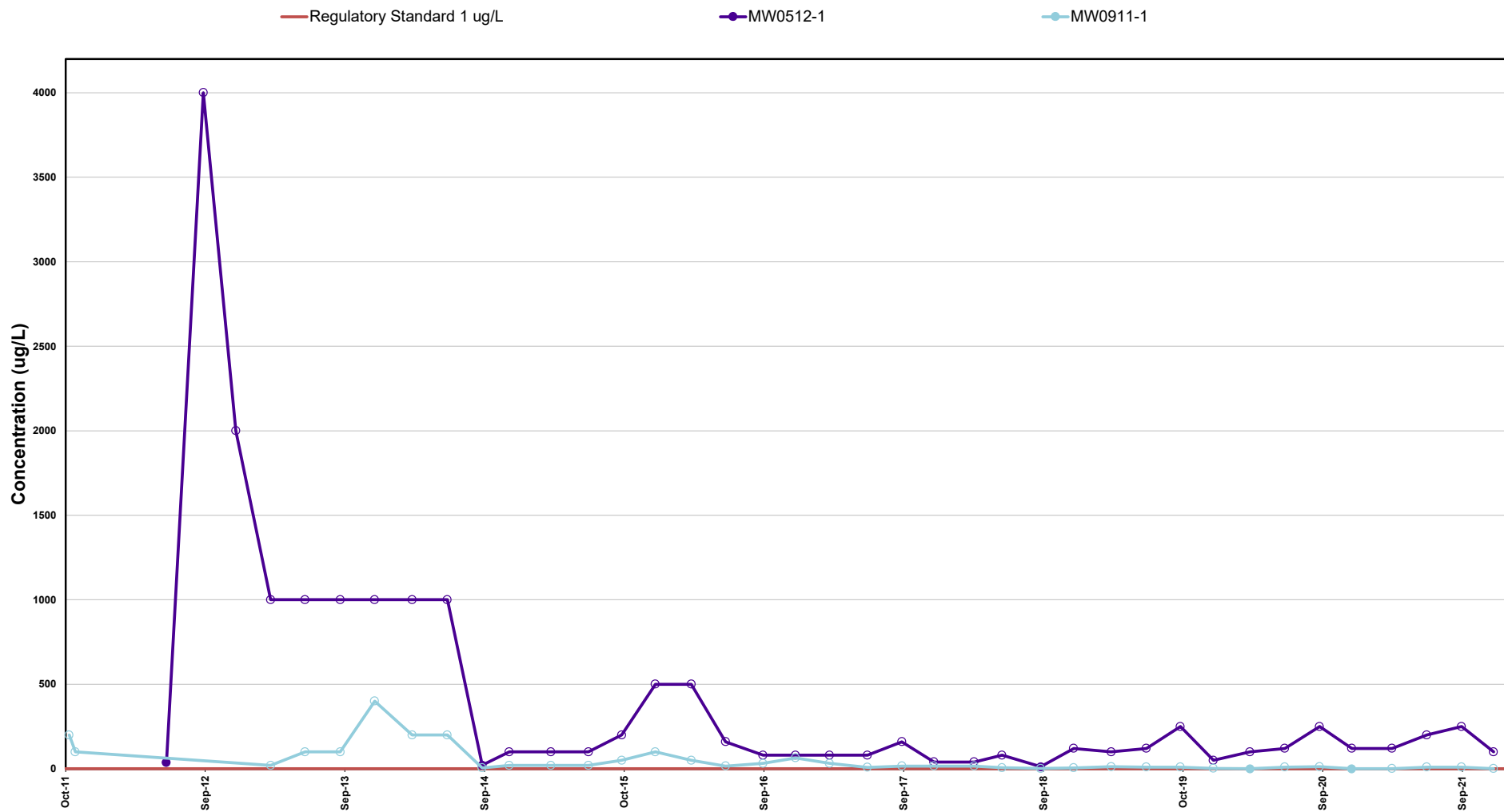
AOC-4



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
1,1-Dichloroethene Trend

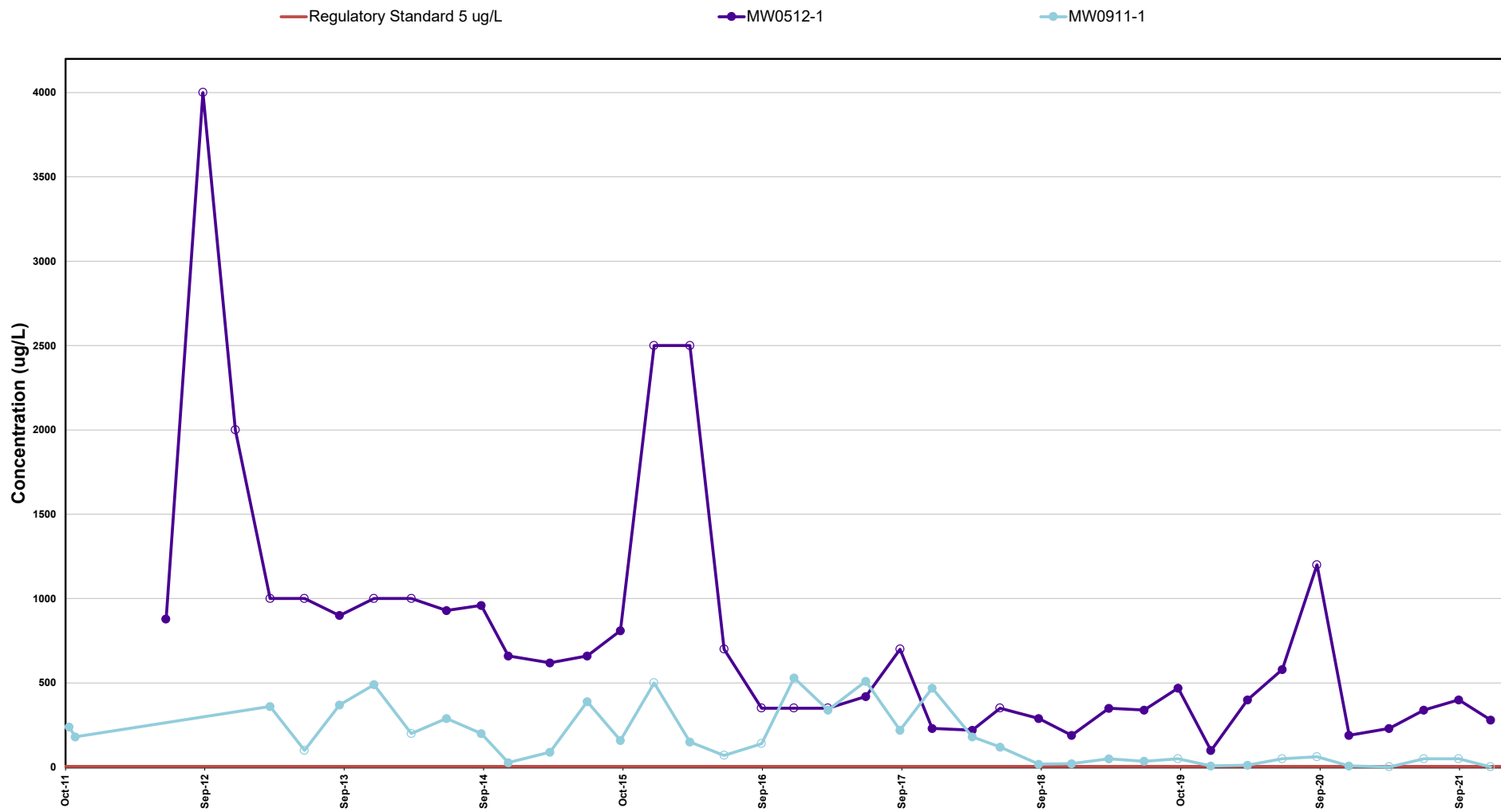
AOC-4



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Benzene Trend

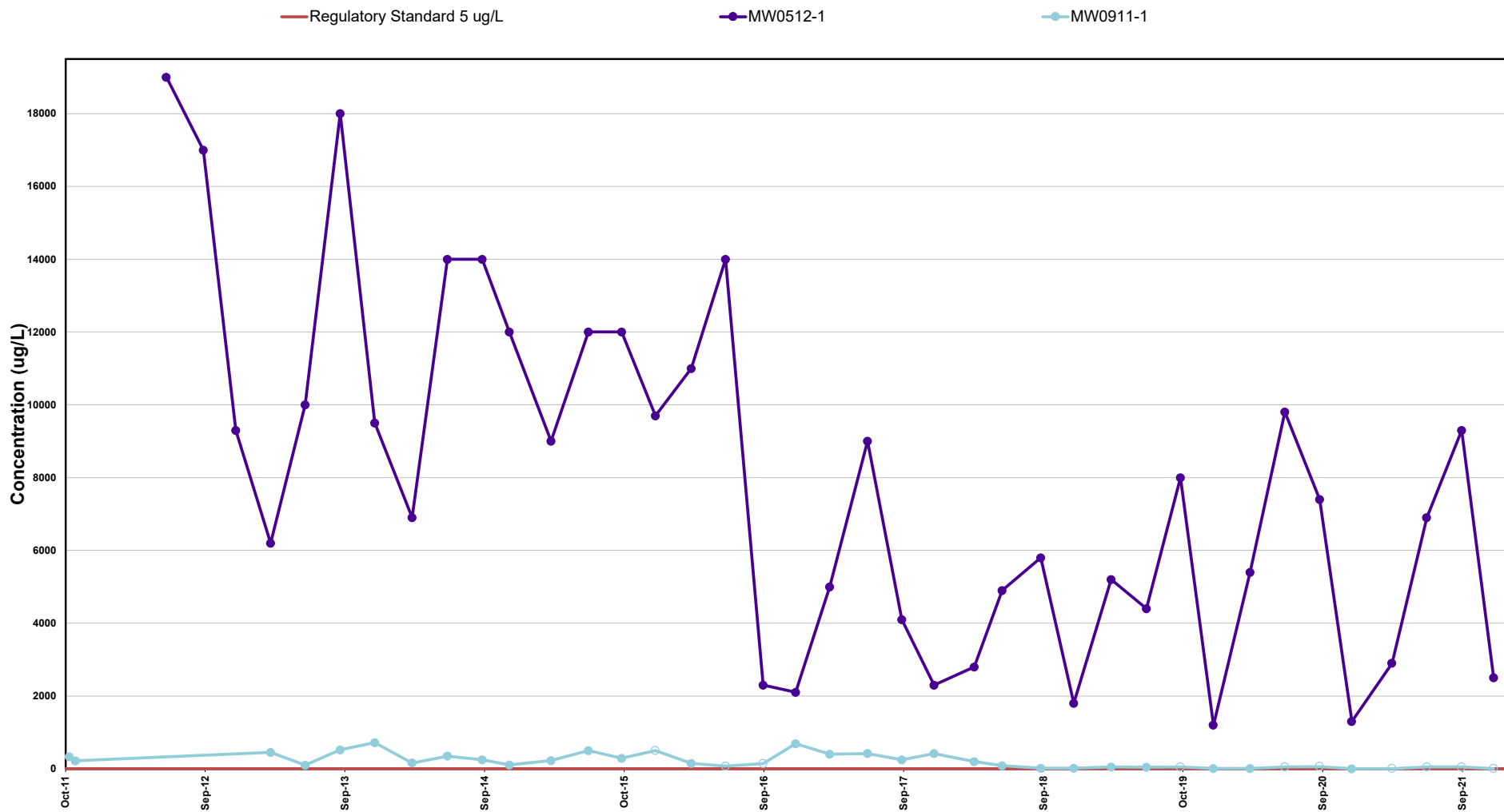
AOC-4



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Ethylbenzene Trend

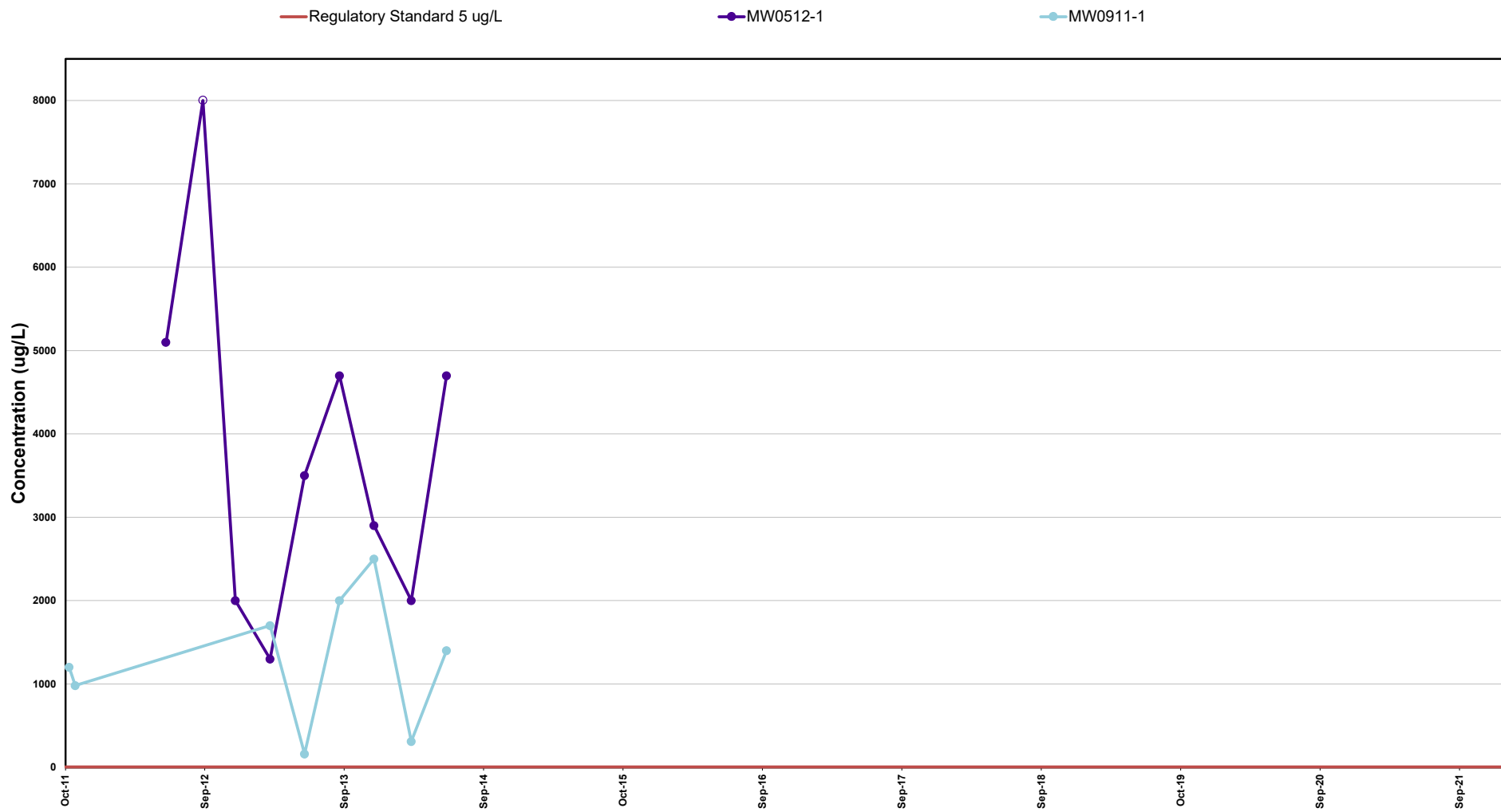
AOC-4



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Toluene Trend

AOC-4



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Xylenes (total) Trend

AOC-4

AOC-5



Table 7
Summary of AOC-5 Groundwater Monitoring Results

Garlock Sealing Technologies
Site No. 3 BCP Site
BCP Site #C859028

AOC-5

Sampling Location	Sampling Date	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	1,1-Dichloroethene	1,1-Dichloroethene	2-Butanone (Methyl ethyl ketone) (MEK)	Acetone	Benzene	Carbon disulfide	Chloroethane	Chloroform (Trichloromethane)	Methyl cyclohexane	Toluene
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Regulatory Standard	5	5	5	2	5	5	50	50	1	60	5	7	5	5
MW0610-1	08/08/11	820	2,600	<40	610	-	<40	-	-	-	-	-	-	-	-
MW0610-1	09/29/11	29	890	<10	130	-	-	-	-	-	-	-	-	-	-
MW0610-1	10/26/11	12	1,400	<20	450	-	-	-	-	-	-	-	-	-	-
MW0610-1	03/23/12	3.7	260	2.2	150	-	1.6	610	1,100	-	0.93 J	-	-	-	2.1
MW0610-1	06/20/12	<10	560	<10	290	<10	<10	120	210	<10	4 J	<10	<10	<10	<10
MW0610-1	09/26/12	<5	330	<5	400	<5	<5	<50	<50	<5	5.6	<5	<5	<5	<5
MW0610-1	12/21/12	2.5 J	220	<5	170	<5	<5	<50	<50	<5	<5	<5	<5	<5	7.3
MW0610-1	03/21/13	2.3 J	200	<5	220	<5	<5	<50	<50	<5	<5	<5	<5	<5	3.9 J
MW0610-1	09/19/13	<5	250	<5	250	<5	<5	<50	<50	<5	<5	<5	<5	<5	<5
MW0610-1	12/18/13	1.3	86	<1	92	<1	<1	<10	<10	<1	<1	<1	<1	<1	1.3
MW0610-1	03/26/14	1.8	89	<1	82	<1	<1	<10	<10	<1	<1	<1	<1	<1	<1
MW0610-1	06/26/14	0.59 J	46	<1	49	<1	<1	<10	<10	<1	<1	<1	<1	<1	<1
MW0610-1	09/24/14	0.27 J	31	0.34 J	32	<0.2	<0.57	<0.81	<1.3	<0.2	<0.22	0.46 J	<0.25	<0.27	<0.2
MW0610-1	12/05/14	0.37 J	33	0.36 J	36	<0.2	<0.57	<0.81	<1.3	<0.2	<0.22	<0.24	<0.25	<0.27	<0.2
MW0610-1	03/23/15	0.25 J	11	<0.33	17	<0.2	<0.57	<0.81	<1.3	<0.2	<0.22	<0.24	<0.25	<0.27	<0.2
MW0610-1	06/29/15	<0.22	4.2	<0.33	6.2	<0.2	<0.57	<0.81	<1.3	<0.2	<0.22	<0.24	<0.25	<0.27	<0.2
MW0610-1	09/24/15	<0.5	3.3	<2.5	7.2	<2.5	<0.5	<5	<5	<0.5	<5	0.83 J	<2.5	<10	<2.5
MW0610-1	12/21/15	<0.5	9.7	<2.5	19	<2.5	<0.5	<5	<5	<0.5	<5	<2.5	<2.5	<10	<2.5
MW0610-1	03/24/16	0.5	6.8	<2.5	7.7	<2.5	<0.5	<5	<5	0.23 J	<5	<2.5	1.3 J	<10	<2.5
MW0610-1	06/22/16	0.37 J	24	<0.7	38	<0.7	<0.14	<1.9	1.9 J	<0.16	<1	<0.7	<0.7	<0.4	<0.7
MW0610-1	09/28/16	0.24 J	11	<0.7	21	<0.7	<0.17	<1.9	<1.5	<0.16	<1	<0.7	<0.7	<0.4	<0.7
MW0610-1	12/22/16	0.4 J	24	<0.7	31	<0.7	<0.17	<1.9	<1.5	<0.16	<1	<0.7	<0.7	<0.4	<0.7
MW0610-1	03/21/17	0.57	22	<0.7	36	<0.7	<0.17	<1.9	<1.5	<0.16	<1	<0.7	<0.7	<0.4	<0.7
MW0610-1	06/28/17	0.32 J	15	<0.7	24	<0.7	<0.17	<1.9	<1.5	<0.16	<1	<0.7	<0.7	<0.4	<0.7
MW0610-1	09/26/17	0.41 J	22	<0.7	26	<0.7	<0.17	<1.9	<1.5	<0.16	<1	<0.7	<0.7	<0.4	<0.7
MW0610-1	12/19/17	0.33 J	17	<0.7	20	<0.7	<0.17	<1.9	<1.5	<0.16	<1	<0.7	<0.7	<0.4	<0.7
MW0610-1	04/03/18	0.3 J	14	<0.7	19	<0.7	<0.17	<1.9	<1.5	<0.16	<1	<0.7	<0.7	<0.4	<0.7
MW0610-1	06/15/18	0.46 J	18	<0.7	16	<0.7	<0.17	<1.9	<1.5	<0.16	<1	<0.7	<0.7	<0.4	<0.7
MW0610-1	09/24/18	0.41 J	34	<0.7	42	<0.7	<0.17	<1.9	<1.5	<0.16	<1	<0.7	<0.7	<0.4	<0.7
MW0610-1	12/19/18	0.40 J	30	<2.5	42	<2.5	<0.50	<5.0	<5.0	<0.50	<5.0	<2.5	<2.5	<10	<2.5
MW0610-1	03/27/19	0.46 J	33	<2.5	46	<2.5	<0.50	<5.0	<5.0	<0.50	<5.0	<2.5	<2.5	<10	<2.5
MW0610-1	06/27/19	2.0	49	<2.5	44	<2.5	0.21 J	<5.0	<5.0	<0.50	<5.0	<2.5	<2.5	<10	<2.5
MW0610-1	09/24/19	2.5	58	<2.5	80	<2.5	0.21 J	<5.0	2.7 J	<0.50	<5.0	<2.5	<2.5	<10	<2.5
MW0610-1	12/19/19	1.9	51	<2.5	83	<2.5	0.18 J	<5.0	<5.0	<0.50	<5.0	<2.5	<2.5	<10	<2.5
MW0610-1	03/24/20	2.0	48	<2.5	68	<2.5	0.18 J	<5.0	2.5 J	<0.50	<5.0	<2.5	<2.5	<10	<2.5
MW0610-1	06/23/20	2.5	65	<2.5	80	<2.5	<0.50	<5.0	<5.0	<0.50	<5.0	<2.5	<2.5	<10	<2.5
MW0610-1	09/22/20	2.4	61	0.74 J	88	<2.5	0.23 J	<5.0	1.9 J	<0.50	<5.0	<2.5	<2.5	2.3 J	<2.5
MW0610-1	12/15/20	3.2	83	0.86 J	110	<2.5	0.31 J	<5.0	<5.0	<0.50	<5.0	<2.5	<2.5	<10	<2.5
MW0610-1	03/30/21	2.5	93	0.99 J	150	<2.5	0.29 J	<5.0	1.6 J	<0.50	<5.0	<2.5	<2.5	<10	<2.5
MW0610-1	06/29/21	2.6	110	1.2	180	<2.5	0.25	<5.0	<5.0	<0.50	<5.0	<2.5	<2.5	<10	<2.5
MW0610-1	09/28/21	2.5	120	1.3 J	140	<2.5	0.38 J	<5.0	1.6 J	<0.50	<5.0	<2.5	<2.5	<10	<2.5
MW0610-1	12/21/21	5.1	170	1.7 J	230	<2.5	0.46 J	<5.0	<5.0	<0.50	<5.0	<2.5	<2.5	<10	<2.5

Notes:
Only analytes that exceeded Class GA Regulatory Standards in samples taken from at least one monitoring well during at least one monitoring event are included here
Regulatory Standard - Class GA Groundwater Quality Standard or Guidance Value from NYSDEC Division of Water TOGS 1.1.1 (June 1998)
<### Not detected above indicated laboratory reporting limit.
J estimated value
mg/L milligrams per liter
ug/L micrograms per liter
Bold and highlighted cells indicate an exceedance of Class GA Regulatory Standards



Table 7
Summary of AOC-5 Groundwater Monitoring Results

Garlock Sealing Technologies
Site No. 3 BCP Site
BCP Site #C859028

Sampling Location	Sampling Date	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	1,1-Dichloroethane	1,1-Dichloroethene	2-Butanone (Methyl ethyl ketone) (MEK)	Acetone	Benzene	Carbon disulfide	Chloroethane	Chloroform (Trichloromethane)	Methyl cyclohexane	Toluene
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Regulatory Standard	5	5	5	2	5	5	50	50	1	60	5	7	-	5
MW0811-1	08/08/11	99	6,300	<100	800	-	<100	-	-	-	-	-	-	-	-
MW0811-1	09/29/11	<20	670	47	1,500	-	-	-	-	-	-	-	-	-	-
MW0811-1	10/26/11	<10	580	33	670	-	-	-	-	-	-	-	-	-	-
MW0811-1	03/23/12	2.4	1,100	7.3	350	-	1.2	<1	4.9 J	0.49 J	0.7 J	2.1	-	0.44 J	-
MW0811-1	06/20/12	<10	670	<10	370	<10	<10	120	42 J	<10	<10	<10	<10	<10	<10
MW0811-1	09/26/12	<10	570	<10	350	<10	<10	96 J	48 J	<10	<10	<10	<10	<10	<10
MW0811-1	12/21/12	<10	510	<10	130	<10	<10	<100	<100	<10	8.7 J	<10	<10	<10	<10
MW0811-1	03/21/13	<10	490	<10	280	<10	<10	<100	<100	<10	<10	<10	<10	<10	<10
MW0811-1	06/19/13	<10	460	<10	180	<10	<10	<100	<100	<10	<10	<10	<10	<10	<10
MW0811-1	09/19/13	<10	420	<10	140	<10	<10	<100	<100	<10	2.7 J	<10	<10	<10	<10
MW0811-1	12/18/13	<5	340	<5	180	<5	<5	<50	<50	<5	<5	<5	<5	<5	<5
MW0811-1	03/26/14	<5	320	<5	190	<5	<5	<50	<50	<5	<5	<5	<5	<5	<5
MW0811-1	06/26/14	<5	420	<5	220	<5	<5	<50	<50	<5	<5	<5	<5	<5	<5
MW0811-1	09/24/14	0.53 J	290	1.4 J	160	<0.2	<0.57	<0.81	1.7 J	<0.2	0.75 J	<0.24	<0.25	<0.27	<0.2
MW0811-1	12/05/14	0.6 J	270	1.5 J	160	<0.5	<1.5	<2.1	<3.1	<0.5	<0.55	<0.6	<0.63	0.83 J	<0.5
MW0811-1	03/23/15	0.62 J	290	2.2	290	<0.4	<1.2	<1.7	4.3 J	<0.4	<0.44	<0.48	<0.5	<0.54	<0.4
MW0811-1	06/29/15	<0.44	290	4.4	370	<0.4	<1.2	<1.7	<2.5	<0.4	<0.44	<0.48	0.78 J	<0.54	<0.4
MW0811-1	09/24/15	<2	260	<10	400	<10	<2	<20	8.1 J	<2	<20	<10	<10	<40	<10
MW0811-1	12/21/15	<2.5	210	<12	300	<12	<2.5	<25	<25	<2.5	<25	<12	<12	<50	<12
MW0811-1	03/24/16	0.4 J	190	<5	240	<5	0.31 J	<10	<10	0.33 J	2.2 J	<5	<5	0.99 J	<5
MW0811-1	06/22/16	<0.35	170	<1.4	470	<1.4	0.3 J	<3.9	<2.9	<0.32	<2	<1.4	<1.4	<0.79	<1.4
MW0811-1	09/28/16	<0.7	180	<2.8	380	<2.8	<0.68	<7.8	<5.8	<0.64	<4	<2.8	<2.8	<1.6	<2.8
MW0811-1	12/22/16	<0.44	160	<1.8	670	<1.8	<0.42	<4.8	<3.6	<0.4	<2.5	<1.8	<1.8	<0.99	<1.8
MW0811-1	03/21/17	<0.88	200	<3.5	940	<3.5	<0.84	<9.7	<7.3	<0.8	<5	<3.5	<3.5	<2	<3.5
MW0811-1	06/28/17	<1.8	130	<7	730	<7	<1.7	<19	<15	<1.6	<10	<7	<7	<4	<7
MW0811-1	09/26/17	0.2 J	190	0.94 J	380	<0.7	0.27 J	<1.9	<1.5	<0.16	<1	<0.7	<0.7	<0.4	<0.7
MW0811-1	12/19/17	<0.88	130	<3.5	400	<3.5	<0.84	<9.7	<7.3	<0.8	<5	<3.5	<3.5	<2	<3.5
MW0811-1	04/03/18	<1.8	130	<7	640	<7	<1.7	<19	<15	<1.6	<10	<7	<7	<4	<7
MW0811-1	06/15/18	<0.88	77	<3.5	330	<3.5	<0.84	<9.7	<7.3	<0.8	<5	<3.5	<3.5	<2	<3.5
MW0811-1	09/24/18	<0.44	71	<1.8	560	<1.8	<0.42	<4.8	<3.6	<0.4	<2.5	<1.8	<1.8	<0.99	<1.8
MW0811-1	12/19/18	<2.5	190	<12	700	<12	<2.5	<25	<25	<2.5	<25	<12	<12	<50	<12
MW0811-1	03/27/19	<2.0	130	<10	710	<10	<2.0	<20	<20	<2.0	<20	<10	<10	<40	<10
MW0811-1	06/27/19	<5.0	220	<25	1,000	<25	<5.0	<50	<50	<5.0	<50	<25	<25	<100	<25
MW0811-1	09/24/19	<2.5	100	<12	720	<12	<2.5	<25	<25	<2.5	<25	<12	<12	<50	<12
MW0811-1	12/19/19	<5.0	240	<25	1,300	<25	<5.0	<50	<50	<5.0	<50	<25	<25	<100	<25
MW0811-1	03/24/20	<2.5	190	<12	930	<12	<2.5	<25	<25	<2.5	<25	<12	<12	<50	<12
MW0811-1	06/23/20	<2.5	94	<12	740	<12	<2.5	<25	<25	<2.5	<25	<12	<12	<50	<12
MW0811-1	09/22/20	<5.0	120	<25	840	<25	<5.0	<50	<50	<5.0	<50	<25	<25	<100	<25
MW0811-1	12/15/20	<2.5	240	<12	990	<12	<2.5	<25	<25	<2.5	<25	<12	<12	<50	<12
MW0811-1	03/30/21	<5.0	230	<25	1,200	<25	<5.0	<50	<50	<5.0	<50	<25	<25	<100	<25
MW0811-1	06/29/21	<1.0	210	<5.0	1,100	<5.0	<1.0	<10	<10	<1.0	<10	<5.0	<5.0	<20	<5.0
MW0811-1	09/28/21	<1.0	210	<5.0	600	<5.0	<1.0	<10	<10	<1.0	<10	<5.0	<5.0	<20	<5.0
MW0811-1	12/21/21	<5.0	270	<25	940	<25	<5.0	<50	<50	<5.0	<50	<25	<25	<100	<25

Notes:
Only analytes that exceeded Class GA Regulatory Standards in samples taken from at least one monitoring well during at least one monitoring event are included here
Regulatory Standard - Class GA Groundwater Quality Standard or Guidance Value from NYSDEC Division of Water TOGS 1.1.1 (June 1998)
<### Not detected above indicated laboratory reporting limit.
J estimated value
mg/L, milligrams per liter
ug/L, micrograms per liter
Bold and highlighted cells indicate an exceedance of Class GA Regulatory Standards



Table 7
Summary of AOC-5 Groundwater Monitoring Results

Garlock Sealing Technologies
Site No. 3 BCP Site
BCP Site #C859028

Sampling Location	Sampling Date	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	1,1-Dichloroethane	1,1-Dichloroethene	2-Butanone (Methyl ethyl ketone) (MEK)	Acetone	Benzene	Carbon disulfide	Chloroethane	Chloroform (Trichloromethane)	Methyl cyclohexane	Toluene
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Regulatory Standard	5	5	5	2	5	5	50	50	1	60	5	7	-	5
MW-63	08/08/11	<1	61	<1	<1	-	<1	-	-	-	-	-	-	-	-
MW-63	09/29/11	2.3	180	<4	23	-	-	-	-	-	-	-	-	-	-
MW-63	10/26/11	<2	97	9.8	79	-	-	-	-	-	-	-	-	-	-
MW-63	03/23/12	1.2	230	2.6	150	0.61	0.61	460	48	-	0.93	-	-	-	-
MW-63	06/20/12	3.4 J	540	<4	330	<4	<4	<40	<40	<4	<4	<4	<4	<4	<4
MW-63	09/26/12	<4	280	<4	180	<4	<4	<40	<40	<4	<4	<4	<4	<4	<4
MW-63	12/21/12	2.4 J	300	<4	130	<4	<4	<40	<40	<4	<4	<4	<4	<4	<4
MW-63	03/21/13	2.3 J	500	<4	300	<4	<4	<40	<40	<4	<4	<4	<4	<4	<4
MW-63	06/19/13	<8	490	<8	330	<8	<8	<80	<80	<8	<8	<8	<8	<8	<8
MW-63	09/19/13	<8	380	<8	220	<8	<8	<80	<80	<8	<8	<8	<8	<8	<8
MW-63	12/18/13	<5	320	<5	190	<5	<5	<50	<50	<5	<5	<5	<5	<5	<5
MW-63	03/26/14	2.3 J	500	<5	310	<5	<5	<50	<50	<5	<5	<5	<5	<5	<5
MW-63	06/26/14	<5	480	<5	290	<5	<5	<50	<50	<5	<5	<5	<5	<5	<5
MW-63	09/24/14	0.87 J	230	1.4 J	150	0.9 J	<0.57	<0.81	<1.3	<0.2	<0.22	<0.24	<0.25	<0.27	0.37 J
MW-63	12/05/14	0.96 J	260	2	180	0.9 J	<1.2	<1.7	<2.5	<0.4	<0.44	<0.48	<0.5	<0.54	<0.4
MW-63	03/23/15	1.4 J	360	4.1	260	1.1 J	<1.2	<1.7	<2.5	<0.4	<0.44	<0.48	<0.5	<0.54	<0.4
MW-63	06/29/15	0.96 J	320	7	230	0.9 J	<1.2	<1.7	<2.5	<0.4	<0.44	<0.48	0.58 J	<0.54	<0.4
MW-63	09/24/15	<2	240	<10	270	<10	<2	<20	7.7 J	<2	<20	<10	<10	<40	<10
MW-63	12/21/15	<1.2	160	<6.2	190	<6.2	<1.2	<12	<12	<1.2	<12	<6.2	<6.2	<25	<6.2
MW-63	03/24/16	<2	280	<10	260	<10	0.58 J	<20	<20	<2	<20	<10	<10	1.8 J	<10
MW-63	06/22/16	<0.88	430	<3.5	440	<3.5	<0.71	<9.7	<7.3	<0.8	<5	<3.5	<3.5	<2	<3.5
MW-63	09/28/16	<0.7	260	<2.8	250	<2.8	<0.68	<7.8	<5.8	<0.64	<4	<2.8	<2.8	<1.6	<2.8
MW-63	12/22/16	<1.8	470	<7	360	<7	<1.7	<19	<15	<1.6	<10	<7	<7	<4	<7
MW-63	03/21/17	<1.8	440	<7	410	<7	<1.7	<19	<15	<1.6	<10	<7	<7	<4	<7
MW-63	06/28/17	<0.18	<0.7	<0.7	<0.07	<0.7	<0.17	<1.9	<1.5	1.2	<1	<0.7	<0.7	45	<0.7
MW-63	09/26/17	0.44 J	270	<1.4	270	<1.4	0.55 J	<3.9	<2.9	<0.32	<2	<1.4	<1.4	<0.79	<1.4
MW-63	12/19/17	0.52 J	300	<1.8	230	<1.8	0.62 J	<4.8	<3.6	<0.4	<2.5	<1.8	<1.8	<0.99	<1.8
MW-63	04/03/18	<0.88	360	<3.5	370	<3.5	0.92 J	<9.7	<7.3	<0.8	<5	<3.5	<3.5	<2	<3.5
MW-63	06/15/18	<0.88	310	<3.5	240	<3.5	<0.84	<9.7	<7.3	<0.8	<5	<3.5	<3.5	<2	<3.5
MW-63	09/24/18	<0.44	280	<1.8	290	<1.8	0.52 J	<4.8	<3.6	<0.4	<2.5	<1.8	<1.8	<0.99	<1.8
MW-63	12/19/18	<1.2	260	<6.2	260	<6.2	0.66 J	<12	<12	<1.2	<12	<6.2	<6.2	<25	<6.2
MW-63	03/27/19	0.27 J	280	1.1 J	300	0.98 J	0.63	<5.0	<5.0	<0.50	<5.0	<2.5	<2.5	<10	<2.5
MW-63	06/27/19	<1.2	300	<6.2	280	<6.2	0.76 J	<12	<12	<1.2	<12	<6.2	<6.2	<25	<6.2
MW-63	09/24/19	<1.0	200	<5.0	230	<5.0	0.43 J	<10	3.7 J	<1.0	<10	<5.0	<5.0	<20	<5.0
MW-63	12/19/19	<1.2	210	<6.2	330	<6.2	0.48 J	<12	<12	<1.2	<12	<6.2	<6.2	<25	<6.2
MW-63	03/24/20	<1.0	290	<5.0	320	<5.0	0.55 J	<10	<10	<1.0	<10	<5.0	<5.0	<20	<5.0
MW-63	06/23/20	<1.2	230	<6.2	260	<6.2	<1.2	<12	<12	<1.2	<12	<6.2	<6.2	<25	<6.2
MW-63	09/22/20	<0.50	150	0.82 J	210	1.1 J	0.31 J	<5.0	<5.0	<0.50	<5.0	<2.5	<2.5	<10	<2.5
MW-63	12/15/20	<1.0	240	<5.0	260	<5.0	0.61 J	<10	<10	<1.0	<10	<5.0	<5.0	<20	<5.0
MW-63	03/30/21	<1.2	280	<6.2	370	2.0 J	0.52 J	<12	3.6 J	<1.2	<12	<6.2	<6.2	<25	<6.2
MW-63	06/29/21	<1.0	290	1.4	370	<5.0	0.63	<10	<10	<1.0	<10	<5.0	<5.0	<20	<5.0
MW-63	09/28/21	0.40 J	270	1.6 J	380	1.5 J	0.78 J	<10	<10	<1.0	<10	<5.0	<5.0	<20	<5.0
MW-63	12/21/21	<1.2	300	<6.2	270	<6.2	0.82 J	<12	<12	<1.2	<12	<6.2	<6.2	<25	<6.2

Notes:
Only analytes that exceeded Class GA Regulatory Standards in samples taken from at least one monitoring well during at least one monitoring event are included here
Regulatory Standard - Class GA Groundwater Quality Standard or Guidance Value from NYSDEC Division of Water TOGS 1.1.1 (June 1998)
<### Not detected above indicated laboratory reporting limit.
J estimated value
mg/L milligrams per liter
ug/L micrograms per liter
Bold and highlighted cells indicate an exceedance of Class GA Regulatory Standards



Table 7
Summary of AOC-5 Groundwater Monitoring Results

Garlock Sealing Technologies
Site No. 3 BCP Site
BCP Site #C859028

AOC-5

Sampling Location	Sampling Date	Iron	Magnesium	Manganese	Ethane	Ethene	Methane	Alkalinity, total (as CaCO ₃)	Biochemical oxygen demand (total BOD ₅)	Chemical oxygen demand (COD)	Chloride	Hardness	Nitrate (as N)	Sulfate	Total organic carbon (TOC)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Regulatory Sta	0.3	35	0.3											
MW0610-1	08/08/11	0.18	76.6	0.24	0.014	0.014	0.087	283	<2	-	688	1,250	<0.05	692	1.7
MW0610-1	09/29/11	29.7	83	1.8	<0.15	<0.15	1.4	650	216	-	1,400	979	<0.1	120	139
MW0610-1	10/26/11	21.2	86.5	1.7	0.0097	0.14	3.8	694	127	-	1,110	1,050	<0.05	221	44.9
MW0610-1	03/23/12	0.0412	0.121	0.0016	0.08	-	11	760	112	209	905	1,250	<0.05	120	46.6
MW0610-1	06/20/12	37.6	121	0.88	<3.6	-	4.8	576	70.2	82.2	674	1,470	<0.05	397	16.1
MW0610-1	09/26/12	59.6	177	1.7	<0.75	-	3.3	682	21.9	46.1	814	1,710	0.035 J	131	6.3
MW0610-1	12/21/12	53.6	147	1.6	<0.75	-	9.6	612	6.4	31.3	786	1,390	0.033 J	145	7.1
MW0610-1	03/21/13	20	86.4	1.2	0.016	-	4.4	492	12.3	66.3	1,100	888	0.051	105	6
MW0610-1	09/19/13	17.3	94.4	1	<0.75	-	7.5	401	20.4	<10	1,070	1,040	<0.05	142	3.7
MW0610-1	12/18/13	12.8	103	1.1	<0.38	-	12	374	12.5	20.9	1,300	1,110	<0.05	111	3.4
MW0610-1	03/26/14	9.4	86.9	0.77	<0.38	-	7	335	<2	36.5	1,860	1,680	<0.05	138	3.7
MW0610-1	06/26/14	10.8	85.5	0.85	<0.38	-	8.5	326	13.5	36	2,060	991	<0.05	126	2.9
MW0610-1	09/24/14	13.5	115	1.02	0.04	-	8.4	332	13.7	18.8	1,420	1,680	<0.2	75.2	2.5
MW0610-1	12/05/14	13	95.3	0.994	<0.02	-	9.7	301	14.6	16.2	1,430	1,150	<0.2	71.4	2.8
MW0610-1	03/23/15	14.2	91.8	0.846	<0.02	-	8.2	263	7.7	9	1,530	1,040	<0.2	57.2	2.5
MW0610-1	06/29/15	6.88	103	0.945	0.024 J	-	8.7	306	2.6	15.8	1,820	1,180	<0.5	66.7	2.4
MW0610-1	09/24/15	7.5	67	0.673	0.00999	0.00163	5.93	278	6.7	110	1,350	750	0.03 J	39.6	2.4 J
MW0610-1	12/21/15	8.1	78	0.735	0.0163	0.00627	6.63	310	23	84	1,150	860	0.027 J	63.1	5.6
MW0610-1	03/24/16	11.3	74.7	0.6276	0.0109	0.00231	5.17	254	9.2	32	1,450	792.6	0.037 J	52.7	5.13
MW0610-1	06/22/16	8.03	85.7	0.8193	0.0151	0.0065	6	304	<2	32	1,100	931.4	0.05 J	74.4	1.67
MW0610-1	09/28/16	6.24	73.6	0.7482	0.0108	0.0024	5.25	310	<2	35	1,160	833.8	<0.019	88.3	6.57
MW0610-1	12/22/16	4.67	76.7	0.7221	0.0107	0.00458	4.72	303	<3	44	1,510	834	<0.019	86.7	2.17 J
MW0610-1	03/21/17	17	117	1.042	0.012	0.00417	7.1	285	2.8	96	1,930	1,184	<0.019	99.4	9.93 J
MW0610-1	06/28/17	15	84.9	0.994	0.0102	0.00333	5.84	273	8.3	49	1,940	1,054	<0.023	112	0.94 J
MW0610-1	09/26/17	5.5	121	1.195	0.00778	0.00343	3.93	253	<5	76	2,220	1,343	<0.033	99.2	0.75 J
MW0610-1	12/19/17	5.83	116	0.7936	0.0079	0.0104	3.28	249	<5	29	2,170	1,440	<0.033	94	2.26 J
MW0610-1	04/03/18	15.1	134	1.22	0.00782	0.00203	5.25	249	4.4	52	3,110	1,552	<0.033	111	<0.228
MW0610-1	06/15/18	8.26	110	1.164	0.00924	0.00278	5.41	257	<10	86	3,020	1,408	0.038 J	140	0.829
MW0610-1	09/24/18	5.56	119	1.083	0.00838	0.00499	3.59	263	<5	79	2,370	1,385	<0.033	113	0.792
MW0610-1	12/19/18	23.1	143	1.430	0.00853	0.00535	3.36	253	<5.0	94	2,920	1,481	0.042 J	108	0.340 J
MW0610-1	03/27/19	9.89	153	1.260	0.00974	0.00579	3.89	250	<10	52	3,200	1,640	0.042 J	116	0.790
MW0610-1	06/27/19	28.1	196	1.644	0.0101	0.00425	4.37	248	<10	150	2,930	1,670	0.091 J	107	<1.00
MW0610-1	09/24/19	71.4	232	2.426	0.00837	0.00648	3.2	291	<10	60	2,860	2,540	1.8	157	0.944 J
MW0610-1	12/19/19	8.70	151	1.144	0.00967	0.00534	3.65	268	<5.0	130	3,330	1,460	0.11	111	0.610
MW0610-1	03/24/20	26.5	190	1.340	0.0102	0.00665	3.58	258	6.9	89	3,260	2,033	0.046 J	113	0.530
MW0610-1	06/23/20	15.5	177	1.212	0.00875	0.00635	3.47	258	5.4	54	3,070	1,736	0.095 J	138	1.79
MW0610-1	09/22/20	8.16	170	1.279	0.0103	0.00856	3.49	257	<5.0	94	3,140	1,720	0.060 J	143	1.7 J
MW0610-1	12/15/20	6.54	159	1.108	0.0108	0.00869	3.22	258	8.2	44	2,880	1,611	0.032 J	141	0.470 J
MW0610-1	03/30/21	18.7	161	1.115	0.0108	0.00874	3.42	387	<10	120	3,410	1,895	<0.10	153	2.72
MW0610-1	06/29/21	28.0	189	1.200	0.0104	0.0102	2.98	254	<10	110	3,180	2,005	0.028	159	2.29
MW0610-1	09/28/21	34.0	190	1.522	0.0116	0.0110	2.47	238	<10	170	2,860	2,029	<0.10	151	1.33 J
MW0610-1	12/21/21	23.9	199	1.197	0.0129	0.0128	2.37	270	<10	200	3,150	1,828	0.033 J	196	1.19 J

Notes:
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Regulatory Standard - Class GA Groundwater Quality Standard or Guidance Value from NYSDDEC Division of Water TOGS 1.1.1 (June 1998)
-# Not detected above indicated laboratory reporting limit.
J estimated value
mg/L milligrams per liter
ug/L micrograms per liter
Bold and highlighted cells indicate an exceedance of Class GA Regulatory Standards



Table 7
Summary of AOC-5 Groundwater Monitoring Results

Garlock Sealing Technologies
Site No. 3 BCP Site
BCP Site #C859028

Sampling Location	Sampling Date	Iron	Magnesium	Manganese	Ethane	Ethene	Methane	Alkalinity, total (as CaCO ₃)	Biochemical oxygen demand (total BOD ₅)	Chemical oxygen demand (COD)	Chloride	Hardness	Nitrate (as N)	Sulfate	Total organic carbon (TOC)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Regulatory Sta	0.3	35	0.3											
MW0811-1	08/08/11	0.26	74.2	0.22	0.022	0.029	0.096	316	<2	-	535	1,550	<0.05	882	2.1
MW0811-1	09/29/11	17.9	102	2.8	0.038	0.33	0.12	801	48.2	-	478	1,680	0.057	575	39.9
MW0811-1	10/26/11	16	104	2	0.041	<1.5	1.1	972	66.8	-	472	1,670	<0.05	379	26.2
MW0811-1	03/23/12	36.6	192	2.7	4	-	6.8	720	47.3	50.6	505	2,370	<0.05	406	13.9
MW0811-1	06/20/12	60.7	212	2.7	<3.6	-	8.3	800	17.7	26.1	470	2,390	0.02 J	388	14.1
MW0811-1	09/26/12	85.4	306	4	<0.75	-	3.3	804	15.8	48.6	526	3,310	0.037 J	354	29.9
MW0811-1	12/21/12	162	479	6.3	<0.75	-	11	724	4.6	22.9	406	4,250	0.053	364	7.1
MW0811-1	03/21/13	264	653	8.1	<0.75	-	2.5	801	11.9	107	481	5,780	0.033 J	208	7.9
MW0811-1	06/19/13	87.1	281	5	<3.8	-	5.1	760	18.7	34.6	519	2,940	<0.05	312	7.2
MW0811-1	09/19/13	149	396	6.3	<0.75	-	4.5	600	17	28.8	519	3,570	0.052	347	6.1
MW0811-1	12/18/13	21.1	195	3.4	<0.75	-	11	674	16.9	22.5	609	2,400	0.027 J	348	6.5
MW0811-1	03/26/14	88.1	260	2.5	<0.38	-	14	650	14.9	27.4	600	4,560	<0.05	369	5.7
MW0811-1	06/26/14	121	359	4.5	<0.75	-	11	619	21.9	31.1	591	3,530	0.025 J	400	8.9
MW0811-1	09/24/14	179	407	3.45	0.35	-	11	619	6.2	16.5	642	2,160	<0.2	415	5.3
MW0811-1	12/05/14	115	233	2.12	<0.025	-	12	620	30.2	<5	676	2,200	<0.2	429	5.4
MW0811-1	03/23/15	76	237	1.96	0.044 J	-	12	565	4	17	701	2,050	<0.2	498	5.2
MW0811-1	06/29/15	10.1	127	0.975	0.041 J	-	13	529	4	15.5	817	2,030	<0.5	548	4.2
MW0811-1	09/24/15	11	160	1.44	0.0475	0.0288	11.3	557	8.7	180	722	2,100	0.033 J	543	4
MW0811-1	12/21/15	47	170	1.58	0.0314	0.0176	9.35	569	54	140	733	2,100	0.076 J	482	6.6
MW0811-1	03/24/16	38.9	220	1.833	0.0376	0.0223	10.3	524	11	140	779	2,598	0.041 J	509	6.54
MW0811-1	06/22/16	38.5	175	1.418	0.034	0.0188	10.8	509	7.3	260	787	2,248	0.054 J	458	3.87
MW0811-1	09/28/16	54.4	198	1.948	0.0402	0.0201	9.61	503	6	210	827	2,565	<0.019	639	6.82
MW0811-1	12/22/16	13.5	151	1.121	0.0509	0.0439	9.41	480	4.6	200	870	2,162	0.027 J	604	5.16
MW0811-1	03/21/17	37.9	192	1.431	0.0559	0.0471	12.2	450	7.4	100	911	2,525	0.042 J	618	8.41 J
MW0811-1	06/28/17	39.6	225	1.59	0.0402	0.0314	10.5	451	<10	190	859	2,815	<0.023	630	2.2
MW0811-1	09/26/17	23.6	157	1.742	0.0349	0.0191	9.64	464	12	76	792	2,122	<0.033	544	2.91
MW0811-1	12/19/17	46.2	233	2.471	0.0357	0.0225	9.99	448	11	150	742	2,831	<0.033	521	6.36
MW0811-1	04/03/18	35.4	184	1.664	0.0379	0.0289	9.67	415	<10	220	757	2,623	<0.033	500	3.26
MW0811-1	06/15/18	30.3	143	1.256	0.0369	0.0261	8.42	416	6.7	130	810	1,923	0.084 J	526	3.7
MW0811-1	09/24/18	25.7	217	1.895	0.0461	0.0318	9.19	405	14	200	722	2,645	0.048 J	497	3.65
MW0811-1	12/19/18	51.6	189	1.766	0.0399	0.0372	8.34	399	19	22	983	2,479	0.090 J	659	1.22
MW0811-1	03/27/19	20.3	132	0.8799	0.0416	0.0397	8.87	397	<10	72	981	1,986	0.036 J	618	3.11
MW0811-1	06/27/19	34.1	204	1.711	0.0490	0.0472	7.67	384	<10	100	1,020	2,380	0.11	641	2.28
MW0811-1	09/24/19	32.2	163	1.187	0.0459	0.0388	8.91	383	11	95	1,080	2,262	0.094 J	650	4.37
MW0811-1	12/19/19	11.4	143	0.9692	-	-	7.82	394	13	110	1,160	1,810	0.087 J	698	2.42
MW0811-1	03/24/20	40.5	196	1.396	0.0530	0.0478	8.99	388	18	73	1,100	2,624	0.058 J	645	3.48
MW0811-1	06/23/20	13.3	203	1.548	0.0333	0.0267	8.12	385	16	240	1,050	2,657	0.12	615	7.28
MW0811-1	09/22/20	52.0	261	2.162	0.0328	0.0272	7.89	370	8.0	230	1,150	3,160	0.12	751	4.1
MW0811-1	12/15/20	37.8	307	2.527	0.0482	0.0431	9.4	370	<20	490	1,120	3,650	0.44	663	2.62
MW0811-1	03/30/21	28.0	218	1.675	0.0433	0.0406	8.9	509	13	240	1,260	3,138	0.16	725	3.22
MW0811-1	06/29/21	85.0	285	2.426	0.0483	0.0405	10.5	381	8.8	170	1,210	3,594	0.12	714	2.17
MW0811-1	09/28/21	11.9	39.9	0.3621	0.0464	0.0398	10.9	335	10	280	1,300	438.8	0.26	738	6.20
MW0811-1	12/21/21	48.3	202	1.399	0.0410	0.0349	8.11	364	20	310	1,330	2,712	0.14	734	3.11

Notes:
Only analytes that exceeded Class GA Regulatory Standards in samples taken from at least one monitoring well during at least one monitoring event are included here
Regulatory Standard - Class GA Groundwater Quality Standard or Guidance Value from NYSDEC Division of Water TOGS 1.1.1 (June 1998)
-# Not detected above indicated laboratory reporting limit.
J estimated value
mg/L milligrams per liter
ug/L micrograms per liter
Bold and highlighted cells indicate an exceedance of Class GA Regulatory Standards

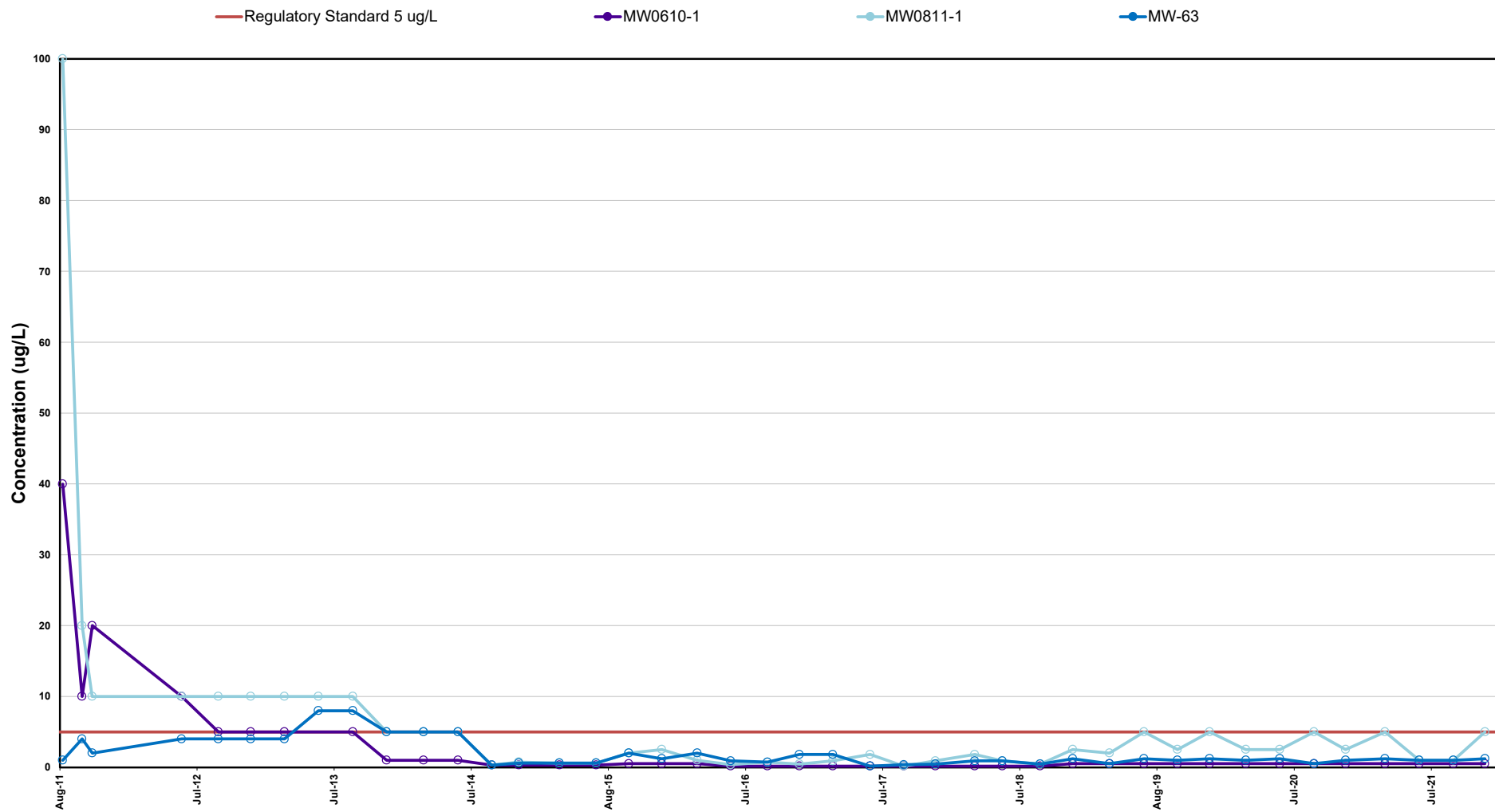


Table 7
Summary of AOC-5 Groundwater Monitoring Results

Garlock Sealing Technologies
Site No. 3 BCP Site
BCP Site #C859028

Sampling Location	Sampling Date	Iron	Magnesium	Manganese	Ethane	Ethene	Methane	Alkalinity, total (as CaCO ₃)	Biochemical oxygen demand (total BOD ₅)	Chemical oxygen demand (COD)	Chloride	Hardness	Nitrate (as N)	Sulfate	Total organic carbon (TOC)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Regulatory Sta	0.3	35	0.3											
MW-63	08/08/11	1.3	122	0.066	<0.0015	<0.0015	0.0026	222	<2	-	1,680	1,400	1.8	378	2.6
MW-63	09/29/11	62.4	167	4.5	<0.15	<0.15	5.7	1,290	576	-	1,760	2,010	<0.1	13.9	557
MW-63	10/26/11	54.4	152	2.7	0.00094	0.02	10	1,550	296	-	1,440	1,950	<0.05	14.1	233
MW-63	03/23/12	0.0274	0.136	0.0011	0.027	-	7.7	840	58.4	124	1,090	1,730	<0.05	217	22.4
MW-63	06/20/12	21.3	111	0.88	<3.6	-	14	588	19.8	62	1,110	1,670	0.03 J	472	12.9
MW-63	09/26/12	15.5	130	0.97	<0.75	-	4	652	5.3	49.2	1,370	1,600	0.027 J	257	10.9
MW-63	12/21/12	16.6	119	0.87	<0.75	-	10	490	3.8	32.9	1,240	1,570	0.042 J	318	6.6
MW-63	03/21/13	10.9	114	0.82	0.0033 J	-	3.6	468	13.5	36.6	1,650	1,590	0.037 J	342	3.9
MW-63	06/19/13	10.1	130	0.96	<3.8	-	7.8	453	9.6	27.3	1,520	1,860	<0.05	554	3.9
MW-63	09/19/13	9.8	125	0.97	<0.75	-	3.8	459	20.7	27.2	1,720	1,720	0.032 J	469	4.5
MW-63	12/18/13	8	129	0.94	<0.38	-	7.5	453	4.8	27.7	1,730	1,820	<0.05	401	4
MW-63	03/26/14	9.1	127	0.85	<0.38	-	6	426	7.2	20.1	1,770	3,450	<0.05	535	3.6
MW-63	06/26/14	9.3	117	0.86	0.017	-	5.1	392	9.4	55.2	1,830	1,760	0.06	544	3
MW-63	09/24/14	8.59	124	0.966	0.02	-	5.1	418	13.8	19.7	1,810	1,830	<0.2	543	2.9
MW-63	12/05/14	8.78	116	1.04	<0.0098	-	6.4	422	12.9	19.1	1,950	1,900	<0.2	523	3.3
MW-63	03/23/15	8.32	123	1.07	0.029 J	-	7.1	383	5.8	19.9	2,020	1,860	<0.2	537	2.9
MW-63	06/29/15	8.25	122	1.06	0.021 J	-	7.1	402	<2	23.1	2,360	1,920	<0.5	567	2.7
MW-63	09/24/15	9.2	120	1.06	0.0172	0.0215	5.01	398	6.7	160	2,100	1,800	0.029 J	589	2.5
MW-63	12/21/15	7.7	120	1.02	0.0152	0.0203	3.74	384	2.7	180	2,090	1,700	0.024 J	578	4.8 J
MW-63	03/24/16	10.1	175	1.423	0.0159	0.0224	4.07	363	7.3	52	2,340	2,203	0.034 J	559	5.92
MW-63	06/22/16	9.73	153	1.127	0.0181	0.0296	3.42	351	<2	110	2,070	2,179	0.037 J	552	0.94
MW-63	09/28/16	8.24	134	1.2	0.0152	0.0223	3.33	372	5.8	37	2,380	2,001	<0.019	652	8.74 J
MW-63	12/22/16	7.77	142	1.218	0.0142	0.0211	2.47	373	<2	32	2,380	2,046	<0.019	631	1.41 J
MW-63	03/21/17	9.42	141	1.064	0.0143	0.0236	2.65	357	2.3	70	2,390	2,156	<0.019	669	4.24 J
MW-63	06/28/17	8.74	142	1.073	0.0181	0.0324	3.31	363	<2	61	2,230	2,162	<0.023	634	2.36
MW-63	09/26/17	13.5	135	1.088	0.0153	0.0319	3.26	362	<10	61	2,440	2,068	<0.033	645	0.95 J
MW-63	12/19/17	7.08	132	0.832	0.0145	0.0303	2.85	364	<5	34	2,350	2,079	<0.033	790	4.76 J
MW-63	04/03/18	10.6	133	1.057	0.0119	0.0198	2.66	365	2	43	2,440	2,252	<0.033	762	0.59
MW-63	06/15/18	9.31	129	1.014	0.0169	0.037	2.73	356	<5	43	2,460	2,054	<0.033	798	0.897
MW-63	09/24/18	8.83	130	1.021	0.0137	0.0324	2.41	374	<5	47	2,720	2,051	<0.033	754	0.948
MW-63	12/19/18	8.80	136	1.070	0.0109	0.0250	1.46	367	<5.0	74	2,460	2,054	<0.10	726	0.330 J
MW-63	03/27/19	7.93	129	0.9062	0.0103	0.0238	1.34	354	<5.0	39	2,460	2,059	<0.10	697	0.870
MW-63	06/27/19	9.10	145	1.122	0.0116	0.0260	1.65	365	<2.0	110	2,420	1,840	0.055 J	695	0.470 J
MW-63	09/24/19	10.6	137	1.028	0.00696	0.0211	0.738	366	<5.0	53	2,560	2,112	<0.10	705	0.780
MW-63	12/19/19	7.50	133	0.9716	0.00786	0.0184	0.891	372	<5.0	25	2,610	1,646	0.049 J	689	0.520
MW-63	03/24/20	8.54	148	0.9944	0.00987	0.0250	1.01	358	3.2	44	2,680	2,368	<0.10	744	0.510
MW-63	06/23/20	9.09	142	0.9252	0.00516	0.0176	0.539	359	2.9	48	2,560	2,183	0.13	684	3.01
MW-63	09/22/20	9.97	153	1.047	0.00620	0.0187	0.935	354	<2.0	73	2,760	2,250	0.064 J	747	1.3 J
MW-63	12/15/20	9.97	159	1.105	0.00901	0.0210	1.04	352	3.5	51	2,740	2,511	0.028 J	612	0.290 J
MW-63	03/30/21	7.82	164	0.9605	0.00880	0.0173	0.842	347	<5.0	88	3,130	2,441	<0.10	727	1.37
MW-63	06/29/21	8.39	150	0.8577	0.00904	0.0215	0.718	340	<5.0	66	3,010	2,380	0.15	705	0.464
MW-63	09/28/21	9.46	139	0.9272	0.00618	0.0168	0.433	319	<5.0	60	3,260	2,208	<0.10	763	0.607 J
MW-63	12/21/21	7.17	136	0.7558	0.00704	0.0192	0.383	342	<2.0	69	3,350	2,170	0.044 J	742	0.600 J

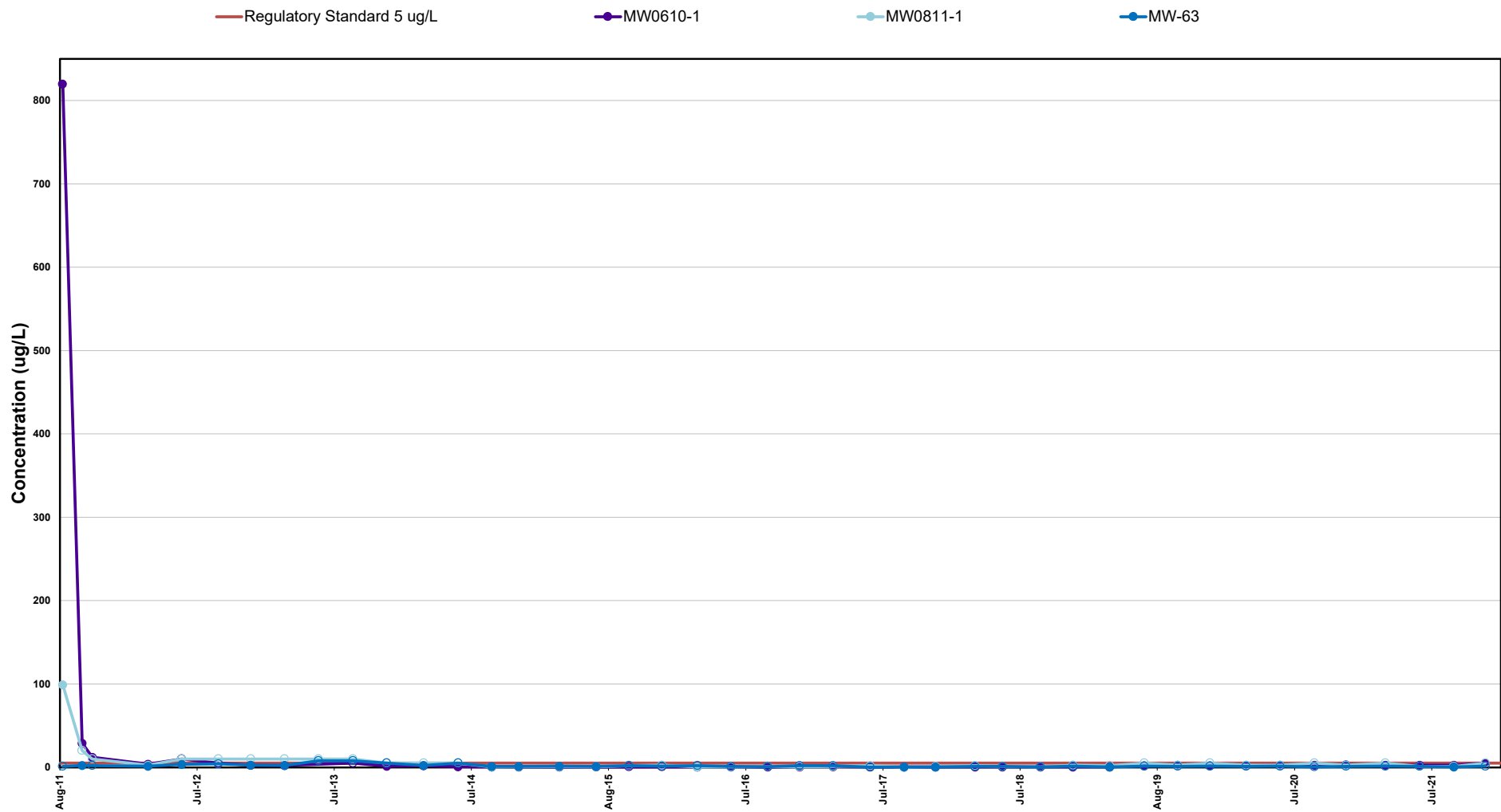
Notes:
Only analytes that exceeded Class GA Regulatory Standards in samples taken from at least one monitoring well during at least one monitoring event are included here
Regulatory Standard - Class GA Groundwater Quality Standard or Guidance Value from NYSDDEC Division of Water TOGS 1.1.1 (June 1998)
-## Not detected above indicated laboratory reporting limit.
J estimated value
mg/L milligrams per liter
ug/L micrograms per liter
Bold and highlighted cells indicate an exceedance of Class GA Regulatory Standards



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Tetrachloroethene Trend

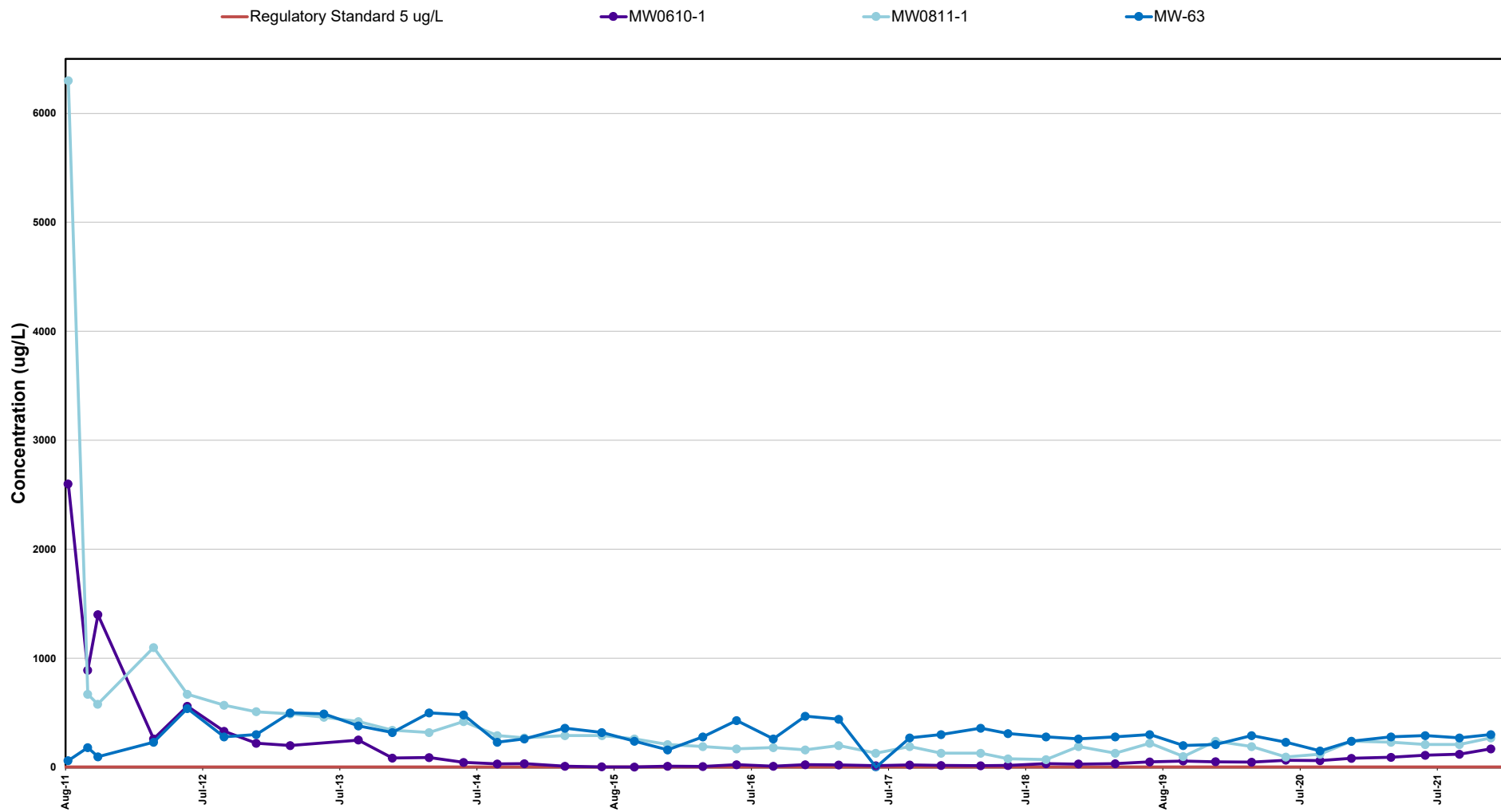
AOC-5



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Trichloroethene Trend

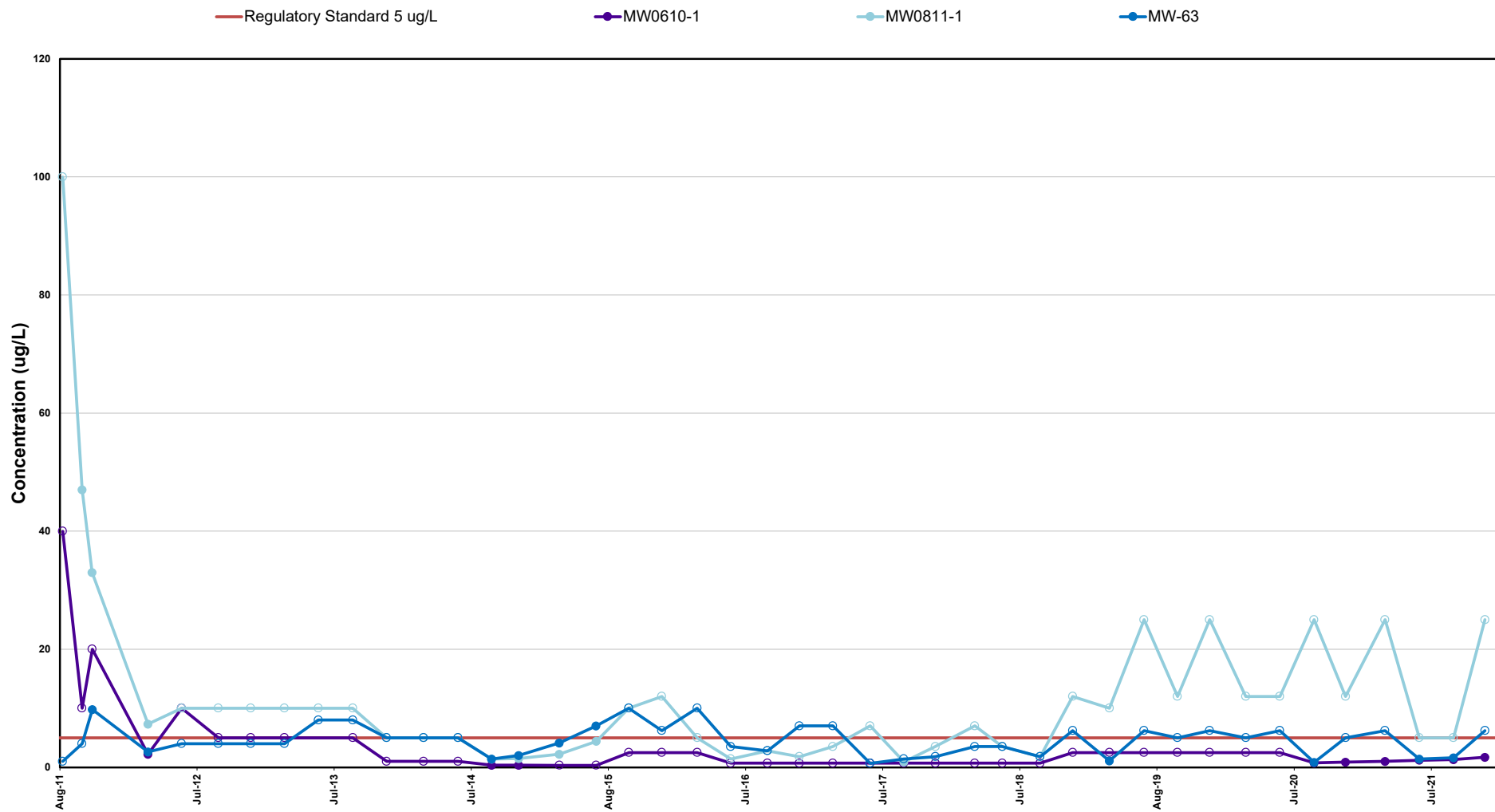
AOC-5



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
cis-1,2-Dichloroethene Trend

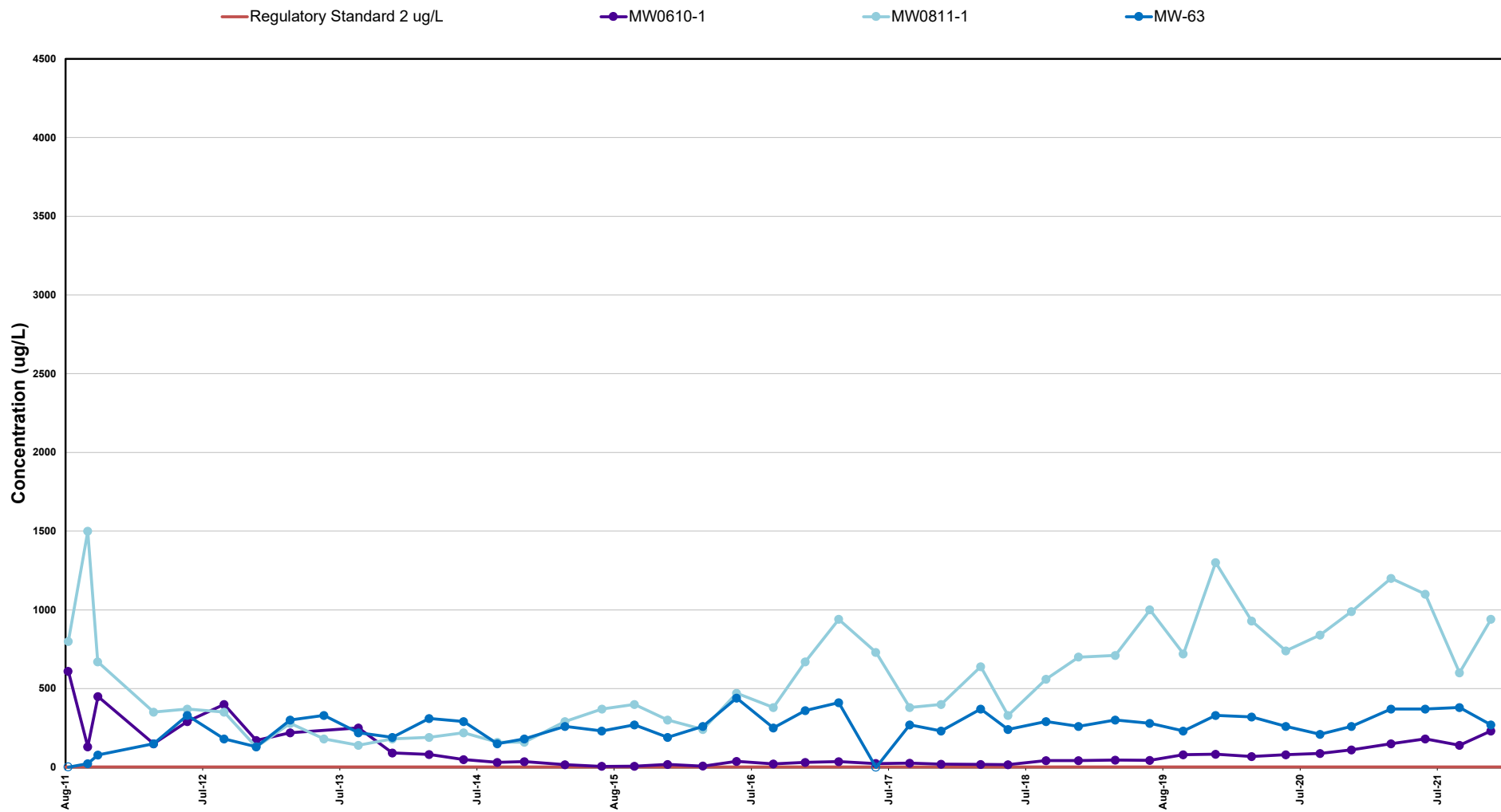
AOC-5



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
trans-1,2-Dichloroethene Trend

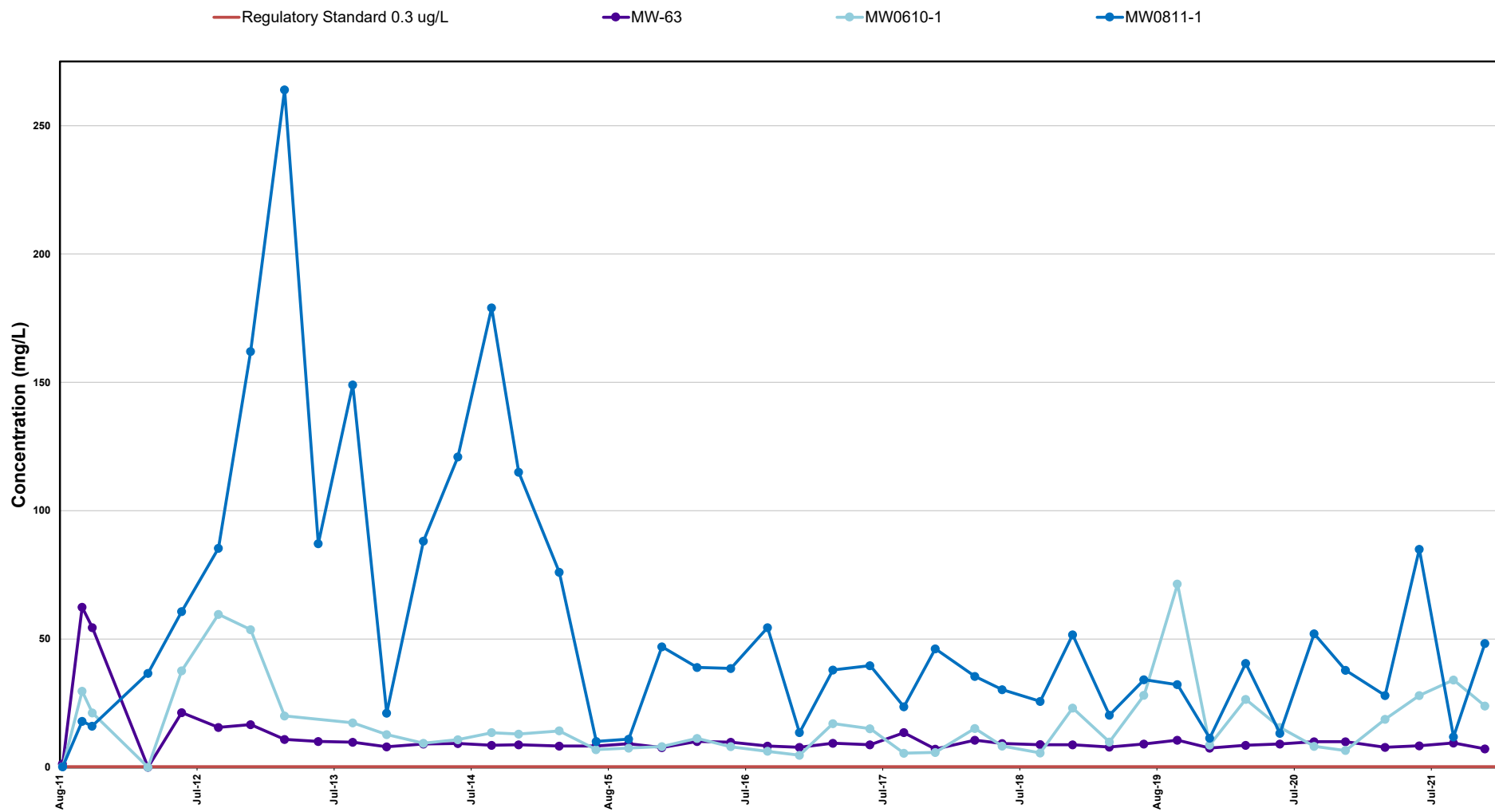
AOC-5



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Vinyl chloride Trend

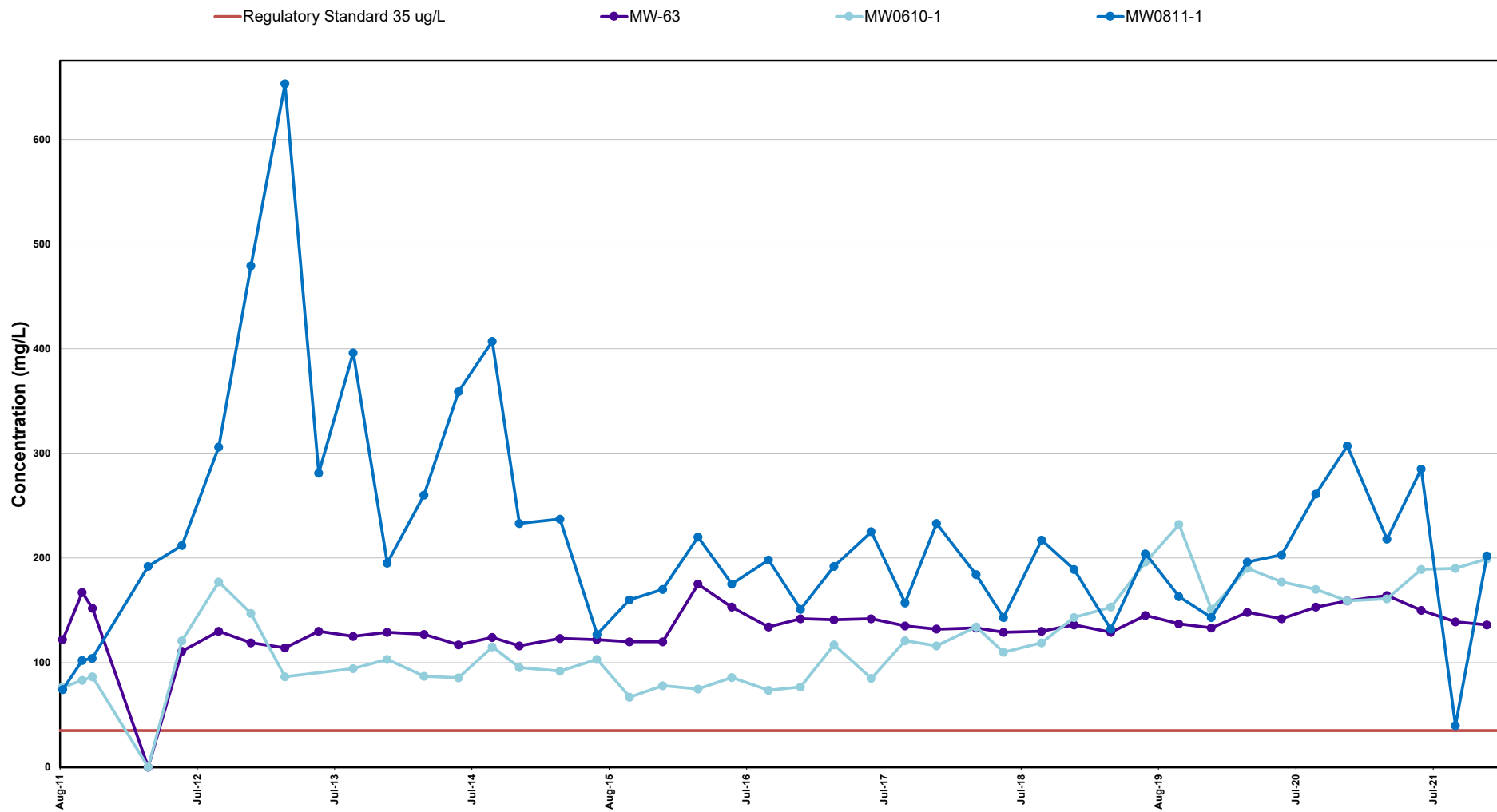
AOC-5



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Iron Trend

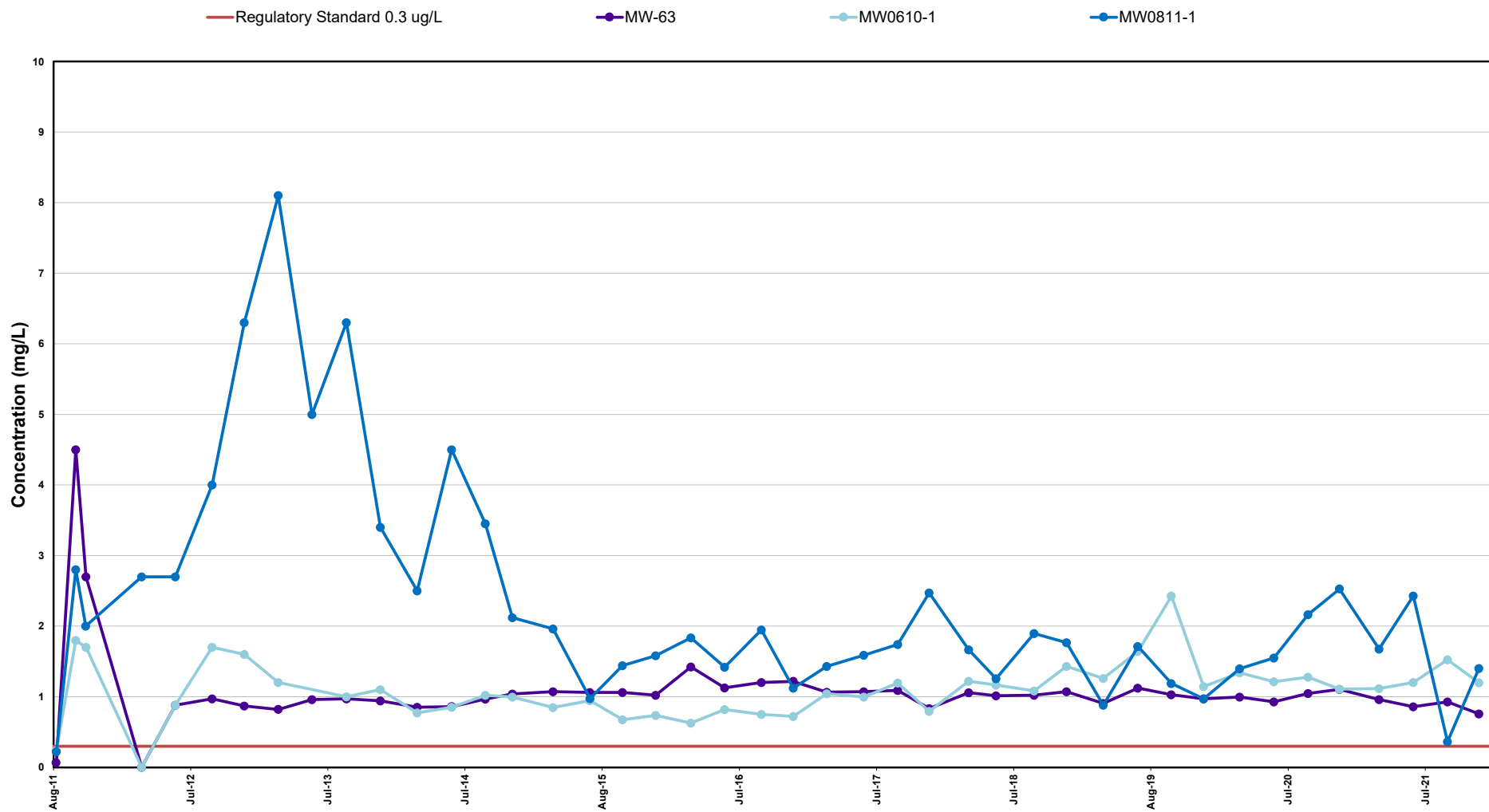
AOC-5



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Magnesium Trend

AOC-5



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Manganese Trend

AOC-5

Carbon Tet. Area



Table 8
Summary of Carbon Tet. Area Groundwater Monitoring Results

Garlock Sealing Technologies
Site No. 3 Site
BCP Site #C859028

AOC-Carbon Tet Area

Sampling Location	Sampling Date	Iron	Magnesium	Manganese	Ethane	Ethene	Methane	Alkalinity, total (as CaCO ₃)	Biochemical oxygen demand (total BOD ₅)	Chemical oxygen demand (COD)	Chloride	Hardness	Nitrate (as N)	Sulfate	Total organic carbon (TOC)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Regulatory Standard	0.3	35	0.3											
MW0610-4	08/05/11	1.3	78.4	0.97	<0.0015	<0.0015	1.3	816	32.5	-	828	1,460	<0.05	292	8.9
MW0610-4	09/29/11	0.87	57	0.82	<0.098	<0.1	3.1	616	17	-	1,250	988	0.15	159	7.8
MW0610-4	10/28/11	1.3	36.6	0.62	0.00081	<0.0015	1.5	523	11.8	-	910	609	<0.05	164	3.8
MW0610-4	03/23/12	29.8	65.5	1.4	1.4 J	-	1.6	480	21.2	57.3	1,480	1,020	<0.05	216	7.5
MW0610-4	06/20/12	13.1	40.4	0.71	<0.72	-	1.9	508 J	15.9 J	52.8	1,040	640	<0.05	131	5.7
MW0610-4	09/26/12	30.1	50.9	1.2 J	<0.075	-	1.1	616	13.2 J	56.8	806	755	<0.05	95.3	8
MW0610-4	12/20/12	42.3	52.7	1.2	<0.075	-	1.4	484 J	14.9	55.3	502	734	<0.05	369	6.2
MW0610-4	03/21/13	36	70.5	1.5	<0.75	-	0.57	440	24.7 J	57.5	1,770	1,120	<0.05	199	5.4
MW0610-4	06/19/13	23.9	42.3	0.96	<0.38	-	0.44	390	5.4 J	34.9	942	591	0.052	191	4.8
MW0610-4	09/19/13	28.1	66.5	1.3	<0.38	-	1.8	580	29.7 J	58.2	687	1,060	0.027 J	271	7.8
MW0610-4	12/18/13	4.6	33.8	0.67	<0.38	-	1.7	384	10.1	40.7	574	528	<0.05	99.6	5.2
MW0610-4	03/26/14	20.8	70	1.1	<0.38	-	1.2	391	9.3	49.8	2,450	1,970	0.044 J	190	4.8
MW0610-4	06/26/14	13.1	61.3	0.95	<0.75	-	2.4	518	20.9 J	71.7	1,240	1,110	<0.05	192	6.8
MW0610-4	09/22/14	1.75	35.8	0.532	0.0012	-	3.2	544	8.2	21.6	1,010	542	<0.2	68.6	5.6
MW0610-4	12/05/14	1.01	50.5	0.839	<0.0098	-	3.6	622	28.8	44	825	903	<0.2	213	7.3
MW0610-4	03/23/15	1.83 J	66.6	1.4	<0.0049	-	1.6	367	4.7	44.9	2,840	1,260	<0.2	190	3.9
MW0610-4	06/29/15	21.4	88.2	1.3	0.0095 J	-	13	620	3.3	65.4	2,200	1,200	<0.5	14.6	6.1
MW0610-4	09/24/15	2	49	0.911	0.000878	<0.0005	2.95	555	11	160	1,600	-	0.021 J	82.3	5.8
MW0610-4	12/21/15	2.4	52	0.843	0.00096	<0.0005	2.89	590	21	140	1,100	940	0.03 J	228	9.4
MW0610-4	03/24/16	2.24	70.1	1.06	<0.0005	<0.0005	0.00514	430	15	52	2,420	1,061	<0.1	161	10.2
MW0610-4	06/22/16	66.4	55.7	1.45	0.000722	<0.0005	2.46	463	14	110	1,590	820.8	0.025 J	126	3.19
MW0610-4	09/28/16	7.74	46.4	0.7709	0.001	<0.0005	3.29	563	18	95	1,360	831.5	<0.019	172	9.61
MW0610-4	12/22/16	3.88	49.2	0.8061	0.000857	<0.0005	1.98	441	9.4	100	1,380	803.6	0.024 J	130	5.78
MW0610-4	03/21/17	1.35	57.6	0.8184	0.000776	<0.0005	2.06	379	14	82	3,170	925.7	0.04 J	172	7.84 J
MW0610-4	06/28/17	1.08	45.2	0.729	0.000678	<0.0005	2.95	513	14	88	1,510	874	<0.023	175	3.46
MW0610-4	09/26/17	3.98	47.4	0.6578	0.000634	<0.0005	3.34	476	16	67	1,200	745.6	<0.033	150	3.36
MW0610-4	12/19/17	23.9	66.8	1.283	0.000832	<0.0005	3.1	498	19	140	1,240	1,176	<0.033	187	9.97
MW0610-4	04/03/18	5.6	52.9	0.8054	<0.0005	<0.0005	1.47	377	7.2	99	3,640	960.8	<0.033	168	1.12
MW0610-4	06/15/18	3.03	55.8	0.7856	0.000657	<0.0005	2.76	459	<10	70	2,400	931.9	<0.033	186	3
MW0610-4	09/24/18	1.08	56.8	0.7598	0.00085	<0.0005	3.18	546	23	93	1,690	992.9	<0.033	179	4.64
MW0610-4	12/19/18	7.34	53.3	0.8685	0.000593	<0.000500	2.32	481	16	92	1,490	869.8	0.047 J	181	2.96
MW0610-4	03/27/19	2.26	60.0	0.7786	<0.000500	<0.000500	1.1	313	<10	110	4,450	963.7	0.063 J	157	1.26
MW0610-4	06/27/19	1.50	34.0	0.4242	<0.000500	<0.000500	1.01	350	<2.0	62	1,370	412	0.078 J	143	1.35
MW0610-4	09/24/19	3.47	45.3	0.6249	<0.000500	<0.000500	2.12	458	11	34	1,390	669.9	<0.10	199	3.33
MW0610-4	12/19/19	1.17	37.6	0.4317	<0.000500	<0.000500	0.738	352	3.8	45	1,690	514.6	0.15	117	2.16
MW0610-4	03/24/20	2.90	52.8	1.243	0.000588	<0.000500	1.94	419	16	76	2,460	922.9	0.054 J	162	2.92
MW0610-4	06/23/20	1.96	60.4	0.9108	0.000738	<0.000500	3.66	512	17	64	1,510	985.5	0.068 J	176	4.78
MW0610-4	09/22/20	3.89	51.9	0.7749	<0.000500	<0.000500	2.16	530	12	40	4,120	860	0.037 J	192	5.6
MW0610-4	12/15/20	1.62	49.6	0.6582	0.000652	<0.000500	2.79	444	19	64	1,390	741.7	0.033 J	169	2.52
MW0610-4	03/30/21	2.25	51.1	0.7104	0.000612	<0.000500	2.01	390	11	100	3,000	875.4	0.026 J	674	3.26
MW0610-4	06/29/21	5.72	31.7	0.4419	0.000581	<0.000500	2.34	329	6.2	34	1,380	464.0	<0.10	145	3.48
MW0610-4	09/28/21	1.88	38.2	0.5822	0.000724	<0.000500	3.8	421	9.6	49	1,430	597.1	<0.10	132	4.06
MW0610-4	12/21/21	3.82	47.2	0.6599	0.000520	<0.000500	2.06	436	12	62	1,330	743.4	<0.10	178	3.53

Notes:
Only analytes that exceeded Class GA Regulatory Standards in samples taken from at least one monitoring well during at least one monitoring event are included here
Regulatory Standard - Class GA Groundwater Quality Standard or Guidance Value from NYSDEC Division of Water TOGS 1.1.1 (June 1998)
-# Not detected above indicated laboratory reporting limit.
J estimated value
mg/L milligrams per liter
ug/L micrograms per liter
Bold and highlighted cells indicate an exceedance of Class GA Regulatory Standards



Table 8
Summary of Carbon Tet. Area Groundwater Monitoring Results

Garlock Sealing Technologies
Site No. 3 Site
BCP Site #C859028

Sampling Location	Sampling Date	Iron	Magnesium	Manganese	Ethane	Ethene	Methane	Alkalinity, total (as CaCO3)	Biochemical oxygen demand (total BOD5)	Chemical oxygen demand (COD)	Chloride	Hardness	Nitrate (as N)	Sulfate	Total organic carbon (TOC)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Regulatory Standard		0.3	35	0.3											
MW0610-5	08/05/11	2.5	61.4	0.24	0.001	0.0018	0.25	458	2.7	-	402	1,650	0.15	683	1.4
MW0610-5	09/29/11	2.9	61	2.2	0.0015	<0.0015	2.7	535	17	-	744	1,310	0.46	407	6.2
MW0610-5	10/28/11	5.8	54.7	2.5	0.004	0.0012	3.7	556	15.2	-	842	1,120	<0.05	300	3.4
MW0610-5	03/23/12	47.2	87.9	2.4	3.9	-	4	520	26.9	52.5	685	1,500	<0.05	372	8.7
MW0610-5	06/19/12	41.8	70.9	2	<0.72	-	4.4	503 J	15.9 J	44	615	1,370	<0.05	449	5.8
MW0610-5	09/26/12	74.5	91.4	2.1 J	<0.75	-	2.3	555	22 J	54.9	618	1,540	0.027 J	364	9.6
MW0610-5	12/20/12	150	121	3	<0.75	-	3.9	464 J	38.7	63.7	651	1,620	<0.05	469	9.8
MW0610-5	03/21/13	77.9	133	2.6	<0.75	-	1.5	541	32.2 J	53.4	963	1,750	<0.05	171	6.7
MW0610-5	06/19/13	32.8	81.5	1.9	<0.38	-	0.54	607	20.2 J	62.4	748	1,280	<0.05	302	8.6
MW0610-5	09/19/13	24.1	70.2	1.1	<0.38	-	3	509	24 J	37.3	678	1,280	0.038 J	394	6
MW0610-5	12/18/13	20.4	59.3	1.1	<0.38	-	2.5	461	16.7	83.4	724	1,100	<0.05	336	4.9
MW0610-5	03/26/14	22.4	64.5	0.77	<0.38	-	4	464	17.5	62.7	2,070	2,350	<0.05	363	5.4
MW0610-5	06/26/14	50.9	77.9	1.2	<0.38	-	2.7	451	25.3 J	50.9	758	1,360	<0.05	449	7
MW0610-5	09/22/14	3.68	50.2	1.17	0.043	-	4.9	626	13	26.3	857	916	<0.2	116	8.6
MW0610-5	12/05/14	2.3	62.3	0.656	<0.0098	-	3.6	490	32.9	40.2	711	1,450	<0.2	497	5.2
MW0610-5	03/23/15	2.56 J	62.7	1.18	<0.0098	-	3.3	376	11	59.2	3,850	1,450	<0.2	263	4.6
MW0610-5	06/29/15	0.734	38.2	0.556	<0.0098	-	5.2	520	4.8	35.2	1,220	803	<0.5	162	8
MW0610-5	09/24/15	0.34	60	0.509	0.00383	0.0017	4.14	531	15	140	802	-	<0.1	372	6
MW0610-5	12/21/15	2.9	49	0.449	0.00426	0.00154	3.97	461	34	91	983	960	0.031 J	301	8.7
MW0610-5	03/24/16	2.87	71.8	0.8718	0.00358	0.00139	3.33	410	18	69	2,890	1,195	<0.1	298	11.8
MW0610-5	06/22/16	10.2	62.7	0.4678	0.00385	0.0015	3.68	492	26	97	1,290	1,106	0.052 J	295	4.16
MW0610-5	09/28/16	1.12	59.8	0.3231	0.00424	0.00191	3.14	512	16	69	977	1,169	<0.019	416	8.32
MW0610-5	12/22/16	0.992	57.1	0.4005	0.00349	0.00118	3.19	422	14	77	1,760	1,076	<0.019	286	6
MW0610-5	03/21/17	9.85	55.6	0.4683	0.0021	<0.0005	1.99	330	13	110	3,730	962.5	<0.019	272	12.1 J
MW0610-5	06/28/17	1.56	49.6	0.2898	0.00404	0.00204	3.75	488	19	71	954	1,160	<0.023	418	2.79
MW0610-5	09/26/17	7.97	62.2	0.4021	0.00443	0.00147	4.22	561	19	110	919	1,155	<0.033	272	4.74
MW0610-5	12/19/17	18.1	59.8	0.5634	0.00376	0.0015	3.51	513	20	99	809	1,142	<0.033	343	9.6
MW0610-5	04/03/18	11.2	67	0.6452	0.00205	0.000715	2.5	358	20	160	3,720	1,303	<0.033	221	1.66
MW0610-5	06/15/18	4.73	59.3	0.38	0.00356	0.0021	3.05	470	18	120	1,610	1,199	<0.033	403	4.16
MW0610-5	09/24/18	1.7	63.4	0.3249	0.00343	0.00172	2.94	577	24	160	1,100	1,196	<0.033	295	5.34
MW0610-5	12/19/18	11.6	54.0	0.4167	0.00325	0.00146	2.19	475	20	90	1,170	949.9	0.036 J	341	3.94
MW0610-5	03/27/19	2.54	57.7	0.3740	0.00226	0.000616	1.95	372	13	74	3,790	1,030	0.049 J	237	2.72
MW0610-5	06/27/19	2.13	57.9	0.2640	0.00343	0.00119	3.08	498	6.9	110	1,360	919	0.18	310	3.07
MW0610-5	09/24/19	9.73	63.3	0.3872	0.00341	0.000924	2.56	540	23	79	943	1,181	<0.10	405	3.65
MW0610-5	12/19/19	0.834	47.9	0.2429	0.00180	<0.000500	1.33	401	<5.0	77	2,720	690.6	0.048 J	211	5.52
MW0610-5	03/24/20	3.02	49.7	0.3871	0.00216	0.000790	1.75	385	16	64	2,560	909.8	0.048 J	246	3.45
MW0610-5	06/23/20	3.06	57.6	0.3006	0.00321	0.00106	3.05	536	22	99	950	1,063	0.085 J	363	6.47
MW0610-5	09/22/20	4.20	59.9	0.2989	0.00254	0.000913	2.2	552	21	100	890	1,100	0.11	376	3.6
MW0610-5	12/15/20	1.04	60.6	0.2737	0.00303	0.000899	2.85	537	31	120	935	1,068	0.044 J	321	4.02
MW0610-5	03/30/21	0.777	55.4	0.3186	0.00295	0.000850	2.57	425	16	96	3,270	1,042	0.048 J	700	3.97
MW0610-5	06/29/21	2.67	59.6	0.2540	0.00321	0.00121	2.98	508	26	74	1,110	1,094	0.037	371	5.49
MW0610-5	09/28/21	1.63	61.3	0.2703	0.00280	0.000807	2.62	529	19	95	893	1,212	<0.10	366	5.24
MW0610-5	12/21/21	2.59	54.2	0.2312	0.00305	0.000913	2.52	468	30	78	980	949.0	0.041 J	374	2.53

Notes:
Only analytes that exceeded Class GA Regulatory Standards in samples taken from at least one monitoring well during at least one monitoring event are included here
Regulatory Standard - Class GA Groundwater Quality Standard or Guidance Value from NYSDEC Division of Water TOGS 1.1.1 (June 1998)
<### Not detected above indicated laboratory reporting limit.
J estimated value
mg/L milligrams per liter
ug/L micrograms per liter
Bold and highlighted cells indicate an exceedance of Class GA Regulatory Standards

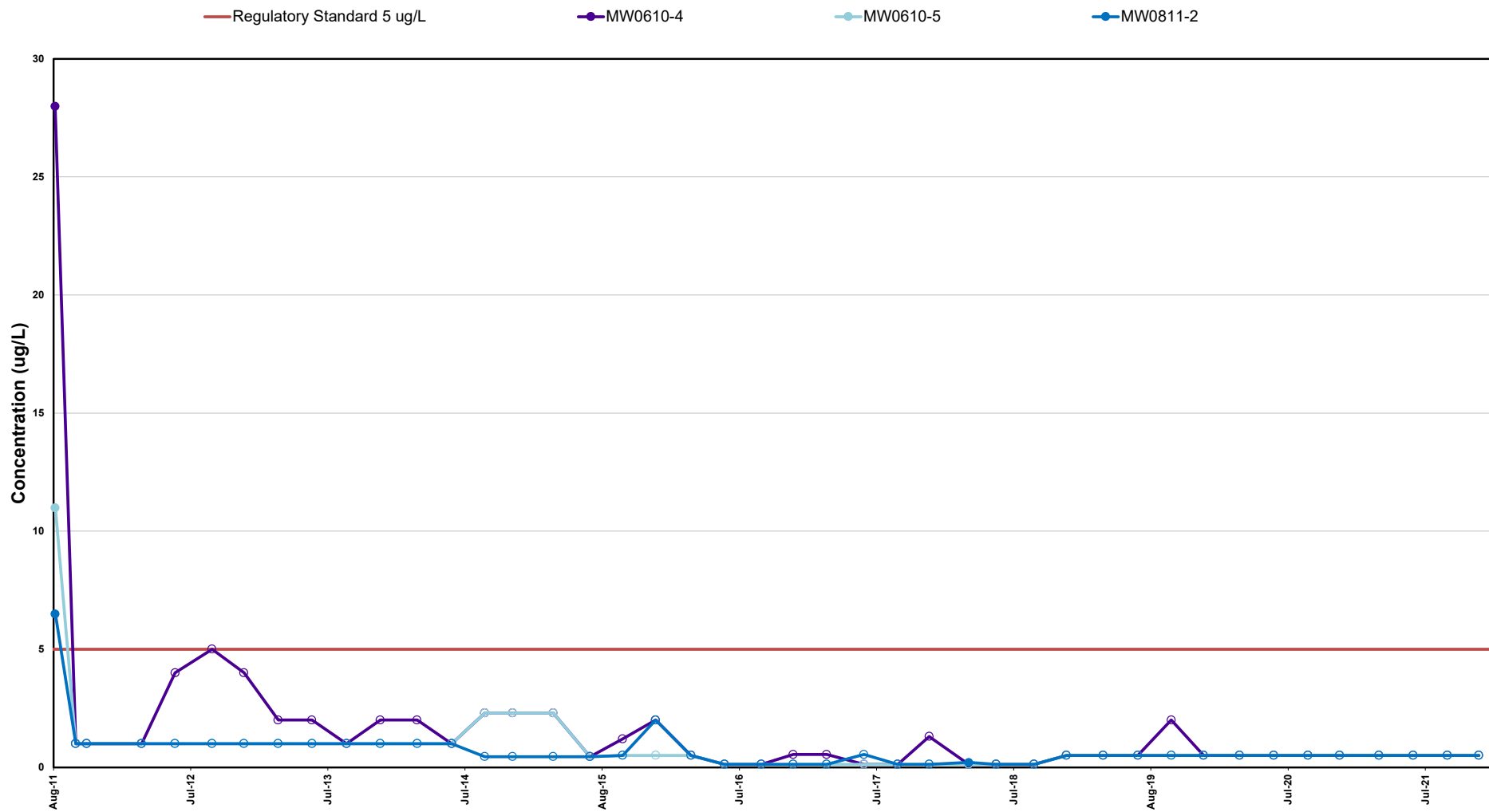


Table 8
Summary of Carbon Tet. Area Groundwater Monitoring Results

Garlock Sealing Technologies
Site No. 3 Site
BCP Site #C859028

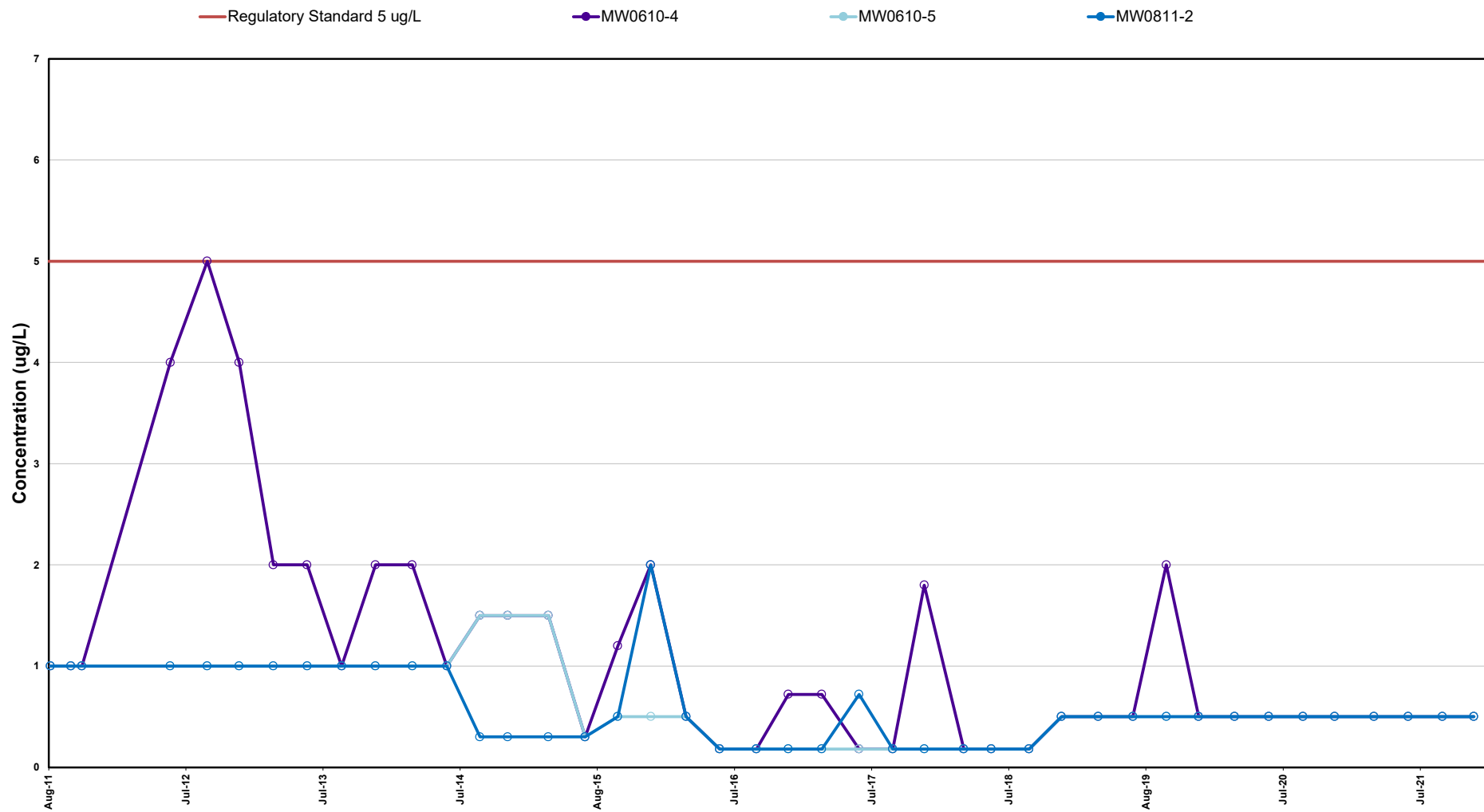
Sampling Location	Sampling Date	Iron	Magnesium	Manganese	Ethane	Ethene	Methane	Alkalinity, total (as CaCO ₃)	Biochemical oxygen demand (total BOD ₅)	Chemical oxygen demand (COD)	Chloride	Hardness	Nitrate (as N)	Sulfate	Total organic carbon (TOC)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Regulatory Standard	0.3	35	0.3											
MW0811-2	08/05/11	2.5	37	2.5	<0.0015	<0.0015	1.5	412	2.8	-	2,210	626	<0.05	148	5.8
MW0811-2	09/29/11	1.4	24.4	0.6	<0.15	<0.15	1.1	421	4.3	-	465	481	3.5	278	9.7
MW0811-2	10/28/11	0.13	17.1	0.2	<0.0015	<0.0015	0.46	283	2.1	-	84	376	5.1	353	5.4
MW0811-2	03/23/12	46.4	43.9	1.4	1.6	-	2.1	400	10.1	25.3	456	718	<0.05	142	6.8
MW0811-2	06/19/12	18.6	32	0.9	<0.72	-	2	614 J	172 J	27	703	567	0.19 J	99.5	6.2
MW0811-2	09/26/12	59.2	51	1.7 J	<0.075	-	1.1	647	6.2 J	12.9	496	898	0.35	74.7	6.7
MW0811-2	12/20/12	68.7	49.1	1.4	<0.075	-	1.4	300	11.4	28.7	219	779	2.7	319	8
MW0811-2	03/21/13	108	68	2.1	<0.075	-	0.24	410	19.2 J	63.2	488	1,030	0.86	161	6.2
MW0811-2	06/19/13	35.9	44.8	0.88	<0.075	-	0.67	492	3.8 J	21.8	332	697	2.2	247	6.6
MW0811-2	09/19/13	7.9	28.7	1.1	<0.38	-	2.8	530	8.1 J	20.3	589	496	0.042 J	54.9	6.5
MW0811-2	12/18/13	6.3	26.1	0.58	<0.38	-	0.55	363	2.9	29.3	372	450	0.45	117	5
MW0811-2	03/26/14	4.9	35.3	0.53	<0.38	-	0.6	415	6.7	26.1	1,380	1,220	1	188	4.6
MW0811-2	06/26/14	7.7	23.2	0.79	<0.75	-	1.4	422	3.9 J	54.2	1,000	410	0.29	85	4.5
MW0811-2	09/22/14	1.25	29	0.649	<0.002	-	0.96	640	2.1	15	443	534	<0.2	83.8	5.9
MW0811-2	12/05/14	4.81	23	1.18	<0.002	-	2.8	484	9.8	16.5	829	525	<0.2	31.2	5.4
MW0811-2	03/23/15	1.84 J	44.8	0.201	<0.0002	-	0.1	379	<2	24.2	1,590	903	2.1	219	4.3
MW0811-2	06/29/15	1.22	36.5	0.845	0.00068 J	-	2	430	4.3	30	1,510	625	<0.5	103	4.7
MW0811-2	09/24/15	2.6	19	0.727	0.00108	<0.0005	2.91	473	3.9	74	507	-	0.025 J	19.3	5.3
MW0811-2	12/21/15	1.9	21	0.606	<0.0005	<0.0005	0.991	517	9.6	100	265	410	0.9	104	7
MW0811-2	03/24/16	2.53	36.4	1.545	0.000565	<0.0005	0.967	350	8.7	29	1,560	635.5	0.3	112	8.61
MW0811-2	06/22/16	1.25	23.8	0.7109	<0.0005	<0.0005	0.847	398	7.7	56	1,400	427.6	0.27	82.9	3.07
MW0811-2	09/28/16	2.18	31	1.653	0.00192	<0.0005	2.31	447	2.8	37	1,620	610.8	0.037 J	104	8.12
MW0811-2	12/22/16	2.06	30.4	0.8009	<0.0005	<0.0005	0.752	474	<2	58	960	516.3	0.43	105	5.39
MW0811-2	03/21/17	4.22	31.6	1.041	0.000637	<0.0005	0.718	381	2	63	1,470	544.2	0.47	135	8.24 J
MW0811-2	06/28/17	2.3	22.2	0.5967	<0.0005	<0.0005	0.481	356	<2	37	989	377.5	0.11	85.1	0.94 J
MW0811-2	09/26/17	1.26	20.4	0.7382	0.000605	<0.0005	1.28	462	4.5	55	1,080	361.4	<0.033	44.7	4.08
MW0811-2	12/19/17	1.72	19.1	0.5643	<0.0005	<0.0005	0.906	398	<2	18	441	352.9	0.18	67.4	6.67
MW0811-2	04/03/18	5.42	42.9	0.9898	<0.0005	<0.0005	0.557	318	3.4	110	2,380	891.5	0.46	136	1.63
MW0811-2	06/15/18	3.02	25.7	0.9747	0.000796	<0.0005	0.819	379	6.2	61	1,930	499.3	0.14	127	2.69
MW0811-2	09/24/18	3.14	26.3	1.111	0.00115	<0.0005	1.33	478	<5	40	1,440	484.6	0.083 J	53	4.09
MW0811-2	12/19/18	1.37	25.3	0.5158	<0.000500	<0.000500	0.206	422	<2.0	52	1,020	420.5	1.4	110	3.51
MW0811-2	03/27/19	3.21	31.6	0.9362	<0.000500	<0.000500	0.549	352	<5.0	30	2,250	537.6	0.67	102	2.20
MW0811-2	06/27/19	0.871	17.7	0.08667	<0.000500	<0.000500	0.102	254	<2.0	16	440	226	3.0	129	2.60
MW0811-2	09/24/19	2.52	26.9	0.8433	0.000965	<0.000500	1.2	491	2.2	27	1,310	459.1	0.048 J	46.6	4.06
MW0811-2	12/19/19	1.64	26.9	0.3108	<0.000500	<0.000500	0.0281	388	<2.0	42	880	380.8	2.8	103	3.88
MW0811-2	03/24/20	2.77	22.9	0.5782	<0.000500	<0.000500	0.433	344	2.5	24	1,800	367.6	0.46	77.4	1.40
MW0811-2	06/23/20	1.70	30.1	0.8899	0.000522	<0.000500	0.705	400	2.9	33	1,520	488.4	0.11	114	4.26
MW0811-2	09/22/20	2.86	28.8	0.9408	0.000642	<0.000500	0.795	450	2.6	36	1,320	497	0.24	54.1	3.1
MW0811-2	12/15/20	0.563	27.0	0.5054	0.000873	<0.000500	1.28	529	4.1	28	688	409.4	0.86	72.9	3.40
MW0811-2	03/30/21	1.84	31.6	0.4174	<0.000500	<0.000500	0.379	386	<5.0	49	2,000	551.5	1.8	144	3.55
MW0811-2	06/29/21	0.808	21.8	0.3133	<0.000500	<0.000500	0.365	323	<2.0	20	1,370	353.4	0.21	106	3.06
MW0811-2	09/28/21	2.55	30.4	0.6137	0.000880	<0.000500	0.977	596	<2.0	31	1,030	503.3	0.33	<100	3.70
MW0811-2	12/21/21	0.952	22.6	0.3386	0.000523	<0.000500	0.707	488	<2.0	22	531	345.1	0.53	91.2	2.30

Notes:
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Regulatory Standard - Class GA Groundwater Quality Standard or Guidance Value from NYSDEC Division of Water TOGS 1.1.1 (June 1998)
-### Not detected above indicated laboratory reporting limit.
J estimated value
mg/L milligrams per liter
ug/L micrograms per liter
Bold and highlighted cells indicate an exceedance of Class GA Regulatory Standards



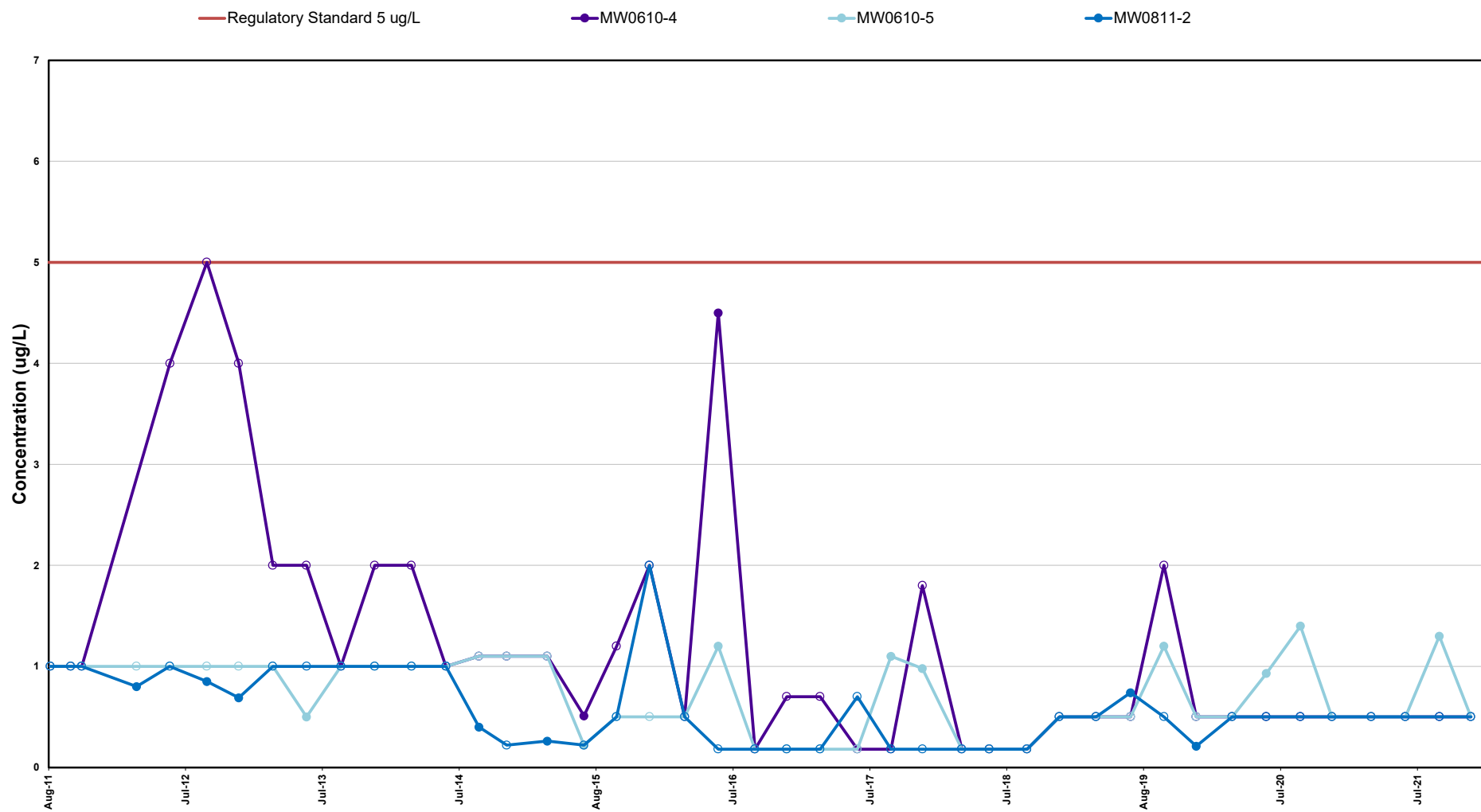
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Carbon tetrachloride Trend
Carbon Tet Area



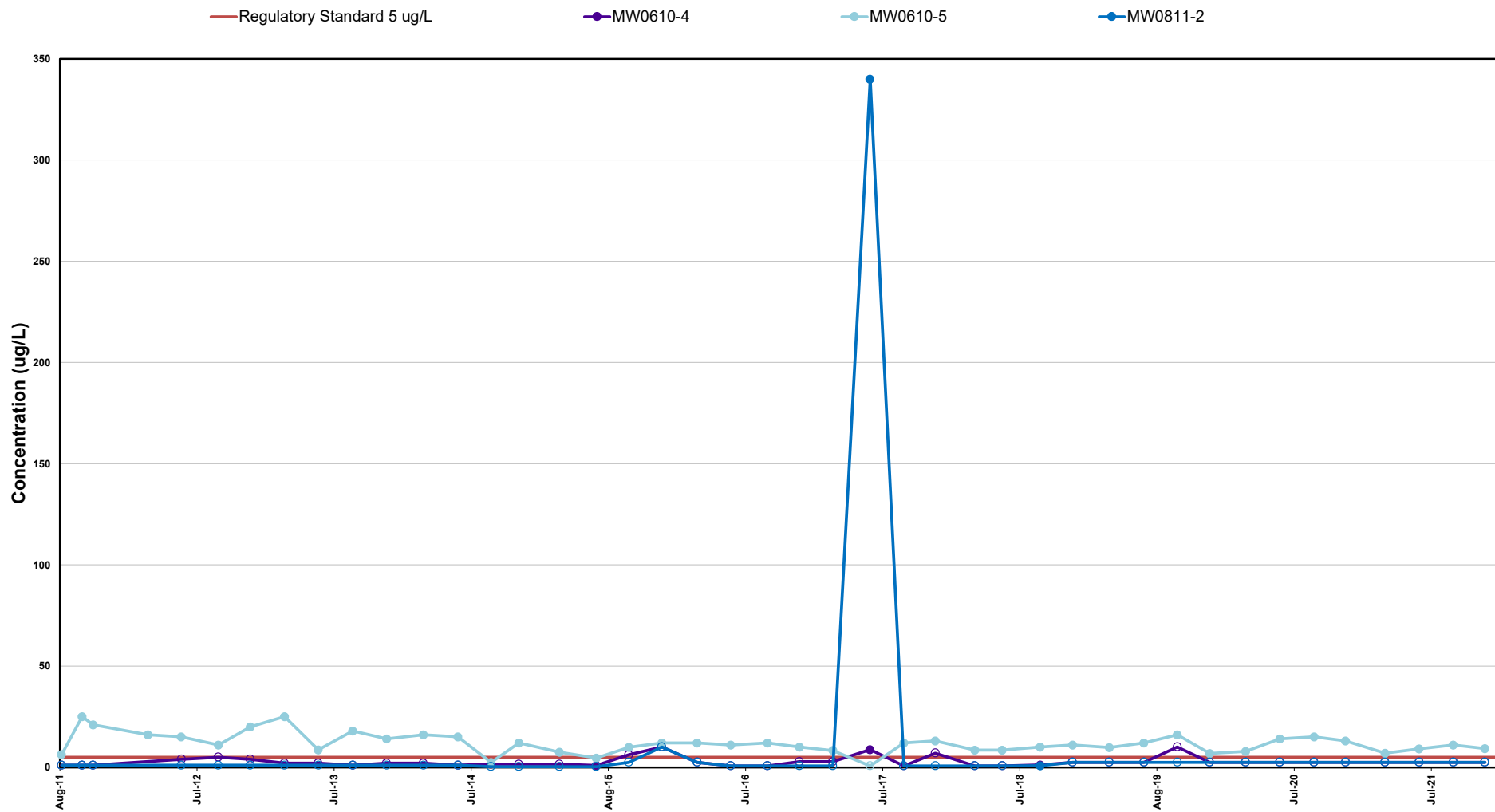
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Tetrachloroethene Trend
Carbon Tet Area



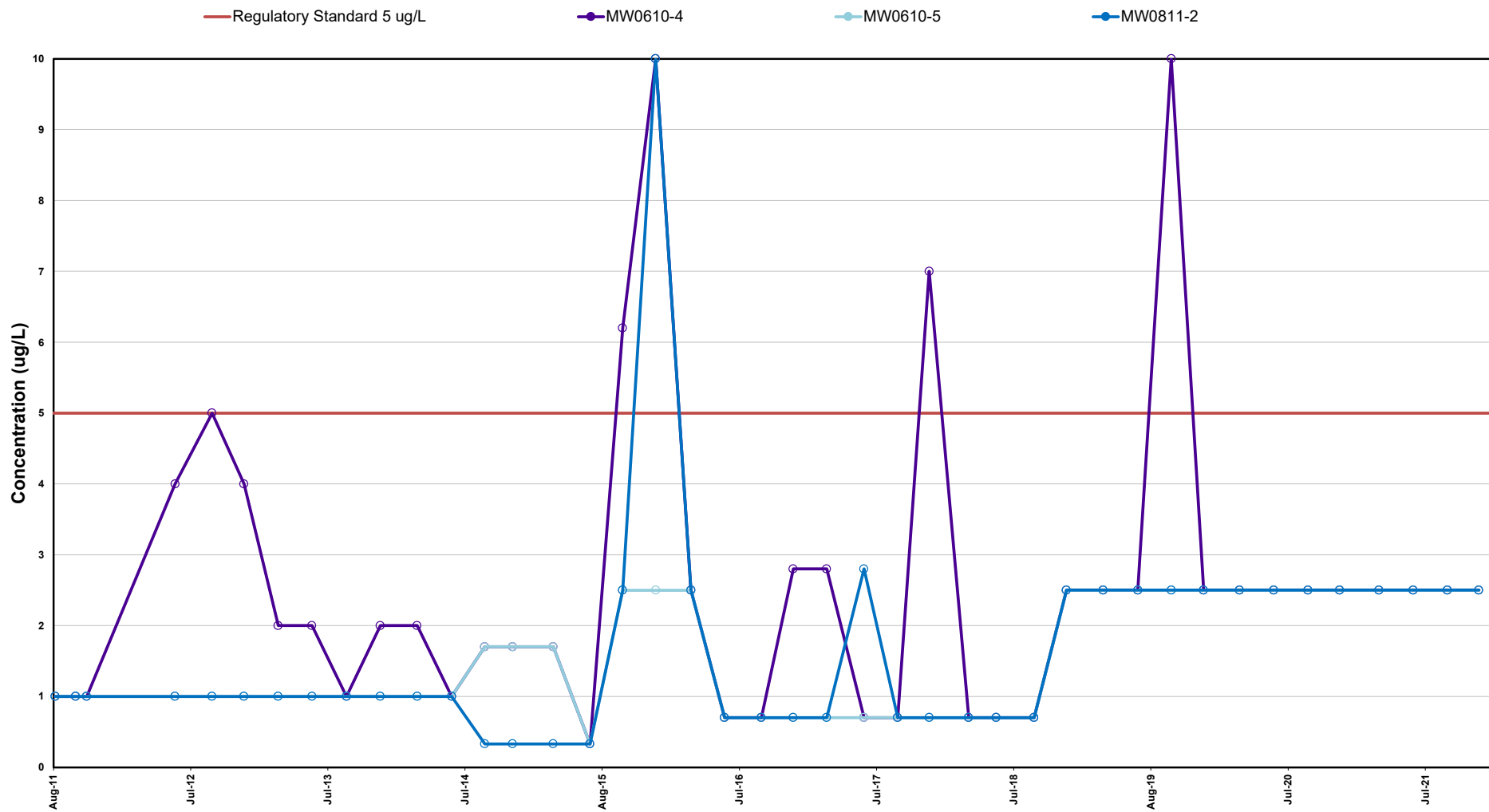
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Trichloroethene Trend
Carbon Tet Area



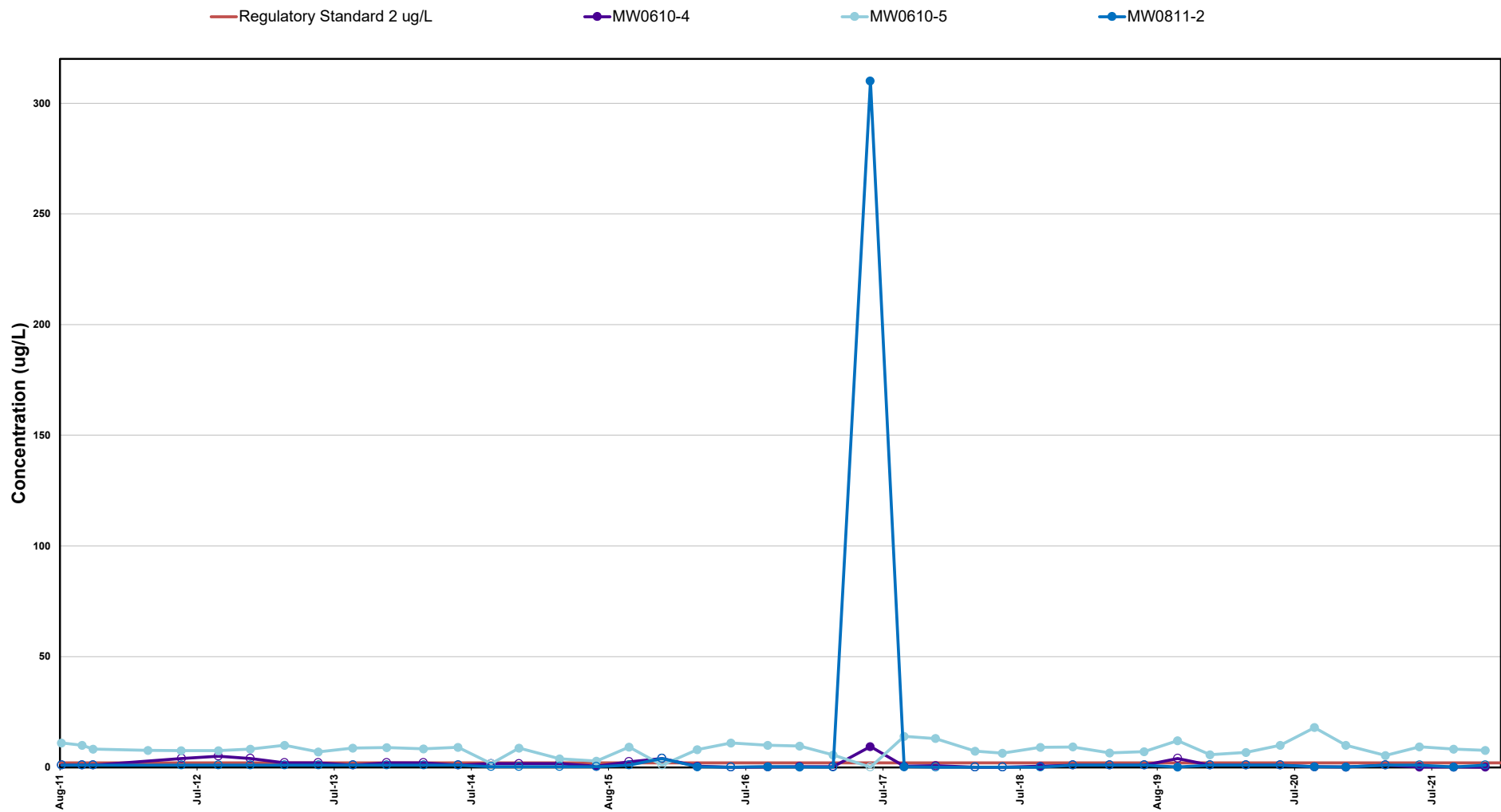
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
cis-1,2-Dichloroethene Trend
Carbon Tet Area



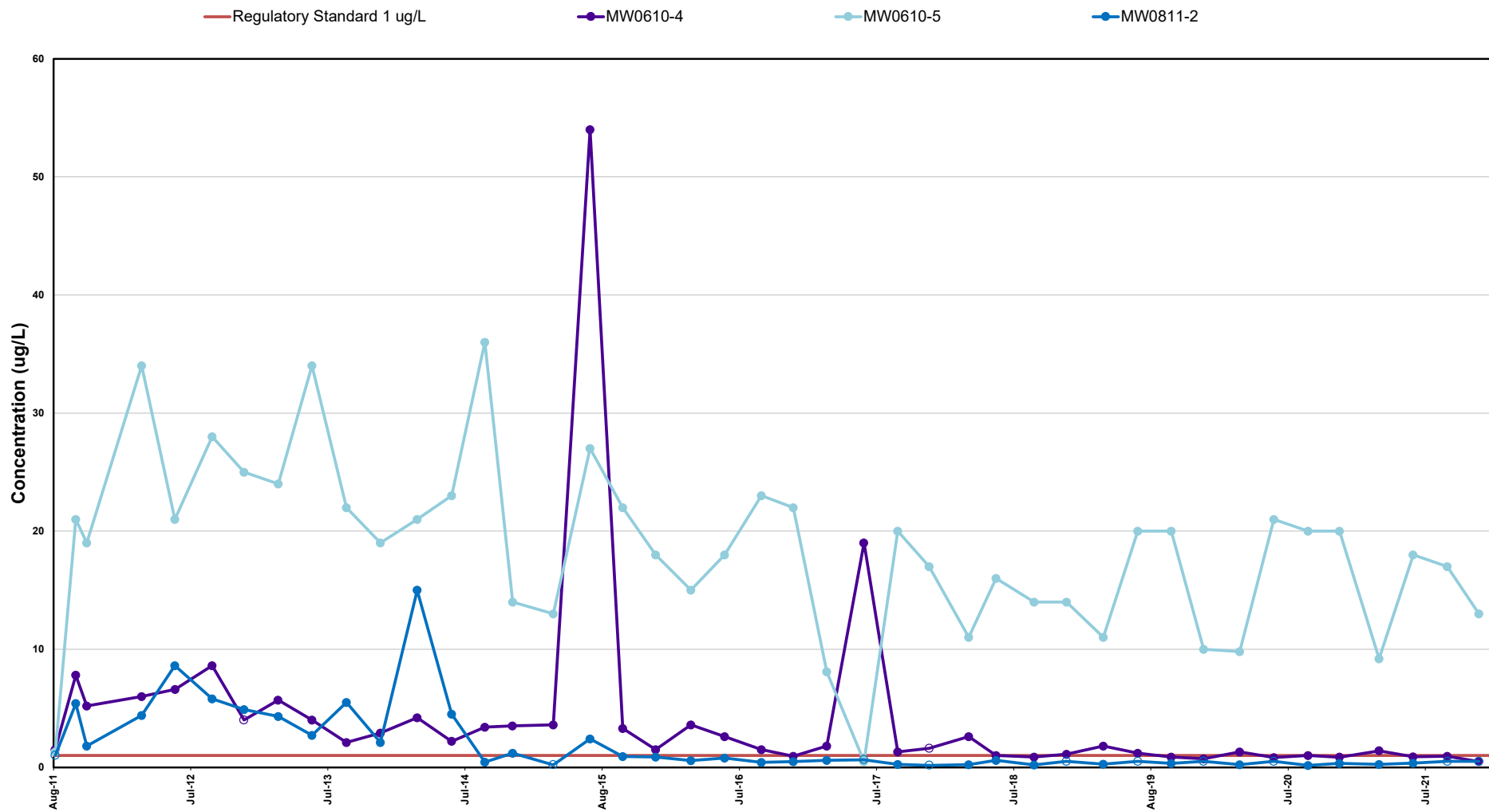
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
trans-1,2-Dichloroethene Trend
Carbon Tet Area



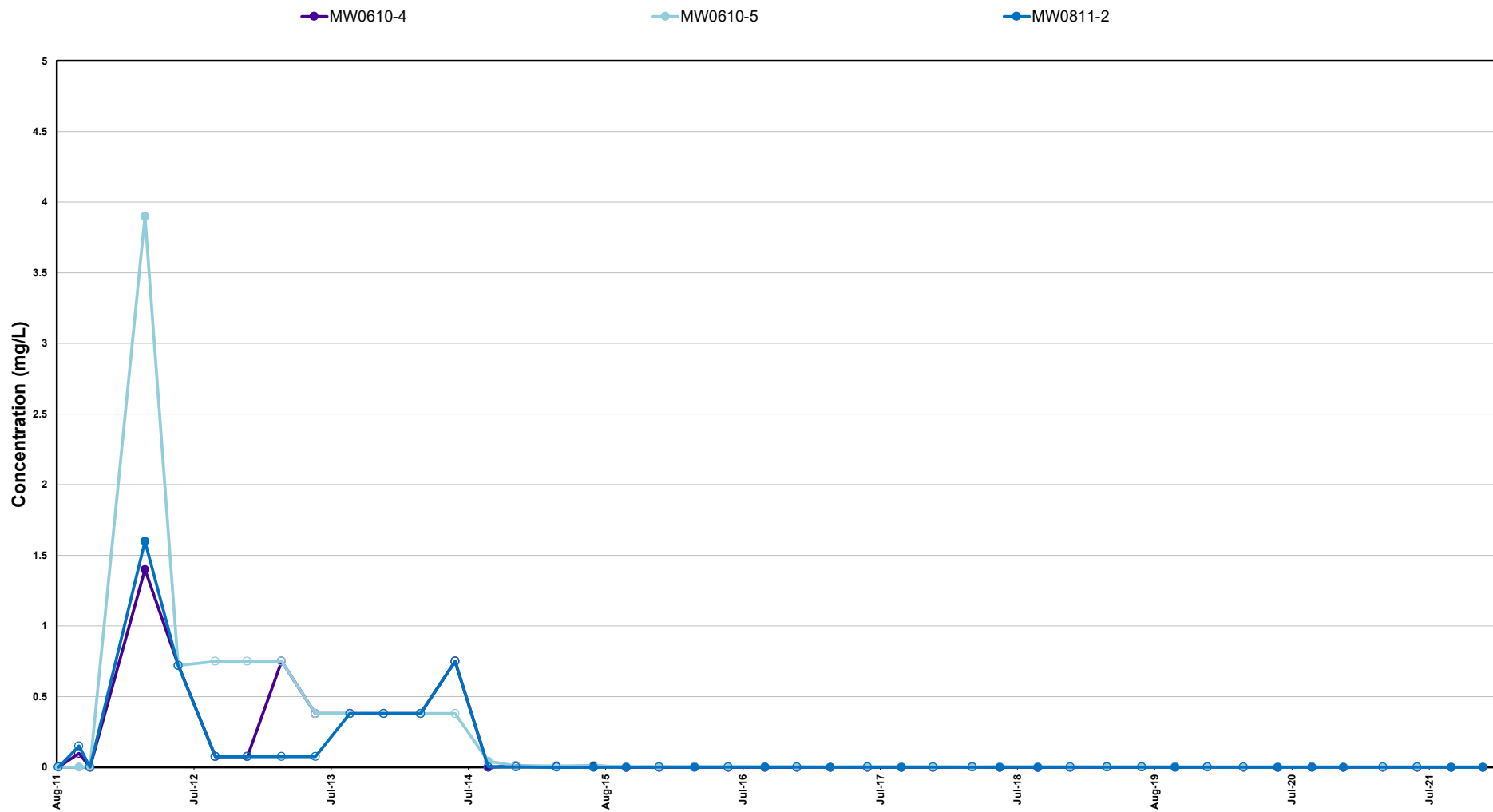
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Vinyl chloride Trend
Carbon Tet Area



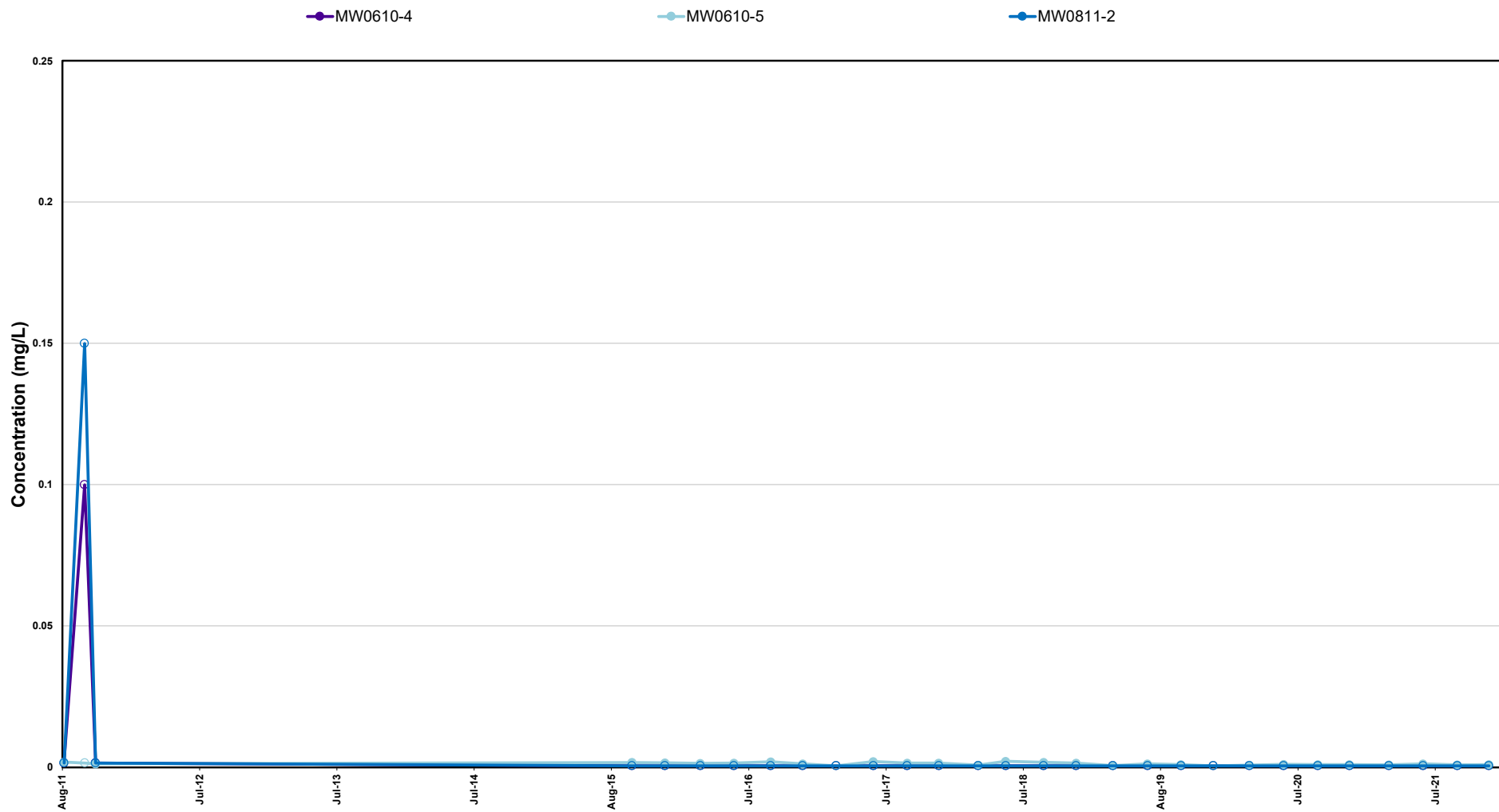
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Benzene Trend
Carbon Tet Area



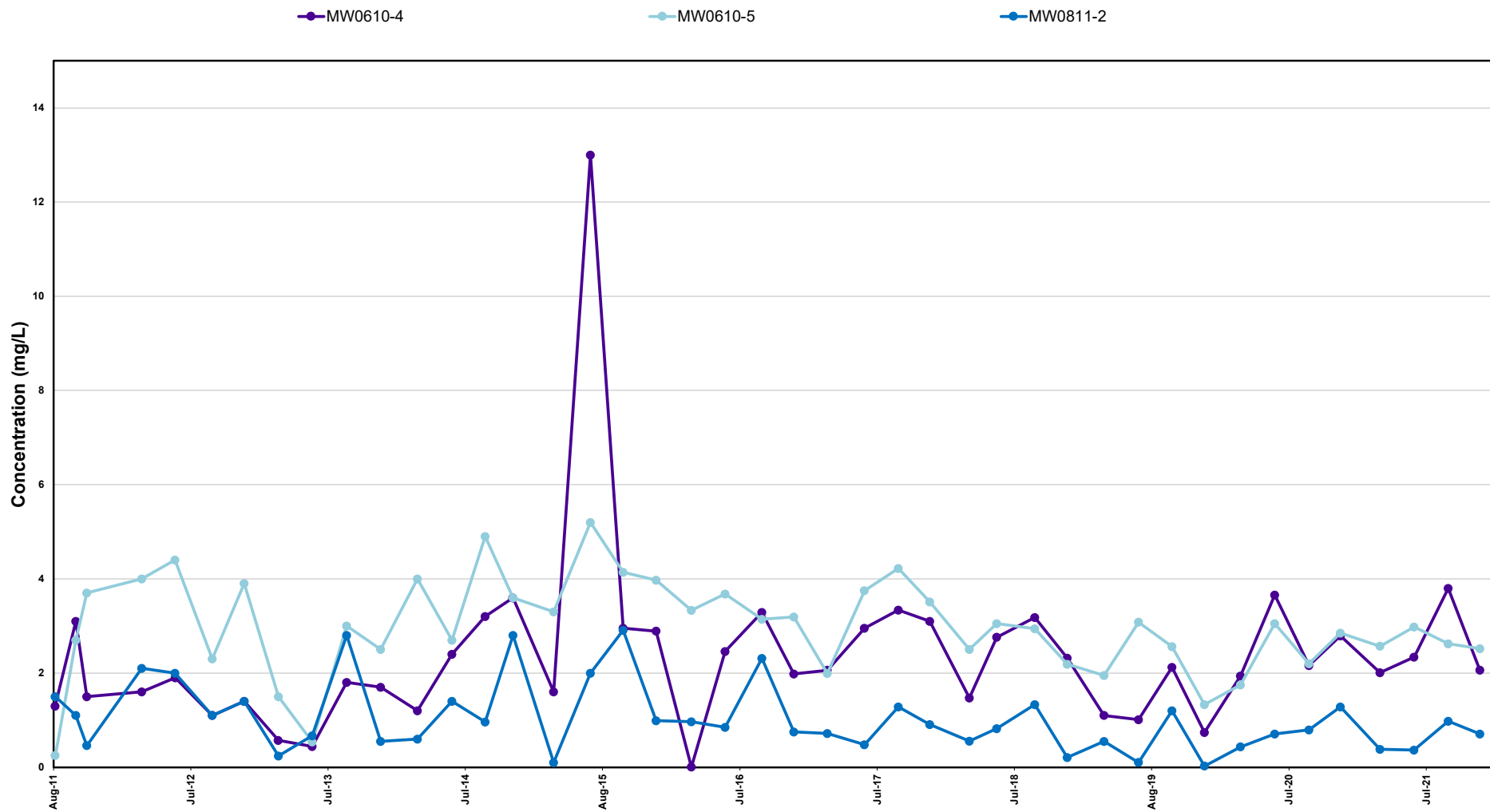
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Ethane Trend
Carbon Tet Area



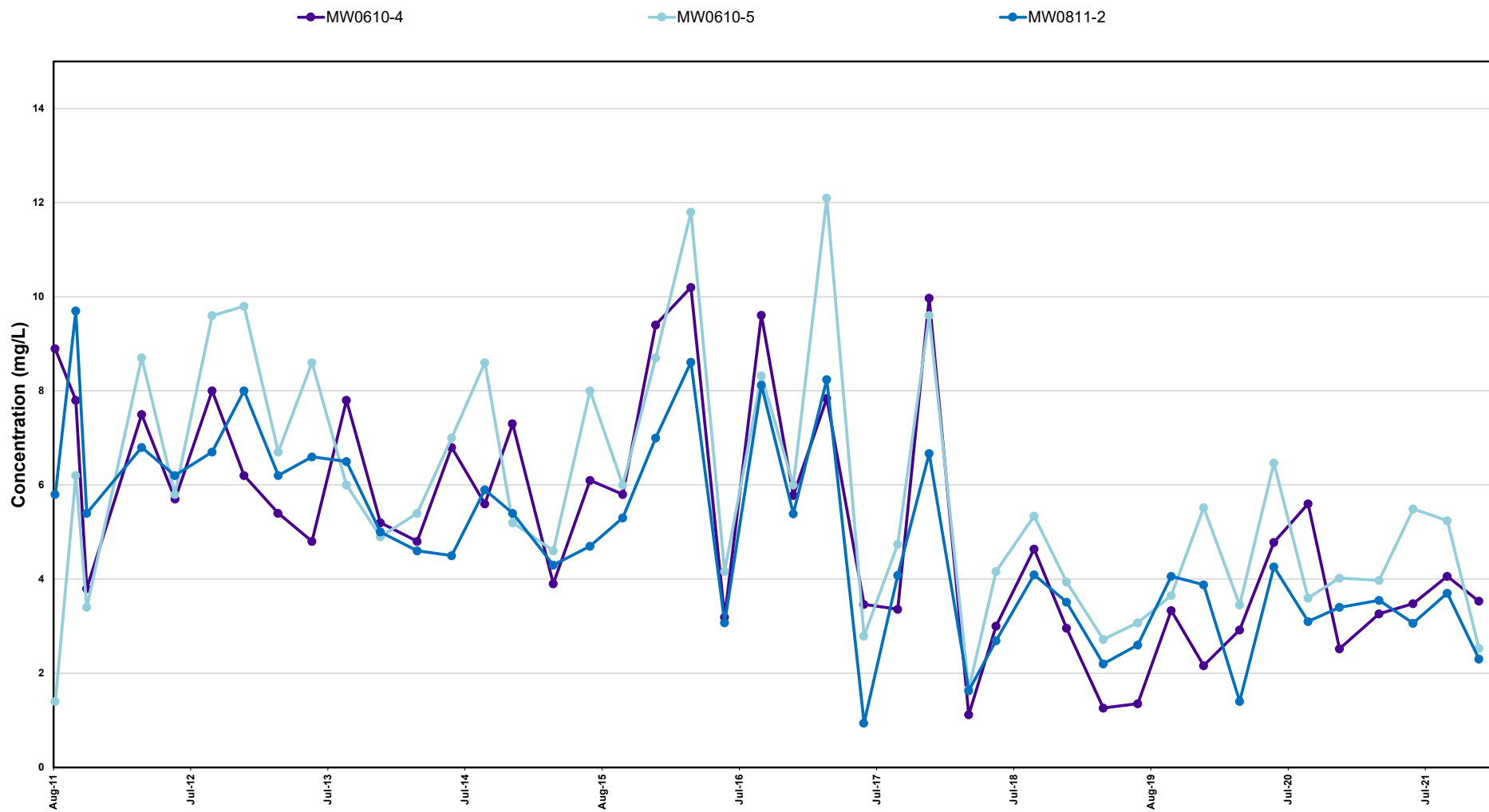
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Ethene Trend
Carbon Tet Area



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

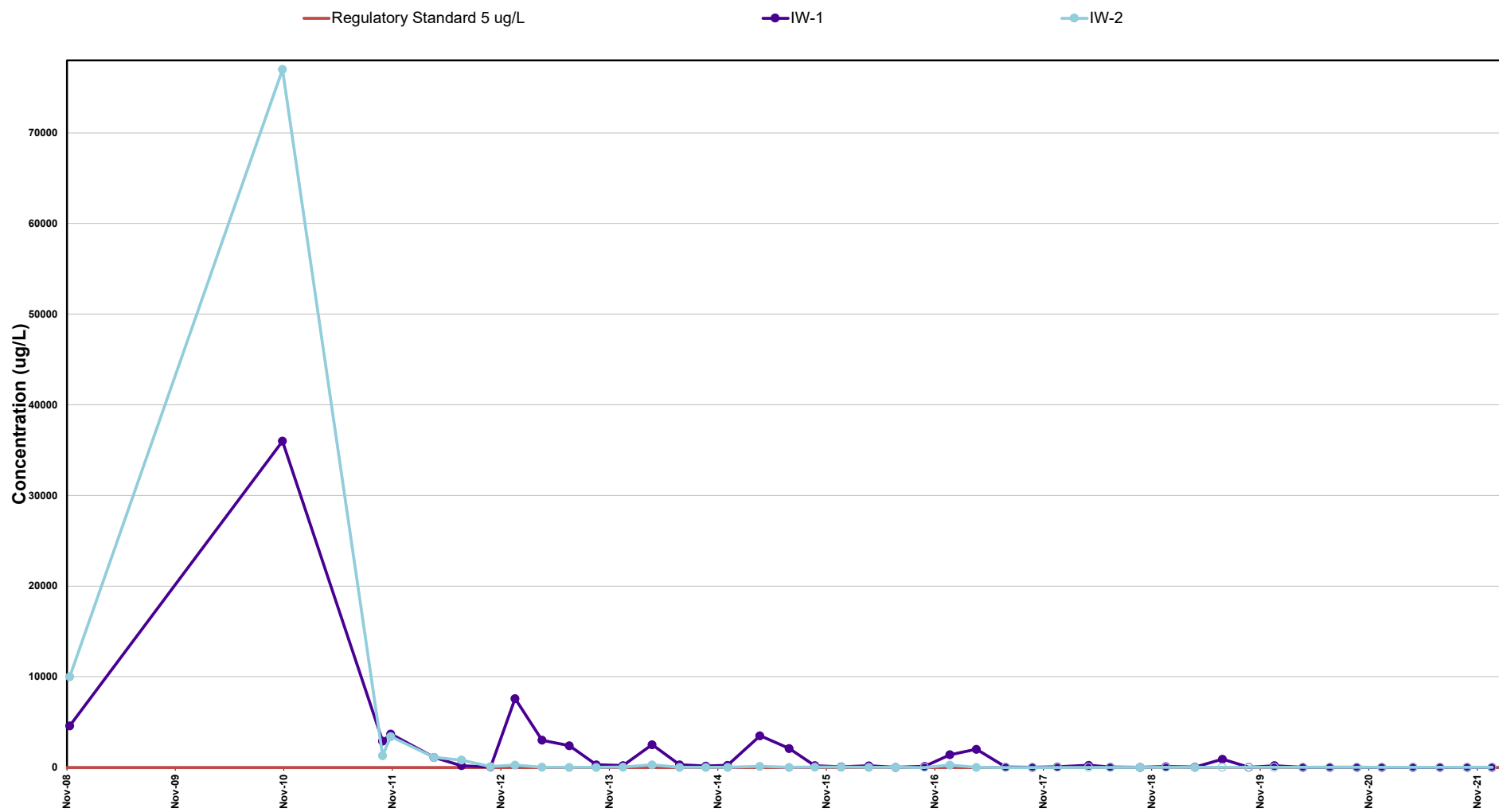
Garlock Sealing Technologies
 BCP Site #C859028
 Methane Trend
 Carbon Tet Area



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

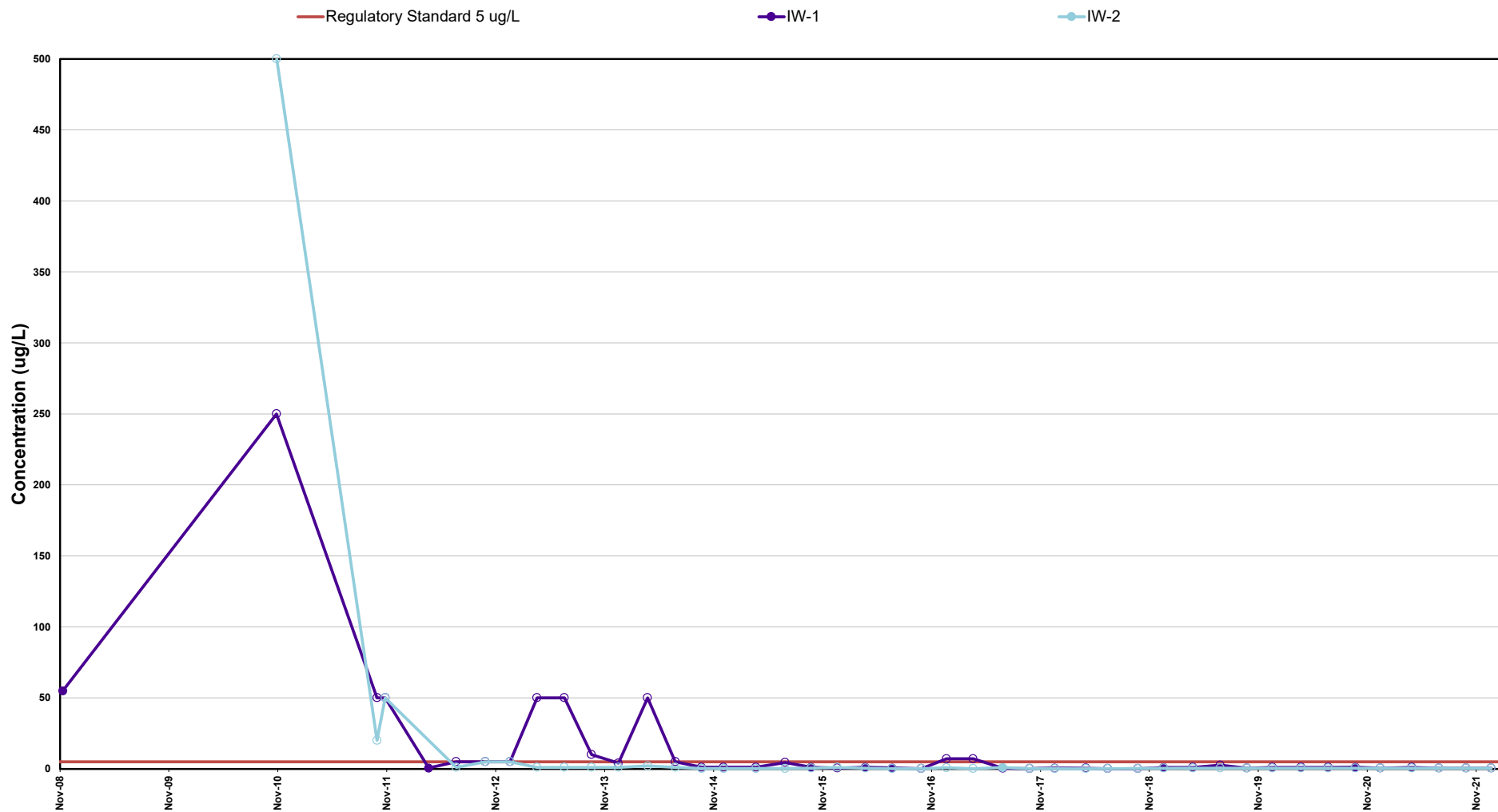
Garlock Sealing Technologies
BCP Site #C859028
Total organic carbon (TOC) Trend
Carbon Tet Area

Toluene Area



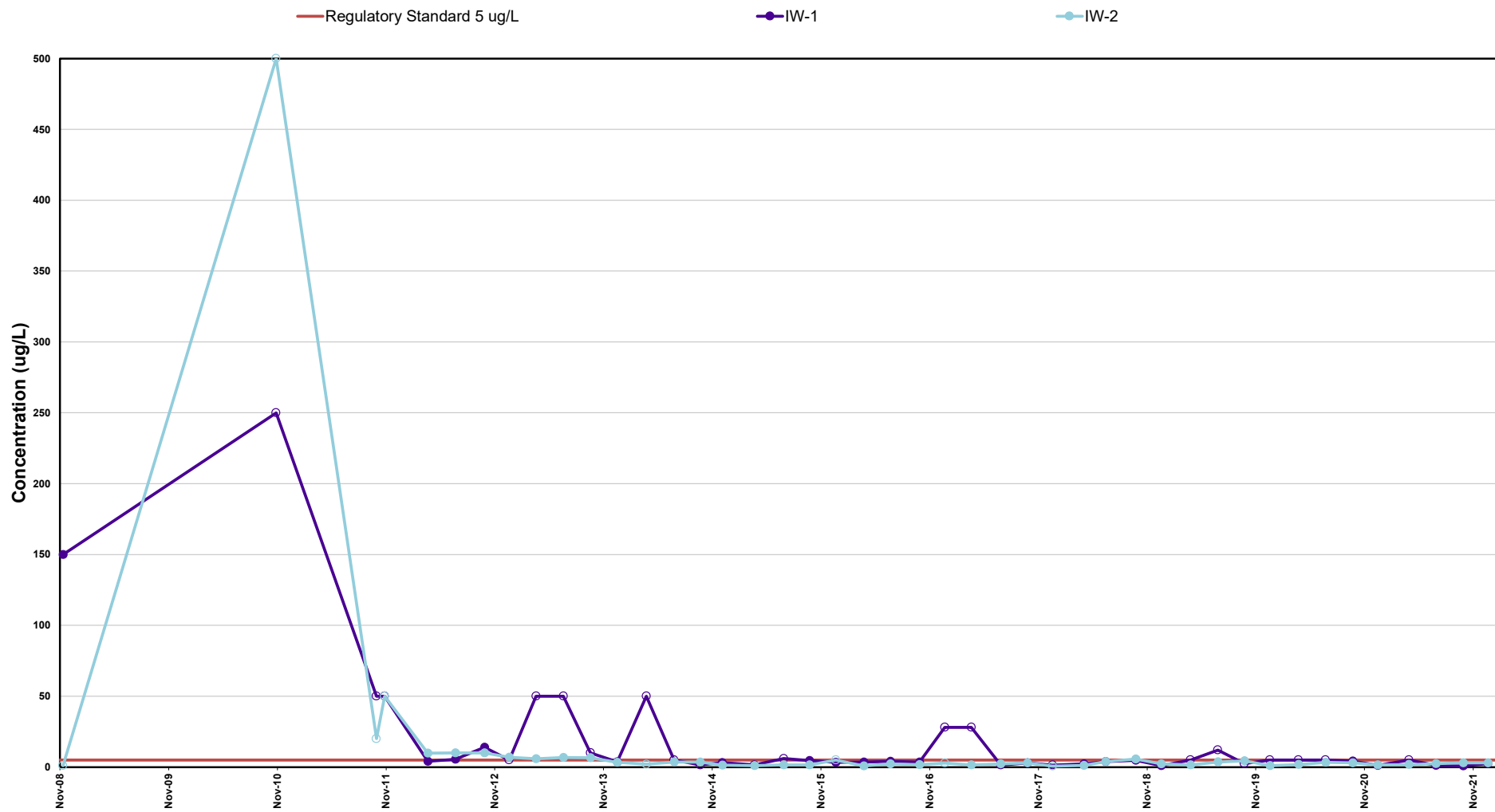
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Toluene Trend
Toluene Area



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

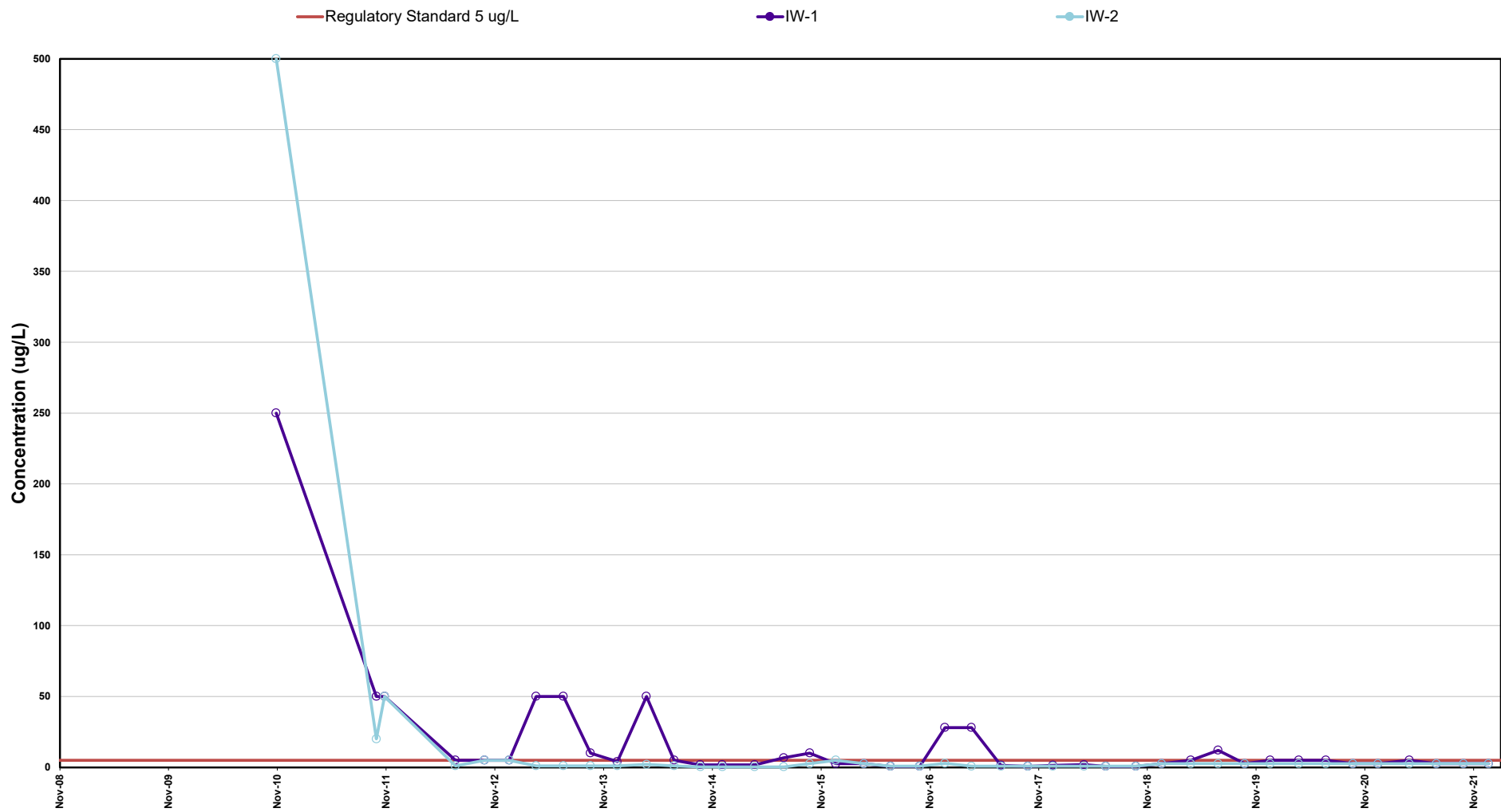
Garlock Sealing Technologies
BCP Site #C859028
Trichloroethene Trend
Toluene Area



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

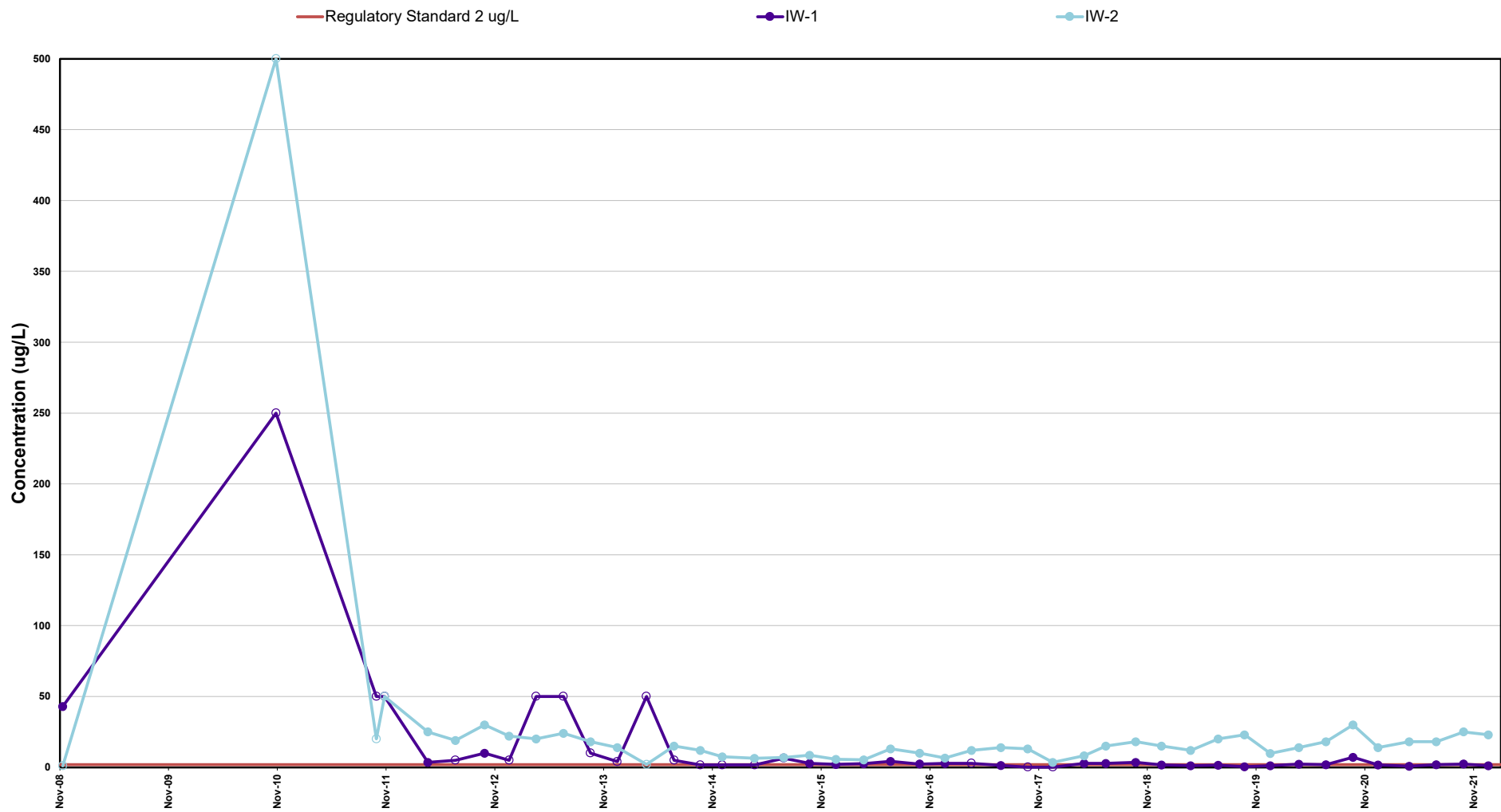
Garlock Sealing Technologies
BCP Site #C859028
cis-1,2-Dichloroethene Trend

Toluene Area



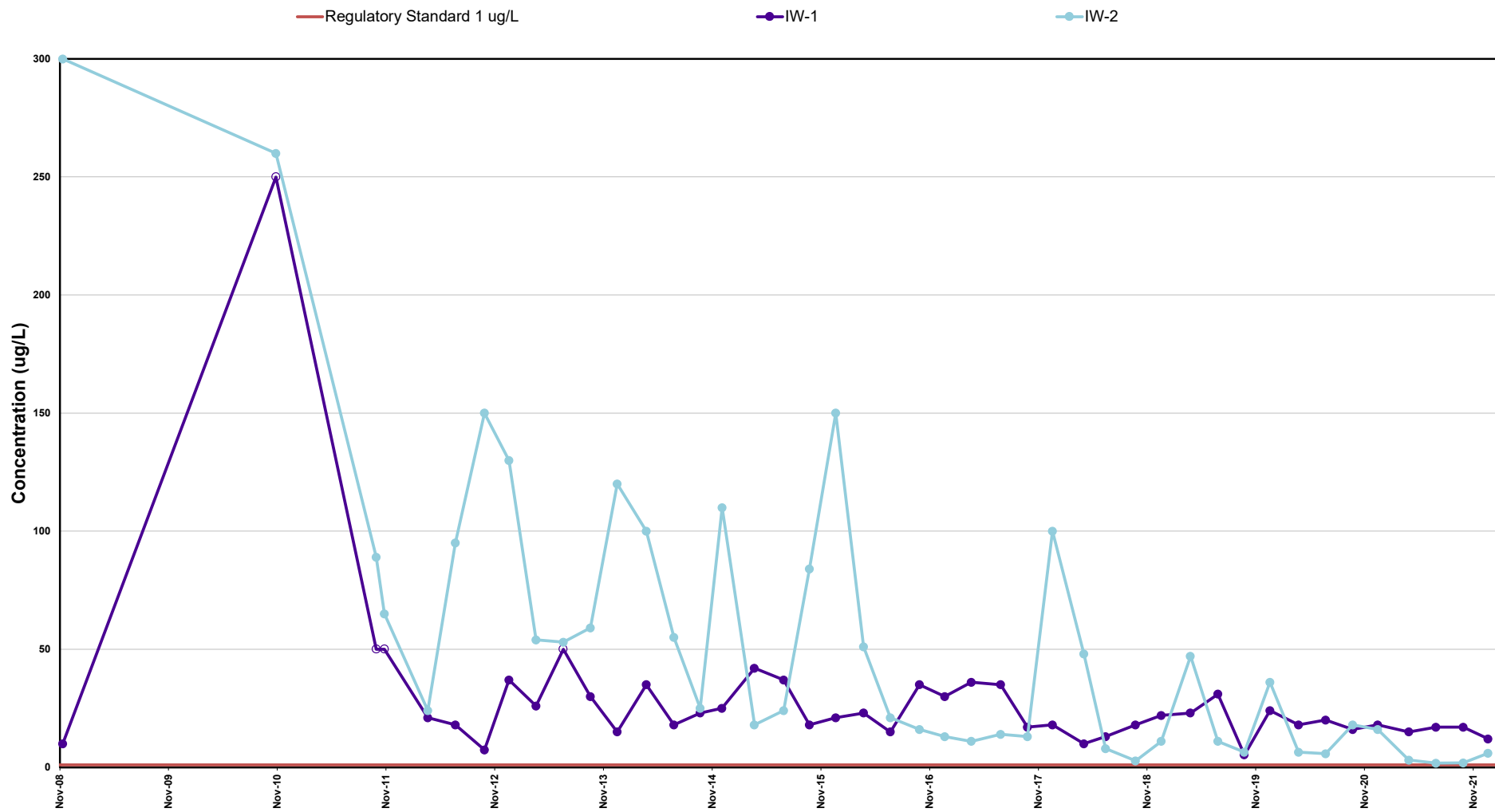
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
trans-1,2-Dichloroethene Trend
Toluene Area



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Vinyl chloride Trend
Toluene Area



Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Benzene Trend
Toluene Area

Attachment B

Groundwater Disposal Documentation

Please print or type.

DID: 92587

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NYD002210920	2. Page 1 of 1	3. Emergency Response Phone CHEMTREC CCN 800580 800-424-9300	4. Manifest Tracking Number 022123193 JJK			
5. Generator's Name and Mailing Address GARLOCK SEALING TECHNOLOGIES, LLC 1666 DIVISION STREET PALMYRA, NY 14522				Generator's Site Address (if different than mailing address)				
Generator's Phone: 315-597-7311 ATTN: CARRIE SANANGELO								
6. Transporter 1 Company Name FRANK'S VACUUM TRUCK SERVICE, INC.				U.S. EPA ID Number NYD982792814				
7. Transporter 2 Company Name <i>US Ecology Transportation Services</i>				U.S. EPA ID Number <i>NYD982792814</i>				
8. Designated Facility Name and Site Address MICHIGAN DISPOSAL WASTE TREATMENT PLANT 49350 NORTH T-94 SERVICE DRIVE BELLEVILLE, MI 48111				U.S. EPA ID Number MID000724831				
Facility's Phone: 800-592-5489								
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes		
		No.	Type					
X	1. RQ NA3082, HAZARDOUS WASTE, LIQUID, H.O.S. 9, PG III (F002)	2	DM	75g	P	F002		T
X	2. RQ UN2031, WASTE NITRIC ACID 8, PG II (D009)	1	DF	48	P	D002	D009	D018 T
	3.							
	4.							
14. Special Handling Instructions and Additional Information 1.) WELL DEVELOPMENT WATER (D1232981WTSMDI) (55GAL) ERG#171 2.) WASTE LAB SOLUTION W/ LOW MERCURY (B2246451WTSMDI) (5GAL) ERG#157 WTS ORDER # 93860 CONFIRMATION# <u>1093755</u>								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Officer's Printed/Typed Name <i>Carrie San Angelo</i>				Signature <i>Carrie San Angelo</i>		Month Day Year 3 11 22		
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____								
17. Transporter Acknowledgment of Receipt of Materials								
Transporter 1 Printed/Typed Name JASON CALOZZE				Signature <i>Jason Calozze</i>		Month Day Year 3 11 22		
Transporter 2 Printed/Typed Name <i>Kathleen Hight</i>				Signature <i>Kathleen Hight</i>		Month Day Year 9 4 22		
18. Discrepancy								
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection								
Manifest Reference Number: _____								
18b. Alternate Facility (or Generator)						U.S. EPA ID Number		
Facility's Phone: _____								
18c. Signature of Alternate Facility (or Generator)						Month Day Year		
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1. H100		2. H120		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name Antonio Calozze				Signature <i>Antonio Calozze</i>		Month Day Year 4 6 22		

UNITED STATES DEPARTMENT OF ENVIRONMENTAL PROTECTION

Please print or type

DID: 85613

Form Approved OMB No. 2050-0020

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number MD0002240020	2. Page 1 of 1	3. Emergency Response Phone CHEMTRICS CORP 800-440-8000 800-440-8000	4. Manifest Tracking Number 022123347 JJK
5. Generator Name and Address GARLOCK SEALING TECHNOLOGIES, LLC 3966 DIVISION STREET PALMYRA, NY 14522 Generator's Phone: 315-897-7311 ATTN: CARRIE SANANGELO					
6. Transporter Name and Address ENVIROSERVE, A DIVISION OF SUNPRO 1. Transporter's Company Name EQ INDUSTRIAL SERVICES 2. Designated Facility Name and Address MICHIGAN DISPOSAL WASTE TREATMENT PLANT 40350 NORTH T-24 SERVICE DRIVE BELLEVILLE, MI 48111 Facility's Phone: 800-592-5469					
GENERATOR	7a. U.S. DOT Description (including Proper Shipping Name, Hazard Class, and Packing Group (if any))	7b. Containers No. Type	11. Total Quantity	12. Unit Vol/Lbs	13. Waste Codes
	1. POLYMERIZING HAZARDOUS WASTE, LIQUID, N.O.S., PG III (F002)	4 DM	1300	P	F002 T
14. Special Handling Instructions and Additional Information 1. WASTE DEVELOPMENT WATER (F002/F003/F004/F005/F006/F007/F008/F009/F010/F011/F012/F013/F014/F015/F016/F017/F018/F019/F020/F021/F022/F023/F024/F025/F026/F027/F028/F029/F030/F031/F032/F033/F034/F035/F036/F037/F038/F039/F040/F041/F042/F043/F044/F045/F046/F047/F048/F049/F050/F051/F052/F053/F054/F055/F056/F057/F058/F059/F060/F061/F062/F063/F064/F065/F066/F067/F068/F069/F070/F071/F072/F073/F074/F075/F076/F077/F078/F079/F080/F081/F082/F083/F084/F085/F086/F087/F088/F089/F090/F091/F092/F093/F094/F095/F096/F097/F098/F099/F100) WTS ORDER # 68773 CONFIRMATION 04/03/21					
15. GENERATOR'S CERTIFICATION. I hereby declare that the contents of this manifest are true and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled, placarded, and are in all respects in proper condition for shipment according to applicable federal, state and local regulations. I export, transport and I am the primary transporter of this waste. I warrant that the contents of this manifest comply with the requirements of the manifest system. I warrant that the waste is not a large quantity generator or a very small quantity generator.					
Generator's Printed Name Carrie Sanangelo Signature Carrie Sanangelo Month Day Year 4/12/21					
TRANSPORTER	16. Transporter's Signature ☐ Import to U.S. ☐ Export from U.S. Port of origin: Country: U.S.				
	17. Transporter's Acknowledgment of Receipt of Materials Transporter's Printed Name: John Nao Signature: John Nao Month Day Year: 4/12/21				
DESIGNATED FACILITY	18. Emergency 18a. Emergency Instruction Space ☐ Quantity ☐ Type ☐ Partial ☐ Partial Reflector ☐ Full Reflector				
	18b. Remote Facility (for Generator) Facility's Name: Signature of Remote Facility (for Generator): Month Day Year: 4/12/21				
	19. Hazardous Waste Report Requirements (Section 304 of the RCRA, unless for hazardous waste treatment, storage, and recycling options) H100				
	20. Designated Facility Owner or Operator. Certification of receipt of hazardous waste(s) covered by this manifest as stated in Item 15a. Printed Name: Christopher Bower Signature: Christopher Bower Month Day Year: 5/17/21				

Please print or type.

DID: 88364

Form Approved, OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NYD002210920		2. Page 1 of 1		3. Emergency Response Phone CHEMTREC CON 800580 800-424-9300		4. Manifest Tracking Number 022123448 JJK		
5. Generator's Name and Mailing Address GARLOCK SEALING TECHNOLOGIES, LLC 1666 DIVISION STREET PALMYRA, NY 14522										
Generator's Phone: 315-597-7311 ATTN: CARRIE SANANGELO										
6. Transporter 1 Company Name FRANK'S VACUUM TRUCK SERVICE, INC.										
U.S. EPA ID Number NYD982792814										
7. Transporter 2 Company Name U & Ecology Transportation Solutions										
U.S. EPA ID Number MIK593743888										
8. Designated Facility Name and Site Address MICHIGAN DISPOSAL WASTE TREATMENT PLANT 49350 NORTH I-94 SERVICE DRIVE BELLEVILLE, MI 48111										
U.S. EPA ID Number MID000724831										
Facility's Phone: 800-592-5489										
GENERATOR	9a. ID#	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers No. Type		11. Total Quantity	12. UN# WM/MA	13. Waste Codes
	X	1. RQ NA3082, HAZARDOUS WASTE, LIQUID, N.O.S. 9, PG III (F002)				3 DM		1006	P	F002
		2.								T
		3.								
		4.								
14. Special Handling Instructions and Additional Information 1.) WELL DEVELOPMENT WATER (D1232581WTSMDI) (55GAL) ERG#171 WTS ORDER # 90046 CONFIRMATION										
15. GENERATOR/SUFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/hazardous, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.										
Generator's/Owner's Printed/Typed Name Carrie SanAngelo										
Signature Carrie SanAngelo										
Month Day Year 9 3 21										
TRANSPORTER	16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:									
	17. Transporter Acknowledgment of Receipt of Materials									
DESIGNATED FACILITY	Transporter 1 Printed/Typed Name Frank J Jurek III									
	Signature Frank J Jurek III									
Month Day Year 9 3 21										
Transporter 2 Printed/Typed Name Ethan Hobb										
Signature Ethan Hobb										
Month Day Year 9 15 21										
18. Discrepancy										
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection										
18b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number:										
Facility's Phone:										
18c. Signature of Alternate Facility (or Generator)										
Month Day Year										
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)										
1. H100 2. 3. 4.										
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 19a										
Printed/Typed Name Natalie Mannino										
Signature Natalie Mannino										
Month Day Year 9 17 21										

Please print or type.

DID: 91154

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NYD002210920	2. Page 1 of 1	3. Emergency Response Phone CHEMTREC CCN 860530 800-424-9300	4. Manifest Tracking Number 022123115 JJK		
5. Generator's Name and Mailing Address GARLOCK SEALING TECHNOLOGIES, LLC 1666 DIVISION STREET PALMYRA, NY 14522				Generator's Site Address (if different than mailing address)			
Generator's Phone: 315-597-7311 ATTN: CARRIE SANANGELO							
6. Transporter 1 Company Name FRANK'S VACUUM TRUCK SERVICE, INC.				U.S. EPA ID Number NYD982792814			
7. Transporter 2 Company Name US Environmental Transport Solutions				U.S. EPA ID Number MID000724831			
8. Designated Facility Name and Site Address MICHIGAN DISPOSAL WASTE TREATMENT PLANT 49350 NORTH I-94 SERVICE DRIVE BELLEVILLE, MI 48111				U.S. EPA ID Number MID000724831			
Facility's Phone: 800-592-5488							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes	
		No.	Type				
X	1. RQ NA3082, HAZARDOUS WASTE, LIQUID, N.O.S. 9. PG III (F002)	4	DM	1134	P	F002	T
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information 1.) WELL DEVELOPMENT WATER (D1232961WTSMDI) (55GAL) ERG#171 WTS ORDER # 91553 CONFIRMATION#1072957							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name Carrie Sanangelo				Signature Carrie Sanangelo		Month Day Year 12 17 21	
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name Chris Hurdiss				Signature Chris Hurdiss		Month Day Year 12 17 21	
Transporter 2 Printed/Typed Name Thomas Hill				Signature Thomas Hill		Month Day Year 12 27 21	
18. Discrepancy							
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection							
18b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number							
Facility's Phone: 11100							
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. 11100		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name Antonio Pacheco				Signature Antonio Pacheco		Month Day Year 12 29 21	

Attachment C

Laboratory Analytical Reports

1st Quarter 2021



ANALYTICAL REPORT

Lab Number:	L2115839
Client:	GHD, Inc. 5788 Widewaters Pkwy Syracuse, NY 13214
ATTN:	Ian McNamara
Phone:	(315) 802-0312
Project Name:	GARLOCK
Project Number:	8615140-2101
Report Date:	04/07/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2115839-01	OW-1-033021	WATER	PALMYRA, NY	03/30/21 10:50	03/30/21
L2115839-02	OW-2/MW-41-033021	WATER	PALMYRA, NY	03/30/21 11:10	03/30/21
L2115839-03	OW-3/AOC-2-033021	WATER	PALMYRA, NY	03/30/21 10:50	03/30/21
L2115839-04	OW-4/MW-28-033021	WATER	PALMYRA, NY	03/30/21 11:20	03/30/21
L2115839-05	OW-5-033021	WATER	PALMYRA, NY	03/30/21 11:30	03/30/21
L2115839-06	MW0610-01-033021	WATER	PALMYRA, NY	03/30/21 13:05	03/30/21
L2115839-07	MW0811-01-033021	WATER	PALMYRA, NY	03/30/21 13:20	03/30/21
L2115839-08	MW63-033021	WATER	PALMYRA, NY	03/30/21 13:35	03/30/21
L2115839-09	MW0512-01-033021	WATER	PALMYRA, NY	03/30/21 12:30	03/30/21
L2115839-10	MW0512-02-033021	WATER	PALMYRA, NY	03/30/21 12:00	03/30/21
L2115839-11	MW0911-01-033021	WATER	PALMYRA, NY	03/30/21 12:30	03/30/21
L2115839-12	MW0911-02-033021	WATER	PALMYRA, NY	03/30/21 12:05	03/30/21
L2115839-13	IW-1-033021	WATER	PALMYRA, NY	03/30/21 09:15	03/30/21
L2115839-14	IW-2-033021	WATER	PALMYRA, NY	03/30/21 09:45	03/30/21
L2115839-15	TRIPBLANK-033021	WATER	PALMYRA, NY	03/30/21 00:00	03/30/21
L2115839-17	MW0610-4-033021	WATER	PALMYRA, NY	03/30/21 09:30	03/30/21
L2115839-18	MW0610-5-033021	WATER	PALMYRA, NY	03/30/21 10:00	03/30/21
L2115839-19	MW0811-02-033021	WATER	PALMYRA, NY	03/30/21 08:55	03/30/21

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2115839-02: The sample identified as "OW-2/MW-41-033021" on the chain of custody was identified as "OW-2/MW-4-033021" on the container label. At the client's request, the sample is reported as "OW-2/MW-41-033021".

Volatile Organics

L2115839-03D: Differences were noted between the results of the analyses which have been attributed to vial discrepancies. Further re-analysis could not be performed due to the existing vials being compromised.

Dissolved Gases

L2115839-08 and -17: The samples were collected in pre-preserved vials; however, the pH of the samples were determined to be greater than two.

Nitrogen, Nitrate

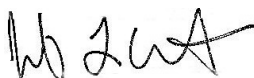
The WG1480702-4 MS recovery, performed on L2115839-06, is outside the acceptance criteria for nitrogen, nitrate (122%); however, the associated LCS recovery is within criteria. No further action was taken.

BOD, 5 day

L2115839-06, -08, and -19 was set at the correct dilution for BOD analysis according to prep screening; however, not enough depletion occurred. Therefore, the sample result is reported as "non-detect" at an elevated detection limit. Due to the expiration of the method required holding time, re-analysis could not be performed.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Jennifer L Clements

Title: Technical Director/Representative

Date: 04/07/21

ORGANICS

VOLATILES

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-01
Client ID: OW-1-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 10:50
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/21 11:20
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	6.2		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-01
Client ID: OW-1-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 10:50
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	2.0	J	ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	105		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-02 D
Client ID: OW-2/MW-41-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 11:10
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/21 13:24
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	110		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	340		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	6.0		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	13		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-02 D
Client ID: OW-2/MW-41-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 11:10
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	980		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	ND		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	105		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-03 D2
Client ID: OW-3/AOC-2-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 10:50
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/06/21 22:28
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
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Vinyl chloride	4500		ug/l	100	7.1	100
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	96		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-03 D
Client ID: OW-3/AOC-2-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 10:50
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/21 13:49
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	590		ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	ND		ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	ND		ug/l	10	2.6	20
1,1,1-Trichloroethane	ND		ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	3.3	20
Benzene	ND		ug/l	10	3.2	20
Toluene	ND		ug/l	50	14.	20
Ethylbenzene	ND		ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	8000	E	ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	10		ug/l	10	3.4	20
trans-1,2-Dichloroethene	38	J	ug/l	50	14.	20
Trichloroethene	5.1	J	ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-03 D
Client ID: OW-3/AOC-2-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 10:50
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	ND		ug/l	50	14.	20
p/m-Xylene	ND		ug/l	50	14.	20
o-Xylene	ND		ug/l	50	14.	20
cis-1,2-Dichloroethene	2300		ug/l	50	14.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	ND		ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	ND		ug/l	100	39.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
Bromochloromethane	ND		ug/l	50	14.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Isopropylbenzene	ND		ug/l	50	14.	20
1,2,3-Trichlorobenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
Methyl Acetate	ND		ug/l	40	4.7	20
Cyclohexane	ND		ug/l	200	5.4	20
1,4-Dioxane	ND		ug/l	5000	1200	20
Freon-113	ND		ug/l	50	14.	20
Methyl cyclohexane	ND		ug/l	200	7.9	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	109		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-04
Client ID: OW-4/MW-28-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 11:20
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/21 11:45
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	56		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	560	E	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.72		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-04
Client ID: OW-4/MW-28-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 11:20
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	48		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	106		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-04 D
Client ID: OW-4/MW-28-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 11:20
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/06/21 22:55
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Vinyl chloride	340		ug/l	10	0.71	10
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	98		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-05 D
Client ID: OW-5-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 11:30
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/07/21 03:02
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	28		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	210		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	ND		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-05 D
Client ID: OW-5-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 11:30
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	12		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	105		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-06
Client ID: MW0610-01-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 13:05
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/21 12:10
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	150		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.29	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	0.99	J	ug/l	2.5	0.70	1
Trichloroethene	2.5		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-06
Client ID: MW0610-01-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 13:05
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	93		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	112		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-06
Client ID: MW0610-01-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 13:05
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 04/01/21 13:12
Analyst: AW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	3420		ug/l	2.00	2.00	1	A
Ethene	8.74		ug/l	0.500	0.500	1	A
Ethane	10.8		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-07
Client ID: MW0811-01-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 13:20
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 117,-
Analytical Date: 04/01/21 13:30
Analyst: AW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	8900		ug/l	2.00	2.00	1	A
Ethene	40.6		ug/l	0.500	0.500	1	A
Ethane	43.3		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-07 D
Client ID: MW0811-01-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 13:20
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/21 14:39
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	1200		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-07 D
Client ID: MW0811-01-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 13:20
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	230		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	ND		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	107		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-08
Client ID: MW63-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 13:35
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 04/01/21 13:48
Analyst: AW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	842		ug/l	2.00	2.00	1	A
Ethene	17.3		ug/l	0.500	0.500	1	A
Ethane	8.80		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-08 D
Client ID: MW63-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 13:35
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/07/21 03:27
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethane	2.0	J	ug/l	6.2	1.8	2.5
Chloroform	ND		ug/l	6.2	1.8	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.34	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.34	2.5
Dibromochloromethane	ND		ug/l	1.2	0.37	2.5
1,1,2-Trichloroethane	ND		ug/l	3.8	1.2	2.5
Tetrachloroethene	ND		ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	6.2	1.8	2.5
Trichlorofluoromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.33	2.5
1,1,1-Trichloroethane	ND		ug/l	6.2	1.8	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
Bromoform	ND		ug/l	5.0	1.6	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.42	2.5
Benzene	ND		ug/l	1.2	0.40	2.5
Toluene	ND		ug/l	6.2	1.8	2.5
Ethylbenzene	ND		ug/l	6.2	1.8	2.5
Chloromethane	ND		ug/l	6.2	1.8	2.5
Bromomethane	ND		ug/l	6.2	1.8	2.5
Vinyl chloride	370		ug/l	2.5	0.18	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	0.52	J	ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	ND		ug/l	6.2	1.8	2.5
Trichloroethene	ND		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-08 D
Client ID: MW63-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 13:35
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl tert butyl ether	ND		ug/l	6.2	1.8	2.5
p/m-Xylene	ND		ug/l	6.2	1.8	2.5
o-Xylene	ND		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	280		ug/l	6.2	1.8	2.5
Styrene	ND		ug/l	6.2	1.8	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5	2.5
Acetone	3.6	J	ug/l	12	3.6	2.5
Carbon disulfide	ND		ug/l	12	2.5	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
4-Methyl-2-pentanone	ND		ug/l	12	2.5	2.5
2-Hexanone	ND		ug/l	12	2.5	2.5
Bromochloromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dibromoethane	ND		ug/l	5.0	1.6	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	1.8	2.5
Isopropylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,3-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl Acetate	ND		ug/l	5.0	0.58	2.5
Cyclohexane	ND		ug/l	25	0.68	2.5
1,4-Dioxane	ND		ug/l	620	150	2.5
Freon-113	ND		ug/l	6.2	1.8	2.5
Methyl cyclohexane	ND		ug/l	25	0.99	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	105		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-09 D
Client ID: MW0512-01-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 12:30
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/21 15:29
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	620	180	250
1,1-Dichloroethane	540	J	ug/l	620	180	250
Chloroform	ND		ug/l	620	180	250
Carbon tetrachloride	ND		ug/l	120	34.	250
1,2-Dichloropropane	ND		ug/l	250	34.	250
Dibromochloromethane	ND		ug/l	120	37.	250
1,1,2-Trichloroethane	ND		ug/l	380	120	250
Tetrachloroethene	ND		ug/l	120	45.	250
Chlorobenzene	ND		ug/l	620	180	250
Trichlorofluoromethane	180	J	ug/l	620	180	250
1,2-Dichloroethane	ND		ug/l	120	33.	250
1,1,1-Trichloroethane	1300		ug/l	620	180	250
Bromodichloromethane	ND		ug/l	120	48.	250
trans-1,3-Dichloropropene	ND		ug/l	120	41.	250
cis-1,3-Dichloropropene	ND		ug/l	120	36.	250
Bromoform	ND		ug/l	500	160	250
1,1,2,2-Tetrachloroethane	ND		ug/l	120	42.	250
Benzene	ND		ug/l	120	40.	250
Toluene	2900		ug/l	620	180	250
Ethylbenzene	230	J	ug/l	620	180	250
Chloromethane	ND		ug/l	620	180	250
Bromomethane	ND		ug/l	620	180	250
Vinyl chloride	1400		ug/l	250	18.	250
Chloroethane	ND		ug/l	620	180	250
1,1-Dichloroethene	57	J	ug/l	120	42.	250
trans-1,2-Dichloroethene	ND		ug/l	620	180	250
Trichloroethene	92	J	ug/l	120	44.	250
1,2-Dichlorobenzene	ND		ug/l	620	180	250

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-09 D
Client ID: MW0512-01-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 12:30
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	620	180	250
1,4-Dichlorobenzene	ND		ug/l	620	180	250
Methyl tert butyl ether	ND		ug/l	620	180	250
p/m-Xylene	800		ug/l	620	180	250
o-Xylene	300	J	ug/l	620	180	250
cis-1,2-Dichloroethene	35000		ug/l	620	180	250
Styrene	ND		ug/l	620	180	250
Dichlorodifluoromethane	ND		ug/l	1200	250	250
Acetone	ND		ug/l	1200	360	250
Carbon disulfide	ND		ug/l	1200	250	250
2-Butanone	ND		ug/l	1200	480	250
4-Methyl-2-pentanone	ND		ug/l	1200	250	250
2-Hexanone	ND		ug/l	1200	250	250
Bromochloromethane	ND		ug/l	620	180	250
1,2-Dibromoethane	ND		ug/l	500	160	250
1,2-Dibromo-3-chloropropane	ND		ug/l	620	180	250
Isopropylbenzene	ND		ug/l	620	180	250
1,2,3-Trichlorobenzene	ND		ug/l	620	180	250
1,2,4-Trichlorobenzene	ND		ug/l	620	180	250
Methyl Acetate	ND		ug/l	500	58.	250
Cyclohexane	ND		ug/l	2500	68.	250
1,4-Dioxane	ND		ug/l	62000	15000	250
Freon-113	ND		ug/l	620	180	250
Methyl cyclohexane	ND		ug/l	2500	99.	250

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	110		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-10 D
Client ID: MW0512-02-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 12:00
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/21 15:53
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	60		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	7.5	J	ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	19	J	ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	640		ug/l	10	0.71	10
Chloroethane	14	J	ug/l	25	7.0	10
1,1-Dichloroethene	14		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	11	J	ug/l	25	7.0	10
Trichloroethene	130		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-10 D
Client ID: MW0512-02-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 12:00
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	1300		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	ND		ug/l	25	7.0	10
Methyl cyclohexane	5.9	J	ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	110		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-11
Client ID: MW0911-01-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 12:30
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/21 12:35
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	0.81	J	ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	6.0		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.53		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-11
Client ID: MW0911-01-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 12:30
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	22		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.1	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	114		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-12 D
Client ID: MW0911-02-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 12:05
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/21 16:18
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	77		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	9.2	J	ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	1.9	J	ug/l	5.0	1.6	10
Toluene	770		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	480		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	41		ug/l	25	7.0	10
Trichloroethene	11		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-12 D
Client ID: MW0911-02-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 12:05
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	17	J	ug/l	25	7.0	10
o-Xylene	10	J	ug/l	25	7.0	10
cis-1,2-Dichloroethene	1800		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	16	J	ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	ND		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	101		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-13 **D**
Client ID: IW-1-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 09:15
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/07/21 01:24
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	15		ug/l	1.0	0.32	2
Toluene	13		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	0.70	J	ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	ND		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-13 D
Client ID: IW-1-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 09:15
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	70		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	260		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	118		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	93		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-14
Client ID: IW-2-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 09:45
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/21 13:00
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	3.1		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	18		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-14
Client ID: IW-2-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 09:45
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	1.8	J	ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.8	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	0.29	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	3.1	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	103		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-15
Client ID: TRIPBLANK-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 00:00
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/21 10:55
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-15
Client ID: TRIPBLANK-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 00:00
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.7	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	104		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-17
Client ID: MW0610-4-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 09:30
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/06/21 21:03
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	1.4		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-17
Client ID: MW0610-4-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 09:30
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	1.3	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	4.6	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	101		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-17
Client ID: MW0610-4-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 09:30
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 04/01/21 14:06
Analyst: AW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	2010		ug/l	2.00	2.00	1	A
Ethene	ND		ug/l	0.500	0.500	1	A
Ethane	0.612		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-18
Client ID: MW0610-5-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 10:00
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/21 10:53
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	9.2		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	5.3		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-18
Client ID: MW0610-5-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 10:00
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	0.70	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	7.0		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	3.8	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	15		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	106		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-18
Client ID: MW0610-5-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 10:00
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 117,-
Analytical Date: 04/01/21 14:46
Analyst: AW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	2570		ug/l	2.00	2.00	1	A
Ethene	0.850		ug/l	0.500	0.500	1	A
Ethane	2.95		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-19
Client ID: MW0811-02-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 08:55
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/21 11:14
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.24	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-19
Client ID: MW0811-02-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 08:55
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	105		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-19
Client ID: MW0811-02-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 08:55
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 117,-
Analytical Date: 04/01/21 15:09
Analyst: AW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	379		ug/l	2.00	2.00	1	A
Ethene	ND		ug/l	0.500	0.500	1	A
Ethane	ND		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 117,-
Analytical Date: 04/01/21 10:48
Analyst: AW

Parameter	Result	Qualifier	Units	RL	MDL
Dissolved Gases by GC - Mansfield Lab for sample(s): 06-08,17-19 Batch: WG1481400-3					
Methane	ND		ug/l	2.00	2.00 A
Ethene	ND		ug/l	0.500	0.500 A
Ethane	ND		ug/l	0.500	0.500 A

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/21 09:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 18-19 Batch: WG1482999-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/21 09:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 18-19 Batch: WG1482999-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/21 09:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 18-19 Batch: WG1482999-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	105		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/21 08:02
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-07,09-12,14-15 Batch: WG1483059-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/21 08:02
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-07,09-12,14-15 Batch: WG1483059-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/05/21 08:02
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-07,09-12,14-15 Batch: WG1483059-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	113		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/21 22:01
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG1483384-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/21 22:01
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG1483384-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	2.1	J	ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	96		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/21 17:44
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG1483441-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/21 17:44
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG1483441-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/21 17:44
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG1483441-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	96		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/21 21:16
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,08 Batch: WG1483464-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/21 21:16
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,08 Batch: WG1483464-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/21 21:16
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,08 Batch: WG1483464-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	108		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/21 20:22
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG1483466-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/21 20:22
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG1483466-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/21 20:22
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG1483466-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Dissolved Gases by GC - Mansfield Lab Associated sample(s): 06-08,17-19 Batch: WG1481400-2									
Methane	105		-		80-120	-		25	A
Ethene	94		-		80-120	-		25	A
Ethane	94		-		80-120	-		25	A

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 18-19 Batch: WG1482999-3 WG1482999-4								
Methylene chloride	98		97		70-130	1		20
1,1-Dichloroethane	88		88		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	99		96		70-130	3		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	100		110		70-130	10		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	93		92		62-150	1		20
1,2-Dichloroethane	99		98		70-130	1		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	97		100		70-130	3		20
Bromoform	95		99		54-136	4		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	110		100		70-130	10		20
Ethylbenzene	110		100		70-130	10		20
Chloromethane	89		87		64-130	2		20
Bromomethane	120		120		39-139	0		20
Vinyl chloride	99		100		55-140	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 18-19 Batch: WG1482999-3 WG1482999-4								
Chloroethane	84		85		55-138	1		20
1,1-Dichloroethene	100		97		61-145	3		20
trans-1,2-Dichloroethene	100		96		70-130	4		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		110		70-130	10		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	90		94		63-130	4		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	96		95		58-148	1		20
Carbon disulfide	95		97		51-130	2		20
2-Butanone	100		110		63-138	10		20
4-Methyl-2-pentanone	100		96		59-130	4		20
2-Hexanone	110		110		57-130	0		20
Bromochloromethane	100		110		70-130	10		20
1,2-Dibromoethane	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	98		110		41-144	12		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 18-19 Batch: WG1482999-3 WG1482999-4								
1,2,4-Trichlorobenzene	100		100		70-130	0		20
Methyl Acetate	88		85		70-130	3		20
Cyclohexane	100		96		70-130	4		20
1,4-Dioxane	104		104		56-162	0		20
Freon-113	100		95		70-130	5		20
Methyl cyclohexane	99		96		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		101		70-130
Toluene-d8	107		103		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	102		106		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-07,09-12,14-15 Batch: WG1483059-3 WG1483059-4								
Methylene chloride	100		110		70-130	10		20
1,1-Dichloroethane	120		120		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	110		110		63-130	0		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	120		120		75-130	0		20
Trichlorofluoromethane	120		110		62-150	9		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	110		110		70-130	0		20
cis-1,3-Dichloropropene	110		110		70-130	0		20
Bromoform	99		98		54-136	1		20
1,1,2,2-Tetrachloroethane	120		110		67-130	9		20
Benzene	110		110		70-130	0		20
Toluene	110		110		70-130	0		20
Ethylbenzene	110		120		70-130	9		20
Chloromethane	120		120		64-130	0		20
Bromomethane	100		100		39-139	0		20
Vinyl chloride	130		130		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-07,09-12,14-15 Batch: WG1483059-3 WG1483059-4								
Chloroethane	150	Q	140	Q	55-138	7		20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	120		120		70-130	0		20
1,3-Dichlorobenzene	120		120		70-130	0		20
1,4-Dichlorobenzene	120		120		70-130	0		20
Methyl tert butyl ether	100		110		63-130	10		20
p/m-Xylene	120		120		70-130	0		20
o-Xylene	115		120		70-130	4		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Styrene	115		120		70-130	4		20
Dichlorodifluoromethane	120		120		36-147	0		20
Acetone	85		85		58-148	0		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	100		100		63-138	0		20
4-Methyl-2-pentanone	95		97		59-130	2		20
2-Hexanone	92		98		57-130	6		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	99		100		41-144	1		20
Isopropylbenzene	120		120		70-130	0		20
1,2,3-Trichlorobenzene	110		110		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-07,09-12,14-15 Batch: WG1483059-3 WG1483059-4								
1,2,4-Trichlorobenzene	110		110		70-130	0		20
Methyl Acetate	110		120		70-130	9		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	98		104		56-162	6		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	98		99		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		101		70-130
Toluene-d8	106		106		70-130
4-Bromofluorobenzene	103		102		70-130
Dibromofluoromethane	103		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG1483384-3 WG1483384-4								
Methylene chloride	92		110		70-130	18		20
1,1-Dichloroethane	97		120		70-130	21	Q	20
Chloroform	98		110		70-130	12		20
Carbon tetrachloride	87		100		63-132	14		20
1,2-Dichloropropane	100		120		70-130	18		20
Dibromochloromethane	94		110		63-130	16		20
1,1,2-Trichloroethane	120		130		70-130	8		20
Tetrachloroethene	100		120		70-130	18		20
Chlorobenzene	100		120		75-130	18		20
Trichlorofluoromethane	91		110		62-150	19		20
1,2-Dichloroethane	97		110		70-130	13		20
1,1,1-Trichloroethane	90		110		67-130	20		20
Bromodichloromethane	94		110		67-130	16		20
trans-1,3-Dichloropropene	95		110		70-130	15		20
cis-1,3-Dichloropropene	92		110		70-130	18		20
Bromoform	89		110		54-136	21	Q	20
1,1,2,2-Tetrachloroethane	120		140	Q	67-130	15		20
Benzene	100		120		70-130	18		20
Toluene	100		120		70-130	18		20
Ethylbenzene	100		120		70-130	18		20
Chloromethane	86		110		64-130	24	Q	20
Bromomethane	45		69		39-139	42	Q	20
Vinyl chloride	84		100		55-140	17		20

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG1483384-3 WG1483384-4								
Chloroethane	90		110		55-138	20		20
1,1-Dichloroethene	96		120		61-145	22	Q	20
trans-1,2-Dichloroethene	93		110		70-130	17		20
Trichloroethene	90		110		70-130	20		20
1,2-Dichlorobenzene	99		110		70-130	11		20
1,3-Dichlorobenzene	100		120		70-130	18		20
1,4-Dichlorobenzene	100		120		70-130	18		20
Methyl tert butyl ether	94		110		63-130	16		20
p/m-Xylene	100		120		70-130	18		20
o-Xylene	100		120		70-130	18		20
cis-1,2-Dichloroethene	90		110		70-130	20		20
Styrene	100		120		70-130	18		20
Dichlorodifluoromethane	91		120		36-147	27	Q	20
Acetone	90		110		58-148	20		20
Carbon disulfide	98		120		51-130	20		20
2-Butanone	84		110		63-138	27	Q	20
4-Methyl-2-pentanone	96		120		59-130	22	Q	20
2-Hexanone	88		120		57-130	31	Q	20
Bromochloromethane	94		110		70-130	16		20
1,2-Dibromoethane	100		120		70-130	18		20
1,2-Dibromo-3-chloropropane	78		89		41-144	13		20
Isopropylbenzene	100		130		70-130	26	Q	20
1,2,3-Trichlorobenzene	82		100		70-130	20		20

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG1483384-3 WG1483384-4								
1,2,4-Trichlorobenzene	98		110		70-130	12		20
1,4-Dioxane	30	Q	34	Q	56-162	13		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		105		70-130
Toluene-d8	113		110		70-130
4-Bromofluorobenzene	113		112		70-130
Dibromofluoromethane	94		96		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1483441-3 WG1483441-4								
Methylene chloride	90		88		70-130	2		20
1,1-Dichloroethane	91		88		70-130	3		20
Chloroform	85		84		70-130	1		20
Carbon tetrachloride	86		88		63-132	2		20
1,2-Dichloropropane	85		89		70-130	5		20
Dibromochloromethane	88		88		63-130	0		20
1,1,2-Trichloroethane	93		93		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	96		97		75-130	1		20
Trichlorofluoromethane	90		91		62-150	1		20
1,2-Dichloroethane	84		84		70-130	0		20
1,1,1-Trichloroethane	88		89		67-130	1		20
Bromodichloromethane	81		84		67-130	4		20
trans-1,3-Dichloropropene	86		87		70-130	1		20
cis-1,3-Dichloropropene	81		82		70-130	1		20
Bromoform	86		86		54-136	0		20
1,1,2,2-Tetrachloroethane	91		94		67-130	3		20
Benzene	84		86		70-130	2		20
Toluene	99		98		70-130	1		20
Ethylbenzene	95		97		70-130	2		20
Chloromethane	78		78		64-130	0		20
Bromomethane	49		59		39-139	19		20
Vinyl chloride	83		85		55-140	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1483441-3 WG1483441-4								
Chloroethane	85		87		55-138	2		20
1,1-Dichloroethene	88		89		61-145	1		20
trans-1,2-Dichloroethene	93		90		70-130	3		20
Trichloroethene	88		89		70-130	1		20
1,2-Dichlorobenzene	97		99		70-130	2		20
1,3-Dichlorobenzene	99		100		70-130	1		20
1,4-Dichlorobenzene	99		100		70-130	1		20
Methyl tert butyl ether	83		82		63-130	1		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	88		89		70-130	1		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	83		85		36-147	2		20
Acetone	90		86		58-148	5		20
Carbon disulfide	85		86		51-130	1		20
2-Butanone	79		78		63-138	1		20
4-Methyl-2-pentanone	82		82		59-130	0		20
2-Hexanone	77		79		57-130	3		20
Bromochloromethane	92		93		70-130	1		20
1,2-Dibromoethane	89		93		70-130	4		20
1,2-Dibromo-3-chloropropane	67		71		41-144	6		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	72		83		70-130	14		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1483441-3 WG1483441-4								
1,2,4-Trichlorobenzene	85		96		70-130	12		20
Methyl Acetate	72		68	Q	70-130	6		20
Cyclohexane	91		92		70-130	1		20
1,4-Dioxane	72		72		56-162	0		20
Freon-113	92		95		70-130	3		20
Methyl cyclohexane	88		90		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
Toluene-d8	110		109		70-130
4-Bromofluorobenzene	104		103		70-130
Dibromofluoromethane	99		100		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,08 Batch: WG1483464-3 WG1483464-4								
Methylene chloride	99		96		70-130	3		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	95		94		67-130	1		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	100		98		70-130	2		20
Bromoform	85		88		54-136	3		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	120		120		64-130	0		20
Bromomethane	60		68		39-139	13		20
Vinyl chloride	130		130		55-140	0		20

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,08 Batch: WG1483464-3 WG1483464-4								
Chloroethane	140	Q	130		55-138	7		20
1,1-Dichloroethene	98		98		61-145	0		20
trans-1,2-Dichloroethene	98		98		70-130	0		20
Trichloroethene	98		96		70-130	2		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	100		110		70-130	10		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	110		110		70-130	0		20
cis-1,2-Dichloroethene	100		99		70-130	1		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	92		92		58-148	0		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	100		100		63-138	0		20
4-Methyl-2-pentanone	91		91		59-130	0		20
2-Hexanone	92		94		57-130	2		20
Bromochloromethane	100		99		70-130	1		20
1,2-Dibromoethane	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	90		90		41-144	0		20
Isopropylbenzene	110		110		70-130	0		20
1,2,3-Trichlorobenzene	94		95		70-130	1		20

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,08 Batch: WG1483464-3 WG1483464-4								
1,2,4-Trichlorobenzene	95		96		70-130	1		20
Methyl Acetate	120		120		70-130	0		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	98		98		56-162	0		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	96		97		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		104		70-130
Toluene-d8	106		106		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	101		101		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG1483466-3 WG1483466-4								
Methylene chloride	100		96		70-130	4		20
1,1-Dichloroethane	93		84		70-130	10		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	110		100		63-132	10		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	100		110		63-130	10		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	110		100		75-130	10		20
Trichlorofluoromethane	100		94		62-150	6		20
1,2-Dichloroethane	100		99		70-130	1		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	100		99		70-130	1		20
Bromoform	98		97		54-136	1		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	110		100		70-130	10		20
Toluene	110		110		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	82		81		64-130	1		20
Bromomethane	88		92		39-139	4		20
Vinyl chloride	100		98		55-140	2		20

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG1483466-3 WG1483466-4								
Chloroethane	87		80		55-138	8		20
1,1-Dichloroethene	96		92		61-145	4		20
trans-1,2-Dichloroethene	100		99		70-130	1		20
Trichloroethene	110		100		70-130	10		20
1,2-Dichlorobenzene	110		100		70-130	10		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	95		93		63-130	2		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	110		100		70-130	10		20
Styrene	110		105		70-130	5		20
Dichlorodifluoromethane	120		110		36-147	9		20
Acetone	90		90		58-148	0		20
Carbon disulfide	95		91		51-130	4		20
2-Butanone	110		110		63-138	0		20
4-Methyl-2-pentanone	100		100		59-130	0		20
2-Hexanone	110		120		57-130	9		20
Bromochloromethane	110		100		70-130	10		20
1,2-Dibromoethane	100		110		70-130	10		20
1,2-Dibromo-3-chloropropane	100		100		41-144	0		20
Isopropylbenzene	110		100		70-130	10		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG1483466-3 WG1483466-4								
1,2,4-Trichlorobenzene	100		100		70-130	0		20
Methyl Acetate	87		88		70-130	1		20
Cyclohexane	100		97		70-130	3		20
1,4-Dioxane	96		94		56-162	2		20
Freon-113	100		97		70-130	3		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		103		70-130
Toluene-d8	108		107		70-130
4-Bromofluorobenzene	94		97		70-130
Dibromofluoromethane	107		103		70-130

Lab Duplicate Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Gases by GC - Mansfield Lab Associated sample(s): 06-08,17-19 QC Batch ID: WG1481400-4 QC Sample: L2115839-19 Client ID: MW0811-02-033021						
Methane	379	383	ug/l	1		25 A
Ethene	ND	ND	ug/l	NC		25 A
Ethane	ND	ND	ug/l	NC		25 A

METALS

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-06
Client ID: MW0610-01-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 13:05
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total	18.7		mg/l	0.0500	0.0191	1	03/31/21 12:46	04/05/21 13:01	EPA 3005A	1,6020B	CD
Magnesium, Total	161.		mg/l	0.0700	0.0242	1	03/31/21 12:46	04/05/21 13:01	EPA 3005A	1,6020B	CD
Manganese, Total	1.115		mg/l	0.00100	0.00044	1	03/31/21 12:46	04/05/21 13:01	EPA 3005A	1,6020B	CD
Total Hardness (by calculation) - Mansfield Lab											
Hardness	1895.		mg/l	0.5400	NA	1	03/31/21 12:46	04/05/21 13:01	EPA 3005A	1,6020B	CD



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-07
Client ID: MW0811-01-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 13:20
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total	28.0		mg/l	0.0500	0.0191	1	03/31/21 12:46	04/05/21 13:06	EPA 3005A	1,6020B	CD
Magnesium, Total	218.		mg/l	0.700	0.242	10	03/31/21 12:46	04/05/21 16:11	EPA 3005A	1,6020B	CD
Manganese, Total	1.675		mg/l	0.00100	0.00044	1	03/31/21 12:46	04/05/21 13:06	EPA 3005A	1,6020B	CD
Total Hardness (by calculation) - Mansfield Lab											
Hardness	3138.		mg/l	5.400	NA	10	03/31/21 12:46	04/05/21 16:11	EPA 3005A	1,6020B	CD



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-08
 Client ID: MW63-033021
 Sample Location: PALMYRA, NY

Date Collected: 03/30/21 13:35
 Date Received: 03/30/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total	7.82		mg/l	0.0500	0.0191	1	03/31/21 12:46	04/05/21 13:11	EPA 3005A	1,6020B	CD
Magnesium, Total	164.		mg/l	0.700	0.242	10	03/31/21 12:46	04/05/21 17:34	EPA 3005A	1,6020B	CD
Manganese, Total	0.9605		mg/l	0.00100	0.00044	1	03/31/21 12:46	04/05/21 13:11	EPA 3005A	1,6020B	CD
Total Hardness (by calculation) - Mansfield Lab											
Hardness	2441.		mg/l	5.400	NA	10	03/31/21 12:46	04/05/21 17:34	EPA 3005A	1,6020B	CD



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-17
Client ID: MW0610-4-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 09:30
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total	2.25		mg/l	0.0500	0.0191	1	03/31/21 12:46	04/05/21 13:16	EPA 3005A	1,6020B	CD
Magnesium, Total	51.1		mg/l	0.0700	0.0242	1	03/31/21 12:46	04/05/21 13:16	EPA 3005A	1,6020B	CD
Manganese, Total	0.7104		mg/l	0.00100	0.00044	1	03/31/21 12:46	04/05/21 13:16	EPA 3005A	1,6020B	CD
Total Hardness (by calculation) - Mansfield Lab											
Hardness	875.4		mg/l	0.5400	NA	1	03/31/21 12:46	04/05/21 13:16	EPA 3005A	1,6020B	CD



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-18
Client ID: MW0610-5-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 10:00
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total	0.777		mg/l	0.0500	0.0191	1	03/31/21 12:46	04/05/21 13:21	EPA 3005A	1,6020B	CD
Magnesium, Total	55.4		mg/l	0.0700	0.0242	1	03/31/21 12:46	04/05/21 13:21	EPA 3005A	1,6020B	CD
Manganese, Total	0.3186		mg/l	0.00100	0.00044	1	03/31/21 12:46	04/05/21 13:21	EPA 3005A	1,6020B	CD
Total Hardness (by calculation) - Mansfield Lab											
Hardness	1042.		mg/l	0.5400	NA	1	03/31/21 12:46	04/05/21 13:21	EPA 3005A	1,6020B	CD



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-19
Client ID: MW0811-02-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 08:55
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total	1.84		mg/l	0.0500	0.0191	1	03/31/21 12:46	04/05/21 13:27	EPA 3005A	1,6020B	CD
Magnesium, Total	31.6		mg/l	0.0700	0.0242	1	03/31/21 12:46	04/05/21 13:27	EPA 3005A	1,6020B	CD
Manganese, Total	0.4174		mg/l	0.00100	0.00044	1	03/31/21 12:46	04/05/21 13:27	EPA 3005A	1,6020B	CD
Total Hardness (by calculation) - Mansfield Lab											
Hardness	551.5		mg/l	0.5400	NA	1	03/31/21 12:46	04/05/21 13:27	EPA 3005A	1,6020B	CD



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 06-08,17-19 Batch: WG1480861-1									
Iron, Total	ND	mg/l	0.0500	0.0191	1	03/31/21 12:46	04/01/21 16:30	1,6020B	CD
Magnesium, Total	ND	mg/l	0.0700	0.0242	1	03/31/21 12:46	04/01/21 16:30	1,6020B	CD
Manganese, Total	ND	mg/l	0.00100	0.00044	1	03/31/21 12:46	04/01/21 16:30	1,6020B	CD

Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Hardness (by calculation) - Mansfield Lab for sample(s): 06-08,17-19 Batch: WG1480861-1									
Hardness	ND	mg/l	0.5400	NA	1	03/31/21 12:46	04/01/21 16:30	1,6020B	CD

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06-08,17-19 Batch: WG1480861-2								
Iron, Total	102		-		80-120	-		
Magnesium, Total	107		-		80-120	-		
Manganese, Total	102		-		80-120	-		
Total Hardness (by calculation) - Mansfield Lab Associated sample(s): 06-08,17-19 Batch: WG1480861-2								
Hardness	102		-		80-120	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06-08,17-19 QC Batch ID: WG1480861-3 QC Sample: L2115454-07 Client ID: MS Sample												
Iron, Total	65.9	1	74.9	900	Q	-	-		75-125	-		20
Magnesium, Total	46.2	10	64.4	182	Q	-	-		75-125	-		20
Manganese, Total	5.572	0.5	7.142	314	Q	-	-		75-125	-		20
Total Hardness (by calculation) - Mansfield Lab Associated sample(s): 06-08,17-19 QC Batch ID: WG1480861-3 QC Sample: L2115454-07 Client ID: MS Sample												
Hardness	576.2	66.2	681.6	159	Q	-	-		75-125	-		20

INORGANICS & MISCELLANEOUS

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-01
Client ID: OW-1-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 10:50
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	34.		mg/l	10	2.7	1	04/05/21 17:40	04/05/21 20:38	44,410.4	TL
Total Organic Carbon	1.00		mg/l	0.500	0.114	1	-	04/05/21 07:43	121,5310C	DW



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-02
Client ID: OW-2/MW-41-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 11:10
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	9.9	J	mg/l	10	2.7	1	04/05/21 17:40	04/05/21 20:39	44,410.4	TL
Total Organic Carbon	2.54		mg/l	0.500	0.114	1	-	04/05/21 08:02	121,5310C	DW



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-03
Client ID: OW-3/AOC-2-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 10:50
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	52.		mg/l	10	2.7	1	04/05/21 17:40	04/05/21 20:39	44,410.4	TL
Total Organic Carbon	7.65		mg/l	1.00	0.228	2	-	04/05/21 08:20	121,5310C	DW



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-04
Client ID: OW-4/MW-28-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 11:20
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	20.		mg/l	10	2.7	1	04/05/21 17:40	04/05/21 20:39	44,410.4	TL
Total Organic Carbon	1.38		mg/l	0.500	0.114	1	-	04/05/21 08:39	121,5310C	DW



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-05
Client ID: OW-5-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 11:30
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	25.		mg/l	10	2.7	1	04/05/21 17:40	04/05/21 20:39	44,410.4	TL
Total Organic Carbon	1.22		mg/l	0.500	0.114	1	-	04/05/21 08:59	121,5310C	DW



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-06
Client ID: MW0610-01-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 13:05
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	387.		mg CaCO3/L	2.00	NA	1	-	04/05/21 17:15	121,2320B	JB
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	03/31/21 08:31	44,353.2	MR
Chemical Oxygen Demand	120		mg/l	10	2.7	1	04/05/21 17:40	04/05/21 20:39	44,410.4	TL
BOD, 5 day	ND		mg/l	10	NA	5	03/31/21 12:10	04/05/21 07:45	121,5210B	MT
Total Organic Carbon	2.72		mg/l	2.00	0.456	4	-	04/05/21 15:13	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	3410		mg/l	50.0	8.39	100	-	03/31/21 19:09	44,300.0	AT
Sulfate	153.		mg/l	100	45.4	100	-	03/31/21 19:09	44,300.0	AT



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-07
Client ID: MW0811-01-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 13:20
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	509.		mg CaCO3/L	2.00	NA	1	-	04/05/21 17:15	121,2320B	JB
Nitrogen, Nitrate	0.16		mg/l	0.10	0.023	1	-	03/31/21 08:38	44,353.2	MR
Chemical Oxygen Demand	240		mg/l	40	11.	4	04/05/21 17:40	04/05/21 20:39	44,410.4	TL
BOD, 5 day	13.		mg/l	10	NA	5	03/31/21 12:10	04/05/21 07:45	121,5210B	MT
Total Organic Carbon	3.22		mg/l	1.00	0.228	2	-	04/05/21 12:39	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	1260		mg/l	25.0	4.20	50	-	03/31/21 19:20	44,300.0	AT
Sulfate	725.		mg/l	50.0	22.7	50	-	03/31/21 19:20	44,300.0	AT



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-08
Client ID: MW63-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 13:35
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	347.		mg CaCO3/L	2.00	NA	1	-	04/05/21 17:15	121,2320B	JB
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	03/31/21 08:40	44,353.2	MR
Chemical Oxygen Demand	88.		mg/l	10	2.7	1	04/05/21 17:40	04/05/21 20:39	44,410.4	TL
BOD, 5 day	ND		mg/l	5.0	NA	2.5	03/31/21 12:10	04/05/21 07:45	121,5210B	MT
Total Organic Carbon	1.37		mg/l	1.00	0.228	2	-	04/05/21 12:58	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	3130		mg/l	50.0	8.39	100	-	03/31/21 19:30	44,300.0	AT
Sulfate	727.		mg/l	100	45.4	100	-	03/31/21 19:30	44,300.0	AT



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-17
Client ID: MW0610-4-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 09:30
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	390.		mg CaCO3/L	2.00	NA	1	-	04/05/21 17:15	121,2320B	JB
Nitrogen, Nitrate	0.026	J	mg/l	0.10	0.023	1	-	03/31/21 08:41	44,353.2	MR
Chemical Oxygen Demand	100		mg/l	10	2.7	1	04/05/21 17:40	04/05/21 20:40	44,410.4	TL
BOD, 5 day	11.		mg/l	5.0	NA	2.5	03/31/21 12:10	04/05/21 07:45	121,5210B	MT
Total Organic Carbon	3.26		mg/l	1.00	0.228	2	-	04/05/21 13:18	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	3000		mg/l	50.0	8.39	100	-	03/31/21 19:41	44,300.0	AT
Sulfate	674.		mg/l	100	45.4	100	-	03/31/21 19:41	44,300.0	AT



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-18
Client ID: MW0610-5-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 10:00
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	425.		mg CaCO3/L	2.00	NA	1	-	04/05/21 17:15	121,2320B	JB
Nitrogen, Nitrate	0.048	J	mg/l	0.10	0.023	1	-	03/31/21 08:42	44,353.2	MR
Chemical Oxygen Demand	96.		mg/l	10	2.7	1	04/05/21 17:40	04/05/21 20:40	44,410.4	TL
BOD, 5 day	16.		mg/l	5.0	NA	2.5	03/31/21 12:10	04/05/21 07:45	121,5210B	MT
Total Organic Carbon	3.97		mg/l	1.00	0.228	2	-	04/05/21 13:40	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	3270		mg/l	50.0	8.39	100	-	04/02/21 00:05	44,300.0	AT
Sulfate	700.		mg/l	50.0	22.7	50	-	03/31/21 19:52	44,300.0	AT



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

SAMPLE RESULTS

Lab ID: L2115839-19
Client ID: MW0811-02-033021
Sample Location: PALMYRA, NY

Date Collected: 03/30/21 08:55
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	386.		mg CaCO3/L	2.00	NA	1	-	04/05/21 17:15	121,2320B	JB
Nitrogen, Nitrate	1.8		mg/l	0.10	0.023	1	-	03/31/21 08:44	44,353.2	MR
Chemical Oxygen Demand	49.		mg/l	10	2.7	1	04/05/21 17:40	04/05/21 20:40	44,410.4	TL
BOD, 5 day	ND		mg/l	5.0	NA	2.5	03/31/21 12:10	04/05/21 07:45	121,5210B	MT
Total Organic Carbon	3.55		mg/l	1.00	0.228	2	-	04/05/21 15:32	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	2000		mg/l	50.0	8.39	100	-	03/31/21 20:14	44,300.0	AT
Sulfate	144.		mg/l	10.0	4.54	10	-	03/31/21 20:03	44,300.0	AT



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 06-08,17-19 Batch: WG1480702-1										
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	03/31/21 07:30	44,353.2	MR
General Chemistry - Westborough Lab for sample(s): 06-08,17-19 Batch: WG1480785-1										
BOD, 5 day	ND		mg/l	2.0	NA	1	03/31/21 12:10	04/05/21 07:45	121,5210B	MT
Anions by Ion Chromatography - Westborough Lab for sample(s): 06-08,17-19 Batch: WG1481139-1										
Chloride	0.111	J	mg/l	0.500	0.083	1	-	03/31/21 17:19	44,300.0	AT
Sulfate	ND		mg/l	1.00	0.454	1	-	03/31/21 17:19	44,300.0	AT
Anions by Ion Chromatography - Westborough Lab for sample(s): 18 Batch: WG1481637-1										
Chloride	0.208	J	mg/l	0.500	0.083	1	-	04/01/21 18:50	44,300.0	AT
Sulfate	ND		mg/l	1.00	0.454	1	-	04/01/21 18:50	44,300.0	AT
General Chemistry - Westborough Lab for sample(s): 01-08,17-19 Batch: WG1482304-1										
Total Organic Carbon	ND		mg/l	0.500	0.114	1	-	04/05/21 06:58	121,5310C	DW
General Chemistry - Westborough Lab for sample(s): 06-08,17-19 Batch: WG1482636-1										
Alkalinity, Total	ND		mg CaCO3/L	2.00	NA	1	-	04/05/21 17:15	121,2320B	JB
General Chemistry - Westborough Lab for sample(s): 01-08,17-19 Batch: WG1482661-1										
Chemical Oxygen Demand	ND		mg/l	10	2.7	1	04/05/21 17:40	04/05/21 20:38	44,410.4	TL

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 06-08,17-19 Batch: WG1480702-2								
Nitrogen, Nitrate	100		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 06-08,17-19 Batch: WG1480785-2								
BOD, 5 day	105		-		85-115	-		20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 06-08,17-19 Batch: WG1481139-2								
Chloride	103		-		90-110	-		
Sulfate	102		-		90-110	-		
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 18 Batch: WG1481637-2								
Chloride	102		-		90-110	-		
Sulfate	98		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-08,17-19 Batch: WG1482304-2								
Total Organic Carbon	104		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 06-08,17-19 Batch: WG1482636-2								
Alkalinity, Total	106		-		90-110	-		10
General Chemistry - Westborough Lab Associated sample(s): 01-08,17-19 Batch: WG1482661-2								
Chemical Oxygen Demand	98		-		90-110	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 06-08,17-19 QC Batch ID: WG1480702-4 QC Sample: L2115839-06 Client ID: MW0610-01-033021												
Nitrogen, Nitrate	ND	4	4.9	122	Q	-	-		83-113	-		6
General Chemistry - Westborough Lab Associated sample(s): 06-08,17-19 QC Batch ID: WG1480785-4 QC Sample: L2115951-07 Client ID: MS Sample												
BOD, 5 day	ND	100	65	65		-	-		50-145	-		35
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 06-08,17-19 QC Batch ID: WG1481139-3 QC Sample: L2115839-07 Client ID: MW0811-01-033021												
Chloride	1260	200	1450	95		-	-		90-110	-		18
Sulfate	725.	400	1100	95		-	-		90-110	-		20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 18 QC Batch ID: WG1481637-3 QC Sample: L2116021-04 Client ID: MS Sample												
Chloride	0.225J	4	3.98	100		-	-		90-110	-		18
Sulfate	ND	8	7.76	97		-	-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-08,17-19 QC Batch ID: WG1482304-4 QC Sample: L2116231-02 Client ID: MS Sample												
Total Organic Carbon	3.74	4	8.02	107		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 06-08,17-19 QC Batch ID: WG1482636-4 QC Sample: L2116126-02 Client ID: MS Sample												
Alkalinity, Total	50.7	100	153	102		-	-		86-116	-		10
General Chemistry - Westborough Lab Associated sample(s): 01-08,17-19 QC Batch ID: WG1482661-3 QC Sample: L2116231-02 Client ID: MS Sample												
Chemical Oxygen Demand	9.9J	47.6	57	120	Q	-	-		90-110	-		20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 06-08,17-19 QC Batch ID: WG1480702-3 QC Sample: L2115839-06 Client ID: MW0610-01-033021						
Nitrogen, Nitrate	ND	ND	mg/l	NC		6
General Chemistry - Westborough Lab Associated sample(s): 06-08,17-19 QC Batch ID: WG1480785-3 QC Sample: L2115951-07 Client ID: DUP Sample						
BOD, 5 day	ND	ND	mg/l	NC		35
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 06-08,17-19 QC Batch ID: WG1481139-4 QC Sample: L2115839-07 Client ID: MW0811-01-033021						
Chloride	1260	1250	mg/l	1		18
Sulfate	725.	729	mg/l	1		20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 18 QC Batch ID: WG1481637-4 QC Sample: L2116021-04 Client ID: DUP Sample						
Chloride	0.225J	0.226J	mg/l	NC		18
Sulfate	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-08,17-19 QC Batch ID: WG1482304-3 QC Sample: L2116231-02 Client ID: DUP Sample						
Total Organic Carbon	3.74	3.65	mg/l	2		20
General Chemistry - Westborough Lab Associated sample(s): 06-08,17-19 QC Batch ID: WG1482636-3 QC Sample: L2116126-02 Client ID: DUP Sample						
Alkalinity, Total	50.7	50.8	mg CaCO3/L	0		10

Lab Duplicate Analysis
Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08,17-19 QC Batch ID: WG1482661-4 QC Sample: L2116231-02 Client ID: DUP Sample					
Chemical Oxygen Demand	9.9J	9.9J	mg/l	NC	20

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839**Report Date:** 04/07/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2115839-01A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-01B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-01C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-01D	Vial H2SO4 preserved	A	NA		5.3	Y	Absent		TOC-5310(28)
L2115839-01E	Vial H2SO4 preserved	A	NA		5.3	Y	Absent		TOC-5310(28)
L2115839-01F	Plastic 250ml H2SO4 preserved	B	<2	<2	4.8	Y	Absent		COD-410-LOW(28)
L2115839-02A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-02B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-02C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-02D	Vial H2SO4 preserved	A	NA		5.3	Y	Absent		TOC-5310(28)
L2115839-02E	Vial H2SO4 preserved	A	NA		5.3	Y	Absent		TOC-5310(28)
L2115839-02F	Plastic 250ml H2SO4 preserved	B	<2	<2	4.8	Y	Absent		COD-410-LOW(28)
L2115839-03A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-03B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-03C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-03D	Vial H2SO4 preserved	A	NA		5.3	Y	Absent		TOC-5310(28)
L2115839-03E	Vial H2SO4 preserved	A	NA		5.3	Y	Absent		TOC-5310(28)
L2115839-03F	Plastic 250ml H2SO4 preserved	B	<2	<2	4.8	Y	Absent		COD-410-LOW(28)
L2115839-04A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-04B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-04C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-04D	Vial H2SO4 preserved	A	NA		5.3	Y	Absent		TOC-5310(28)

Project Name: GARLOCK**Lab Number:** L2115839**Project Number:** 8615140-2101**Report Date:** 04/07/21**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2115839-04E	Vial H2SO4 preserved	A	NA		5.3	Y	Absent		TOC-5310(28)
L2115839-04F	Plastic 250ml H2SO4 preserved	B	<2	<2	4.8	Y	Absent		COD-410-LOW(28)
L2115839-05A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-05B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-05C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-05D	Vial H2SO4 preserved	A	NA		5.3	Y	Absent		TOC-5310(28)
L2115839-05E	Vial H2SO4 preserved	A	NA		5.3	Y	Absent		TOC-5310(28)
L2115839-05F	Plastic 250ml H2SO4 preserved	B	<2	<2	4.8	Y	Absent		COD-410-LOW(28)
L2115839-06A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-06B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-06C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-06D	Vial H2SO4 preserved	A	NA		5.3	Y	Absent		TOC-5310(28)
L2115839-06E	Vial H2SO4 preserved	A	NA		5.3	Y	Absent		TOC-5310(28)
L2115839-06F	20ml Vial HCl preserved	A	NA		5.3	Y	Absent		DISSGAS(14)
L2115839-06G	20ml Vial HCl preserved	B	NA		4.8	Y	Absent		DISSGAS(14)
L2115839-06H	Plastic 250ml unpreserved/No Headspace	B	NA		4.8	Y	Absent		ALK-T-2320(14)
L2115839-06J	Plastic 250ml H2SO4 preserved	B	<2	<2	4.8	Y	Absent		COD-410-LOW(28)
L2115839-06K	Plastic 250ml HNO3 preserved	B	<2	<2	4.8	Y	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)
L2115839-06L	Plastic 950ml unpreserved	B	7	7	4.8	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2115839-07A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-07B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-07C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-07D	Vial H2SO4 preserved	A	NA		5.3	Y	Absent		TOC-5310(28)
L2115839-07E	Vial H2SO4 preserved	A	NA		5.3	Y	Absent		TOC-5310(28)
L2115839-07F	20ml Vial HCl preserved	A	NA		5.3	Y	Absent		DISSGAS(14)
L2115839-07G	20ml Vial HCl preserved	B	NA		4.8	Y	Absent		DISSGAS(14)
L2115839-07H	Plastic 250ml unpreserved/No Headspace	B	NA		4.8	Y	Absent		ALK-T-2320(14)
L2115839-07J	Plastic 250ml H2SO4 preserved	B	<2	<2	4.8	Y	Absent		COD-410-LOW(28)

Project Name: GARLOCK
Project Number: 8615140-2101

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Lab Number: L2115839
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2115839-07K	Plastic 250ml HNO3 preserved	B	<2	<2	4.8	Y	Absent		FE-6020T(180),MN-6020T(180),MG-6020T(180),HARDT-6020(180)
L2115839-07L	Plastic 950ml unpreserved	B	7	7	4.8	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2115839-08A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-08B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-08C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-08D	Vial H2SO4 preserved	A	NA		5.3	Y	Absent		TOC-5310(28)
L2115839-08E	Vial H2SO4 preserved	A	NA		5.3	Y	Absent		TOC-5310(28)
L2115839-08F	20ml Vial HCl preserved	A	NA		5.3	Y	Absent		DISSGAS(14)
L2115839-08G	20ml Vial HCl preserved	B	NA		4.8	Y	Absent		DISSGAS(14)
L2115839-08H	Plastic 250ml unpreserved/No Headspace	B	NA		4.8	Y	Absent		ALK-T-2320(14)
L2115839-08J	Plastic 250ml H2SO4 preserved	B	<2	<2	4.8	Y	Absent		COD-410-LOW(28)
L2115839-08K	Plastic 250ml HNO3 preserved	B	<2	<2	4.8	Y	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)
L2115839-08L	Plastic 950ml unpreserved	B	7	7	4.8	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2115839-09A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-09B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-09C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-10A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-10B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-10C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-11A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-11B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-11C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-12A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-12B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-12C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-13A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-13B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)

Project Name: GARLOCK**Lab Number:** L2115839**Project Number:** 8615140-2101**Report Date:** 04/07/21**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2115839-13C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-14A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-14B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-14C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-15A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-15B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-17A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-17B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-17C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-17D	Vial H2SO4 preserved	A	NA		5.3	Y	Absent		TOC-5310(28)
L2115839-17E	Vial H2SO4 preserved	A	NA		5.3	Y	Absent		TOC-5310(28)
L2115839-17F	20ml Vial HCl preserved	A	NA		5.3	Y	Absent		DISSGAS(14)
L2115839-17G	20ml Vial HCl preserved	A	NA		5.3	Y	Absent		DISSGAS(14)
L2115839-17H	Plastic 250ml unpreserved/No Headspace	B	NA		4.8	Y	Absent		ALK-T-2320(14)
L2115839-17J	Plastic 250ml H2SO4 preserved	B	<2	<2	4.8	Y	Absent		COD-410-LOW(28)
L2115839-17K	Plastic 250ml HNO3 preserved	B	<2	<2	4.8	Y	Absent		FE-6020T(180),MN-6020T(180),MG-6020T(180),HARDT-6020(180)
L2115839-17L	Plastic 950ml unpreserved	B	7	7	4.8	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2115839-18A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-18B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-18C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-18D	Vial H2SO4 preserved	A	NA		5.3	Y	Absent		TOC-5310(28)
L2115839-18E	Vial H2SO4 preserved	A	NA		5.3	Y	Absent		TOC-5310(28)
L2115839-18F	20ml Vial HCl preserved	A	NA		5.3	Y	Absent		DISSGAS(14)
L2115839-18G	20ml Vial HCl preserved	A	NA		5.3	Y	Absent		DISSGAS(14)
L2115839-18H	Plastic 250ml unpreserved/No Headspace	B	NA		4.8	Y	Absent		ALK-T-2320(14)
L2115839-18J	Plastic 250ml H2SO4 preserved	B	<2	<2	4.8	Y	Absent		COD-410-LOW(28)
L2115839-18K	Plastic 250ml HNO3 preserved	B	<2	<2	4.8	Y	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)

Project Name: GARLOCK
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2115839-18L	Plastic 950ml unpreserved	B	7	7	4.8	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2115839-19A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-19B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-19C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2115839-19D	Vial H2SO4 preserved	A	NA		5.3	Y	Absent		TOC-5310(28)
L2115839-19E	Vial H2SO4 preserved	A	NA		5.3	Y	Absent		TOC-5310(28)
L2115839-19F	20ml Vial HCl preserved	A	NA		5.3	Y	Absent		DISSGAS(14)
L2115839-19G	20ml Vial HCl preserved	A	NA		5.3	Y	Absent		DISSGAS(14)
L2115839-19H	Plastic 250ml unpreserved/No Headspace	B	NA		4.8	Y	Absent		ALK-T-2320(14)
L2115839-19J	Plastic 250ml H2SO4 preserved	B	<2	<2	4.8	Y	Absent		COD-410-LOW(28)
L2115839-19K	Plastic 250ml HNO3 preserved	B	<2	<2	4.8	Y	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)
L2115839-19L	Plastic 950ml unpreserved	B	7	7	4.8	Y	Absent		SO4-300(28),CL-300(28),NO3-353(2),BOD-5210(2)

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GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



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Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



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Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2115839
Report Date: 04/07/21

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.
- 117 Technical Guidance for the Natural Attenuation Indicators: Methane, Ethane, and Ethene, EPA-NE, Revision 1, February 21, 2002 and Sample Preparation & Calculations for Dissolved Gas Analysis in Water Samples using a GC Headspace Equilibration Technique, EPA RSKSOP-175, Revision 2, May 2004.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-896-9220 FAX: 508-896-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3268		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page <u>1</u> of <u>1</u>		Date Rec'd in Lab <u>03/31/21</u>		ALPHA Job # <u>L2115839</u>																																																																																																																											
		Project Information Project Name: <u>Garlock AOC-2</u> Project Location: <u>Palmyra NY</u> Project # <u>8615140-2101</u> (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☒ ASP-B ☐ EQUIS (1 File) ☒ EQUIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO # <u>33701522</u>																																																																																																																													
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Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

ALPHA Job # L2115839

Secure Storage A
R Cunningham A

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Page 1
of 1

d

03	31	2
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1215839

☐ Same as Client Info
PO # 33701522

Please identify below location of applicable disposal facilities.

☐ NJ ☐ NY
☐ Other: _____

TCL VOCs

☐ Done
☐ Lab to do
<i>Preservation</i>
☐ Lab to do

(Please Specify below)

Sample Specific Comments
1. The sample is a 100% pure substance, as indicated by the single sharp peak in the mass spectrum. 2. The molecular ion peak is observed at m/z 100, which corresponds to the molecular weight of the compound. 3. The base peak is at m/z 43, which is a common fragment for many organic compounds. 4. The fragmentation pattern suggests a structure with a molecular weight of 100 and a base peak at m/z 43.

Sample ID	Collection		Sample Matrix	Sampler's Initials
	Date	Time		

ALPHA Lab ID (Lab Use Only)	Sample ID
15839-09	MW0512-01-033021
-10	MW0512-02-033021
-11	MW0911-01-033021
-12	MW0911-02-033021
-13	IW-1-033021
-14	IW-2-033021
-15	Tripblank-033021

Preservative Code:
A = None
B = HCl
C = HNO₃
D = H₂SO₄
E = NaOH
F = MeOH
G = NaHSO₄
H = Na₂S₂O₃
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935

Mansfield: Certification No: MA015

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

17 Cunningham AAI
SECURE STORAGE AAI

3/30/21	1233
3/30/21	16.38
3/30/21	16.38

SECURE STORAGE AAL
RCunningham AAL
M. J. Cunningham

3/30/21 12:33
3/30/21 16:38
2/31/21 01:50

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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2nd Quarter 2021



ANALYTICAL REPORT

Lab Number:	L2135317
Client:	GHD, Inc. 5788 Widewaters Pkwy Syracuse, NY 13214
ATTN:	Ian McNamara
Phone:	(315) 802-0312
Project Name:	GARLOCK
Project Number:	8615140-2101
Report Date:	08/01/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2135317-01	MW0610-4-062921	WATER	PALMYRA, NY	06/29/21 09:00	06/29/21
L2135317-02	MW0610-5-062921	WATER	PALMYRA, NY	06/29/21 09:30	06/29/21
L2135317-03	MW0811-02-062921	WATER	PALMYRA, NY	06/29/21 08:25	06/29/21
L2135317-04	OW-1-062921	WATER	PALMYRA, NY	06/29/21 10:10	06/29/21
L2135317-05	OW-2/MW-41-062921	WATER	PALMYRA, NY	06/29/21 10:25	06/29/21
L2135317-06	OW-3/AOC-2-062921	WATER	PALMYRA, NY	06/29/21 10:45	06/29/21
L2135317-07	OW-4/MW-28-062921	WATER	PALMYRA, NY	06/29/21 10:30	06/29/21
L2135317-08	OW-5-062921	WATER	PALMYRA, NY	06/29/21 10:10	06/29/21
L2135317-09	MW0512-01-062921	WATER	PALMYRA, NY	06/29/21 11:40	06/29/21
L2135317-10	MW0512-02-062921	WATER	PALMYRA, NY	06/29/21 11:15	06/29/21
L2135317-11	MW0911-01-062921	WATER	PALMYRA, NY	06/29/21 11:40	06/29/21
L2135317-12	MW0911-02-062921	WATER	PALMYRA, NY	06/29/21 11:15	06/29/21
L2135317-13	IW-1-062921	WATER	PALMYRA, NY	06/29/21 08:45	06/29/21
L2135317-14	IW-2-062921	WATER	PALMYRA, NY	06/29/21 09:10	06/29/21
L2135317-15	TRIP BLANK-062921	WATER	PALMYRA, NY	06/29/21 00:00	06/29/21
L2135317-16	MW0610-1-062921	WATER	PALMYRA, NY	06/29/21 12:15	06/29/21
L2135317-17	MW0811-1-062921	WATER	PALMYRA, NY	06/29/21 12:20	06/29/21
L2135317-18	MW-63-062921	WATER	PALMYRA, NY	06/29/21 12:45	06/29/21

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Dissolved Gases

L2135317-02 and -17: The samples were collected in pre-preserved vials; however, the pH of the sample was determined to be greater than two.

Alkalinity, Total

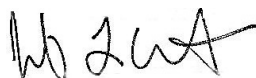
L2135317-01 and -02 was analyzed with the method required holding time exceeded.

BOD, 5 day

L2135317-16 and -18 were set at the correct dilution for BOD analysis according to prep screening; however, not enough depletion occurred. Therefore, the sample result is reported as "non-detect" at an elevated detection limit. Due to the expiration of the method required holding time, re-analysis could not be performed. The WG1519047-4 MS recovery, performed on L2135317-03, is outside the acceptance criteria for bod, 5 day (39%); however, the associated LCS recovery is within criteria. No further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Jennifer L Clements

Title: Technical Director/Representative

Date: 08/01/21

ORGANICS

VOLATILES

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-01
Client ID: MW0610-4-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 09:00
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/13/21 13:14
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.90		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.11	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-01
Client ID: MW0610-4-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 09:00
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	0.56	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	12		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	104		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-01
Client ID: MW0610-4-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 09:00
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 07/06/21 14:00
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	2340		ug/l	2.00	2.00	1	A
Ethene	ND		ug/l	0.500	0.500	1	A
Ethane	0.581		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-02
Client ID: MW0610-5-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 09:30
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/10/21 14:59
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	18		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	9.3		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-02
Client ID: MW0610-5-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 09:30
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	9.1		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	5.3	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	14		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	106		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-02
Client ID: MW0610-5-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 09:30
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 07/06/21 15:06
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	2980		ug/l	2.00	2.00	1	A
Ethene	1.21		ug/l	0.500	0.500	1	A
Ethane	3.21		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-03
Client ID: MW0811-02-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 08:25
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/10/21 15:22
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.36	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-03
Client ID: MW0811-02-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 08:25
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	5.8	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	108		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-03
Client ID: MW0811-02-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 08:25
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 07/06/21 15:23
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	365		ug/l	2.00	2.00	1	A
Ethene	ND		ug/l	0.500	0.500	1	A
Ethane	ND		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-04
Client ID: OW-1-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 10:10
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/10/21 15:46
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	8.3		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.37	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-04
Client ID: OW-1-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 10:10
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	3.0		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	106		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-05 D
Client ID: OW-2/MW-41-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 10:25
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/10/21 17:43
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	160		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	1100		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	10		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	20	J	ug/l	25	7.0	10
Trichloroethene	4.8	J	ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-05 D
Client ID: OW-2/MW-41-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 10:25
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	1700		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	ND		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	111		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-06 D2
Client ID: OW-3/AOC-2-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 10:45
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/12/21 11:22
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
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Vinyl chloride	4300		ug/l	100	7.1	100
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-06 D
Client ID: OW-3/AOC-2-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 10:45
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/10/21 18:07
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	380		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	5100	E	ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	3.4	J	ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	26		ug/l	25	7.0	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-06 D
Client ID: OW-3/AOC-2-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 10:45
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	1200		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	ND		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	108		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-07
Client ID: OW-4/MW-28-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 10:30
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/10/21 16:09
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	60		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	380	E	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.58		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-07
Client ID: OW-4/MW-28-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 10:30
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	30		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	110		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-07 D
Client ID: OW-4/MW-28-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 10:30
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/12/21 11:49
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
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Vinyl chloride	270		ug/l	10	0.71	10
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	102		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-08
Client ID: OW-5-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 10:10
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/10/21 16:33
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	29		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	140		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-08
Client ID: OW-5-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 10:10
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	7.2		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	107		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-09 D
Client ID: MW0512-01-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 11:40
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/10/21 18:30
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	1000	280	400
1,1-Dichloroethane	890	J	ug/l	1000	280	400
Chloroform	ND		ug/l	1000	280	400
Carbon tetrachloride	ND		ug/l	200	54.	400
1,2-Dichloropropane	ND		ug/l	400	55.	400
Dibromochloromethane	ND		ug/l	200	60.	400
1,1,2-Trichloroethane	ND		ug/l	600	200	400
Tetrachloroethene	ND		ug/l	200	72.	400
Chlorobenzene	ND		ug/l	1000	280	400
Trichlorofluoromethane	430	J	ug/l	1000	280	400
1,2-Dichloroethane	ND		ug/l	200	53.	400
1,1,1-Trichloroethane	3000		ug/l	1000	280	400
Bromodichloromethane	ND		ug/l	200	77.	400
trans-1,3-Dichloropropene	ND		ug/l	200	66.	400
cis-1,3-Dichloropropene	ND		ug/l	200	58.	400
Bromoform	ND		ug/l	800	260	400
1,1,2,2-Tetrachloroethane	ND		ug/l	200	67.	400
Benzene	ND		ug/l	200	64.	400
Toluene	6900		ug/l	1000	280	400
Ethylbenzene	340	J	ug/l	1000	280	400
Chloromethane	ND		ug/l	1000	280	400
Bromomethane	ND		ug/l	1000	280	400
Vinyl chloride	2000		ug/l	400	28.	400
Chloroethane	ND		ug/l	1000	280	400
1,1-Dichloroethene	150	J	ug/l	200	68.	400
trans-1,2-Dichloroethene	ND		ug/l	1000	280	400
Trichloroethene	ND		ug/l	200	70.	400
1,2-Dichlorobenzene	ND		ug/l	1000	280	400

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-09 D
Client ID: MW0512-01-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 11:40
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	1000	280	400
1,4-Dichlorobenzene	ND		ug/l	1000	280	400
Methyl tert butyl ether	ND		ug/l	1000	280	400
p/m-Xylene	1100		ug/l	1000	280	400
o-Xylene	460	J	ug/l	1000	280	400
cis-1,2-Dichloroethene	64000		ug/l	1000	280	400
Styrene	ND		ug/l	1000	280	400
Dichlorodifluoromethane	ND		ug/l	2000	400	400
Acetone	ND		ug/l	2000	580	400
Carbon disulfide	ND		ug/l	2000	400	400
2-Butanone	ND		ug/l	2000	780	400
4-Methyl-2-pentanone	ND		ug/l	2000	400	400
2-Hexanone	ND		ug/l	2000	400	400
Bromochloromethane	ND		ug/l	1000	280	400
1,2-Dibromoethane	ND		ug/l	800	260	400
1,2-Dibromo-3-chloropropane	ND		ug/l	1000	280	400
Isopropylbenzene	ND		ug/l	1000	280	400
1,2,3-Trichlorobenzene	ND		ug/l	1000	280	400
1,2,4-Trichlorobenzene	ND		ug/l	1000	280	400
Methyl Acetate	ND		ug/l	800	94.	400
Cyclohexane	ND		ug/l	4000	110	400
1,4-Dioxane	ND		ug/l	100000	24000	400
Freon-113	ND		ug/l	1000	280	400
Methyl cyclohexane	ND		ug/l	4000	160	400

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	108		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-10 D
Client ID: MW0512-02-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 11:15
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/10/21 18:54
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	100	28.	40
1,1-Dichloroethane	280		ug/l	100	28.	40
Chloroform	ND		ug/l	100	28.	40
Carbon tetrachloride	ND		ug/l	20	5.4	40
1,2-Dichloropropane	ND		ug/l	40	5.5	40
Dibromochloromethane	ND		ug/l	20	6.0	40
1,1,2-Trichloroethane	ND		ug/l	60	20.	40
Tetrachloroethene	ND		ug/l	20	7.2	40
Chlorobenzene	ND		ug/l	100	28.	40
Trichlorofluoromethane	ND		ug/l	100	28.	40
1,2-Dichloroethane	ND		ug/l	20	5.3	40
1,1,1-Trichloroethane	ND		ug/l	100	28.	40
Bromodichloromethane	ND		ug/l	20	7.7	40
trans-1,3-Dichloropropene	ND		ug/l	20	6.6	40
cis-1,3-Dichloropropene	ND		ug/l	20	5.8	40
Bromoform	ND		ug/l	80	26.	40
1,1,2,2-Tetrachloroethane	ND		ug/l	20	6.7	40
Benzene	ND		ug/l	20	6.4	40
Toluene	300		ug/l	100	28.	40
Ethylbenzene	ND		ug/l	100	28.	40
Chloromethane	ND		ug/l	100	28.	40
Bromomethane	ND		ug/l	100	28.	40
Vinyl chloride	1700		ug/l	40	2.8	40
Chloroethane	ND		ug/l	100	28.	40
1,1-Dichloroethene	9.2	J	ug/l	20	6.8	40
trans-1,2-Dichloroethene	28	J	ug/l	100	28.	40
Trichloroethene	23		ug/l	20	7.0	40
1,2-Dichlorobenzene	ND		ug/l	100	28.	40

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-10 D
Client ID: MW0512-02-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 11:15
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	100	28.	40
1,4-Dichlorobenzene	ND		ug/l	100	28.	40
Methyl tert butyl ether	ND		ug/l	100	28.	40
p/m-Xylene	ND		ug/l	100	28.	40
o-Xylene	ND		ug/l	100	28.	40
cis-1,2-Dichloroethene	6200		ug/l	100	28.	40
Styrene	ND		ug/l	100	28.	40
Dichlorodifluoromethane	ND		ug/l	200	40.	40
Acetone	ND		ug/l	200	58.	40
Carbon disulfide	ND		ug/l	200	40.	40
2-Butanone	ND		ug/l	200	78.	40
4-Methyl-2-pentanone	ND		ug/l	200	40.	40
2-Hexanone	ND		ug/l	200	40.	40
Bromochloromethane	ND		ug/l	100	28.	40
1,2-Dibromoethane	ND		ug/l	80	26.	40
1,2-Dibromo-3-chloropropane	ND		ug/l	100	28.	40
Isopropylbenzene	ND		ug/l	100	28.	40
1,2,3-Trichlorobenzene	ND		ug/l	100	28.	40
1,2,4-Trichlorobenzene	ND		ug/l	100	28.	40
Methyl Acetate	ND		ug/l	80	9.4	40
Cyclohexane	ND		ug/l	400	11.	40
1,4-Dioxane	ND		ug/l	10000	2400	40
Freon-113	ND		ug/l	100	28.	40
Methyl cyclohexane	ND		ug/l	400	16.	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	109		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-11 D
Client ID: MW0911-01-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 11:40
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/10/21 19:17
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	45	J	ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	ND		ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	ND		ug/l	10	2.6	20
1,1,1-Trichloroethane	ND		ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	3.3	20
Benzene	ND		ug/l	10	3.2	20
Toluene	ND		ug/l	50	14.	20
Ethylbenzene	ND		ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	680		ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	14		ug/l	10	3.4	20
trans-1,2-Dichloroethene	19	J	ug/l	50	14.	20
Trichloroethene	81		ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-11 D
Client ID: MW0911-01-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 11:40
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	ND		ug/l	50	14.	20
p/m-Xylene	ND		ug/l	50	14.	20
o-Xylene	ND		ug/l	50	14.	20
cis-1,2-Dichloroethene	3000		ug/l	50	14.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	ND		ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	ND		ug/l	100	39.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
Bromochloromethane	ND		ug/l	50	14.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Isopropylbenzene	ND		ug/l	50	14.	20
1,2,3-Trichlorobenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
Methyl Acetate	ND		ug/l	40	4.7	20
Cyclohexane	ND		ug/l	200	5.4	20
1,4-Dioxane	ND		ug/l	5000	1200	20
Freon-113	ND		ug/l	50	14.	20
Methyl cyclohexane	ND		ug/l	200	7.9	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	110		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-12 D
Client ID: MW0911-02-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 11:15
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/10/21 19:41
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	150		ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	ND		ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	ND		ug/l	10	2.6	20
1,1,1-Trichloroethane	ND		ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	3.3	20
Benzene	10		ug/l	10	3.2	20
Toluene	2800		ug/l	50	14.	20
Ethylbenzene	14	J	ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	1900		ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	3.4	J	ug/l	10	3.4	20
trans-1,2-Dichloroethene	49	J	ug/l	50	14.	20
Trichloroethene	ND		ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-12 D
Client ID: MW0911-02-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 11:15
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	ND		ug/l	50	14.	20
p/m-Xylene	53		ug/l	50	14.	20
o-Xylene	29	J	ug/l	50	14.	20
cis-1,2-Dichloroethene	1900		ug/l	50	14.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	ND		ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	ND		ug/l	100	39.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
Bromochloromethane	ND		ug/l	50	14.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Isopropylbenzene	ND		ug/l	50	14.	20
1,2,3-Trichlorobenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
Methyl Acetate	ND		ug/l	40	4.7	20
Cyclohexane	ND		ug/l	200	5.4	20
1,4-Dioxane	ND		ug/l	5000	1200	20
Freon-113	ND		ug/l	50	14.	20
Methyl cyclohexane	ND		ug/l	200	7.9	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	109		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-13
Client ID: IW-1-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 08:45
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/13/21 12:51
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	17		ug/l	0.50	0.16	1
Toluene	1.9	J	ug/l	2.5	0.70	1
Ethylbenzene	0.94	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.9		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-13
Client ID: IW-1-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 08:45
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	1.1	J	ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	20		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	53		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	105		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-14
Client ID: IW-2-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 09:10
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/10/21 16:56
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	1.8		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	18		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-14
Client ID: IW-2-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 09:10
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	2.5		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	1.8	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	107		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-15
Client ID: TRIP BLANK-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 00:00
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/13/21 23:19
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-15
Client ID: TRIP BLANK-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 00:00
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	120		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-16
Client ID: MW0610-1-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 12:15
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/10/21 16:09
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	180		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.25	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.2	J	ug/l	2.5	0.70	1
Trichloroethene	2.6		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-16
Client ID: MW0610-1-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 12:15
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	110		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	104		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-16
Client ID: MW0610-1-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 12:15
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 117,-
Analytical Date: 07/06/21 15:41
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	2980		ug/l	2.00	2.00	1	A
Ethene	10.2		ug/l	0.500	0.500	1	A
Ethane	10.4		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-17
Client ID: MW0811-1-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 12:20
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 07/06/21 15:59
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	10500		ug/l	2.00	2.00	1	A
Ethene	40.5		ug/l	0.500	0.500	1	A
Ethane	48.3		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-17 D2
Client ID: MW0811-1-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 12:20
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/11/21 15:12
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
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Vinyl chloride	1100		ug/l	20	1.4	20
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	108		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-17 D
Client ID: MW0811-1-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 12:20
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/10/21 15:42
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	1400	E	ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	ND		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-17 D
Client ID: MW0811-1-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 12:20
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	210		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	106		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-18
Client ID: MW-63-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 12:45
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 07/06/21 16:17
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	718		ug/l	2.00	2.00	1	A
Ethene	21.5		ug/l	0.500	0.500	1	A
Ethane	9.04		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-18 D
Client ID: MW-63-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 12:45
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/10/21 15:16
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	370		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	0.63	J	ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	1.4	J	ug/l	5.0	1.4	2
Trichloroethene	ND		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-18 D
Client ID: MW-63-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 12:45
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	290		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	104		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 117,-
Analytical Date: 07/06/21 10:40
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL
Dissolved Gases by GC - Mansfield Lab for sample(s): 01-03,16-18 Batch: WG1520701-3					
Methane	ND		ug/l	2.00	2.00 A
Ethene	ND		ug/l	0.500	0.500 A
Ethane	ND		ug/l	0.500	0.500 A

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/10/21 12:10
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-12,14 Batch: WG1522936-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/10/21 12:10
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-12,14 Batch: WG1522936-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/10/21 12:10
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-12,14 Batch: WG1522936-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	108		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/10/21 14:49
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 16-18 Batch: WG1522948-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/10/21 14:49
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 16-18 Batch: WG1522948-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/10/21 14:49
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 16-18 Batch: WG1522948-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	106		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/13/21 19:51
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15 Batch: WG1523079-10					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/13/21 19:51
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15 Batch: WG1523079-10					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/13/21 19:51
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15 Batch: WG1523079-10					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	122		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/12/21 09:34
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1523377-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/12/21 09:34
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1523377-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/12/21 09:34
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1523377-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	103		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/11/21 13:53
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG1523395-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/11/21 13:53
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG1523395-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/11/21 13:53
 Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG1523395-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	107		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/13/21 10:09
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,13 Batch: WG1523497-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/13/21 10:09
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,13 Batch: WG1523497-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/13/21 10:09
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,13 Batch: WG1523497-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Dissolved Gases by GC - Mansfield Lab Associated sample(s): 01-03,16-18 Batch: WG1520701-2									
Methane	115		-		80-120	-		25	A
Ethene	104		-		80-120	-		25	A
Ethane	102		-		80-120	-		25	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-12,14 Batch: WG1522936-3 WG1522936-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	110		100		70-130	10		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	98		97		70-130	1		20
Tetrachloroethene	97		98		70-130	1		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	100		99		70-130	1		20
cis-1,3-Dichloropropene	100		98		70-130	2		20
Bromoform	93		96		54-136	3		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	99		99		70-130	0		20
Toluene	98		98		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		100		64-130	10		20
Bromomethane	75		80		39-139	6		20
Vinyl chloride	100		99		55-140	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-12,14 Batch: WG1522936-3 WG1522936-4								
Chloroethane	110		100		55-138	10		20
1,1-Dichloroethene	99		97		61-145	2		20
trans-1,2-Dichloroethene	100		98		70-130	2		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	99		100		70-130	1		20
1,3-Dichlorobenzene	100		99		70-130	1		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	97		97		63-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	89		91		36-147	2		20
Acetone	170	Q	110		58-148	43	Q	20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	110		100		63-138	10		20
4-Methyl-2-pentanone	99		98		59-130	1		20
2-Hexanone	100		99		57-130	1		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	100		99		70-130	1		20
1,2-Dibromo-3-chloropropane	94		94		41-144	0		20
Isopropylbenzene	99		100		70-130	1		20
1,2,3-Trichlorobenzene	100		98		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-12,14 Batch: WG1522936-3 WG1522936-4								
1,2,4-Trichlorobenzene	100		100		70-130	0		20
Methyl Acetate	100		100		70-130	0		20
Cyclohexane	100		100		70-130	0		20
1,4-Dioxane	114		92		56-162	21	Q	20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	96		97		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	119		117		70-130
Toluene-d8	107		109		70-130
4-Bromofluorobenzene	108		111		70-130
Dibromofluoromethane	110		108		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-18 Batch: WG1522948-3 WG1522948-4								
Methylene chloride	94		93		70-130	1		20
1,1-Dichloroethane	86		86		70-130	0		20
Chloroform	96		95		70-130	1		20
Carbon tetrachloride	87		86		63-132	1		20
1,2-Dichloropropane	87		88		70-130	1		20
Dibromochloromethane	96		97		63-130	1		20
1,1,2-Trichloroethane	98		96		70-130	2		20
Tetrachloroethene	90		88		70-130	2		20
Chlorobenzene	99		98		75-130	1		20
Trichlorofluoromethane	83		83		62-150	0		20
1,2-Dichloroethane	95		94		70-130	1		20
1,1,1-Trichloroethane	91		90		67-130	1		20
Bromodichloromethane	97		96		67-130	1		20
trans-1,3-Dichloropropene	96		94		70-130	2		20
cis-1,3-Dichloropropene	96		94		70-130	2		20
Bromoform	92		93		54-136	1		20
1,1,2,2-Tetrachloroethane	100		98		67-130	2		20
Benzene	96		94		70-130	2		20
Toluene	94		95		70-130	1		20
Ethylbenzene	96		96		70-130	0		20
Chloromethane	62	Q	61	Q	64-130	2		20
Bromomethane	140	Q	140	Q	39-139	0		20
Vinyl chloride	110		100		55-140	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-18 Batch: WG1522948-3 WG1522948-4								
Chloroethane	190	Q	180	Q	55-138	5		20
1,1-Dichloroethene	82		83		61-145	1		20
trans-1,2-Dichloroethene	93		94		70-130	1		20
Trichloroethene	90		92		70-130	2		20
1,2-Dichlorobenzene	99		97		70-130	2		20
1,3-Dichlorobenzene	98		96		70-130	2		20
1,4-Dichlorobenzene	98		96		70-130	2		20
Methyl tert butyl ether	94		93		63-130	1		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	96		93		70-130	3		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	68		69		36-147	1		20
Acetone	86		80		58-148	7		20
Carbon disulfide	86		85		51-130	1		20
2-Butanone	76		70		63-138	8		20
4-Methyl-2-pentanone	80		77		59-130	4		20
2-Hexanone	80		78		57-130	3		20
Bromochloromethane	99		99		70-130	0		20
1,2-Dibromoethane	96		97		70-130	1		20
1,2-Dibromo-3-chloropropane	97		93		41-144	4		20
Isopropylbenzene	94		91		70-130	3		20
1,2,3-Trichlorobenzene	96		98		70-130	2		20

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-18 Batch: WG1522948-3 WG1522948-4								
1,2,4-Trichlorobenzene	98		95		70-130	3		20
Methyl Acetate	77		73		70-130	5		20
Cyclohexane	72		70		70-130	3		20
1,4-Dioxane	140		136		56-162	3		20
Freon-113	86		85		70-130	1		20
Methyl cyclohexane	83		79		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		100		70-130
Toluene-d8	99		102		70-130
4-Bromofluorobenzene	86		86		70-130
Dibromofluoromethane	101		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG1523079-8 WG1523079-9								
Methylene chloride	93		89		70-130	4		20
1,1-Dichloroethane	92		88		70-130	4		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	99		110		63-132	11		20
1,2-Dichloropropane	100		99		70-130	1		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	95		93		70-130	2		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	96		97		75-130	1		20
Trichlorofluoromethane	130		120		62-150	8		20
1,2-Dichloroethane	100		98		70-130	2		20
1,1,1-Trichloroethane	110		93		67-130	17		20
Bromodichloromethane	100		98		67-130	2		20
trans-1,3-Dichloropropene	85		85		70-130	0		20
cis-1,3-Dichloropropene	92		91		70-130	1		20
Bromoform	86		74		54-136	15		20
1,1,2,2-Tetrachloroethane	110		96		67-130	14		20
Benzene	100		98		70-130	2		20
Toluene	90		90		70-130	0		20
Ethylbenzene	89		92		70-130	3		20
Chloromethane	91		92		64-130	1		20
Bromomethane	120		110		39-139	9		20
Vinyl chloride	91		88		55-140	3		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG1523079-8 WG1523079-9								
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	95		98		61-145	3		20
trans-1,2-Dichloroethene	98		98		70-130	0		20
Trichloroethene	100		97		70-130	3		20
1,2-Dichlorobenzene	120		110		70-130	9		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	90		84		63-130	7		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	99		99		70-130	0		20
Styrene	95		100		70-130	5		20
Dichlorodifluoromethane	110		100		36-147	10		20
Acetone	90		90		58-148	0		20
Carbon disulfide	91		89		51-130	2		20
2-Butanone	100		140	Q	63-138	33	Q	20
4-Methyl-2-pentanone	89		96		59-130	8		20
2-Hexanone	100		100		57-130	0		20
Bromochloromethane	130		130		70-130	0		20
1,2-Dibromoethane	110		100		70-130	10		20
1,2-Dibromo-3-chloropropane	100		96		41-144	4		20
Isopropylbenzene	100		92		70-130	8		20
1,2,3-Trichlorobenzene	140	Q	100		70-130	33	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG1523079-8 WG1523079-9								
1,2,4-Trichlorobenzene	120		110		70-130	9		20
Methyl Acetate	96		93		70-130	3		20
Cyclohexane	92		94		70-130	2		20
1,4-Dioxane	128		118		56-162	8		20
Freon-113	110		100		70-130	10		20
Methyl cyclohexane	98		97		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		102		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	92		86		70-130
Dibromofluoromethane	116		111		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1523377-3 WG1523377-4								
Methylene chloride	91		94		70-130	3		20
1,1-Dichloroethane	92		98		70-130	6		20
Chloroform	92		96		70-130	4		20
Carbon tetrachloride	92		94		63-132	2		20
1,2-Dichloropropane	88		94		70-130	7		20
Dibromochloromethane	85		87		63-130	2		20
1,1,2-Trichloroethane	79		84		70-130	6		20
Tetrachloroethene	83		89		70-130	7		20
Chlorobenzene	87		90		75-130	3		20
Trichlorofluoromethane	93		97		62-150	4		20
1,2-Dichloroethane	97		100		70-130	3		20
1,1,1-Trichloroethane	85		90		67-130	6		20
Bromodichloromethane	88		92		67-130	4		20
trans-1,3-Dichloropropene	85		89		70-130	5		20
cis-1,3-Dichloropropene	89		93		70-130	4		20
Bromoform	75		81		54-136	8		20
1,1,2,2-Tetrachloroethane	95		100		67-130	5		20
Benzene	90		95		70-130	5		20
Toluene	88		91		70-130	3		20
Ethylbenzene	88		93		70-130	6		20
Chloromethane	110		110		64-130	0		20
Bromomethane	150	Q	160	Q	39-139	6		20
Vinyl chloride	98		100		55-140	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1523377-3 WG1523377-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	84		88		61-145	5		20
trans-1,2-Dichloroethene	90		92		70-130	2		20
Trichloroethene	78		84		70-130	7		20
1,2-Dichlorobenzene	85		88		70-130	3		20
1,3-Dichlorobenzene	87		90		70-130	3		20
1,4-Dichlorobenzene	86		88		70-130	2		20
Methyl tert butyl ether	95		100		63-130	5		20
p/m-Xylene	85		90		70-130	6		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	88		87		70-130	1		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	130		140		36-147	7		20
Acetone	100		87		58-148	14		20
Carbon disulfide	96		97		51-130	1		20
2-Butanone	82		86		63-138	5		20
4-Methyl-2-pentanone	75		82		59-130	9		20
2-Hexanone	82		92		57-130	11		20
Bromochloromethane	91		95		70-130	4		20
1,2-Dibromoethane	82		90		70-130	9		20
1,2-Dibromo-3-chloropropane	70		83		41-144	17		20
Isopropylbenzene	88		93		70-130	6		20
1,2,3-Trichlorobenzene	80		84		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1523377-3 WG1523377-4								
1,2,4-Trichlorobenzene	83		86		70-130	4		20
Methyl Acetate	86		99		70-130	14		20
Cyclohexane	88		96		70-130	9		20
1,4-Dioxane	78		92		56-162	16		20
Freon-113	96		100		70-130	4		20
Methyl cyclohexane	90		94		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		112		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	103		99		70-130
Dibromofluoromethane	108		104		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG1523395-3 WG1523395-4								
Methylene chloride	99		97		70-130	2		20
1,1-Dichloroethane	92		95		70-130	3		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	99		100		63-132	1		20
1,2-Dichloropropane	96		93		70-130	3		20
Dibromochloromethane	100		99		63-130	1		20
1,1,2-Trichloroethane	99		95		70-130	4		20
Tetrachloroethene	97		99		70-130	2		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	97		98		62-150	1		20
1,2-Dichloroethane	98		96		70-130	2		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	98		98		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
Bromoform	96		92		54-136	4		20
1,1,2,2-Tetrachloroethane	110		100		67-130	10		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		110		70-130	10		20
Chloromethane	67		70		64-130	4		20
Bromomethane	160	Q	170	Q	39-139	6		20
Vinyl chloride	120		110		55-140	9		20

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG1523395-3 WG1523395-4								
Chloroethane	180	Q	170	Q	55-138	6		20
1,1-Dichloroethene	94		95		61-145	1		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	95		95		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	94		89		63-130	5		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	100		105		70-130	5		20
Dichlorodifluoromethane	82		85		36-147	4		20
Acetone	75		68		58-148	10		20
Carbon disulfide	95		96		51-130	1		20
2-Butanone	71		65		63-138	9		20
4-Methyl-2-pentanone	75		73		59-130	3		20
2-Hexanone	75		70		57-130	7		20
Bromochloromethane	110		100		70-130	10		20
1,2-Dibromoethane	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	90		87		41-144	3		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	95		95		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG1523395-3 WG1523395-4								
1,2,4-Trichlorobenzene	97		97		70-130	0		20
Methyl Acetate	76		68	Q	70-130	11		20
Cyclohexane	82		84		70-130	2		20
1,4-Dioxane	112		116		56-162	4		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	97		93		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		94		70-130
Toluene-d8	99		101		70-130
4-Bromofluorobenzene	86		85		70-130
Dibromofluoromethane	101		99		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,13 Batch: WG1523497-3 WG1523497-4								
Methylene chloride	96		94		70-130	2		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		100		63-132	10		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	90		90		63-130	0		20
1,1,2-Trichloroethane	87		86		70-130	1		20
Tetrachloroethene	98		97		70-130	1		20
Chlorobenzene	99		98		75-130	1		20
Trichlorofluoromethane	110		100		62-150	10		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Bromodichloromethane	98		98		67-130	0		20
trans-1,3-Dichloropropene	89		88		70-130	1		20
cis-1,3-Dichloropropene	95		93		70-130	2		20
Bromoform	83		82		54-136	1		20
1,1,2,2-Tetrachloroethane	88		86		67-130	2		20
Benzene	100		97		70-130	3		20
Toluene	98		98		70-130	0		20
Ethylbenzene	100		98		70-130	2		20
Chloromethane	99		98		64-130	1		20
Bromomethane	97		97		39-139	0		20
Vinyl chloride	100		99		55-140	1		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,13 Batch: WG1523497-3 WG1523497-4								
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	100		99		61-145	1		20
trans-1,2-Dichloroethene	100		99		70-130	1		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	93		92		70-130	1		20
1,3-Dichlorobenzene	99		96		70-130	3		20
1,4-Dichlorobenzene	99		96		70-130	3		20
Methyl tert butyl ether	86		85		63-130	1		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	96		93		36-147	3		20
Acetone	87		80		58-148	8		20
Carbon disulfide	100		98		51-130	2		20
2-Butanone	84		77		63-138	9		20
4-Methyl-2-pentanone	80		85		59-130	6		20
2-Hexanone	77		78		57-130	1		20
Bromochloromethane	100		96		70-130	4		20
1,2-Dibromoethane	85		86		70-130	1		20
1,2-Dibromo-3-chloropropane	72		67		41-144	7		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	70		76		70-130	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,13 Batch: WG1523497-3 WG1523497-4								
1,2,4-Trichlorobenzene	85		88		70-130	3		20
Methyl Acetate	82		83		70-130	1		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	74		64		56-162	14		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	100		98		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		105		70-130
Toluene-d8	108		109		70-130
4-Bromofluorobenzene	112		110		70-130
Dibromofluoromethane	107		107		70-130

METALS

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-01
Client ID: MW0610-4-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 09:00
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total	5.72		mg/l	0.0500	0.0191	1	07/13/21 02:24	07/29/21 21:39	EPA 3005A	1,6020B	WP
Magnesium, Total	31.7		mg/l	0.0700	0.0242	1	07/13/21 02:24	07/29/21 21:39	EPA 3005A	1,6020B	WP
Manganese, Total	0.4419		mg/l	0.00100	0.00044	1	07/13/21 02:24	07/29/21 21:39	EPA 3005A	1,6020B	WP
Total Hardness (by calculation) - Mansfield Lab											
Hardness	464.0		mg/l	0.5400	NA	1	07/13/21 02:24	07/29/21 21:39	EPA 3005A	1,6020B	WP



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-02
 Client ID: MW0610-5-062921
 Sample Location: PALMYRA, NY

Date Collected: 06/29/21 09:30
 Date Received: 06/29/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total	2.67		mg/l	0.0500	0.0191	1	07/13/21 02:24	07/29/21 21:44	EPA 3005A	1,6020B	WP
Magnesium, Total	59.6		mg/l	0.0700	0.0242	1	07/13/21 02:24	07/29/21 21:44	EPA 3005A	1,6020B	WP
Manganese, Total	0.2540		mg/l	0.00100	0.00044	1	07/13/21 02:24	07/29/21 21:44	EPA 3005A	1,6020B	WP
Total Hardness (by calculation) - Mansfield Lab											
Hardness	1094.		mg/l	0.5400	NA	1	07/13/21 02:24	07/29/21 21:44	EPA 3005A	1,6020B	WP



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-03
Client ID: MW0811-02-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 08:25
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total	0.808		mg/l	0.0500	0.0191	1	07/13/21 02:24	07/29/21 21:48	EPA 3005A	1,6020B	WP
Magnesium, Total	21.8		mg/l	0.0700	0.0242	1	07/13/21 02:24	07/29/21 21:48	EPA 3005A	1,6020B	WP
Manganese, Total	0.3133		mg/l	0.00100	0.00044	1	07/13/21 02:24	07/29/21 21:48	EPA 3005A	1,6020B	WP
Total Hardness (by calculation) - Mansfield Lab											
Hardness	353.4		mg/l	0.5400	NA	1	07/13/21 02:24	07/29/21 21:48	EPA 3005A	1,6020B	WP



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-16
 Client ID: MW0610-1-062921
 Sample Location: PALMYRA, NY

Date Collected: 06/29/21 12:15
 Date Received: 06/29/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total	28.0		mg/l	0.0500	0.0191	1	07/13/21 02:24	07/29/21 21:53	EPA 3005A	1,6020B	WP
Magnesium, Total	189.		mg/l	0.0700	0.0242	1	07/13/21 02:24	07/29/21 21:53	EPA 3005A	1,6020B	WP
Manganese, Total	1.200		mg/l	0.00100	0.00044	1	07/13/21 02:24	07/29/21 21:53	EPA 3005A	1,6020B	WP
Total Hardness (by calculation) - Mansfield Lab											
Hardness	2005.		mg/l	0.5400	NA	1	07/13/21 02:24	07/29/21 21:53	EPA 3005A	1,6020B	WP



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-17
Client ID: MW0811-1-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 12:20
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total	85.0		mg/l	0.0500	0.0191	1	07/13/21 02:24	07/29/21 21:58	EPA 3005A	1,6020B	WP
Magnesium, Total	285.		mg/l	0.0700	0.0242	1	07/13/21 02:24	07/29/21 21:58	EPA 3005A	1,6020B	WP
Manganese, Total	2.426		mg/l	0.00100	0.00044	1	07/13/21 02:24	07/29/21 21:58	EPA 3005A	1,6020B	WP
Total Hardness (by calculation) - Mansfield Lab											
Hardness	3594.		mg/l	0.5400	NA	1	07/13/21 02:24	07/29/21 21:58	EPA 3005A	1,6020B	WP



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-18
 Client ID: MW-63-062921
 Sample Location: PALMYRA, NY

Date Collected: 06/29/21 12:45
 Date Received: 06/29/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total	8.39		mg/l	0.0500	0.0191	1	07/13/21 02:24	07/29/21 22:03	EPA 3005A	1,6020B	WP
Magnesium, Total	150.		mg/l	0.0700	0.0242	1	07/13/21 02:24	07/29/21 22:03	EPA 3005A	1,6020B	WP
Manganese, Total	0.8577		mg/l	0.00100	0.00044	1	07/13/21 02:24	07/29/21 22:03	EPA 3005A	1,6020B	WP
Total Hardness (by calculation) - Mansfield Lab											
Hardness	2380.		mg/l	0.5400	NA	1	07/13/21 02:24	07/29/21 22:03	EPA 3005A	1,6020B	WP



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03,16-18 Batch: WG1523087-1									
Iron, Total	ND	mg/l	0.0500	0.0191	1	07/13/21 02:24	07/29/21 20:27	1,6020B	WP
Magnesium, Total	ND	mg/l	0.0700	0.0242	1	07/13/21 02:24	07/29/21 20:27	1,6020B	WP
Manganese, Total	ND	mg/l	0.00100	0.00044	1	07/13/21 02:24	07/29/21 20:27	1,6020B	WP

Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Hardness (by calculation) - Mansfield Lab for sample(s): 01-03,16-18 Batch: WG1523087-1									
Hardness	ND	mg/l	0.5400	NA	1	07/13/21 02:24	07/29/21 20:27	1,6020B	WP

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,16-18 Batch: WG1523087-2								
Iron, Total	96		-		80-120	-		
Magnesium, Total	103		-		80-120	-		
Manganese, Total	95		-		80-120	-		
Total Hardness (by calculation) - Mansfield Lab Associated sample(s): 01-03,16-18 Batch: WG1523087-2								
Hardness	98		-		80-120	-		

Matrix Spike Analysis **Batch Quality Control**

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,16-18 QC Batch ID: WG1523087-3 WG1523087-4 QC Sample: L2135223-01 Client ID: MS Sample												
Iron, Total	0.066	1	1.00	93		0.998	93		75-125	0		20
Magnesium, Total	42.7	10	51.0	83		50.5	78		75-125	1		20
Manganese, Total	0.0027	0.5	0.4715	94		0.4576	91		75-125	3		20
Total Hardness (by calculation) - Mansfield Lab Associated sample(s): 01-03,16-18 QC Batch ID: WG1523087-3 WG1523087-4 QC Sample: L2135223-01 Client ID: MS Sample												
Hardness	380.6	66.2	440.5	90		444.5	96		75-125	1		20

INORGANICS & MISCELLANEOUS

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-01
Client ID: MW0610-4-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 09:00
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	329.		mg CaCO3/L	2.00	NA	1	-	07/14/21 09:09	121,2320B	MR
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	06/30/21 09:37	44,353.2	MR
Chemical Oxygen Demand	34.		mg/l	10	2.7	1	07/08/21 18:25	07/08/21 21:21	44,410.4	TL
BOD, 5 day	6.2		mg/l	2.0	NA	1	06/30/21 23:40	07/05/21 18:04	121,5210B	JD
Total Organic Carbon	3.48		mg/l	1.00	0.228	2	-	07/15/21 13:32	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	1380		mg/l	50.0	8.39	100	-	07/13/21 18:42	44,300.0	SH
Sulfate	145.		mg/l	100	45.4	100	-	07/13/21 18:42	44,300.0	SH



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-02
Client ID: MW0610-5-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 09:30
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	508.		mg CaCO3/L	2.00	NA	1	-	07/14/21 09:09	121,2320B	MR
Nitrogen, Nitrate	0.037	J	mg/l	0.10	0.023	1	-	06/30/21 09:42	44,353.2	MR
Chemical Oxygen Demand	74.		mg/l	10	2.7	1	07/08/21 18:25	07/08/21 21:21	44,410.4	TL
BOD, 5 day	26.		mg/l	15	NA	7.5	06/30/21 23:40	07/05/21 18:04	121,5210B	JD
Total Organic Carbon	5.49		mg/l	1.00	0.228	2	-	07/15/21 13:51	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	1110		mg/l	50.0	8.39	100	-	07/13/21 23:21	44,300.0	SH
Sulfate	371.		mg/l	100	45.4	100	-	07/13/21 23:21	44,300.0	SH



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-03
Client ID: MW0811-02-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 08:25
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	323.		mg CaCO3/L	2.00	NA	1	-	07/08/21 03:22	121,2320B	MR
Nitrogen, Nitrate	0.21		mg/l	0.10	0.023	1	-	06/30/21 09:43	44,353.2	MR
Chemical Oxygen Demand	20.		mg/l	10	2.7	1	07/08/21 18:25	07/08/21 21:21	44,410.4	TL
BOD, 5 day	ND		mg/l	2.0	NA	1	06/30/21 23:40	07/05/21 18:04	121,5210B	JD
Total Organic Carbon	3.06		mg/l	0.500	0.114	1	-	07/15/21 14:11	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	1370		mg/l	50.0	8.39	100	-	07/13/21 23:32	44,300.0	SH
Sulfate	106.		mg/l	100	45.4	100	-	07/13/21 23:32	44,300.0	SH



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-04
Client ID: OW-1-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 10:10
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	20.		mg/l	10	2.7	1	07/08/21 18:25	07/08/21 21:21	44,410.4	TL
Total Organic Carbon	0.897		mg/l	0.500	0.114	1	-	07/15/21 14:29	121,5310C	DW



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-05
Client ID: OW-2/MW-41-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 10:25
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	42.		mg/l	10	2.7	1	07/08/21 18:25	07/08/21 21:21	44,410.4	TL
Total Organic Carbon	3.06		mg/l	0.500	0.114	1	-	07/15/21 14:46	121,5310C	DW



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-06
Client ID: OW-3/AOC-2-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 10:45
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	34.		mg/l	10	2.7	1	07/08/21 18:25	07/08/21 21:22	44,410.4	TL
Total Organic Carbon	4.54		mg/l	0.500	0.114	1	-	07/15/21 15:07	121,5310C	DW



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-07
Client ID: OW-4/MW-28-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 10:30
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	7.4	J	mg/l	10	2.7	1	07/08/21 18:25	07/08/21 21:22	44,410.4	TL
Total Organic Carbon	1.42		mg/l	0.500	0.114	1	-	07/15/21 15:27	121,5310C	DW



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-08
Client ID: OW-5-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 10:10
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	7.4	J	mg/l	10	2.7	1	07/08/21 18:25	07/08/21 21:22	44,410.4	TL
Total Organic Carbon	1.33		mg/l	0.500	0.114	1	-	07/15/21 15:49	121,5310C	DW



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-16
Client ID: MW0610-1-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 12:15
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	254.		mg CaCO3/L	2.00	NA	1	-	07/08/21 03:22	121,2320B	MR
Nitrogen, Nitrate	0.028	J	mg/l	0.10	0.023	1	-	06/30/21 09:45	44,353.2	MR
Chemical Oxygen Demand	110		mg/l	10	2.7	1	07/08/21 18:25	07/08/21 21:22	44,410.4	TL
BOD, 5 day	ND		mg/l	10	NA	5	06/30/21 23:40	07/05/21 18:04	121,5210B	JD
Total Organic Carbon	2.29		mg/l	2.00	0.456	4	-	07/15/21 16:09	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	3180		mg/l	50.0	8.39	100	-	07/14/21 00:37	44,300.0	SH
Sulfate	159.		mg/l	100	45.4	100	-	07/14/21 00:37	44,300.0	SH



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-17
Client ID: MW0811-1-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 12:20
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	381.		mg CaCO3/L	2.00	NA	1	-	07/08/21 03:22	121,2320B	MR
Nitrogen, Nitrate	0.12		mg/l	0.10	0.023	1	-	06/30/21 09:46	44,353.2	MR
Chemical Oxygen Demand	170		mg/l	40	11.	4	07/08/21 18:25	07/08/21 21:23	44,410.4	TL
BOD, 5 day	8.8		mg/l	5.0	NA	2.5	06/30/21 23:40	07/05/21 18:04	121,5210B	JD
Total Organic Carbon	2.17		mg/l	1.00	0.228	2	-	07/15/21 15:26	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	1210		mg/l	25.0	4.20	50	-	07/14/21 01:21	44,300.0	SH
Sulfate	714.		mg/l	50.0	22.7	50	-	07/14/21 01:21	44,300.0	SH



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

SAMPLE RESULTS

Lab ID: L2135317-18
Client ID: MW-63-062921
Sample Location: PALMYRA, NY

Date Collected: 06/29/21 12:45
Date Received: 06/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	340.		mg CaCO3/L	2.00	NA	1	-	07/08/21 03:22	121,2320B	MR
Nitrogen, Nitrate	0.15		mg/l	0.10	0.023	1	-	06/30/21 09:47	44,353.2	MR
Chemical Oxygen Demand	66.		mg/l	10	2.7	1	07/08/21 18:25	07/08/21 21:23	44,410.4	TL
BOD, 5 day	ND		mg/l	5.0	NA	2.5	06/30/21 23:40	07/05/21 18:04	121,5210B	JD
Total Organic Carbon	0.464	J	mg/l	0.500	0.114	1	-	07/15/21 16:13	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	3010		mg/l	50.0	8.39	100	-	07/14/21 00:48	44,300.0	SH
Sulfate	705.		mg/l	100	45.4	100	-	07/14/21 00:48	44,300.0	SH



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03,16-18 Batch: WG1518688-1										
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	06/30/21 09:29	44,353.2	MR
General Chemistry - Westborough Lab for sample(s): 01-03,16-18 Batch: WG1519047-1										
BOD, 5 day	ND		mg/l	2.0	NA	1	06/30/21 23:40	07/05/21 18:04	121,5210B	JD
General Chemistry - Westborough Lab for sample(s): 03 Batch: WG1521506-1										
Alkalinity, Total	ND		mg CaCO ₃ /L	2.00	NA	1	-	07/08/21 03:22	121,2320B	MR
General Chemistry - Westborough Lab for sample(s): 16-18 Batch: WG1521507-1										
Alkalinity, Total	ND		mg CaCO ₃ /L	2.00	NA	1	-	07/08/21 03:22	121,2320B	MR
General Chemistry - Westborough Lab for sample(s): 01-08,16-18 Batch: WG1521933-1										
Chemical Oxygen Demand	ND		mg/l	10	2.7	1	07/08/21 18:25	07/08/21 21:20	44,410.4	TL
General Chemistry - Westborough Lab for sample(s): 17-18 Batch: WG1523340-1										
Total Organic Carbon	ND		mg/l	0.500	0.114	1	-	07/15/21 05:52	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab for sample(s): 01-03,16-18 Batch: WG1523518-1										
Chloride	0.089	J	mg/l	0.500	0.083	1	-	07/13/21 17:37	44,300.0	SH
Sulfate	ND		mg/l	1.00	0.454	1	-	07/13/21 17:37	44,300.0	SH
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1523647-1										
Alkalinity, Total	ND		mg CaCO ₃ /L	2.00	NA	1	-	07/14/21 09:09	121,2320B	MR
General Chemistry - Westborough Lab for sample(s): 01-08,16 Batch: WG1524043-1										
Total Organic Carbon	ND		mg/l	0.500	0.114	1	-	07/15/21 06:02	121,5310C	DW

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,16-18 Batch: WG1518688-2								
Nitrogen, Nitrate	98		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03,16-18 Batch: WG1519047-2								
BOD, 5 day	89		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 03 Batch: WG1521506-2								
Alkalinity, Total	102		-		90-110	-		10
General Chemistry - Westborough Lab Associated sample(s): 16-18 Batch: WG1521507-2								
Alkalinity, Total	103		-		90-110	-		10
General Chemistry - Westborough Lab Associated sample(s): 01-08,16-18 Batch: WG1521933-2								
Chemical Oxygen Demand	98		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 17-18 Batch: WG1523340-2								
Total Organic Carbon	96		-		90-110	-		
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-03,16-18 Batch: WG1523518-2								
Chloride	99		-		90-110	-		
Sulfate	101		-		90-110	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1523647-2					
Alkalinity, Total	101	-	90-110	-	10
General Chemistry - Westborough Lab Associated sample(s): 01-08,16 Batch: WG1524043-2					
Total Organic Carbon	99	-	90-110	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,16-18 QC Batch ID: WG1518688-4 QC Sample: L2135317-18 Client ID: MW-63-062921												
Nitrogen, Nitrate	0.15	4	3.9	94		-	-		83-113	-		6
General Chemistry - Westborough Lab Associated sample(s): 01-03,16-18 QC Batch ID: WG1519047-4 QC Sample: L2135317-03 Client ID: MW0811-02-062921												
BOD, 5 day	ND	100	39	39	Q	-	-		50-145	-		35
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1521506-4 QC Sample: L2135223-01 Client ID: MS Sample												
Alkalinity, Total	354.	100	449	95		-	-		86-116	-		10
General Chemistry - Westborough Lab Associated sample(s): 16-18 QC Batch ID: WG1521507-4 QC Sample: L2135400-01 Client ID: MS Sample												
Alkalinity, Total	54.8	100	169	114		-	-		86-116	-		10
General Chemistry - Westborough Lab Associated sample(s): 01-08,16-18 QC Batch ID: WG1521933-3 QC Sample: L2135317-01 Client ID: MW0610-4-062921												
Chemical Oxygen Demand	34.	47.6	81	99		-	-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 17-18 QC Batch ID: WG1523340-4 QC Sample: L2135223-01 Client ID: MS Sample												
Total Organic Carbon	0.829	4	5.10	107		-	-		80-120	-		20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-03,16-18 QC Batch ID: WG1523518-3 QC Sample: L2135317-17 Client ID: MW0811-1-062921												
Chloride	1210	200	1400	96		-	-		90-110	-		18
Sulfate	714.	400	1110	98		-	-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1523647-4 QC Sample: L2137545-02 Client ID: MS Sample												
Alkalinity, Total	285.	100	383	98		-	-		86-116	-		10

Matrix Spike Analysis
Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08,16 QC Batch ID: WG1524043-4 QC Sample: L2137915-01 Client ID: MS Sample									
Total Organic Carbon	44.0	80	129	106	-	-	80-120	-	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,16-18 QC Batch ID: WG1518688-3 QC Sample: L2135317-18 Client ID: MW-63-062921						
Nitrogen, Nitrate	0.15	0.15	mg/l	0		6
General Chemistry - Westborough Lab Associated sample(s): 01-03,16-18 QC Batch ID: WG1519047-3 QC Sample: L2135317-03 Client ID: MW0811-02-062921						
BOD, 5 day	ND	ND	mg/l	NC		35
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1521506-3 QC Sample: L2135223-01 Client ID: DUP Sample						
Alkalinity, Total	354.	358	mg CaCO3/L	1		10
General Chemistry - Westborough Lab Associated sample(s): 16-18 QC Batch ID: WG1521507-3 QC Sample: L2135400-01 Client ID: DUP Sample						
Alkalinity, Total	54.8	54.0	mg CaCO3/L	1		10
General Chemistry - Westborough Lab Associated sample(s): 01-08,16-18 QC Batch ID: WG1521933-4 QC Sample: L2135317-01 Client ID: MW0610-4-062921						
Chemical Oxygen Demand	34.	37	mg/l	8		20
General Chemistry - Westborough Lab Associated sample(s): 17-18 QC Batch ID: WG1523340-3 QC Sample: L2135223-01 Client ID: DUP Sample						
Total Organic Carbon	0.829	0.771	mg/l	7		20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-03,16-18 QC Batch ID: WG1523518-4 QC Sample: L2135317-17 Client ID: MW0811-1-062921						
Chloride	1210	1210	mg/l	0		18
Sulfate	714.	717	mg/l	0		20

Lab Duplicate Analysis

Batch Quality Control

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Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1523647-3 QC Sample: L2137545-02 Client ID: DUP Sample					
Alkalinity, Total	285.	272	mg CaCO ₃ /L	5	10
General Chemistry - Westborough Lab Associated sample(s): 01-08,16 QC Batch ID: WG1524043-3 QC Sample: L2137915-01 Client ID: DUP Sample					
Total Organic Carbon	44.0	42.1	mg/l	4	20

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Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2135317-01A	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-01B	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-01C	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-01D	Vial H2SO4 preserved	B	NA		4.0	Y	Absent		TOC-5310(28)
L2135317-01E	Vial H2SO4 preserved	B	NA		4.0	Y	Absent		TOC-5310(28)
L2135317-01G	20ml Vial HCl preserved	B	NA		4.0	Y	Absent		DISSGAS(14)
L2135317-01H	20ml Vial HCl preserved	B	NA		4.0	Y	Absent		DISSGAS(14)
L2135317-01J	Plastic 250ml unpreserved/No Headspace	A	NA		3.2	Y	Absent		ALK-T-2320(14)
L2135317-01K	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		FE-6020T(180),MN-6020T(180),MG-6020T(180),HARDT-6020(180)
L2135317-01L	Plastic 250ml H2SO4 preserved	A	<2	<2	3.2	Y	Absent		COD-410-LOW(28)
L2135317-01M	Plastic 950ml unpreserved	B	7	7	4.0	Y	Absent		SO4-300(28),CL-300(28),NO3-353(2),BOD-5210(2)
L2135317-02A	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-02B	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-02C	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-02D	Vial H2SO4 preserved	B	NA		4.0	Y	Absent		TOC-5310(28)
L2135317-02E	Vial H2SO4 preserved	B	NA		4.0	Y	Absent		TOC-5310(28)
L2135317-02G	20ml Vial HCl preserved	B	NA		4.0	Y	Absent		DISSGAS(14)
L2135317-02H	20ml Vial HCl preserved	B	NA		4.0	Y	Absent		DISSGAS(14)
L2135317-02J	Plastic 250ml unpreserved/No Headspace	A	NA		3.2	Y	Absent		ALK-T-2320(14)
L2135317-02K	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)
L2135317-02L	Plastic 250ml H2SO4 preserved	A	<2	<2	3.2	Y	Absent		COD-410-LOW(28)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2135317-02M	Plastic 950ml unpreserved	B	7	7	4.0	Y	Absent		SO4-300(28),CL-300(28),NO3-353(2),BOD-5210(2)
L2135317-03A	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-03B	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-03C	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-03D	Vial H2SO4 preserved	B	NA		4.0	Y	Absent		TOC-5310(28)
L2135317-03E	Vial H2SO4 preserved	B	NA		4.0	Y	Absent		TOC-5310(28)
L2135317-03G	20ml Vial HCl preserved	B	NA		4.0	Y	Absent		DISSGAS(14)
L2135317-03H	20ml Vial HCl preserved	B	NA		4.0	Y	Absent		DISSGAS(14)
L2135317-03J	Plastic 250ml unpreserved/No Headspace	A	NA		3.2	Y	Absent		ALK-T-2320(14)
L2135317-03K	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		FE-6020T(180),MN-6020T(180),MG-6020T(180),HARDT-6020(180)
L2135317-03L	Plastic 250ml H2SO4 preserved	A	<2	<2	3.2	Y	Absent		COD-410-LOW(28)
L2135317-03M	Plastic 950ml unpreserved	B	7	7	4.0	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2135317-04A	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-04B	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-04C	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-04D	Vial H2SO4 preserved	B	NA		4.0	Y	Absent		TOC-5310(28)
L2135317-04E	Vial H2SO4 preserved	B	NA		4.0	Y	Absent		TOC-5310(28)
L2135317-04F	Plastic 250ml H2SO4 preserved	A	<2	<2	3.2	Y	Absent		COD-410-LOW(28)
L2135317-05A	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-05B	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-05C	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-05D	Vial H2SO4 preserved	B	NA		4.0	Y	Absent		TOC-5310(28)
L2135317-05E	Vial H2SO4 preserved	B	NA		4.0	Y	Absent		TOC-5310(28)
L2135317-05F	Plastic 250ml H2SO4 preserved	A	<2	<2	3.2	Y	Absent		COD-410-LOW(28)
L2135317-06A	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-06B	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-06C	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)

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Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2135317-06D	Vial H2SO4 preserved	B	NA		4.0	Y	Absent		TOC-5310(28)
L2135317-06E	Vial H2SO4 preserved	B	NA		4.0	Y	Absent		TOC-5310(28)
L2135317-06F	Plastic 250ml H2SO4 preserved	A	<2	<2	3.2	Y	Absent		COD-410-LOW(28)
L2135317-07A	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-07B	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-07C	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-07D	Vial H2SO4 preserved	B	NA		4.0	Y	Absent		TOC-5310(28)
L2135317-07E	Vial H2SO4 preserved	B	NA		4.0	Y	Absent		TOC-5310(28)
L2135317-07F	Plastic 250ml H2SO4 preserved	A	<2	<2	3.2	Y	Absent		COD-410-LOW(28)
L2135317-08A	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-08B	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-08C	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-08D	Vial H2SO4 preserved	B	NA		4.0	Y	Absent		TOC-5310(28)
L2135317-08E	Vial H2SO4 preserved	B	NA		4.0	Y	Absent		TOC-5310(28)
L2135317-08F	Plastic 250ml H2SO4 preserved	A	<2	<2	3.2	Y	Absent		COD-410-LOW(28)
L2135317-09A	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-09B	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-09C	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-10A	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-10B	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-10C	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-11A	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-11B	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-11C	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-12A	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-12B	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-12C	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-13A	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2135317-13B	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-13C	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-14A	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-14B	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-14C	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-15A	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-15B	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-16A	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-16B	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-16C	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-16D	Vial H2SO4 preserved	B	NA		4.0	Y	Absent		TOC-5310(28)
L2135317-16E	Vial H2SO4 preserved	B	NA		4.0	Y	Absent		TOC-5310(28)
L2135317-16G	20ml Vial HCl preserved	B	NA		4.0	Y	Absent		DISSGAS(14)
L2135317-16H	20ml Vial HCl preserved	B	NA		4.0	Y	Absent		DISSGAS(14)
L2135317-16J	Plastic 250ml unpreserved/No Headspace	A	NA		3.2	Y	Absent		ALK-T-2320(14)
L2135317-16K	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		FE-6020T(180),MN-6020T(180),MG-6020T(180),HARDT-6020(180)
L2135317-16L	Plastic 250ml H2SO4 preserved	A	<2	<2	3.2	Y	Absent		COD-410-LOW(28)
L2135317-16M	Plastic 950ml unpreserved	B	7	7	4.0	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2135317-17A	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-17B	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-17C	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-17D	Vial H2SO4 preserved	B	NA		4.0	Y	Absent		TOC-5310(28)
L2135317-17E	Vial H2SO4 preserved	B	NA		4.0	Y	Absent		TOC-5310(28)
L2135317-17G	20ml Vial HCl preserved	B	NA		4.0	Y	Absent		DISSGAS(14)
L2135317-17H	20ml Vial HCl preserved	B	NA		4.0	Y	Absent		DISSGAS(14)
L2135317-17J	Plastic 250ml unpreserved/No Headspace	A	NA		3.2	Y	Absent		ALK-T-2320(14)
L2135317-17K	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2135317-17L	Plastic 250ml H2SO4 preserved	A	<2	<2	3.2	Y	Absent		COD-410-LOW(28)
L2135317-17M	Plastic 950ml unpreserved	B	7	7	4.0	Y	Absent		SO4-300(28),CL-300(28),NO3-353(2),BOD-5210(2)
L2135317-18A	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-18B	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-18C	Vial HCl preserved	B	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L2135317-18D	Vial H2SO4 preserved	B	NA		4.0	Y	Absent		TOC-5310(28)
L2135317-18E	Vial H2SO4 preserved	B	NA		4.0	Y	Absent		TOC-5310(28)
L2135317-18G	20ml Vial HCl preserved	B	NA		4.0	Y	Absent		DISSGAS(14)
L2135317-18H	20ml Vial HCl preserved	B	NA		4.0	Y	Absent		DISSGAS(14)
L2135317-18J	Plastic 250ml unpreserved/No Headspace	A	NA		3.2	Y	Absent		ALK-T-2320(14)
L2135317-18K	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)
L2135317-18L	Plastic 250ml H2SO4 preserved	A	<2	<2	3.2	Y	Absent		COD-410-LOW(28)
L2135317-18M	Plastic 950ml unpreserved	B	7	7	4.0	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)

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GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



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Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2135317
Report Date: 08/01/21

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.
- 117 Technical Guidance for the Natural Attenuation Indicators: Methane, Ethane, and Ethene, EPA-NE, Revision 1, February 21, 2002 and Sample Preparation & Calculations for Dissolved Gas Analysis in Water Samples using a GC Headspace Equilibration Technique, EPA RSKSOP-175, Revision 2, May 2004.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

Page 1 of 1

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page <u>1</u> of <u>1</u>		Date Rec'd in Lab <u>6/30/21</u>		ALPHA Job # <u>L2135317</u>																																
Client Information Client: <u>GHD</u> Address: <u>One Remington Park Drive Cazenovia NY</u> Phone: <u>315-679-5732</u> Fax: <u></u> Email: <u>Tan.McNamara@Ghd.com</u>		Project Information Project Name: <u>Garlock Carbon Tet Area</u> Project Location: <u>Palmyra NY</u> Project # <u>8615140-2101</u> (Use Project name as Project #) ☐ Project Manager: <u>Candace Fox</u> ALPHAQuote #: <u></u> Turn-Around Time Standard ☒ Rush (only if pre approved) ☐ Due Date: <u></u> # of Days: <u></u>		Deliverables ☐ ASP-A ☒ ASP-B ☐ EQulS (1 File) ☒ EQulS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO # <u>33701587</u>		Regulatory Requirement ☒ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:																														
These samples have been previously analyzed by Alpha ☒ Other project specific requirements/comments: <u>Metals Fe, Mg, Mn</u> Please specify Metals or TAL:					ANALYSIS <table border="1"> <thead> <tr> <th>TCL VOCs</th> <th>TOC</th> <th>COD</th> <th>BOD, Cl, SO₄, NO₃</th> <th>AIK</th> <th>Diss. Gases</th> <th>T. Metals / Hardness</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> </tbody> </table>					TCL VOCs	TOC	COD	BOD, Cl, SO ₄ , NO ₃	AIK	Diss. Gases	T. Metals / Hardness	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Sample Filtration ☐ Done ☐ Lab to do ☐ Preservation ☐ Lab to do (Please Specify below)		Total Bottles
TCL VOCs	TOC	COD	BOD, Cl, SO ₄ , NO ₃	AIK	Diss. Gases	T. Metals / Hardness																																		
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X	X	X	X	X	X	X																																		
X	X	X	X	X	X	X																																		
<table border="1"> <thead> <tr> <th>ALPHA Lab ID (Lab Use Only)</th> <th>Sample ID</th> <th colspan="2">Collection</th> <th>Sample Matrix</th> <th>Sampler's Initials</th> </tr> <tr> <th></th> <th></th> <th>Date</th> <th>Time</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>35317 -01</td> <td>MW0610-4-062921</td> <td>6/29/21</td> <td>0900</td> <td>GW</td> <td>SG</td> </tr> <tr> <td>-02</td> <td>MW0610-5-062921</td> <td>6/29/21</td> <td>0930</td> <td>GW</td> <td>SG</td> </tr> <tr> <td>-03</td> <td>MW0811-02-062921</td> <td>6/29/21</td> <td>0825</td> <td>GW</td> <td>SG</td> </tr> </tbody> </table>					ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials			Date	Time			35317 -01	MW0610-4-062921	6/29/21	0900	GW	SG	-02	MW0610-5-062921	6/29/21	0930	GW	SG	-03	MW0811-02-062921	6/29/21	0825	GW	SG	Sample Specific Comments					
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials																																			
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Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)																																
Relinquished By: <u>R. Cunningham</u> Date/Time: <u>6/29/21 10:47</u> SECURE STORAGE FAC <u>6/29/21 18:00</u> R. Cunningham AAL <u>6/29/21 18:00</u>		Received By: <u>SECURE STORAGE FAC</u> Date/Time: <u>6/29/21 10:47</u> <u>6/29/21 18:00</u> <u>6/30/21 01:00</u>																																						

L2135317

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Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page	
of	

Date Rec'd in Lab 6/30/21

ALPHA Job #
L2135317

Standard ☒	Due Date:
Rush (only if pre approved) ☐	# of Days:

☒ NY TOGS	☐ NY Part 375
☐ AWQ Standards	☐ NY CP-51
☐ NY Restricted Use	☐ Other
☐ NY Unrestricted Use	
☐ NYC Sewer Discharge	

☐ NJ ☐ NY
☐ Other: _____

Email: En.Mammaru@qnd.com

These samples have been previously analyzed by Alpha ☒

Other project specific requirements/comments:

Please specify Metals or TAL.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		
35317 -09	MW0512-01-062921	6/29/21	1140	GW	SG
-10	MW0512-02-062921	6/29/21	1115	GW	SG
-11	MW0911-01-062921	6/29/21	1140	GW	DT
-12	MW0911-02-062921	6/29/21	1115	GW	DT
-13	IW-1-062921	6/29/21	0845	GW	DT
-14	IW-2-062921	6/29/21	0910	GW	DT
-15	Trip blank - 062921	6/29/21		TB	DT

ANALYSIS

Sample Filtration

☐ Done
☐ Lab to do
Preservation
☐ Lab to do

(Please Specify below)

Sample Specific Comments

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

David Lujan	4/29/21	12:51
SECURE STORAGE AAL	6/26/21	18:00
RCunningham AAL	6/29/21	18:00

SECURE STORAGE AAL	6/29/21 12:51
RCunningham AAL	6/29/21 18:00
<i>[Signature]</i>	6/30/21 01:22

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page <u>1</u> of <u>1</u>		Date Rec'd in Lab <u>6/30/21</u>		ALPHA Job # <u>L2135317</u>																													
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TCL VOCs	TOC	COD	BOD, Cl, S, H ₂ O ₂	ALK	Diss Gases	T. Metals/Hardness																															
X	X	X	X	X	X	X																															
X	X	X	X	X	X	X																															
X	X	X	X	X	X	X																															
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35317 -16		MW0610-01-062921		6/29/21 1215		GW		SG																													
-17		MW0811-01-062921		6/29/21 1220		GW		DT																													
-18		MW-63-062921		6/29/21 1245		GW		SG																													
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Relinquished By: <u>Dan Upm</u>		Date/Time: <u>6/29/21 12:51</u>		Received By: <u>SECURE STORAGE AAL</u>		Date/Time: <u>6/29/21 12:51</u>		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)																													
Relinquished By: <u>SECURE STORAGE AAL</u>		Date/Time: <u>6/29/21 12:00</u>		Received By: <u>RCunningham AAL</u>		Date/Time: <u>6/29/21 12:00</u>																															
Relinquished By: <u>RCunningham AAL</u>		Date/Time: <u>6/29/21 12:00</u>		Received By: <u>[Signature]</u>		Date/Time: <u>6/30/21 11:20</u>																															

3rd Quarter 2021



ANALYTICAL REPORT

Lab Number:	L2152680
Client:	GHD, Inc. 5788 Widewaters Pkwy Syracuse, NY 13214
ATTN:	Ian McNamara
Phone:	(315) 802-0312
Project Name:	GARLOCK
Project Number:	8615140
Report Date:	10/05/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2152680-01	MW0512-01-092821	WATER	PALMYRA, NY	09/28/21 14:00	09/28/21
L2152680-02	MW0512-02-092821	WATER	PALMYRA, NY	09/28/21 13:35	09/28/21
L2152680-03	MW0911-01-092821	WATER	PALMYRA, NY	09/28/21 14:00	09/28/21
L2152680-04	MW0911-02-092821	WATER	PALMYRA, NY	09/28/21 13:40	09/28/21
L2152680-05	IW-1-092821	WATER	PALMYRA, NY	09/28/21 09:40	09/28/21
L2152680-06	IW-2-092821	WATER	PALMYRA, NY	09/28/21 10:20	09/28/21
L2152680-07	TRIPBLANK--092821	WATER	PALMYRA, NY	09/28/21 00:00	09/28/21
L2152680-08	OW-1-092821	WATER	PALMYRA, NY	09/28/21 12:45	09/28/21
L2152680-09	OW-2/MW-41-092821	WATER	PALMYRA, NY	09/28/21 13:05	09/28/21
L2152680-10	OW-3/AOC-2-092821	WATER	PALMYRA, NY	09/28/21 13:10	09/28/21
L2152680-11	OW-4/MW-28-092821	WATER	PALMYRA, NY	09/28/21 12:50	09/28/21
L2152680-12	OW-5-092821	WATER	PALMYRA, NY	09/28/21 12:00	09/28/21
L2152680-13	MW0610-4-092821	WATER	PALMYRA, NY	09/28/21 09:45	09/28/21
L2152680-14	MW0811-2-092821	WATER	PALMYRA, NY	09/28/21 09:10	09/28/21
L2152680-15	MW0610-5-092821	WATER	PALMYRA, NY	09/28/21 10:15	09/28/21
L2152680-16	OW-3-092821	WATER	PALMYRA, NY	09/28/21 11:00	09/28/21
L2152680-17	OW-4-092821	WATER	PALMYRA, NY	09/28/21 10:45	09/28/21
L2152680-18	OW-6/MW-3-092821	WATER	PALMYRA, NY	09/28/21 11:15	09/28/21
L2152680-19	OW-7/MW-27-092821	WATER	PALMYRA, NY	09/28/21 11:20	09/28/21
L2152680-20	PTOW1-1-092821	WATER	PALMYRA, NY	09/28/21 10:15	09/28/21
L2152680-21	MW0610-1-092821	WATER	PALMYRA, NY	09/28/21 14:30	09/28/21
L2152680-22	MW0811-1-092821	WATER	PALMYRA, NY	09/28/21 14:45	09/28/21
L2152680-23	MW-63-092821	WATER	PALMYRA, NY	09/28/21 15:00	09/28/21

Project Name: GARLOCK
Project Number: 8615140

Lab Number: L2152680
Report Date: 10/05/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: GARLOCK
Project Number: 8615140

Lab Number: L2152680
Report Date: 10/05/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2152680-21 and -22D: Differences were noted between the results of the analyses which have been attributed to vial discrepancies. Further re-analysis could not be performed due to the existing vials being compromised.

L2152680-22D: The pH of the sample was greater than two; however, the sample was analyzed within the method required holding time.

Dissolved Gases

L2152680-13 and -22: The sample was collected in pre-preserved vials; however, the pH of the sample was determined to be greater than two.

Chemical Oxygen Demand

The WG1553034-3 MS recovery, performed on L2152680-11, is outside the acceptance criteria for chemical oxygen demand (78%); however, the associated LCS recovery is within criteria. No further action was taken.

Anions by Ion Chromatography

L2152680-14: The sample has an elevated detection limit for Sulfate due to the dilution required by the sample matrix.

Total Organic Carbon

L2152680-21 and -23: The sample has an elevated detection limit due to the dilution required by the sample matrix.

Project Name: GARLOCK
Project Number: 8615140

Lab Number: L2152680
Report Date: 10/05/21

Case Narrative (continued)

BOD, 5 day

L2152680-21 and -23 was set at the correct dilution for BOD analysis according to prep screening; however, not enough depletion occurred. Therefore, the sample result is reported as "non-detect" at an elevated detection limit. Due to the expiration of the method required holding time, re-analysis could not be performed.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Caitlin Walukevich

Title: Technical Director/Representative

Date: 10/05/21

ORGANICS

VOLATILES

Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-01 D

Date Collected: 09/28/21 14:00

Client ID: MW0512-01-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/04/21 00:37

Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	1200	350	500
1,1-Dichloroethane	1300		ug/l	1200	350	500
Chloroform	ND		ug/l	1200	350	500
Carbon tetrachloride	ND		ug/l	250	67.	500
1,2-Dichloropropane	ND		ug/l	500	68.	500
Dibromochloromethane	ND		ug/l	250	74.	500
1,1,2-Trichloroethane	ND		ug/l	750	250	500
Tetrachloroethene	ND		ug/l	250	90.	500
Chlorobenzene	ND		ug/l	1200	350	500
Trichlorofluoromethane	520	J	ug/l	1200	350	500
1,2-Dichloroethane	ND		ug/l	250	66.	500
1,1,1-Trichloroethane	3200		ug/l	1200	350	500
Bromodichloromethane	ND		ug/l	250	96.	500
trans-1,3-Dichloropropene	ND		ug/l	250	82.	500
cis-1,3-Dichloropropene	ND		ug/l	250	72.	500
Bromoform	ND		ug/l	1000	320	500
1,1,2,2-Tetrachloroethane	ND		ug/l	250	84.	500
Benzene	ND		ug/l	250	80.	500
Toluene	9300		ug/l	1200	350	500
Ethylbenzene	400	J	ug/l	1200	350	500
Chloromethane	ND		ug/l	1200	350	500
Bromomethane	ND		ug/l	1200	350	500
Vinyl chloride	4500		ug/l	500	36.	500
Chloroethane	ND		ug/l	1200	350	500
1,1-Dichloroethene	190	J	ug/l	250	84.	500
trans-1,2-Dichloroethene	ND		ug/l	1200	350	500
Trichloroethene	ND		ug/l	250	88.	500
1,2-Dichlorobenzene	ND		ug/l	1200	350	500

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-01 D

Date Collected: 09/28/21 14:00

Client ID: MW0512-01-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	1200	350	500
1,4-Dichlorobenzene	ND		ug/l	1200	350	500
Methyl tert butyl ether	ND		ug/l	1200	350	500
p/m-Xylene	1400		ug/l	1200	350	500
o-Xylene	540	J	ug/l	1200	350	500
cis-1,2-Dichloroethene	83000		ug/l	1200	350	500
Styrene	ND		ug/l	1200	350	500
Dichlorodifluoromethane	ND		ug/l	2500	500	500
Acetone	ND		ug/l	2500	730	500
Carbon disulfide	ND		ug/l	2500	500	500
2-Butanone	ND		ug/l	2500	970	500
4-Methyl-2-pentanone	ND		ug/l	2500	500	500
2-Hexanone	ND		ug/l	2500	500	500
Bromochloromethane	ND		ug/l	1200	350	500
1,2-Dibromoethane	ND		ug/l	1000	320	500
1,2-Dibromo-3-chloropropane	ND		ug/l	1200	350	500
Isopropylbenzene	ND		ug/l	1200	350	500
1,2,3-Trichlorobenzene	ND		ug/l	1200	350	500
1,2,4-Trichlorobenzene	ND		ug/l	1200	350	500
Methyl Acetate	ND		ug/l	1000	120	500
Cyclohexane	ND		ug/l	5000	140	500
1,4-Dioxane	ND		ug/l	120000	30000	500
Freon-113	ND		ug/l	1200	350	500
Methyl cyclohexane	ND		ug/l	5000	200	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	98		70-130

Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-02 D

Date Collected: 09/28/21 13:35

Client ID: MW0512-02-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/04/21 01:00

Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	120	35.	50
1,1-Dichloroethane	420		ug/l	120	35.	50
Chloroform	ND		ug/l	120	35.	50
Carbon tetrachloride	ND		ug/l	25	6.7	50
1,2-Dichloropropane	ND		ug/l	50	6.8	50
Dibromochloromethane	ND		ug/l	25	7.4	50
1,1,2-Trichloroethane	ND		ug/l	75	25.	50
Tetrachloroethene	ND		ug/l	25	9.0	50
Chlorobenzene	ND		ug/l	120	35.	50
Trichlorofluoromethane	ND		ug/l	120	35.	50
1,2-Dichloroethane	ND		ug/l	25	6.6	50
1,1,1-Trichloroethane	ND		ug/l	120	35.	50
Bromodichloromethane	ND		ug/l	25	9.6	50
trans-1,3-Dichloropropene	ND		ug/l	25	8.2	50
cis-1,3-Dichloropropene	ND		ug/l	25	7.2	50
Bromoform	ND		ug/l	100	32.	50
1,1,2,2-Tetrachloroethane	ND		ug/l	25	8.4	50
Benzene	ND		ug/l	25	8.0	50
Toluene	420		ug/l	120	35.	50
Ethylbenzene	ND		ug/l	120	35.	50
Chloromethane	ND		ug/l	120	35.	50
Bromomethane	ND		ug/l	120	35.	50
Vinyl chloride	3800		ug/l	50	3.6	50
Chloroethane	39	J	ug/l	120	35.	50
1,1-Dichloroethene	11	J	ug/l	25	8.4	50
trans-1,2-Dichloroethene	ND		ug/l	120	35.	50
Trichloroethene	36		ug/l	25	8.8	50
1,2-Dichlorobenzene	ND		ug/l	120	35.	50

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-02 D

Date Collected: 09/28/21 13:35

Client ID: MW0512-02-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	120	35.	50
1,4-Dichlorobenzene	ND		ug/l	120	35.	50
Methyl tert butyl ether	ND		ug/l	120	35.	50
p/m-Xylene	ND		ug/l	120	35.	50
o-Xylene	ND		ug/l	120	35.	50
cis-1,2-Dichloroethene	7700		ug/l	120	35.	50
Styrene	ND		ug/l	120	35.	50
Dichlorodifluoromethane	ND		ug/l	250	50.	50
Acetone	ND		ug/l	250	73.	50
Carbon disulfide	ND		ug/l	250	50.	50
2-Butanone	ND		ug/l	250	97.	50
4-Methyl-2-pentanone	ND		ug/l	250	50.	50
2-Hexanone	ND		ug/l	250	50.	50
Bromochloromethane	ND		ug/l	120	35.	50
1,2-Dibromoethane	ND		ug/l	100	32.	50
1,2-Dibromo-3-chloropropane	ND		ug/l	120	35.	50
Isopropylbenzene	ND		ug/l	120	35.	50
1,2,3-Trichlorobenzene	ND		ug/l	120	35.	50
1,2,4-Trichlorobenzene	ND		ug/l	120	35.	50
Methyl Acetate	ND		ug/l	100	12.	50
Cyclohexane	ND		ug/l	500	14.	50
1,4-Dioxane	ND		ug/l	12000	3000	50
Freon-113	ND		ug/l	120	35.	50
Methyl cyclohexane	ND		ug/l	500	20.	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	101		70-130

Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-03 D

Date Collected: 09/28/21 14:00

Client ID: MW0911-01-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/04/21 01:23

Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	51		ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	ND		ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	ND		ug/l	10	2.6	20
1,1,1-Trichloroethane	ND		ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	3.3	20
Benzene	ND		ug/l	10	3.2	20
Toluene	ND		ug/l	50	14.	20
Ethylbenzene	ND		ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	950		ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	15		ug/l	10	3.4	20
trans-1,2-Dichloroethene	14	J	ug/l	50	14.	20
Trichloroethene	40		ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-03 D

Date Collected: 09/28/21 14:00

Client ID: MW0911-01-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	ND		ug/l	50	14.	20
p/m-Xylene	ND		ug/l	50	14.	20
o-Xylene	ND		ug/l	50	14.	20
cis-1,2-Dichloroethene	2900		ug/l	50	14.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	ND		ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	ND		ug/l	100	39.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
Bromochloromethane	ND		ug/l	50	14.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Isopropylbenzene	ND		ug/l	50	14.	20
1,2,3-Trichlorobenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
Methyl Acetate	ND		ug/l	40	4.7	20
Cyclohexane	ND		ug/l	200	5.4	20
1,4-Dioxane	ND		ug/l	5000	1200	20
Freon-113	ND		ug/l	50	14.	20
Methyl cyclohexane	ND		ug/l	200	7.9	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	102		70-130

Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-04 D

Date Collected: 09/28/21 13:40

Client ID: MW0911-02-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/04/21 01:46

Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	100	28.	40
1,1-Dichloroethane	170		ug/l	100	28.	40
Chloroform	ND		ug/l	100	28.	40
Carbon tetrachloride	ND		ug/l	20	5.4	40
1,2-Dichloropropane	ND		ug/l	40	5.5	40
Dibromochloromethane	ND		ug/l	20	6.0	40
1,1,2-Trichloroethane	ND		ug/l	60	20.	40
Tetrachloroethene	ND		ug/l	20	7.2	40
Chlorobenzene	ND		ug/l	100	28.	40
Trichlorofluoromethane	ND		ug/l	100	28.	40
1,2-Dichloroethane	ND		ug/l	20	5.3	40
1,1,1-Trichloroethane	ND		ug/l	100	28.	40
Bromodichloromethane	ND		ug/l	20	7.7	40
trans-1,3-Dichloropropene	ND		ug/l	20	6.6	40
cis-1,3-Dichloropropene	ND		ug/l	20	5.8	40
Bromoform	ND		ug/l	80	26.	40
1,1,2,2-Tetrachloroethane	ND		ug/l	20	6.7	40
Benzene	9.7	J	ug/l	20	6.4	40
Toluene	6500		ug/l	100	28.	40
Ethylbenzene	ND		ug/l	100	28.	40
Chloromethane	ND		ug/l	100	28.	40
Bromomethane	ND		ug/l	100	28.	40
Vinyl chloride	1600		ug/l	40	2.8	40
Chloroethane	ND		ug/l	100	28.	40
1,1-Dichloroethene	ND		ug/l	20	6.8	40
trans-1,2-Dichloroethene	44	J	ug/l	100	28.	40
Trichloroethene	ND		ug/l	20	7.0	40
1,2-Dichlorobenzene	ND		ug/l	100	28.	40

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-04 D

Date Collected: 09/28/21 13:40

Client ID: MW0911-02-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	100	28.	40
1,4-Dichlorobenzene	ND		ug/l	100	28.	40
Methyl tert butyl ether	ND		ug/l	100	28.	40
p/m-Xylene	43	J	ug/l	100	28.	40
o-Xylene	ND		ug/l	100	28.	40
cis-1,2-Dichloroethene	710		ug/l	100	28.	40
Styrene	ND		ug/l	100	28.	40
Dichlorodifluoromethane	ND		ug/l	200	40.	40
Acetone	ND		ug/l	200	58.	40
Carbon disulfide	ND		ug/l	200	40.	40
2-Butanone	ND		ug/l	200	78.	40
4-Methyl-2-pentanone	ND		ug/l	200	40.	40
2-Hexanone	ND		ug/l	200	40.	40
Bromochloromethane	ND		ug/l	100	28.	40
1,2-Dibromoethane	ND		ug/l	80	26.	40
1,2-Dibromo-3-chloropropane	ND		ug/l	100	28.	40
Isopropylbenzene	ND		ug/l	100	28.	40
1,2,3-Trichlorobenzene	ND		ug/l	100	28.	40
1,2,4-Trichlorobenzene	ND		ug/l	100	28.	40
Methyl Acetate	ND		ug/l	80	9.4	40
Cyclohexane	ND		ug/l	400	11.	40
1,4-Dioxane	ND		ug/l	10000	2400	40
Freon-113	ND		ug/l	100	28.	40
Methyl cyclohexane	ND		ug/l	400	16.	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	93		70-130

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-05
 Client ID: IW-1-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 09:40
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/05/21 02:35
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	17		ug/l	0.50	0.16	1
Toluene	6.2		ug/l	2.5	0.70	1
Ethylbenzene	0.98	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	2.3		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-05
 Client ID: IW-1-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 09:40
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	0.82	J	ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	48		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	130		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	82		70-130

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-06
 Client ID: IW-2-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 10:20
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/03/21 22:17
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	1.9		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	25		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-06
 Client ID: IW-2-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 10:20
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	3.0		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.1	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	0.35	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	1.6	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	97		70-130

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-07
 Client ID: TRIPBLANK--092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 00:00
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/03/21 22:41
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-07

Date Collected: 09/28/21 00:00

Client ID: TRIPBLANK--092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.0	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	102		70-130

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-08
 Client ID: OW-1-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 12:45
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/03/21 23:04
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	6.9		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.36	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-08
 Client ID: OW-1-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 12:45
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	2.1	J	ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.4	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	104		70-130

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-09 D

Date Collected: 09/28/21 13:05

Client ID: OW-2/MW-41-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/04/21 02:32

Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	190		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	1500		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	9.3		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	21	J	ug/l	25	7.0	10
Trichloroethene	3.2	J	ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-09 D

Date Collected: 09/28/21 13:05

Client ID: OW-2/MW-41-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	1600		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	ND		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	103		70-130

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-10 D

Date Collected: 09/28/21 13:10

Client ID: OW-3/AOC-2-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/04/21 02:56

Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	550		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	7300	E	ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	4.1	J	ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	31		ug/l	25	7.0	10
Trichloroethene	2.5	J	ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-10 D

Date Collected: 09/28/21 13:10

Client ID: OW-3/AOC-2-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	1500		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	ND		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	102		70-130

Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-10 D

Date Collected: 09/28/21 13:10

Client ID: OW-3/AOC-2-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/05/21 08:50

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Vinyl chloride	4100		ug/l	100	7.1	100
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	105		70-130

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-11
 Client ID: OW-4/MW-28-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 12:50
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/03/21 23:27
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	66		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	390	E	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.70		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-11
 Client ID: OW-4/MW-28-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 12:50
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	34		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	102		70-130

Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-11 D

Date Collected: 09/28/21 12:50

Client ID: OW-4/MW-28-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/05/21 09:12

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Vinyl chloride	260		ug/l	10	0.71	10
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	106		70-130

Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-12
 Client ID: OW-5-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 12:00
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/03/21 23:50
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	34		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	180		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-12
 Client ID: OW-5-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 12:00
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	7.8		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	103		70-130

Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-13
 Client ID: MW0610-4-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 09:45
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/05/21 10:48
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.94		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.14	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-13
 Client ID: MW0610-4-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 09:45
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	23		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: GARLOCK**Project Number:** 8615140**Lab Number:** L2152680**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-13
Client ID: MW0610-4-092821
Sample Location: PALMYRA, NY

Date Collected: 09/28/21 09:45
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 117,-

Analytical Date: 09/30/21 15:06

Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	3800		ug/l	2.00	2.00	1	A
Ethene	ND		ug/l	0.500	0.500	1	A
Ethane	0.724		ug/l	0.500	0.500	1	A

Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-14
 Client ID: MW0811-2-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 09:10
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/04/21 00:13
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.14	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-14
 Client ID: MW0811-2-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 09:10
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	9.3	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	92		70-130

Project Name: GARLOCK**Project Number:** 8615140**Lab Number:** L2152680**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-14
Client ID: MW0811-2-092821
Sample Location: PALMYRA, NY

Date Collected: 09/28/21 09:10
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 117,-

Analytical Date: 09/30/21 15:22

Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	977		ug/l	2.00	2.00	1	A
Ethene	ND		ug/l	0.500	0.500	1	A
Ethane	0.880		ug/l	0.500	0.500	1	A

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-15
 Client ID: MW0610-5-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 10:15
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/05/21 12:35
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	17		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	8.2		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	1.3		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-15
 Client ID: MW0610-5-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 10:15
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	0.78	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	11		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	8.5	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	32		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-15
 Client ID: MW0610-5-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 10:15
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 117,-

Analytical Date: 09/30/21 15:40

Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	2620		ug/l	2.00	2.00	1	A
Ethene	0.807		ug/l	0.500	0.500	1	A
Ethane	2.80		ug/l	0.500	0.500	1	A

Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-16
 Client ID: OW-3-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 11:00
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/04/21 23:31
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	7.9		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-16
 Client ID: OW-3-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 11:00
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	1.2	J	ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	97		70-130

Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-17
 Client ID: OW-4-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 10:45
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/04/21 23:54
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.0		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-17
 Client ID: OW-4-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 10:45
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.7	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	0.47	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	98		70-130

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-18
 Client ID: OW-6/MW-3-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 11:15
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/05/21 00:17
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	18		ug/l	0.50	0.16	1
Toluene	1.0	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	74		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	0.84	J	ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-18
 Client ID: OW-6/MW-3-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 11:15
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	2.4	J	ug/l	2.5	0.70	1
o-Xylene	2.7		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	53		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	2.0	J	ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	14		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	15		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	84		70-130

Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-19
 Client ID: OW-7/MW-27-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 11:20
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/05/21 00:40
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	59		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.0		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	1.9		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-19
 Client ID: OW-7/MW-27-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 11:20
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	1.8	J	ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	1.3	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	4.5	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	86		70-130

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-20
 Client ID: PTOW1-1-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 10:15
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/05/21 01:02
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	5.6		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.20	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-20
 Client ID: PTOW1-1-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 10:15
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.8	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	4.2	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	7.8	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	91		70-130

Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-21
 Client ID: MW0610-1-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 14:30
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/05/21 01:26
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	230	E	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.38	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.3	J	ug/l	2.5	0.70	1
Trichloroethene	2.5		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-21
 Client ID: MW0610-1-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 14:30
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	120		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	96		70-130

Project Name: GARLOCK**Project Number:** 8615140**Lab Number:** L2152680**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-21
Client ID: MW0610-1-092821
Sample Location: PALMYRA, NY

Date Collected: 09/28/21 14:30
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 117,-

Analytical Date: 09/30/21 15:58

Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	2470		ug/l	2.00	2.00	1	A
Ethene	11.0		ug/l	0.500	0.500	1	A
Ethane	11.6		ug/l	0.500	0.500	1	A

Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-21 D

Date Collected: 09/28/21 14:30

Client ID: MW0610-1-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/05/21 13:01

Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Vinyl chloride	140		ug/l	2.5	0.18	2.5
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	106		70-130

Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-22
 Client ID: MW0811-1-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 14:45
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 117,-

Analytical Date: 09/30/21 16:16

Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	10900		ug/l	2.00	2.00	1	A
Ethene	39.8		ug/l	0.500	0.500	1	A
Ethane	46.4		ug/l	0.500	0.500	1	A

Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-22 D

Date Collected: 09/28/21 14:45

Client ID: MW0811-1-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/05/21 01:49

Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	1100	E	ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	ND		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-22 D

Date Collected: 09/28/21 14:45

Client ID: MW0811-1-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	210		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	96		70-130

Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-22 D

Date Collected: 09/28/21 14:45

Client ID: MW0811-1-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/05/21 13:28

Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Vinyl chloride	600		ug/l	20	1.4	20
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	108		70-130

Project Name: GARLOCK**Project Number:** 8615140**Lab Number:** L2152680**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-23
Client ID: MW-63-092821
Sample Location: PALMYRA, NY

Date Collected: 09/28/21 15:00
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 117,-

Analytical Date: 09/30/21 16:34

Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	433		ug/l	2.00	2.00	1	A
Ethene	16.8		ug/l	0.500	0.500	1	A
Ethane	6.18		ug/l	0.500	0.500	1	A

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-23 D

Date Collected: 09/28/21 15:00

Client ID: MW-63-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/05/21 02:12

Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	1.5	J	ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	380		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	0.78	J	ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	1.6	J	ug/l	5.0	1.4	2
Trichloroethene	0.40	J	ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-23 D

Date Collected: 09/28/21 15:00

Client ID: MW-63-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	270		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	98		70-130

Project Name: GARLOCK**Project Number:** 8615140**Lab Number:** L2152680**Report Date:** 10/05/21**Method Blank Analysis**
Batch Quality Control

Analytical Method: 117,-

Analytical Date: 09/30/21 10:45

Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL
Dissolved Gases by GC - Mansfield Lab for sample(s): 13-15,21-23 Batch: WG1552805-3					
Methane	ND		ug/l	2.00	2.00 A
Ethene	ND		ug/l	0.500	0.500 A
Ethane	ND		ug/l	0.500	0.500 A

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/03/21 19:35
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-12,14 Batch: WG1554495-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/03/21 19:35
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-12,14 Batch: WG1554495-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/03/21 19:35
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-12,14 Batch: WG1554495-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	102		70-130

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/04/21 19:17
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,16-23 Batch: WG1554601-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 10/04/21 19:17

Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,16-23 Batch: WG1554601-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: GARLOCK**Project Number:** 8615140**Lab Number:** L2152680**Report Date:** 10/05/21**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 10/04/21 19:17

Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,16-23 Batch: WG1554601-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	102		70-130

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/05/21 08:36
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13,15,21-22 Batch: WG1554634-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/05/21 08:36
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13,15,21-22 Batch: WG1554634-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: GARLOCK**Project Number:** 8615140**Lab Number:** L2152680**Report Date:** 10/05/21**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/05/21 08:36
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13,15,21-22 Batch: WG1554634-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	102		70-130

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/05/21 08:04
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-11 Batch: WG1554642-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/05/21 08:04
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-11 Batch: WG1554642-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: GARLOCK**Project Number:** 8615140**Lab Number:** L2152680**Report Date:** 10/05/21**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/05/21 08:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-11 Batch: WG1554642-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Dissolved Gases by GC - Mansfield Lab Associated sample(s): 13-15,21-23 Batch: WG1552805-2									
Methane	109		-		80-120	-		25	A
Ethene	104		-		80-120	-		25	A
Ethane	102		-		80-120	-		25	A

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-12,14 Batch: WG1554495-3 WG1554495-4								
Methylene chloride	98		95		70-130	3		20
1,1-Dichloroethane	120		120		70-130	0		20
Chloroform	98		95		70-130	3		20
Carbon tetrachloride	100		96		63-132	4		20
1,2-Dichloropropane	110		120		70-130	9		20
Dibromochloromethane	92		96		63-130	4		20
1,1,2-Trichloroethane	100		110		70-130	10		20
Tetrachloroethene	96		96		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	96		96		67-130	0		20
trans-1,3-Dichloropropene	99		100		70-130	1		20
cis-1,3-Dichloropropene	93		92		70-130	1		20
Bromoform	83		89		54-136	7		20
1,1,2,2-Tetrachloroethane	110		120		67-130	9		20
Benzene	100		100		70-130	0		20
Toluene	110		110		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	120		120		64-130	0		20
Bromomethane	78		73		39-139	7		20
Vinyl chloride	130		130		55-140	0		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-12,14 Batch: WG1554495-3 WG1554495-4								
Chloroethane	120		110		55-138	9		20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	100		98		70-130	2		20
Trichloroethene	92		90		70-130	2		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	86		93		63-130	8		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	97		96		70-130	1		20
Styrene	110		110		70-130	0		20
Dichlorodifluoromethane	150	Q	140		36-147	7		20
Acetone	110		120		58-148	9		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	120		110		63-138	9		20
4-Methyl-2-pentanone	110		130		59-130	17		20
2-Hexanone	100		120		57-130	18		20
Bromochloromethane	98		97		70-130	1		20
1,2-Dibromoethane	95		100		70-130	5		20
1,2-Dibromo-3-chloropropane	86		97		41-144	12		20
Isopropylbenzene	120		110		70-130	9		20
1,2,3-Trichlorobenzene	89		96		70-130	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-12,14 Batch: WG1554495-3 WG1554495-4								
1,2,4-Trichlorobenzene	89		91		70-130	2		20
Methyl Acetate	110		120		70-130	9		20
Cyclohexane	150	Q	150	Q	70-130	0		20
1,4-Dioxane	58		72		56-162	22	Q	20
Freon-113	110		100		70-130	10		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		112		70-130
Toluene-d8	106		106		70-130
4-Bromofluorobenzene	110		105		70-130
Dibromofluoromethane	92		90		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,16-23 Batch: WG1554601-3 WG1554601-4								
Methylene chloride	90		89		70-130	1		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	88		87		70-130	1		20
Carbon tetrachloride	88		83		63-132	6		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	80		82		63-130	2		20
1,1,2-Trichloroethane	90		90		70-130	0		20
Tetrachloroethene	83		84		70-130	1		20
Chlorobenzene	92		92		75-130	0		20
Trichlorofluoromethane	100		99		62-150	1		20
1,2-Dichloroethane	94		93		70-130	1		20
1,1,1-Trichloroethane	94		89		67-130	5		20
Bromodichloromethane	85		84		67-130	1		20
trans-1,3-Dichloropropene	83		84		70-130	1		20
cis-1,3-Dichloropropene	82		83		70-130	1		20
Bromoform	76		76		54-136	0		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	95		92		70-130	3		20
Toluene	95		94		70-130	1		20
Ethylbenzene	94		92		70-130	2		20
Chloromethane	130		120		64-130	8		20
Bromomethane	75		72		39-139	4		20
Vinyl chloride	130		120		55-140	8		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,16-23 Batch: WG1554601-3 WG1554601-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	100		97		61-145	3		20
trans-1,2-Dichloroethene	94		90		70-130	4		20
Trichloroethene	82		79		70-130	4		20
1,2-Dichlorobenzene	95		95		70-130	0		20
1,3-Dichlorobenzene	97		95		70-130	2		20
1,4-Dichlorobenzene	97		94		70-130	3		20
Methyl tert butyl ether	75		77		63-130	3		20
p/m-Xylene	95		90		70-130	5		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	92		89		70-130	3		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	140		130		36-147	7		20
Acetone	96		100		58-148	4		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	91		96		63-138	5		20
4-Methyl-2-pentanone	98		100		59-130	2		20
2-Hexanone	90		94		57-130	4		20
Bromochloromethane	90		92		70-130	2		20
1,2-Dibromoethane	83		85		70-130	2		20
1,2-Dibromo-3-chloropropane	79		79		41-144	0		20
Isopropylbenzene	110		100		70-130	10		20
1,2,3-Trichlorobenzene	80		82		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,16-23 Batch: WG1554601-3 WG1554601-4								
1,2,4-Trichlorobenzene	81		82		70-130	1		20
Methyl Acetate	92		100		70-130	8		20
Cyclohexane	130		130		70-130	0		20
1,4-Dioxane	64		68		56-162	6		20
Freon-113	99		95		70-130	4		20
Methyl cyclohexane	94		91		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		105		70-130
Toluene-d8	100		102		70-130
4-Bromofluorobenzene	106		104		70-130
Dibromofluoromethane	92		94		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13,15,21-22 Batch: WG1554634-3 WG1554634-4								
Methylene chloride	94		91		70-130	3		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	100		99		70-130	1		20
Dibromochloromethane	98		97		63-130	1		20
1,1,2-Trichloroethane	92		92		70-130	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	110		100		70-130	10		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	98		96		70-130	2		20
cis-1,3-Dichloropropene	99		98		70-130	1		20
Bromoform	98		98		54-136	0		20
1,1,2,2-Tetrachloroethane	95		94		67-130	1		20
Benzene	100		98		70-130	2		20
Toluene	100		98		70-130	2		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	130		120		39-139	8		20
Vinyl chloride	110		110		55-140	0		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13,15,21-22 Batch: WG1554634-3 WG1554634-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	110		100		70-130	10		20
Trichloroethene	98		95		70-130	3		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	99		100		63-130	1		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		100		70-130	5		20
cis-1,2-Dichloroethene	100		99		70-130	1		20
Styrene	100		105		70-130	5		20
Dichlorodifluoromethane	120		120		36-147	0		20
Acetone	74		66		58-148	11		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	92		90		63-138	2		20
4-Methyl-2-pentanone	87		86		59-130	1		20
2-Hexanone	81		82		57-130	1		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	93		92		70-130	1		20
1,2-Dibromo-3-chloropropane	89		86		41-144	3		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	92		90		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13,15,21-22 Batch: WG1554634-3 WG1554634-4								
1,2,4-Trichlorobenzene	100		95		70-130	5		20
Methyl Acetate	77		77		70-130	0		20
Cyclohexane	120		110		70-130	9		20
1,4-Dioxane	86		88		56-162	2		20
Freon-113	120		120		70-130	0		20
Methyl cyclohexane	120		110		70-130	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		107		70-130
Toluene-d8	97		98		70-130
4-Bromofluorobenzene	100		96		70-130
Dibromofluoromethane	104		102		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11 Batch: WG1554642-3 WG1554642-4								
Methylene chloride	90		93		70-130	3		20
1,1-Dichloroethane	96		97		70-130	1		20
Chloroform	98		99		70-130	1		20
Carbon tetrachloride	100		110		63-132	10		20
1,2-Dichloropropane	87		91		70-130	4		20
Dibromochloromethane	94		93		63-130	1		20
1,1,2-Trichloroethane	88		88		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	96		96		75-130	0		20
Trichlorofluoromethane	100		110		62-150	10		20
1,2-Dichloroethane	92		93		70-130	1		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	92		94		67-130	2		20
trans-1,3-Dichloropropene	91		89		70-130	2		20
cis-1,3-Dichloropropene	88		89		70-130	1		20
Bromoform	94		96		54-136	2		20
1,1,2,2-Tetrachloroethane	86		89		67-130	3		20
Benzene	94		95		70-130	1		20
Toluene	94		94		70-130	0		20
Ethylbenzene	98		97		70-130	1		20
Chloromethane	89		88		64-130	1		20
Bromomethane	91		99		39-139	8		20
Vinyl chloride	96		97		55-140	1		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11 Batch: WG1554642-3 WG1554642-4								
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	99		97		61-145	2		20
trans-1,2-Dichloroethene	98		97		70-130	1		20
Trichloroethene	97		98		70-130	1		20
1,2-Dichlorobenzene	92		95		70-130	3		20
1,3-Dichlorobenzene	96		99		70-130	3		20
1,4-Dichlorobenzene	93		97		70-130	4		20
Methyl tert butyl ether	77		77		63-130	0		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	97		97		70-130	0		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	90		88		36-147	2		20
Acetone	130		120		58-148	8		20
Carbon disulfide	90		90		51-130	0		20
2-Butanone	94		89		63-138	5		20
4-Methyl-2-pentanone	78		78		59-130	0		20
2-Hexanone	86		84		57-130	2		20
Bromochloromethane	99		100		70-130	1		20
1,2-Dibromoethane	90		93		70-130	3		20
1,2-Dibromo-3-chloropropane	87		89		41-144	2		20
Isopropylbenzene	100		110		70-130	10		20
1,2,3-Trichlorobenzene	72		79		70-130	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11 Batch: WG1554642-3 WG1554642-4								
1,2,4-Trichlorobenzene	85		91		70-130	7		20
Methyl Acetate	80		82		70-130	2		20
Cyclohexane	99		99		70-130	0		20
1,4-Dioxane	108		102		56-162	6		20
Freon-113	99		99		70-130	0		20
Methyl cyclohexane	93		96		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		105		70-130
Toluene-d8	101		99		70-130
4-Bromofluorobenzene	103		105		70-130
Dibromofluoromethane	105		105		70-130

METALS

Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-13

Date Collected: 09/28/21 09:45

Client ID: MW0610-4-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total	1.88		mg/l	0.0500	0.0191	1	09/30/21 05:26	09/30/21 21:07	EPA 3005A	1,6020B	CD
Magnesium, Total	38.2		mg/l	0.0700	0.0242	1	09/30/21 05:26	09/30/21 21:07	EPA 3005A	1,6020B	CD
Manganese, Total	0.5822		mg/l	0.00100	0.00044	1	09/30/21 05:26	09/30/21 21:07	EPA 3005A	1,6020B	CD
Total Hardness (by calculation) - Mansfield Lab											
Hardness	597.1		mg/l	0.5400	NA	1	09/30/21 05:26	09/30/21 21:07	EPA 3005A	1,6020B	CD



Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-14

Date Collected: 09/28/21 09:10

Client ID: MW0811-2-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total	2.55		mg/l	0.0500	0.0191	1	09/30/21 05:26	09/30/21 21:11	EPA 3005A	1,6020B	CD
Magnesium, Total	30.4		mg/l	0.0700	0.0242	1	09/30/21 05:26	09/30/21 21:11	EPA 3005A	1,6020B	CD
Manganese, Total	0.6137		mg/l	0.00100	0.00044	1	09/30/21 05:26	09/30/21 21:11	EPA 3005A	1,6020B	CD
Total Hardness (by calculation) - Mansfield Lab											
Hardness	503.3		mg/l	0.5400	NA	1	09/30/21 05:26	09/30/21 21:11	EPA 3005A	1,6020B	CD



Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-15

Date Collected: 09/28/21 10:15

Client ID: MW0610-5-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total	1.63		mg/l	0.0500	0.0191	1	09/30/21 05:26	09/30/21 21:16	EPA 3005A	1,6020B	CD
Magnesium, Total	61.3		mg/l	0.0700	0.0242	1	09/30/21 05:26	09/30/21 21:16	EPA 3005A	1,6020B	CD
Manganese, Total	0.2703		mg/l	0.00100	0.00044	1	09/30/21 05:26	09/30/21 21:16	EPA 3005A	1,6020B	CD
Total Hardness (by calculation) - Mansfield Lab											
Hardness	1212.		mg/l	0.5400	NA	1	09/30/21 05:26	09/30/21 21:16	EPA 3005A	1,6020B	CD



Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-21

Date Collected: 09/28/21 14:30

Client ID: MW0610-1-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total	34.0		mg/l	0.0500	0.0191	1	09/30/21 05:26	09/30/21 22:05	EPA 3005A	1,6020B	CD
Magnesium, Total	190.		mg/l	0.0700	0.0242	1	09/30/21 05:26	09/30/21 22:05	EPA 3005A	1,6020B	CD
Manganese, Total	1.522		mg/l	0.00100	0.00044	1	09/30/21 05:26	09/30/21 22:05	EPA 3005A	1,6020B	CD
Total Hardness (by calculation) - Mansfield Lab											
Hardness	2029.		mg/l	0.5400	NA	1	09/30/21 05:26	09/30/21 22:05	EPA 3005A	1,6020B	CD



Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-22

Date Collected: 09/28/21 14:45

Client ID: MW0811-1-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total	11.9		mg/l	0.0500	0.0191	1	09/30/21 05:26	09/30/21 21:21	EPA 3005A	1,6020B	CD
Magnesium, Total	39.9		mg/l	0.0700	0.0242	1	09/30/21 05:26	09/30/21 21:21	EPA 3005A	1,6020B	CD
Manganese, Total	0.3621		mg/l	0.00100	0.00044	1	09/30/21 05:26	09/30/21 21:21	EPA 3005A	1,6020B	CD
Total Hardness (by calculation) - Mansfield Lab											
Hardness	438.8		mg/l	0.5400	NA	1	09/30/21 05:26	09/30/21 21:21	EPA 3005A	1,6020B	CD



Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**SAMPLE RESULTS**

Lab ID: L2152680-23

Date Collected: 09/28/21 15:00

Client ID: MW-63-092821

Date Received: 09/28/21

Sample Location: PALMYRA, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total	9.46		mg/l	0.0500	0.0191	1	09/30/21 05:26	09/30/21 22:10	EPA 3005A	1,6020B	CD
Magnesium, Total	139.		mg/l	1.40	0.484	20	09/30/21 05:26	10/01/21 18:19	EPA 3005A	1,6020B	CD
Manganese, Total	0.9272		mg/l	0.00100	0.00044	1	09/30/21 05:26	09/30/21 22:10	EPA 3005A	1,6020B	CD
Total Hardness (by calculation) - Mansfield Lab											
Hardness	2208.		mg/l	10.80	NA	20	09/30/21 05:26	10/01/21 18:19	EPA 3005A	1,6020B	CD



Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 13-15,21-23 Batch: WG1552343-1									
Iron, Total	ND	mg/l	0.0500	0.0191	1	09/30/21 05:26	09/30/21 19:39	1,6020B	CD
Magnesium, Total	ND	mg/l	0.0700	0.0242	1	09/30/21 05:26	09/30/21 19:39	1,6020B	CD
Manganese, Total	ND	mg/l	0.00100	0.00044	1	09/30/21 05:26	09/30/21 19:39	1,6020B	CD

Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Hardness (by calculation) - Mansfield Lab for sample(s): 13-15,21-23 Batch: WG1552343-1									
Hardness	ND	mg/l	0.5400	NA	1	09/30/21 05:26	09/30/21 19:39	1,6020B	CD

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 13-15,21-23 Batch: WG1552343-2								
Iron, Total	111		-		80-120	-		
Magnesium, Total	104		-		80-120	-		
Manganese, Total	101		-		80-120	-		
Total Hardness (by calculation) - Mansfield Lab Associated sample(s): 13-15,21-23 Batch: WG1552343-2								
Hardness	102		-		80-120	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140

Lab Number: L2152680
Report Date: 10/05/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 13-15,21-23 QC Batch ID: WG1552343-3 QC Sample: L2100009-378 Client ID: MS Sample												
Iron, Total	0.274	1	1.40	113		-	-		75-125	-		20
Magnesium, Total	58.0	10	69.8	118		-	-		75-125	-		20
Manganese, Total	0.7605	0.5	1.308	110		-	-		75-125	-		20
Total Hardness (by calculation) - Mansfield Lab Associated sample(s): 13-15,21-23 QC Batch ID: WG1552343-3 QC Sample: L2100009-378 Client ID: MS Sample												
Hardness	671.6	66.2	755.2	126	Q	-	-		75-125	-		20

INORGANICS & MISCELLANEOUS

Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-08

Client ID: OW-1-092821

Sample Location: PALMYRA, NY

Date Collected: 09/28/21 12:45

Date Received: 09/28/21

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	47.		mg/l	10	2.7	1	09/30/21 21:15	09/30/21 23:41	44,410.4	TL
Total Organic Carbon	1.16		mg/l	0.500	0.114	1	-	10/03/21 11:57	121,5310C	WF



Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-09

Client ID: OW-2/MW-41-092821

Sample Location: PALMYRA, NY

Date Collected: 09/28/21 13:05

Date Received: 09/28/21

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	40.		mg/l	10	2.7	1	09/30/21 21:15	09/30/21 23:42	44,410.4	TL
Total Organic Carbon	3.67		mg/l	1.00	0.228	2	-	10/03/21 10:31	121,5310C	WF



Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-10

Client ID: OW-3/AOC-2-092821

Sample Location: PALMYRA, NY

Date Collected: 09/28/21 13:10

Date Received: 09/28/21

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	42.		mg/l	10	2.7	1	09/30/21 21:15	09/30/21 23:42	44,410.4	TL
Total Organic Carbon	5.56		mg/l	1.00	0.228	2	-	10/03/21 10:53	121,5310C	WF



Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-11

Client ID: OW-4/MW-28-092821

Sample Location: PALMYRA, NY

Date Collected: 09/28/21 12:50

Date Received: 09/28/21

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	16.		mg/l	10	2.7	1	09/30/21 21:15	09/30/21 23:47	44,410.4	TL
Total Organic Carbon	0.851		mg/l	0.500	0.114	1	-	10/03/21 11:15	121,5310C	WF



Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-12

Client ID: OW-5-092821

Sample Location: PALMYRA, NY

Date Collected: 09/28/21 12:00

Date Received: 09/28/21

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	16.		mg/l	10	2.7	1	09/30/21 21:15	09/30/21 23:47	44,410.4	TL
Total Organic Carbon	0.808		mg/l	0.500	0.114	1	-	10/03/21 11:37	121,5310C	WF



Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-13

Client ID: MW0610-4-092821

Sample Location: PALMYRA, NY

Date Collected: 09/28/21 09:45

Date Received: 09/28/21

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	421.		mg CaCO3/L	2.00	NA	1	-	09/30/21 12:19	121,2320B	JB
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	09/30/21 04:20	44,353.2	MR
Chemical Oxygen Demand	49.		mg/l	10	2.7	1	09/30/21 21:15	09/30/21 23:47	44,410.4	TL
BOD, 5 day	9.6		mg/l	5.0	NA	2.5	09/29/21 23:25	10/04/21 17:30	121,5210B	JD
Total Organic Carbon	4.06		mg/l	2.00	0.456	4	-	10/03/21 10:13	121,5310C	WF
Anions by Ion Chromatography - Westborough Lab										
Chloride	1430		mg/l	50.0	8.39	100	-	10/04/21 17:50	44,300.0	SH
Sulfate	132.		mg/l	100	45.4	100	-	10/04/21 17:50	44,300.0	SH



Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-14

Client ID: MW0811-2-092821

Sample Location: PALMYRA, NY

Date Collected: 09/28/21 09:10

Date Received: 09/28/21

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	596.		mg CaCO3/L	2.00	NA	1	-	09/30/21 12:19	121,2320B	JB
Nitrogen, Nitrate	0.33		mg/l	0.10	0.023	1	-	09/30/21 04:24	44,353.2	MR
Chemical Oxygen Demand	31.		mg/l	10	2.7	1	09/30/21 21:15	09/30/21 23:47	44,410.4	TL
BOD, 5 day	ND		mg/l	2.0	NA	1	09/29/21 23:25	10/04/21 17:30	121,5210B	JD
Total Organic Carbon	3.70		mg/l	1.00	0.228	2	-	10/03/21 12:19	121,5310C	WF
Anions by Ion Chromatography - Westborough Lab										
Chloride	1030		mg/l	50.0	8.39	100	-	10/04/21 18:01	44,300.0	SH
Sulfate	ND		mg/l	100	45.4	100	-	10/04/21 18:01	44,300.0	SH



Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-15

Client ID: MW0610-5-092821

Sample Location: PALMYRA, NY

Date Collected: 09/28/21 10:15

Date Received: 09/28/21

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	529.		mg CaCO3/L	2.00	NA	1	-	09/30/21 12:19	121,2320B	JB
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	09/30/21 04:25	44,353.2	MR
Chemical Oxygen Demand	95.		mg/l	10	2.7	1	09/30/21 21:15	09/30/21 23:47	44,410.4	TL
BOD, 5 day	19.		mg/l	12	NA	6	09/29/21 23:25	10/04/21 17:30	121,5210B	JD
Total Organic Carbon	5.24		mg/l	1.00	0.228	2	-	10/03/21 12:42	121,5310C	WF
Anions by Ion Chromatography - Westborough Lab										
Chloride	893.		mg/l	50.0	8.39	100	-	10/04/21 18:12	44,300.0	SH
Sulfate	366.		mg/l	100	45.4	100	-	10/04/21 18:12	44,300.0	SH



Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-16

Client ID: OW-3-092821

Sample Location: PALMYRA, NY

Date Collected: 09/28/21 11:00

Date Received: 09/28/21

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	11.		mg/l	10	2.7	1	09/30/21 21:15	09/30/21 23:47	44,410.4	TL
Total Organic Carbon	0.835		mg/l	0.500	0.114	1	-	10/04/21 08:53	121,5310C	DW



Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-17
 Client ID: OW-4-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 10:45
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	47.		mg/l	10	2.7	1	09/30/21 21:15	09/30/21 23:47	44,410.4	TL
Total Organic Carbon	2.04		mg/l	1.00	0.228	2	-	10/04/21 09:15	121,5310C	DW



Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-18

Client ID: OW-6/MW-3-092821

Sample Location: PALMYRA, NY

Date Collected: 09/28/21 11:15

Date Received: 09/28/21

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	140		mg/l	40	11.	4	09/30/21 21:15	09/30/21 23:48	44,410.4	TL
Total Organic Carbon	6.81		mg/l	5.00	1.14	10	-	10/04/21 05:12	121,5310C	DW



Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-19

Client ID: OW-7/MW-27-092821

Sample Location: PALMYRA, NY

Date Collected: 09/28/21 11:20

Date Received: 09/28/21

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	120		mg/l	40	11.	4	09/30/21 21:15	09/30/21 23:48	44,410.4	TL
Total Organic Carbon	2.51		mg/l	2.50	0.570	5	-	10/04/21 05:12	121,5310C	DW



Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-20

Client ID: PTOW1-1-092821

Sample Location: PALMYRA, NY

Date Collected: 09/28/21 10:15

Date Received: 09/28/21

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	270		mg/l	40	11.	4	09/30/21 21:15	09/30/21 23:48	44,410.4	TL
Total Organic Carbon	9.97		mg/l	5.00	1.14	10	-	10/04/21 09:35	121,5310C	DW



Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-21

Client ID: MW0610-1-092821

Sample Location: PALMYRA, NY

Date Collected: 09/28/21 14:30

Date Received: 09/28/21

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	238.		mg CaCO3/L	2.00	NA	1	-	09/30/21 12:19	121,2320B	JB
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	09/30/21 04:27	44,353.2	MR
Chemical Oxygen Demand	170		mg/l	40	11.	4	09/30/21 21:15	09/30/21 23:48	44,410.4	TL
BOD, 5 day	ND		mg/l	10	NA	5	09/29/21 23:25	10/04/21 17:30	121,5210B	JD
Total Organic Carbon	1.33	J	mg/l	2.00	0.456	4	-	10/04/21 09:56	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	2860		mg/l	50.0	8.39	100	-	10/04/21 18:23	44,300.0	SH
Sulfate	151.		mg/l	100	45.4	100	-	10/04/21 18:23	44,300.0	SH



Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-22

Client ID: MW0811-1-092821

Sample Location: PALMYRA, NY

Date Collected: 09/28/21 14:45

Date Received: 09/28/21

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	335.		mg CaCO3/L	2.00	NA	1	-	09/30/21 12:19	121,2320B	JB
Nitrogen, Nitrate	0.26		mg/l	0.10	0.023	1	-	09/30/21 04:28	44,353.2	MR
Chemical Oxygen Demand	280		mg/l	40	11.	4	09/30/21 21:15	09/30/21 23:48	44,410.4	TL
BOD, 5 day	10.		mg/l	5.0	NA	2.5	09/29/21 23:25	10/04/21 17:30	121,5210B	JD
Total Organic Carbon	6.20		mg/l	2.00	0.456	4	-	10/04/21 10:18	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	1300		mg/l	50.0	8.39	100	-	10/04/21 18:34	44,300.0	SH
Sulfate	738.		mg/l	100	45.4	100	-	10/04/21 18:34	44,300.0	SH



Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152680-23
 Client ID: MW-63-092821
 Sample Location: PALMYRA, NY

Date Collected: 09/28/21 15:00
 Date Received: 09/28/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	319.		mg CaCO3/L	2.00	NA	1	-	09/30/21 12:19	121,2320B	JB
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	09/30/21 04:29	44,353.2	MR
Chemical Oxygen Demand	60.		mg/l	10	2.7	1	09/30/21 21:15	09/30/21 23:49	44,410.4	TL
BOD, 5 day	ND		mg/l	5.0	NA	2.5	09/29/21 23:25	10/04/21 17:30	121,5210B	JD
Total Organic Carbon	0.607	J	mg/l	1.00	0.228	2	-	10/04/21 10:38	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	3260		mg/l	50.0	8.39	100	-	10/04/21 18:45	44,300.0	SH
Sulfate	763.		mg/l	100	45.4	100	-	10/04/21 18:45	44,300.0	SH



Project Name: GARLOCK

Lab Number: L2152680

Project Number: 8615140

Report Date: 10/05/21

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 13-15,21-23 Batch: WG1552546-1										
BOD, 5 day	ND		mg/l	2.0	NA	1	09/29/21 23:25	10/04/21 17:30	121,5210B	JD
General Chemistry - Westborough Lab for sample(s): 13-15,21-23 Batch: WG1552593-1										
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	09/30/21 04:49	44,353.2	MR
General Chemistry - Westborough Lab for sample(s): 13-15,21-23 Batch: WG1552796-1										
Alkalinity, Total	ND		mg CaCO3/L	2.00	NA	1	-	09/30/21 12:19	121,2320B	JB
General Chemistry - Westborough Lab for sample(s): 08-10 Batch: WG1553032-1										
Chemical Oxygen Demand	ND		mg/l	10	2.7	1	09/30/21 21:15	09/30/21 23:40	44,410.4	TL
General Chemistry - Westborough Lab for sample(s): 11-23 Batch: WG1553034-1										
Chemical Oxygen Demand	ND		mg/l	10	2.7	1	09/30/21 21:15	09/30/21 23:46	44,410.4	TL
General Chemistry - Westborough Lab for sample(s): 08-15 Batch: WG1553799-1										
Total Organic Carbon	ND		mg/l	0.500	0.114	1	-	10/03/21 09:24	121,5310C	WF
General Chemistry - Westborough Lab for sample(s): 18-19 Batch: WG1553954-1										
Total Organic Carbon	ND		mg/l	0.500	0.114	1	-	10/04/21 05:12	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab for sample(s): 13-15,21-23 Batch: WG1554345-1										
Chloride	ND		mg/l	0.500	0.083	1	-	10/04/21 17:27	44,300.0	SH
Sulfate	ND		mg/l	1.00	0.454	1	-	10/04/21 17:27	44,300.0	SH
General Chemistry - Westborough Lab for sample(s): 16-17,20-23 Batch: WG1554444-1										
Total Organic Carbon	ND		mg/l	0.500	0.114	1	-	10/04/21 05:39	121,5310C	DW

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 13-15,21-23 Batch: WG1552546-2								
BOD, 5 day	94		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 13-15,21-23 Batch: WG1552593-2								
Nitrogen, Nitrate	96		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 13-15,21-23 Batch: WG1552796-2								
Alkalinity, Total	104		-		90-110	-		10
General Chemistry - Westborough Lab Associated sample(s): 08-10 Batch: WG1553032-2								
Chemical Oxygen Demand	98		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 11-23 Batch: WG1553034-2								
Chemical Oxygen Demand	102		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 08-15 Batch: WG1553799-2								
Total Organic Carbon	102		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 18-19 Batch: WG1553954-2								
Total Organic Carbon	99		-		90-110	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 13-15,21-23 Batch: WG1554345-2					
Chloride	99	-	90-110	-	
Sulfate	98	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 16-17,20-23 Batch: WG1554444-2					
Total Organic Carbon	103	-	90-110	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 13-15,21-23 QC Batch ID: WG1552546-4 QC Sample: L2152756-05 Client ID: MS Sample												
BOD, 5 day	ND	100	86	86		-	-		50-145	-		35
General Chemistry - Westborough Lab Associated sample(s): 13-15,21-23 QC Batch ID: WG1552593-4 QC Sample: L2152680-13 Client ID: MW0610-4-092821												
Nitrogen, Nitrate	ND	4	3.8	95		-	-		83-113	-		6
General Chemistry - Westborough Lab Associated sample(s): 13-15,21-23 QC Batch ID: WG1552796-4 QC Sample: L2151234-01 Client ID: MS Sample												
Alkalinity, Total	174.	100	273	99		-	-		86-116	-		10
General Chemistry - Westborough Lab Associated sample(s): 08-10 QC Batch ID: WG1553032-3 QC Sample: L2151015-06 Client ID: MS Sample												
Chemical Oxygen Demand	31.	47.6	76	94		-	-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 11-23 QC Batch ID: WG1553034-3 QC Sample: L2152680-11 Client ID: OW-4/MW-28-092821												
Chemical Oxygen Demand	16.	47.6	53	78	Q	-	-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 08-15 QC Batch ID: WG1553799-4 QC Sample: L2152680-15 Client ID: MW0610-5-092821												
Total Organic Carbon	5.24	16	23.5	114		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 18-19 QC Batch ID: WG1553954-4 QC Sample: L2151452-04 Client ID: MS Sample												
Total Organic Carbon	0.590	4	4.03	86		-	-		80-120	-		20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 13-15,21-23 QC Batch ID: WG1554345-3 QC Sample: L2151359-01 Client ID: MS Sample												
Chloride	0.992	4	4.97	99		-	-		90-110	-		18
Sulfate	0.855J	8	9.06	102		-	-		90-110	-		20

Matrix Spike Analysis
Batch Quality Control**Project Name:** GARLOCK**Project Number:** 8615140**Lab Number:** L2152680**Report Date:** 10/05/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 16-17,20-23 QC Batch ID: WG1554444-4 QC Sample: L2152680-22 Client ID: MW0811-1-092821									
Total Organic Carbon	6.20	40	47.4	103	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 13-15,21-23 QC Batch ID: WG1552546-3 QC Sample: L2152756-05 Client ID: DUP Sample						
BOD, 5 day	ND	ND	mg/l	NC		35
General Chemistry - Westborough Lab Associated sample(s): 13-15,21-23 QC Batch ID: WG1552593-3 QC Sample: L2152680-13 Client ID: MW0610-4-092821						
Nitrogen, Nitrate	ND	ND	mg/l	NC		6
General Chemistry - Westborough Lab Associated sample(s): 13-15,21-23 QC Batch ID: WG1552796-3 QC Sample: L2151234-01 Client ID: DUP Sample						
Alkalinity, Total	174.	177	mg CaCO3/L	2		10
General Chemistry - Westborough Lab Associated sample(s): 08-10 QC Batch ID: WG1553032-4 QC Sample: L2151015-06 Client ID: DUP Sample						
Chemical Oxygen Demand	31.	31	mg/l	0		20
General Chemistry - Westborough Lab Associated sample(s): 11-23 QC Batch ID: WG1553034-4 QC Sample: L2152680-11 Client ID: OW-4/MW-28-092821						
Chemical Oxygen Demand	16.	16	mg/l	0		20
General Chemistry - Westborough Lab Associated sample(s): 08-15 QC Batch ID: WG1553799-3 QC Sample: L2152680-15 Client ID: MW0610-5-092821						
Total Organic Carbon	5.24	4.69	mg/l	11		20
General Chemistry - Westborough Lab Associated sample(s): 18-19 QC Batch ID: WG1553954-3 QC Sample: L2151452-04 Client ID: DUP Sample						
Total Organic Carbon	0.590	0.580	mg/l	2		20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: GARLOCK

Project Number: 8615140

Lab Number: L2152680

Report Date: 10/05/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 13-15,21-23 QC Batch ID: WG1554345-4 QC Sample: L2151359-01 Client ID: DUP Sample					
Chloride	0.992	1.00	mg/l	1	18
Sulfate	0.855J	0.900J	mg/l	NC	20
General Chemistry - Westborough Lab Associated sample(s): 16-17,20-23 QC Batch ID: WG1554444-3 QC Sample: L2152680-22 Client ID: MW0811-1-092821					
Total Organic Carbon	6.20	5.80	mg/l	7	20

Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

B Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2152680-01A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-01B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-01C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-02A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-02B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-02C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-03A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-03B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-03C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-04A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-04B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-04C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-05A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-05B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-05C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-06A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-06B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-06C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-07A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-07B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-08A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-08B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)

Project Name: GARLOCK
Project Number: 8615140

Serial_No:10052118:20
Lab Number: L2152680
Report Date: 10/05/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2152680-08C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-08D	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-08E	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-08F	Plastic 250ml H2SO4 preserved	A	<2	<2	2.3	Y	Absent		COD-410-LOW(28)
L2152680-09A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-09B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-09C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-09D	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-09E	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-09F	Plastic 250ml H2SO4 preserved	A	<2	<2	2.3	Y	Absent		COD-410-LOW(28)
L2152680-10A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-10B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-10C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-10D	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-10E	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-10F	Plastic 250ml H2SO4 preserved	A	<2	<2	2.3	Y	Absent		COD-410-LOW(28)
L2152680-11A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-11B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-11C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-11D	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-11E	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-11F	Plastic 250ml H2SO4 preserved	A	<2	<2	2.3	Y	Absent		COD-410-LOW(28)
L2152680-12A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-12B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-12C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-12D	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-12E	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-12F	Plastic 250ml H2SO4 preserved	A	<2	<2	2.3	Y	Absent		COD-410-LOW(28)

Project Name: GARLOCK
Project Number: 8615140

Serial_No:10052118:20
Lab Number: L2152680
Report Date: 10/05/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2152680-13A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-13B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-13C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-13D	20ml Vial HCl preserved	A	NA		2.3	Y	Absent		DISSGAS(14)
L2152680-13E	20ml Vial HCl preserved	A	NA		2.3	Y	Absent		DISSGAS(14)
L2152680-13F	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-13G	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-13H	Plastic 250ml unpreserved/No Headspace	B	NA		3.7	Y	Absent		ALK-T-2320(14)
L2152680-13I	Plastic 250ml HNO3 preserved	B	<2	<2	3.7	Y	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)
L2152680-13J	Plastic 250ml H2SO4 preserved	B	<2	<2	3.7	Y	Absent		COD-410-LOW(28)
L2152680-13K	Plastic 950ml unpreserved	B	7	7	3.7	Y	Absent		SO4-300(28),CL-300(28),NO3-353(2),BOD-5210(2)
L2152680-14A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-14B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-14C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-14D	20ml Vial HCl preserved	A	NA		2.3	Y	Absent		DISSGAS(14)
L2152680-14E	20ml Vial HCl preserved	A	NA		2.3	Y	Absent		DISSGAS(14)
L2152680-14F	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-14G	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-14H	Plastic 250ml unpreserved/No Headspace	B	NA		3.7	Y	Absent		ALK-T-2320(14)
L2152680-14I	Plastic 250ml HNO3 preserved	B	<2	<2	3.7	Y	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)
L2152680-14J	Plastic 250ml H2SO4 preserved	B	<2	<2	3.7	Y	Absent		COD-410-LOW(28)
L2152680-14K	Plastic 950ml unpreserved	B	7	7	3.7	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2152680-15A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-15B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-15C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-15D	20ml Vial HCl preserved	A	NA		2.3	Y	Absent		DISSGAS(14)
L2152680-15E	20ml Vial HCl preserved	A	NA		2.3	Y	Absent		DISSGAS(14)

Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2152680-15F	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-15G	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-15H	Plastic 250ml unpreserved/No Headspace	B	NA		3.7	Y	Absent		ALK-T-2320(14)
L2152680-15I	Plastic 250ml HNO3 preserved	B	<2	<2	3.7	Y	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)
L2152680-15J	Plastic 250ml H2SO4 preserved	B	<2	<2	3.7	Y	Absent		COD-410-LOW(28)
L2152680-15K	Plastic 950ml unpreserved	B	7	7	3.7	Y	Absent		SO4-300(28),CL-300(28),NO3-353(2),BOD-5210(2)
L2152680-16A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-16B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-16C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-16D	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-16E	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-16F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.7	Y	Absent		COD-410-LOW(28)
L2152680-17A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-17B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-17C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-17D	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-17E	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-17F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.7	Y	Absent		COD-410-LOW(28)
L2152680-18A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-18B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-18C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-18D	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-18E	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-18F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.7	Y	Absent		COD-410-LOW(28)
L2152680-19A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-19B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-19C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-19D	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)

Project Name: GARLOCK
Project Number: 8615140

Serial_No:10052118:20
Lab Number: L2152680
Report Date: 10/05/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2152680-19E	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-19F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.7	Y	Absent		COD-410-LOW(28)
L2152680-20A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-20B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-20C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-20D	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-20E	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-20F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.7	Y	Absent		COD-410-LOW(28)
L2152680-21A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-21B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-21C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-21D	20ml Vial HCl preserved	A	NA		2.3	Y	Absent		DISSGAS(14)
L2152680-21E	20ml Vial HCl preserved	A	NA		2.3	Y	Absent		DISSGAS(14)
L2152680-21F	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-21G	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-21H	Plastic 250ml unpreserved/No Headspace	B	NA		3.7	Y	Absent		ALK-T-2320(14)
L2152680-21I	Plastic 250ml HNO3 preserved	B	<2	<2	3.7	Y	Absent		FE-6020T(180),MN-6020T(180),MG-6020T(180),HARDT-6020(180)
L2152680-21J	Plastic 250ml H2SO4 preserved	B	<2	<2	3.7	Y	Absent		COD-410-LOW(28)
L2152680-21K	Plastic 950ml unpreserved	B	7	7	3.7	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2152680-22A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-22B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-22C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-22D	20ml Vial HCl preserved	A	NA		2.3	Y	Absent		DISSGAS(14)
L2152680-22E	20ml Vial HCl preserved	A	NA		2.3	Y	Absent		DISSGAS(14)
L2152680-22F	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-22G	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-22H	Plastic 250ml unpreserved/No Headspace	B	NA		3.7	Y	Absent		ALK-T-2320(14)

Project Name: GARLOCK
Project Number: 8615140

Serial_No:10052118:20
Lab Number: L2152680
Report Date: 10/05/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2152680-22I	Plastic 250ml HNO3 preserved	B	<2	<2	3.7	Y	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)
L2152680-22J	Plastic 250ml H2SO4 preserved	B	<2	<2	3.7	Y	Absent		COD-410-LOW(28)
L2152680-22K	Plastic 950ml unpreserved	B	7	7	3.7	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2152680-23A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-23B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-23C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2152680-23D	20ml Vial HCl preserved	A	NA		2.3	Y	Absent		DISSGAS(14)
L2152680-23E	20ml Vial HCl preserved	A	NA		2.3	Y	Absent		DISSGAS(14)
L2152680-23F	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-23G	Vial H2SO4 preserved	A	NA		2.3	Y	Absent		TOC-5310(28)
L2152680-23H	Plastic 250ml unpreserved/No Headspace	B	NA		3.7	Y	Absent		ALK-T-2320(14)
L2152680-23I	Plastic 250ml HNO3 preserved	B	<2	<2	3.7	Y	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)
L2152680-23J	Plastic 250ml H2SO4 preserved	B	<2	<2	3.7	Y	Absent		COD-410-LOW(28)
L2152680-23K	Plastic 950ml unpreserved	B	7	7	3.7	Y	Absent		SO4-300(28),CL-300(28),NO3-353(2),BOD-5210(2)

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GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



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Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: GARLOCK
Project Number: 8615140

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Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: GARLOCK**Lab Number:** L2152680**Project Number:** 8615140**Report Date:** 10/05/21

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.
- 117 Technical Guidance for the Natural Attenuation Indicators: Methane, Ethane, and Ethene, EPA-NE, Revision 1, February 21, 2002 and Sample Preparation & Calculations for Dissolved Gas Analysis in Water Samples using a GC Headspace Equilibration Technique, EPA RSKSOP-175, Revision 2, May 2004.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page <u>1</u> of <u>5</u>		Date Rec'd in Lab <u>9/30/21</u>		ALPHA Job # <u>L2152680</u>																																																																																																																																																																																																																
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		Project Manager: <u>Sendace Fox Melissa Dayo</u> ALPHAQuote #:		Regulatory Requirement ☒ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:																																																																																																																																																																																																																		
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		Client Information Client: <u>GHD</u> Address: <u>one Remington Park Dr. Cazemora, NY 13035</u> Phone: <u>315-679-5732</u> Fax: <u>Ten-Ho-Namara @ GHD.com</u> Email: <u>Ten-Ho-Namara @ GHD.com</u>		Project Information Project Name: <u>Garlock Carbon Tet. Area</u> Project Location: <u>Palmyra NY</u> Project # <u>861546</u> (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☒ ASP-B ☐ EQUIS (1 File) ☒ EQUIS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO #													
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<u>52860-13</u>		<u>MW0610-4-092821</u>		<u>9/28/21 0945</u>		<u>GW SG</u>		<u>X X X X X X X</u>													
<u>-14</u>		<u>MW0811-2-092821</u>		<u>9/28/21 0910</u>		<u>GW SG</u>		<u>X X X X X X X</u>													
<u>-15</u>		<u>MW0610-5-092821</u>		<u>9/28/21 1015</u>		<u>GW SG</u>		<u>X X X X X X X</u>													
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Relinquished By: <u>RC AAL</u>		Date/Time: <u>9/28/21 1539</u>		Received By: <u>RC AAL</u>		Date/Time: <u>9/28/21 1700</u>		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)													
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[illegible]

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4th Quarter 2021



ANALYTICAL REPORT

Lab Number:	L2170305
Client:	GHD, Inc. 5788 Widewaters Pkwy Syracuse, NY 13214
ATTN:	Ian McNamara
Phone:	(315) 802-0312
Project Name:	GARLOCK
Project Number:	8615140-2101
Report Date:	01/07/22

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2170305-01	MW0610-4-122121	WATER	PALMYRA, NY	12/21/21 09:20	12/21/21
L2170305-02	MW0610-5-122121	WATER	PALMYRA, NY	12/21/21 09:50	12/21/21
L2170305-03	MW0811-02-122121	WATER	PALMYRA, NY	12/21/21 08:50	12/21/21
L2170305-04	OW-1-122121	WATER	PALMYRA, NY	12/21/21 10:25	12/21/21
L2170305-05	OW-2/MW-41-122121	WATER	PALMYRA, NY	12/21/21 10:50	12/21/21
L2170305-06	OW-3/AOC-2-122121	WATER	PALMYRA, NY	12/21/21 11:10	12/21/21
L2170305-07	OW-4/MW-28-122121	WATER	PALMYRA, NY	12/21/21 10:50	12/21/21
L2170305-08	OW-5-122121	WATER	PALMYRA, NY	12/21/21 10:25	12/21/21
L2170305-09	MW0610-01-122121	WATER	PALMYRA, NY	12/21/21 12:35	12/21/21
L2170305-10	MW0811-01-122121	WATER	PALMYRA, NY	12/21/21 12:50	12/21/21
L2170305-11	MW-63-122121	WATER	PALMYRA, NY	12/21/21 13:10	12/21/21
L2170305-12	MW0512-01-122121	WATER	PALMYRA, NY	12/21/21 12:05	12/21/21
L2170305-13	MW0512-02-122121	WATER	PALMYRA, NY	12/21/21 11:30	12/21/21
L2170305-14	MW0911-01-122121	WATER	PALMYRA, NY	12/21/21 12:05	12/21/21
L2170305-15	MW0911-02-122121	WATER	PALMYRA, NY	12/21/21 11:40	12/21/21
L2170305-16	IW-1-122121	WATER	PALMYRA, NY	12/21/21 09:00	12/21/21
L2170305-17	IW-2-122121	WATER	PALMYRA, NY	12/21/21 09:30	12/21/21
L2170305-18	TRIPBLANK-122121	WATER	PALMYRA, NY	12/21/21 00:00	12/21/21

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2170305-10D: The sample was received in the proper acid-preserved containers; however, upon analysis, the pH was determined to be greater than 2, and thus the method required holding time was exceeded.

Dissolved Gases

L2170305-03, -09, and -10: The samples were collected in pre-preserved vials; however, the pH of the sample was determined to be greater than two.

Chemical Oxygen Demand

The WG1590970-3 MS recovery, performed on L2170305-01, is outside the acceptance criteria for chemical oxygen demand (61%); however, the associated LCS recovery is within criteria. No further action was taken.

Anions by Ion Chromatography

The WG1589693-3 MS recovery, performed on L2170305-03, is outside the acceptance criteria for chloride (112%); however, the associated LCS recovery is within criteria. No further action was taken.

Total Organic Carbon

L2170305-09 and -11: The sample has an elevated detection limit due to the dilution required by the sample matrix.

The WG1591316-3 Laboratory Duplicate RPD for total organic carbon (39%), performed on L2170305-01, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

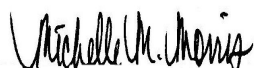
Case Narrative (continued)

BOD, 5 day

L2170305-09: The sample was set at the correct dilution for BOD analysis according to prep screening; however, not enough depletion occurred. Therefore, the sample result is reported as "non-detect" at an elevated detection limit. Due to the expiration of the method required holding time, re-analysis could not be performed.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 01/07/22

ORGANICS

VOLATILES

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-01
Client ID: MW0610-4-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 09:20
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/01/22 11:27
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.50		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.09	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-01
Client ID: MW0610-4-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 09:20
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	13		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-01
Client ID: MW0610-4-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 09:20
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 01/03/22 15:18
Analyst: JT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	2060		ug/l	2.00	2.00	1	A
Ethene	ND		ug/l	0.500	0.500	1	A
Ethane	0.520		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-02
Client ID: MW0610-5-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 09:50
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/01/22 11:54
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	13		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	7.6		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-02
Client ID: MW0610-5-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 09:50
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	9.2		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	4.4	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	16		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-02
Client ID: MW0610-5-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 09:50
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 117,-
Analytical Date: 01/03/22 15:35
Analyst: JT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	2520		ug/l	2.00	2.00	1	A
Ethene	0.913		ug/l	0.500	0.500	1	A
Ethane	3.05		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-03
Client ID: MW0811-02-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 08:50
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/01/22 12:20
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-03
Client ID: MW0811-02-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 08:50
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	7.4	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	102		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-03
Client ID: MW0811-02-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 08:50
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 01/03/22 15:52
Analyst: JT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	707		ug/l	2.00	2.00	1	A
Ethene	ND		ug/l	0.500	0.500	1	A
Ethane	0.523		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-04
Client ID: OW-1-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 10:25
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/01/22 12:46
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.8		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-04
Client ID: OW-1-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 10:25
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	0.94	J	ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	101		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-05 D
Client ID: OW-2/MW-41-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 10:50
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/01/22 15:22
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	96		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	ND		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	380		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	4.1		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	6.2	J	ug/l	12	3.5	5
Trichloroethene	2.6		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-05 D
Client ID: OW-2/MW-41-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 10:50
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	880		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	ND		ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	110		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-06 D
Client ID: OW-3/AOC-2-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 11:10
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/01/22 15:48
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	120	35.	50
1,1-Dichloroethane	370		ug/l	120	35.	50
Chloroform	ND		ug/l	120	35.	50
Carbon tetrachloride	ND		ug/l	25	6.7	50
1,2-Dichloropropane	ND		ug/l	50	6.8	50
Dibromochloromethane	ND		ug/l	25	7.4	50
1,1,2-Trichloroethane	ND		ug/l	75	25.	50
Tetrachloroethene	ND		ug/l	25	9.0	50
Chlorobenzene	ND		ug/l	120	35.	50
Trichlorofluoromethane	ND		ug/l	120	35.	50
1,2-Dichloroethane	ND		ug/l	25	6.6	50
1,1,1-Trichloroethane	ND		ug/l	120	35.	50
Bromodichloromethane	ND		ug/l	25	9.6	50
trans-1,3-Dichloropropene	ND		ug/l	25	8.2	50
cis-1,3-Dichloropropene	ND		ug/l	25	7.2	50
Bromoform	ND		ug/l	100	32.	50
1,1,2,2-Tetrachloroethane	ND		ug/l	25	8.4	50
Benzene	ND		ug/l	25	8.0	50
Toluene	ND		ug/l	120	35.	50
Ethylbenzene	ND		ug/l	120	35.	50
Chloromethane	ND		ug/l	120	35.	50
Bromomethane	ND		ug/l	120	35.	50
Vinyl chloride	4900		ug/l	50	3.6	50
Chloroethane	ND		ug/l	120	35.	50
1,1-Dichloroethene	ND		ug/l	25	8.4	50
trans-1,2-Dichloroethene	ND		ug/l	120	35.	50
Trichloroethene	ND		ug/l	25	8.8	50
1,2-Dichlorobenzene	ND		ug/l	120	35.	50

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-06 D
Client ID: OW-3/AOC-2-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 11:10
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	120	35.	50
1,4-Dichlorobenzene	ND		ug/l	120	35.	50
Methyl tert butyl ether	ND		ug/l	120	35.	50
p/m-Xylene	ND		ug/l	120	35.	50
o-Xylene	ND		ug/l	120	35.	50
cis-1,2-Dichloroethene	1100		ug/l	120	35.	50
Styrene	ND		ug/l	120	35.	50
Dichlorodifluoromethane	ND		ug/l	250	50.	50
Acetone	ND		ug/l	250	73.	50
Carbon disulfide	ND		ug/l	250	50.	50
2-Butanone	ND		ug/l	250	97.	50
4-Methyl-2-pentanone	ND		ug/l	250	50.	50
2-Hexanone	ND		ug/l	250	50.	50
Bromochloromethane	ND		ug/l	120	35.	50
1,2-Dibromoethane	ND		ug/l	100	32.	50
1,2-Dibromo-3-chloropropane	ND		ug/l	120	35.	50
Isopropylbenzene	ND		ug/l	120	35.	50
1,2,3-Trichlorobenzene	ND		ug/l	120	35.	50
1,2,4-Trichlorobenzene	ND		ug/l	120	35.	50
Methyl Acetate	ND		ug/l	100	12.	50
Cyclohexane	ND		ug/l	500	14.	50
1,4-Dioxane	ND		ug/l	12000	3000	50
Freon-113	ND		ug/l	120	35.	50
Methyl cyclohexane	ND		ug/l	500	20.	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-07 D
Client ID: OW-4/MW-28-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 10:50
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/03/22 00:28
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	53		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	320		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	0.94	J	ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-07 D
Client ID: OW-4/MW-28-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 10:50
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	32		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	111		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-08
Client ID: OW-5-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 10:25
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/01/22 13:12
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	26		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	120		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-08
Client ID: OW-5-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 10:25
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	10		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	105		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-09
Client ID: MW0610-01-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 12:35
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/01/22 13:38
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	230	E	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.46	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.7	J	ug/l	2.5	0.70	1
Trichloroethene	5.1		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-09
Client ID: MW0610-01-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 12:35
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	170		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	104		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-09
Client ID: MW0610-01-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 12:35
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 01/03/22 16:10
Analyst: JT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	2370		ug/l	2.00	2.00	1	A
Ethene	12.8		ug/l	0.500	0.500	1	A
Ethane	12.9		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-09 D
Client ID: MW0610-01-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 12:35
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/03/22 00:54
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
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Vinyl chloride	230		ug/l	5.0	0.36	5
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	108		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-10
Client ID: MW0811-01-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 12:50
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 01/03/22 16:28
Analyst: JT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	8110		ug/l	2.00	2.00	1	A
Ethene	34.9		ug/l	0.500	0.500	1	A
Ethane	41.0		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-10 D
Client ID: MW0811-01-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 12:50
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/01/22 16:40
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	940		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-10 D
Client ID: MW0811-01-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 12:50
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	270		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	ND		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-11
Client ID: MW-63-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 13:10
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 01/03/22 16:46
Analyst: JT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	383		ug/l	2.00	2.00	1	A
Ethene	19.2		ug/l	0.500	0.500	1	A
Ethane	7.04		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-11 D
Client ID: MW-63-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 13:10
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/01/22 17:07
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethane	ND		ug/l	6.2	1.8	2.5
Chloroform	ND		ug/l	6.2	1.8	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.34	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.34	2.5
Dibromochloromethane	ND		ug/l	1.2	0.37	2.5
1,1,2-Trichloroethane	ND		ug/l	3.8	1.2	2.5
Tetrachloroethene	ND		ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	6.2	1.8	2.5
Trichlorofluoromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.33	2.5
1,1,1-Trichloroethane	ND		ug/l	6.2	1.8	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
Bromoform	ND		ug/l	5.0	1.6	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.42	2.5
Benzene	ND		ug/l	1.2	0.40	2.5
Toluene	ND		ug/l	6.2	1.8	2.5
Ethylbenzene	ND		ug/l	6.2	1.8	2.5
Chloromethane	ND		ug/l	6.2	1.8	2.5
Bromomethane	ND		ug/l	6.2	1.8	2.5
Vinyl chloride	270		ug/l	2.5	0.18	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	0.82	J	ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	ND		ug/l	6.2	1.8	2.5
Trichloroethene	ND		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-11 D
Client ID: MW-63-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 13:10
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl tert butyl ether	ND		ug/l	6.2	1.8	2.5
p/m-Xylene	ND		ug/l	6.2	1.8	2.5
o-Xylene	ND		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	300		ug/l	6.2	1.8	2.5
Styrene	ND		ug/l	6.2	1.8	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5	2.5
Acetone	ND		ug/l	12	3.6	2.5
Carbon disulfide	ND		ug/l	12	2.5	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
4-Methyl-2-pentanone	ND		ug/l	12	2.5	2.5
2-Hexanone	ND		ug/l	12	2.5	2.5
Bromochloromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dibromoethane	ND		ug/l	5.0	1.6	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	1.8	2.5
Isopropylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,3-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl Acetate	ND		ug/l	5.0	0.58	2.5
Cyclohexane	ND		ug/l	25	0.68	2.5
1,4-Dioxane	ND		ug/l	620	150	2.5
Freon-113	ND		ug/l	6.2	1.8	2.5
Methyl cyclohexane	ND		ug/l	25	0.99	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-12 D
Client ID: MW0512-01-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 12:05
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/01/22 17:33
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	500	140	200
1,1-Dichloroethane	240	J	ug/l	500	140	200
Chloroform	ND		ug/l	500	140	200
Carbon tetrachloride	ND		ug/l	100	27.	200
1,2-Dichloropropane	ND		ug/l	200	27.	200
Dibromochloromethane	ND		ug/l	100	30.	200
1,1,2-Trichloroethane	ND		ug/l	300	100	200
Tetrachloroethene	ND		ug/l	100	36.	200
Chlorobenzene	ND		ug/l	500	140	200
Trichlorofluoromethane	ND		ug/l	500	140	200
1,2-Dichloroethane	ND		ug/l	100	26.	200
1,1,1-Trichloroethane	820		ug/l	500	140	200
Bromodichloromethane	ND		ug/l	100	38.	200
trans-1,3-Dichloropropene	ND		ug/l	100	33.	200
cis-1,3-Dichloropropene	ND		ug/l	100	29.	200
Bromoform	ND		ug/l	400	130	200
1,1,2,2-Tetrachloroethane	ND		ug/l	100	33.	200
Benzene	ND		ug/l	100	32.	200
Toluene	2500		ug/l	500	140	200
Ethylbenzene	280	J	ug/l	500	140	200
Chloromethane	ND		ug/l	500	140	200
Bromomethane	ND		ug/l	500	140	200
Vinyl chloride	1100		ug/l	200	14.	200
Chloroethane	ND		ug/l	500	140	200
1,1-Dichloroethene	37	J	ug/l	100	34.	200
trans-1,2-Dichloroethene	ND		ug/l	500	140	200
Trichloroethene	48	J	ug/l	100	35.	200
1,2-Dichlorobenzene	ND		ug/l	500	140	200

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-12 D
Client ID: MW0512-01-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 12:05
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	500	140	200
1,4-Dichlorobenzene	ND		ug/l	500	140	200
Methyl tert butyl ether	ND		ug/l	500	140	200
p/m-Xylene	1000		ug/l	500	140	200
o-Xylene	420	J	ug/l	500	140	200
cis-1,2-Dichloroethene	22000		ug/l	500	140	200
Styrene	ND		ug/l	500	140	200
Dichlorodifluoromethane	ND		ug/l	1000	200	200
Acetone	ND		ug/l	1000	290	200
Carbon disulfide	ND		ug/l	1000	200	200
2-Butanone	ND		ug/l	1000	390	200
4-Methyl-2-pentanone	ND		ug/l	1000	200	200
2-Hexanone	ND		ug/l	1000	200	200
Bromochloromethane	ND		ug/l	500	140	200
1,2-Dibromoethane	ND		ug/l	400	130	200
1,2-Dibromo-3-chloropropane	ND		ug/l	500	140	200
Isopropylbenzene	ND		ug/l	500	140	200
1,2,3-Trichlorobenzene	ND		ug/l	500	140	200
1,2,4-Trichlorobenzene	ND		ug/l	500	140	200
Methyl Acetate	ND		ug/l	400	47.	200
Cyclohexane	ND		ug/l	2000	54.	200
1,4-Dioxane	ND		ug/l	50000	12000	200
Freon-113	ND		ug/l	500	140	200
Methyl cyclohexane	ND		ug/l	2000	79.	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	110		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-13 D
Client ID: MW0512-02-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 11:30
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/01/22 18:00
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	86		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	8.2	J	ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	2.3	J	ug/l	5.0	1.6	10
Toluene	48		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	1000		ug/l	10	0.71	10
Chloroethane	21	J	ug/l	25	7.0	10
1,1-Dichloroethene	12		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	12	J	ug/l	25	7.0	10
Trichloroethene	13		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-13 D
Client ID: MW0512-02-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 11:30
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	1900		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	ND		ug/l	25	7.0	10
Methyl cyclohexane	5.3	J	ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	105		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-14
Client ID: MW0911-01-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 12:05
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/01/22 14:04
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	0.75	J	ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	9.0		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	1.1		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-14
Client ID: MW0911-01-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 12:05
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	45		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	106		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-15 D
Client ID: MW0911-02-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 11:40
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/01/22 18:26
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	72		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	ND		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	2.4	J	ug/l	2.5	0.80	5
Toluene	450		ug/l	12	3.5	5
Ethylbenzene	7.7	J	ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	330		ug/l	5.0	0.36	5
Chloroethane	4.7	J	ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	31		ug/l	12	3.5	5
Trichloroethene	1.4	J	ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-15 D
Client ID: MW0911-02-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 11:40
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	27		ug/l	12	3.5	5
o-Xylene	18		ug/l	12	3.5	5
cis-1,2-Dichloroethene	810		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	ND		ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	3.2	J	ug/l	50	2.0	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	105		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-16
Client ID: IW-1-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 09:00
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/01/22 14:30
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	12		ug/l	0.50	0.16	1
Toluene	6.9		ug/l	2.5	0.70	1
Ethylbenzene	0.81	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.2		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-16
Client ID: IW-1-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 09:00
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	40		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	180		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	95		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-17
Client ID: IW-2-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 09:30
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/01/22 14:56
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	6.0		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	23		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-17
Client ID: IW-2-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 09:30
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	2.9		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	1.2	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	2.0	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-18
Client ID: TRIPBLANK-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 00:00
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/04/22 13:59
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-18
Client ID: TRIPBLANK-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 00:00
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	112		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/01/22 09:43
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08-17 Batch: WG1589806-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/01/22 09:43
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08-17 Batch: WG1589806-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/01/22 09:43
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08-17 Batch: WG1589806-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	101		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/02/22 16:14
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,09 Batch: WG1589923-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/02/22 16:14
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,09 Batch: WG1589923-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/02/22 16:14
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,09 Batch: WG1589923-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	105		70-130

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 117,-
Analytical Date: 01/03/22 11:15
Analyst: JT

Parameter	Result	Qualifier	Units	RL	MDL
Dissolved Gases by GC - Mansfield Lab for sample(s): 01-03,09-11 Batch: WG1589966-3					
Methane	ND		ug/l	2.00	2.00 A
Ethene	ND		ug/l	0.500	0.500 A
Ethane	ND		ug/l	0.500	0.500 A

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/04/22 13:13
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 18 Batch: WG1590861-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/04/22 13:13
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 18 Batch: WG1590861-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/04/22 13:13
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 18 Batch: WG1590861-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	113		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08-17 Batch: WG1589806-3 WG1589806-4								
Methylene chloride	92		95		70-130	3		20
1,1-Dichloroethane	100		94		70-130	6		20
Chloroform	100		94		70-130	6		20
Carbon tetrachloride	94		90		63-132	4		20
1,2-Dichloropropane	100		93		70-130	7		20
Dibromochloromethane	91		93		63-130	2		20
1,1,2-Trichloroethane	92		89		70-130	3		20
Tetrachloroethene	95		89		70-130	7		20
Chlorobenzene	95		92		75-130	3		20
Trichlorofluoromethane	92		81		62-150	13		20
1,2-Dichloroethane	100		96		70-130	4		20
1,1,1-Trichloroethane	96		92		67-130	4		20
Bromodichloromethane	96		92		67-130	4		20
trans-1,3-Dichloropropene	86		86		70-130	0		20
cis-1,3-Dichloropropene	90		87		70-130	3		20
Bromoform	87		89		54-136	2		20
1,1,2,2-Tetrachloroethane	86		90		67-130	5		20
Benzene	100		97		70-130	3		20
Toluene	99		94		70-130	5		20
Ethylbenzene	97		94		70-130	3		20
Chloromethane	86		84		64-130	2		20
Bromomethane	130		130		39-139	0		20
Vinyl chloride	90		87		55-140	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08-17 Batch: WG1589806-3 WG1589806-4								
Chloroethane	110		100		55-138	10		20
1,1-Dichloroethene	92		90		61-145	2		20
trans-1,2-Dichloroethene	100		95		70-130	5		20
Trichloroethene	98		97		70-130	1		20
1,2-Dichlorobenzene	93		94		70-130	1		20
1,3-Dichlorobenzene	95		95		70-130	0		20
1,4-Dichlorobenzene	93		94		70-130	1		20
Methyl tert butyl ether	94		95		63-130	1		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		98		70-130	2		20
Styrene	90		85		70-130	6		20
Dichlorodifluoromethane	76		72		36-147	5		20
Acetone	70		78		58-148	11		20
Carbon disulfide	94		89		51-130	5		20
2-Butanone	71		72		63-138	1		20
4-Methyl-2-pentanone	77		79		59-130	3		20
2-Hexanone	73		74		57-130	1		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	94		93		70-130	1		20
1,2-Dibromo-3-chloropropane	77		75		41-144	3		20
Isopropylbenzene	84		85		70-130	1		20
1,2,3-Trichlorobenzene	92		90		70-130	2		20

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08-17 Batch: WG1589806-3 WG1589806-4								
1,2,4-Trichlorobenzene	91		92		70-130	1		20
Methyl Acetate	79		80		70-130	1		20
Cyclohexane	88		82		70-130	7		20
1,4-Dioxane	80		94		56-162	16		20
Freon-113	92		85		70-130	8		20
Methyl cyclohexane	87		80		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		101		70-130
Toluene-d8	100		98		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG1589923-3 WG1589923-4								
Methylene chloride	99		96		70-130	3		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	120		110		63-132	9		20
1,2-Dichloropropane	97		93		70-130	4		20
Dibromochloromethane	100		95		63-130	5		20
1,1,2-Trichloroethane	95		91		70-130	4		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		94		75-130	6		20
Trichlorofluoromethane	110		100		62-150	10		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	120		110		67-130	9		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	89		88		70-130	1		20
cis-1,3-Dichloropropene	88		83		70-130	6		20
Bromoform	93		86		54-136	8		20
1,1,2,2-Tetrachloroethane	85		86		67-130	1		20
Benzene	100		98		70-130	2		20
Toluene	100		96		70-130	4		20
Ethylbenzene	110		100		70-130	10		20
Chloromethane	92		88		64-130	4		20
Bromomethane	130		120		39-139	8		20
Vinyl chloride	100		93		55-140	7		20

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG1589923-3 WG1589923-4								
Chloroethane	120		110		55-138	9		20
1,1-Dichloroethene	100		96		61-145	4		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	110		95		70-130	15		20
1,2-Dichlorobenzene	100		97		70-130	3		20
1,3-Dichlorobenzene	100		98		70-130	2		20
1,4-Dichlorobenzene	100		97		70-130	3		20
Methyl tert butyl ether	97		96		63-130	1		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	105		100		70-130	5		20
cis-1,2-Dichloroethene	100		97		70-130	3		20
Styrene	95		90		70-130	5		20
Dichlorodifluoromethane	100		93		36-147	7		20
Acetone	81		87		58-148	7		20
Carbon disulfide	100		96		51-130	4		20
2-Butanone	67		88		63-138	27	Q	20
4-Methyl-2-pentanone	77		77		59-130	0		20
2-Hexanone	76		77		57-130	1		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	96		89		70-130	8		20
1,2-Dibromo-3-chloropropane	71		71		41-144	0		20
Isopropylbenzene	93		85		70-130	9		20
1,2,3-Trichlorobenzene	93		89		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG1589923-3 WG1589923-4								
1,2,4-Trichlorobenzene	94		92		70-130	2		20
Methyl Acetate	84		85		70-130	1		20
Cyclohexane	100		93		70-130	7		20
1,4-Dioxane	80		80		56-162	0		20
Freon-113	110		100		70-130	10		20
Methyl cyclohexane	96		89		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	116		116		70-130
Toluene-d8	100		98		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	105		104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Dissolved Gases by GC - Mansfield Lab Associated sample(s): 01-03,09-11 Batch: WG1589966-2									
Methane	116		-		80-120	-		25	A
Ethene	111		-		80-120	-		25	A
Ethane	109		-		80-120	-		25	A

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 18 Batch: WG1590861-3 WG1590861-4								
Methylene chloride	100		110		70-130	10		20
1,1-Dichloroethane	130		130		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	98		98		63-132	0		20
1,2-Dichloropropane	120		110		70-130	9		20
Dibromochloromethane	90		89		63-130	1		20
1,1,2-Trichloroethane	94		93		70-130	1		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	110		110		75-130	0		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	94		96		67-130	2		20
trans-1,3-Dichloropropene	84		83		70-130	1		20
cis-1,3-Dichloropropene	89		88		70-130	1		20
Bromoform	83		79		54-136	5		20
1,1,2,2-Tetrachloroethane	96		94		67-130	2		20
Benzene	110		110		70-130	0		20
Toluene	110		110		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	130		130		64-130	0		20
Bromomethane	71		73		39-139	3		20
Vinyl chloride	130		130		55-140	0		20

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 18 Batch: WG1590861-3 WG1590861-4								
Chloroethane	140	Q	140	Q	55-138	0		20
1,1-Dichloroethene	120		120		61-145	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		99		70-130	1		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	89		88		63-130	1		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	110		100		70-130	10		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	97		96		36-147	1		20
Acetone	110		110		58-148	0		20
Carbon disulfide	120		120		51-130	0		20
2-Butanone	100		100		63-138	0		20
4-Methyl-2-pentanone	84		86		59-130	2		20
2-Hexanone	97		96		57-130	1		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	92		91		70-130	1		20
1,2-Dibromo-3-chloropropane	75		74		41-144	1		20
Isopropylbenzene	110		110		70-130	0		20
1,2,3-Trichlorobenzene	85		86		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 18 Batch: WG1590861-3 WG1590861-4								
1,2,4-Trichlorobenzene	88		88		70-130	0		20
Methyl Acetate	100		100		70-130	0		20
Cyclohexane	150	Q	150	Q	70-130	0		20
1,4-Dioxane	78		78		56-162	0		20
Freon-113	120		120		70-130	0		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		110		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	106		106		70-130

METALS

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-01
 Client ID: MW0610-4-122121
 Sample Location: PALMYRA, NY

Date Collected: 12/21/21 09:20
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total	3.82		mg/l	0.0500	0.0191	1	01/04/22 02:38	01/06/22 19:29	EPA 3005A	1,6020B	SV
Magnesium, Total	47.2		mg/l	0.0700	0.0242	1	01/04/22 02:38	01/06/22 19:29	EPA 3005A	1,6020B	SV
Manganese, Total	0.6599		mg/l	0.00100	0.00044	1	01/04/22 02:38	01/06/22 19:29	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	743.4		mg/l	0.5400	NA	1	01/04/22 02:38	01/06/22 19:29	EPA 3005A	1,6020B	SV



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-02
Client ID: MW0610-5-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 09:50
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total	2.59		mg/l	0.0500	0.0191	1	01/04/22 02:38	01/06/22 19:34	EPA 3005A	1,6020B	SV
Magnesium, Total	54.2		mg/l	0.0700	0.0242	1	01/04/22 02:38	01/06/22 19:34	EPA 3005A	1,6020B	SV
Manganese, Total	0.2312		mg/l	0.00100	0.00044	1	01/04/22 02:38	01/06/22 19:34	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	949.0		mg/l	0.5400	NA	1	01/04/22 02:38	01/06/22 19:34	EPA 3005A	1,6020B	SV



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-03
Client ID: MW0811-02-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 08:50
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total	0.952		mg/l	0.0500	0.0191	1	01/04/22 02:38	01/06/22 19:39	EPA 3005A	1,6020B	SV
Magnesium, Total	22.6		mg/l	0.0700	0.0242	1	01/04/22 02:38	01/06/22 19:39	EPA 3005A	1,6020B	SV
Manganese, Total	0.3386		mg/l	0.00100	0.00044	1	01/04/22 02:38	01/06/22 19:39	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	345.1		mg/l	0.5400	NA	1	01/04/22 02:38	01/06/22 19:39	EPA 3005A	1,6020B	SV



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-09
 Client ID: MW0610-01-122121
 Sample Location: PALMYRA, NY

Date Collected: 12/21/21 12:35
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total	23.9		mg/l	0.0500	0.0191	1	01/04/22 02:38	01/06/22 19:44	EPA 3005A	1,6020B	SV
Magnesium, Total	199.		mg/l	0.0700	0.0242	1	01/04/22 02:38	01/06/22 19:44	EPA 3005A	1,6020B	SV
Manganese, Total	1.197		mg/l	0.00100	0.00044	1	01/04/22 02:38	01/06/22 19:44	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	1828.		mg/l	0.5400	NA	1	01/04/22 02:38	01/06/22 19:44	EPA 3005A	1,6020B	SV



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-10
 Client ID: MW0811-01-122121
 Sample Location: PALMYRA, NY

Date Collected: 12/21/21 12:50
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total	48.3		mg/l	0.0500	0.0191	1	01/04/22 02:38	01/06/22 19:49	EPA 3005A	1,6020B	SV
Magnesium, Total	202.		mg/l	0.350	0.121	5	01/04/22 02:38	01/06/22 22:07	EPA 3005A	1,6020B	SV
Manganese, Total	1.399		mg/l	0.00100	0.00044	1	01/04/22 02:38	01/06/22 19:49	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	2712.		mg/l	2.700	NA	5	01/04/22 02:38	01/06/22 22:07	EPA 3005A	1,6020B	SV



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-11
 Client ID: MW-63-122121
 Sample Location: PALMYRA, NY

Date Collected: 12/21/21 13:10
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total	7.17		mg/l	0.0500	0.0191	1	01/04/22 02:38	01/06/22 19:53	EPA 3005A	1,6020B	SV
Magnesium, Total	136.		mg/l	0.350	0.121	5	01/04/22 02:38	01/06/22 22:55	EPA 3005A	1,6020B	SV
Manganese, Total	0.7558		mg/l	0.00100	0.00044	1	01/04/22 02:38	01/06/22 19:53	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	2170.		mg/l	2.700	NA	5	01/04/22 02:38	01/06/22 22:55	EPA 3005A	1,6020B	SV



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03,09-11 Batch: WG1589539-1									
Iron, Total	ND	mg/l	0.0500	0.0191	1	01/04/22 02:38	01/06/22 15:21	1,6020B	SV
Magnesium, Total	ND	mg/l	0.0700	0.0242	1	01/04/22 02:38	01/06/22 15:21	1,6020B	SV
Manganese, Total	ND	mg/l	0.00100	0.00044	1	01/04/22 02:38	01/06/22 15:21	1,6020B	SV

Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Hardness (by calculation) - Mansfield Lab for sample(s): 01-03,09-11 Batch: WG1589539-1									
Hardness	ND	mg/l	0.5400	NA	1	01/04/22 02:38	01/06/22 15:21	1,6020B	SV

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,09-11 Batch: WG1589539-2								
Iron, Total	100		-		80-120	-		
Magnesium, Total	109		-		80-120	-		
Manganese, Total	97		-		80-120	-		
Total Hardness (by calculation) - Mansfield Lab Associated sample(s): 01-03,09-11 Batch: WG1589539-2								
Hardness	105		-		80-120	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,09-11 QC Batch ID: WG1589539-3 QC Sample: L2170405-04 Client ID: MS Sample												
Iron, Total	ND	1	1.27	127	Q	-	-		75-125	-		20
Magnesium, Total	7.09	10	17.1	100		-	-		75-125	-		20
Manganese, Total	0.01898	0.5	0.5050	97		-	-		75-125	-		20
Total Hardness (by calculation) - Mansfield Lab Associated sample(s): 01-03,09-11 QC Batch ID: WG1589539-3 QC Sample: L2170405-04 Client ID: MS Sample												
Hardness	283.0	66.2	322.3	59	Q	-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,09-11 QC Batch ID: WG1589539-4 QC Sample: L2170405-04 Client ID: DUP Sample						
Iron, Total	ND	0.0234J	mg/l	NC		20
Manganese, Total	0.01898	0.01853	mg/l	2		20

INORGANICS & MISCELLANEOUS

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-01
Client ID: MW0610-4-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 09:20
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	436.		mg CaCO3/L	2.00	NA	1	-	01/02/22 08:04	121,2320B	MR
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	12/23/21 05:40	44,353.2	MR
Chemical Oxygen Demand	62.		mg/l	10	2.7	1	01/05/22 18:00	01/05/22 21:09	44,410.4	TL
BOD, 5 day	12.		mg/l	5.0	NA	2.5	12/23/21 08:38	12/28/21 06:20	121,5210B	MT
Total Organic Carbon	3.53		mg/l	1.00	0.228	2	-	01/06/22 04:29	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	1330		mg/l	50.0	8.39	100	-	01/02/22 13:43	44,300.0	SH
Sulfate	178.		mg/l	100	45.4	100	-	01/02/22 13:43	44,300.0	SH



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-02
Client ID: MW0610-5-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 09:50
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	468.		mg CaCO3/L	2.00	NA	1	-	01/02/22 08:04	121,2320B	MR
Nitrogen, Nitrate	0.041	J	mg/l	0.10	0.023	1	-	12/23/21 05:44	44,353.2	MR
Chemical Oxygen Demand	78.		mg/l	10	2.7	1	01/05/22 18:00	01/05/22 21:09	44,410.4	TL
BOD, 5 day	30.		mg/l	10	NA	5	12/23/21 08:38	12/28/21 06:20	121,5210B	MT
Total Organic Carbon	2.53		mg/l	0.500	0.114	1	-	01/06/22 04:29	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	980.		mg/l	50.0	8.39	100	-	01/02/22 13:54	44,300.0	SH
Sulfate	374.		mg/l	100	45.4	100	-	01/02/22 13:54	44,300.0	SH



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-03
Client ID: MW0811-02-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 08:50
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	488.		mg CaCO3/L	2.00	NA	1	-	01/02/22 08:04	121,2320B	MR
Nitrogen, Nitrate	0.53		mg/l	0.10	0.023	1	-	12/23/21 05:45	44,353.2	MR
Chemical Oxygen Demand	22.		mg/l	10	2.7	1	01/05/22 18:00	01/05/22 21:09	44,410.4	TL
BOD, 5 day	ND		mg/l	2.0	NA	1	12/23/21 08:38	12/28/21 06:20	121,5210B	MT
Total Organic Carbon	2.30		mg/l	0.500	0.114	1	-	01/06/22 04:29	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	531.		mg/l	12.5	2.10	25	-	01/02/22 16:05	44,300.0	SH
Sulfate	91.2		mg/l	25.0	11.4	25	-	01/02/22 16:05	44,300.0	SH



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-04
Client ID: OW-1-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 10:25
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	38.		mg/l	10	2.7	1	01/05/22 18:00	01/05/22 21:10	44,410.4	TL
Total Organic Carbon	0.890		mg/l	0.500	0.114	1	-	01/06/22 04:29	121,5310C	DW



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-05
Client ID: OW-2/MW-41-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 10:50
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	14.		mg/l	10	2.7	1	01/05/22 18:00	01/05/22 21:10	44,410.4	TL
Total Organic Carbon	1.72		mg/l	0.500	0.114	1	-	01/06/22 04:29	121,5310C	DW



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-06
Client ID: OW-3/AOC-2-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 11:10
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	31.		mg/l	10	2.7	1	01/05/22 18:00	01/05/22 21:10	44,410.4	TL
Total Organic Carbon	3.96		mg/l	0.500	0.114	1	-	01/06/22 04:29	121,5310C	DW



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-07
Client ID: OW-4/MW-28-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 10:50
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	20.		mg/l	10	2.7	1	01/05/22 18:00	01/05/22 21:10	44,410.4	TL
Total Organic Carbon	0.640		mg/l	0.500	0.114	1	-	01/06/22 04:29	121,5310C	DW



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-08
Client ID: OW-5-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 10:25
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chemical Oxygen Demand	25.		mg/l	10	2.7	1	01/05/22 18:00	01/05/22 21:10	44,410.4	TL
Total Organic Carbon	0.540		mg/l	0.500	0.114	1	-	01/06/22 04:29	121,5310C	DW



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-09
Client ID: MW0610-01-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 12:35
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	270.		mg CaCO3/L	2.00	NA	1	-	01/04/22 04:37	121,2320B	MR
Nitrogen, Nitrate	0.033	J	mg/l	0.10	0.023	1	-	12/23/21 05:47	44,353.2	MR
Chemical Oxygen Demand	200		mg/l	100	27.	10	01/05/22 18:00	01/05/22 21:10	44,410.4	TL
BOD, 5 day	ND		mg/l	10	NA	5	12/23/21 08:38	12/28/21 06:20	121,5210B	MT
Total Organic Carbon	1.19	J	mg/l	2.00	0.456	4	-	01/06/22 04:29	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	3150		mg/l	50.0	8.39	100	-	01/02/22 14:16	44,300.0	SH
Sulfate	196.		mg/l	100	45.4	100	-	01/02/22 14:16	44,300.0	SH



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-10
Client ID: MW0811-01-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 12:50
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	364.		mg CaCO3/L	2.00	NA	1	-	01/04/22 04:37	121,2320B	MR
Nitrogen, Nitrate	0.14		mg/l	0.10	0.023	1	-	12/23/21 05:48	44,353.2	MR
Chemical Oxygen Demand	310		mg/l	100	27.	10	01/05/22 18:00	01/05/22 21:11	44,410.4	TL
BOD, 5 day	20.		mg/l	6.0	NA	3	12/23/21 08:38	12/28/21 06:20	121,5210B	MT
Total Organic Carbon	3.11		mg/l	2.00	0.456	4	-	01/06/22 04:29	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	1330		mg/l	50.0	8.39	100	-	01/02/22 14:27	44,300.0	SH
Sulfate	734.		mg/l	100	45.4	100	-	01/02/22 14:27	44,300.0	SH



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170305-11
Client ID: MW-63-122121
Sample Location: PALMYRA, NY

Date Collected: 12/21/21 13:10
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	342.		mg CaCO3/L	2.00	NA	1	-	01/04/22 04:37	121,2320B	MR
Nitrogen, Nitrate	0.044	J	mg/l	0.10	0.023	1	-	12/23/21 05:49	44,353.2	MR
Chemical Oxygen Demand	69.		mg/l	10	2.7	1	01/05/22 18:00	01/05/22 21:11	44,410.4	TL
BOD, 5 day	ND		mg/l	2.0	NA	1	12/23/21 08:38	12/28/21 06:20	121,5210B	MT
Total Organic Carbon	0.600	J	mg/l	2.00	0.456	4	-	01/06/22 04:29	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	3350		mg/l	50.0	8.39	100	-	01/02/22 14:38	44,300.0	SH
Sulfate	742.		mg/l	100	45.4	100	-	01/02/22 14:38	44,300.0	SH



Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03,09-11 Batch: WG1587009-1										
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	12/23/21 05:33	44,353.2	MR
General Chemistry - Westborough Lab for sample(s): 01-03,09-11 Batch: WG1587084-1										
BOD, 5 day	ND		mg/l	2.0	NA	1	12/23/21 08:38	12/28/21 06:20	121,5210B	MT
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1589581-1										
Alkalinity, Total	ND		mg CaCO ₃ /L	2.00	NA	1	-	01/02/22 08:04	121,2320B	MR
Anions by Ion Chromatography - Westborough Lab for sample(s): 01-03,09-11 Batch: WG1589693-1										
Chloride	0.209	J	mg/l	0.500	0.083	1	-	01/02/22 11:54	44,300.0	SH
Anions by Ion Chromatography - Westborough Lab for sample(s): 01-03,09-11 Batch: WG1589693-1										
Sulfate	ND		mg/l	1.00	0.454	1	-	01/02/22 11:54	44,300.0	SH
General Chemistry - Westborough Lab for sample(s): 09-11 Batch: WG1590165-1										
Alkalinity, Total	ND		mg CaCO ₃ /L	2.00	NA	1	-	01/04/22 04:37	121,2320B	MR
General Chemistry - Westborough Lab for sample(s): 01-11 Batch: WG1590970-1										
Chemical Oxygen Demand	ND		mg/l	10	2.7	1	01/05/22 18:00	01/05/22 21:07	44,410.4	TL
General Chemistry - Westborough Lab for sample(s): 01-11 Batch: WG1591316-1										
Total Organic Carbon	ND		mg/l	0.500	0.114	1	-	01/06/22 04:29	121,5310C	DW

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,09-11 Batch: WG1587009-2								
Nitrogen, Nitrate	102		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03,09-11 Batch: WG1587084-2								
BOD, 5 day	90		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1589581-2								
Alkalinity, Total	105		-		90-110	-		10
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-03,09-11 Batch: WG1589693-2								
Chloride	101		-		90-110	-		
Sulfate	96		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 09-11 Batch: WG1590165-2								
Alkalinity, Total	106		-		90-110	-		10
General Chemistry - Westborough Lab Associated sample(s): 01-11 Batch: WG1590970-2								
Chemical Oxygen Demand	102		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-11 Batch: WG1591316-2								
Total Organic Carbon	95		-		90-110	-		

Matrix Spike Analysis **Batch Quality Control**

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,09-11 QC Batch ID: WG1587009-4 QC Sample: L2170305-01 Client ID: MW0610-4-122121												
Nitrogen, Nitrate	ND	4	4.4	110		-	-		83-113	-		6
General Chemistry - Westborough Lab Associated sample(s): 01-03,09-11 QC Batch ID: WG1587084-4 QC Sample: L2170305-03 Client ID: MW0811-02-122121												
BOD, 5 day	ND	100	120	115		-	-		50-145	-		35
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1589581-4 QC Sample: L2170453-01 Client ID: MS Sample												
Alkalinity, Total	284.	100	387	103		-	-		86-116	-		10
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-03,09-11 QC Batch ID: WG1589693-3 QC Sample: L2170305-03 Client ID: MW0811-02-122121												
Chloride	531.	100	643	112	Q	-	-		90-110	-		18
Sulfate	91.2	200	297	103		-	-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 09-11 QC Batch ID: WG1590165-4 QC Sample: L2170453-11 Client ID: MS Sample												
Alkalinity, Total	352.	100	464	112		-	-		86-116	-		10
General Chemistry - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG1590970-3 QC Sample: L2170305-01 Client ID: MW0610-4-122121												
Chemical Oxygen Demand	62.	47.6	91	61	Q	-	-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG1591316-4 QC Sample: L2170305-01 Client ID: MW0610-4-122121												
Total Organic Carbon	3.53	16	16.6	82		-	-		80-120	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,09-11 QC Batch ID: WG1587009-3 QC Sample: L2170305-01 Client ID: MW0610-4-122121						
Nitrogen, Nitrate	ND	ND	mg/l	NC		6
General Chemistry - Westborough Lab Associated sample(s): 01-03,09-11 QC Batch ID: WG1587084-3 QC Sample: L2170305-03 Client ID: MW0811-02-122121						
BOD, 5 day	ND	ND	mg/l	NC		35
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1589581-3 QC Sample: L2170453-01 Client ID: DUP Sample						
Alkalinity, Total	284.	280	mg CaCO3/L	1		10
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-03,09-11 QC Batch ID: WG1589693-4 QC Sample: L2170305-03 Client ID: MW0811-02-122121						
Chloride	531.	535	mg/l	1		18
Sulfate	91.2	92.5	mg/l	1		20
General Chemistry - Westborough Lab Associated sample(s): 09-11 QC Batch ID: WG1590165-3 QC Sample: L2170453-11 Client ID: DUP Sample						
Alkalinity, Total	352.	347	mg CaCO3/L	1		10
General Chemistry - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG1590970-4 QC Sample: L2170305-01 Client ID: MW0610-4-122121						
Chemical Oxygen Demand	62.	58	mg/l	7		20
General Chemistry - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG1591316-3 QC Sample: L2170305-01 Client ID: MW0610-4-122121						
Total Organic Carbon	3.53	2.39	mg/l	39	Q	20

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305**Report Date:** 01/07/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2170305-01A	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-01B	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-01C	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-01D	Vial H2SO4 preserved	B	NA		4.9	Y	Absent		TOC-5310(28)
L2170305-01E	Vial H2SO4 preserved	B	NA		4.9	Y	Absent		TOC-5310(28)
L2170305-01F	20ml Vial HCl preserved	B	NA		4.9	Y	Absent		DISSGAS(14)
L2170305-01G	20ml Vial HCl preserved	B	NA		4.9	Y	Absent		DISSGAS(14)
L2170305-01H	Plastic 250ml unpreserved/No Headspace	A	NA		2.5	Y	Absent		ALK-T-2320(14)
L2170305-01I	Plastic 250ml HNO3 preserved	A	<2	<2	2.5	Y	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)
L2170305-01J	Plastic 250ml H2SO4 preserved	A	<2	<2	2.5	Y	Absent		COD-410-LOW(28)
L2170305-01K	Plastic 950ml unpreserved	A	7	7	2.5	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2170305-02A	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-02B	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-02C	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-02D	Vial H2SO4 preserved	B	NA		4.9	Y	Absent		TOC-5310(28)
L2170305-02E	Vial H2SO4 preserved	B	NA		4.9	Y	Absent		TOC-5310(28)
L2170305-02F	20ml Vial HCl preserved	B	NA		4.9	Y	Absent		DISSGAS(14)
L2170305-02G	20ml Vial HCl preserved	B	NA		4.9	Y	Absent		DISSGAS(14)
L2170305-02H	Plastic 250ml unpreserved/No Headspace	A	NA		2.5	Y	Absent		ALK-T-2320(14)
L2170305-02I	Plastic 250ml HNO3 preserved	A	<2	<2	2.5	Y	Absent		FE-6020T(180),MN-6020T(180),MG-6020T(180),HARDT-6020(180)
L2170305-02J	Plastic 250ml H2SO4 preserved	A	<2	<2	2.5	Y	Absent		COD-410-LOW(28)

Project Name: GARLOCK
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2170305-02K	Plastic 950ml unpreserved	A	7	7	2.5	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2170305-03A	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-03B	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-03C	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-03D	Vial H2SO4 preserved	B	NA		4.9	Y	Absent		TOC-5310(28)
L2170305-03E	Vial H2SO4 preserved	B	NA		4.9	Y	Absent		TOC-5310(28)
L2170305-03F	20ml Vial HCl preserved	B	NA		4.9	Y	Absent		DISSGAS(14)
L2170305-03G	20ml Vial HCl preserved	B	NA		4.9	Y	Absent		DISSGAS(14)
L2170305-03H	Plastic 250ml unpreserved/No Headspace	A	NA		2.5	Y	Absent		ALK-T-2320(14)
L2170305-03I	Plastic 250ml HNO3 preserved	A	<2	<2	2.5	Y	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)
L2170305-03J	Plastic 250ml H2SO4 preserved	A	<2	<2	2.5	Y	Absent		COD-410-LOW(28)
L2170305-03K	Plastic 950ml unpreserved	A	7	7	2.5	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2170305-04A	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-04B	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-04C	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-04D	Vial H2SO4 preserved	B	NA		4.9	Y	Absent		TOC-5310(28)
L2170305-04E	Vial H2SO4 preserved	B	NA		4.9	Y	Absent		TOC-5310(28)
L2170305-04F	Plastic 250ml H2SO4 preserved	A	<2	<2	2.5	Y	Absent		COD-410-LOW(28)
L2170305-05A	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-05B	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-05C	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-05D	Vial H2SO4 preserved	B	NA		4.9	Y	Absent		TOC-5310(28)
L2170305-05E	Vial H2SO4 preserved	B	NA		4.9	Y	Absent		TOC-5310(28)
L2170305-05F	Plastic 250ml H2SO4 preserved	A	<2	<2	2.5	Y	Absent		COD-410-LOW(28)
L2170305-06A	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-06B	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-06C	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2170305-06D	Vial H2SO4 preserved	B	NA		4.9	Y	Absent		TOC-5310(28)
L2170305-06E	Vial H2SO4 preserved	B	NA		4.9	Y	Absent		TOC-5310(28)
L2170305-06F	Plastic 250ml H2SO4 preserved	A	<2	<2	2.5	Y	Absent		COD-410-LOW(28)
L2170305-07A	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-07B	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-07C	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-07D	Vial H2SO4 preserved	B	NA		4.9	Y	Absent		TOC-5310(28)
L2170305-07E	Vial H2SO4 preserved	B	NA		4.9	Y	Absent		TOC-5310(28)
L2170305-07F	Plastic 250ml H2SO4 preserved	A	<2	<2	2.5	Y	Absent		COD-410-LOW(28)
L2170305-08A	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-08B	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-08C	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-08D	Vial H2SO4 preserved	B	NA		4.9	Y	Absent		TOC-5310(28)
L2170305-08E	Vial H2SO4 preserved	B	NA		4.9	Y	Absent		TOC-5310(28)
L2170305-08F	Plastic 250ml H2SO4 preserved	A	<2	<2	2.5	Y	Absent		COD-410-LOW(28)
L2170305-09A	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-09B	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-09C	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-09D	Vial H2SO4 preserved	B	NA		4.9	Y	Absent		TOC-5310(28)
L2170305-09E	Vial H2SO4 preserved	B	NA		4.9	Y	Absent		TOC-5310(28)
L2170305-09F	20ml Vial HCl preserved	B	NA		4.9	Y	Absent		DISSGAS(14)
L2170305-09G	20ml Vial HCl preserved	B	NA		4.9	Y	Absent		DISSGAS(14)
L2170305-09H	Plastic 250ml unpreserved/No Headspace	A	NA		2.5	Y	Absent		ALK-T-2320(14)
L2170305-09I	Plastic 250ml HNO3 preserved	A	<2	<2	2.5	Y	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)
L2170305-09J	Plastic 250ml H2SO4 preserved	A	<2	<2	2.5	Y	Absent		COD-410-LOW(28)
L2170305-09K	Plastic 950ml unpreserved	A	7	7	2.5	Y	Absent		SO4-300(28),CL-300(28),NO3-353(2),BOD-5210(2)
L2170305-10A	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-10B	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2170305-10C	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-10D	Vial H2SO4 preserved	B	NA		4.9	Y	Absent		TOC-5310(28)
L2170305-10E	Vial H2SO4 preserved	B	NA		4.9	Y	Absent		TOC-5310(28)
L2170305-10F	20ml Vial HCl preserved	B	NA		4.9	Y	Absent		DISSGAS(14)
L2170305-10G	20ml Vial HCl preserved	B	NA		4.9	Y	Absent		DISSGAS(14)
L2170305-10H	Plastic 250ml unpreserved/No Headspace	A	NA		2.5	Y	Absent		ALK-T-2320(14)
L2170305-10I	Plastic 250ml HNO3 preserved	A	<2	<2	2.5	Y	Absent		FE-6020T(180),MN-6020T(180),MG-6020T(180),HARDT-6020(180)
L2170305-10J	Plastic 250ml H2SO4 preserved	A	<2	<2	2.5	Y	Absent		COD-410-LOW(28)
L2170305-10K	Plastic 950ml unpreserved	A	7	7	2.5	Y	Absent		SO4-300(28),CL-300(28),NO3-353(2),BOD-5210(2)
L2170305-11A	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-11B	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-11C	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-11D	Vial H2SO4 preserved	B	NA		4.9	Y	Absent		TOC-5310(28)
L2170305-11E	Vial H2SO4 preserved	B	NA		4.9	Y	Absent		TOC-5310(28)
L2170305-11F	20ml Vial HCl preserved	B	NA		4.9	Y	Absent		DISSGAS(14)
L2170305-11G	20ml Vial HCl preserved	B	NA		4.9	Y	Absent		DISSGAS(14)
L2170305-11H	Plastic 250ml unpreserved/No Headspace	A	NA		2.5	Y	Absent		ALK-T-2320(14)
L2170305-11I	Plastic 250ml HNO3 preserved	A	<2	<2	2.5	Y	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)
L2170305-11J	Plastic 250ml H2SO4 preserved	A	<2	<2	2.5	Y	Absent		COD-410-LOW(28)
L2170305-11K	Plastic 950ml unpreserved	A	7	7	2.5	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2170305-12A	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-12B	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-12C	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-13A	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-13B	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-13C	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-14A	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2170305-14B	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-14C	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-15A	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-15B	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-15C	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-16A	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-16B	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-16C	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-17A	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-17B	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-17C	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-18A	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2170305-18B	Vial HCl preserved	B	NA		4.9	Y	Absent		NYTCL-8260-R2(14)

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GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



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Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: GARLOCK
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Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: GARLOCK
Project Number: 8615140-2101

Lab Number: L2170305
Report Date: 01/07/22

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.
- 117 Technical Guidance for the Natural Attenuation Indicators: Methane, Ethane, and Ethene, EPA-NE, Revision 1, February 21, 2002 and Sample Preparation & Calculations for Dissolved Gas Analysis in Water Samples using a GC Headspace Equilibration Technique, EPA RSKSOP-175, Revision 2, May 2004.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA LABORATORY		NEW YORK CHAIN OF CUSTODY		Service Centers Mahwah, NJ 07430: 35 Whitney Rd., Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave., Suite 105		Page 1 of 1		Date Rec'd in Lab 12/22/21		ALPHA Job # 62170305				
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-896-9193		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information				Deliverables				Billing Information		
				Project Name: Garlock Carbon Tet. Area				☐ ASP-A ☒ ASP-B				☐ Same as Client Info		
				Project Location: Palmyra NY				☐ EQUIS (1 File) ☒ EQUIS (4 File)				PO #		
				Project #: B01540-2101				☐ Other						
Client Information				(Use Project name as Project #) ☐				Regulatory Requirement				Disposal Site Information		
Client: GHD				Project Manager: Melissa Deyo				☒ NY TOGS ☐ NY Part 375				Please identify below location of applicable disposal facilities.		
Address One Remington Park Drive Cazenovia NY				ALPHAQuote #:				☐ AWQ Standards ☐ NY CP-51				Disposal Facility:		
Phone: 315-679-5732				Turn-Around Time				☐ NY Restricted Use ☐ Other				☐ NJ ☐ NY		
Fax:				Standard ☒ Due Date:				☐ NY Unrestricted Use				☐ Other:		
Email: Jan. McNamara @ Ghd.com				Rush (only if pre approved) ☐ # of Days:				☐ NYC Sewer Discharge						
These samples have been previously analyzed by Alpha ☒								ANALYSIS				Sample Filtration		
Other project specific requirements/comments: Metals Fe, Mg, Mn								TCL VOCs TOC COD BOD, Cl, SO ₄ , NO ₃ Aik Diss Gases T.Metals/Hardness				☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)		
Please specify Metals or TAL.														
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection		Sample Matrix		Sampler's Initials				Total Bottle Line		
Date	Time													
12/21/21	0920	GW	SG	X	X	X	X	X	X	X	X			
12/21/21	0950	GW	SG	X	X	X	X	X	X	X	X			
12/21/21	0850	GW	SG	X	X	X	X	X	X	X	X			
[Signature]												(DIT)		
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type		V	V	P	P	P	V	P
						Preservative		B	D	D	A	A	B	C
Relinquished By: [Signature] SECURE STORAGE AAL		Date/Time: 12/21/21 0950		Received By: SECURE STORAGE AAL		Date/Time: 12/21/21 0950								
RCunningham AAL		12/21/21 17:45		RCunningham AAL		12/21/21 17:45								
		12/21/21 17:45				12/22/21 0030								
Form No: 01-25 HC (rev. 30-Sept-2013)														

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page <u>1</u> of <u>1</u>		Date Rec'd in Lab <u>12/22/21</u>		ALPHA Job # <u>L217 0305</u>	
		Project Information Project Name: <u>Garlock AOC - 2</u> Project Location: <u>Palmyra NY</u> Project # <u>8615140-2101</u> (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☒ ASP-B ☐ EQuIS (1 File) ☒ EQuIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #			
Client Information Client: <u>GHD</u> Address: <u>One Remington Park Drive Cazenovia NY</u> Phone: <u>315-679-5732</u> Fax: Email: <u>Tan.McNamara@GHD.COM</u>		Project Manager: <u>Melissa Deyo</u> ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Regulatory Requirement ☒ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:			
These samples have been previously analyzed by Alpha ☒ Other project specific requirements/comments:						ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do ☐ Preservation ☐ Lab to do (Please Specify below)	
Please specify Metals or TAL.						TOTAL		BOTTLE	
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date Time		Sample Matrix	Sampler's Initials	TCL VOCs	TOC	COD	
<u>70305 241</u>	<u>GW-1-122121</u>	<u>12/21/21</u>	<u>1025</u>	<u>GW</u>	<u>SG</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>05</u>	<u>GW-2/MW-41-122121</u>	<u>12/21/21</u>	<u>1050</u>	<u>GW</u>	<u>SG</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>06</u>	<u>GW-3/AOC-2-122121</u>	<u>12/21/21</u>	<u>1110</u>	<u>GW</u>	<u>SG</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>07</u>	<u>GW-4/MW-28-122121</u>	<u>12/21/21</u>	<u>1050</u>	<u>GW</u>	<u>DJT</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>08</u>	<u>GW-5-122121</u>	<u>12/21/21</u>	<u>1025</u>	<u>GW</u>	<u>DJT</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>DJT</u>									
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
Relinquished By: <u>Dan S. [Signature]</u>		Date/Time: <u>12/21/21 1110</u>		Received By: <u>SECURE STORAGE AAL</u>		Date/Time: <u>12/21/21 1110</u>			
<u>SECURE STORAGE AAL</u>		<u>12/21/21 17:45</u>		<u>R. Cunningham AAL</u>		<u>12/21/21 17:45</u>			
<u>R. Cunningham AAL</u>		<u>12/21/21 17:45</u>		<u>[Signature]</u>		<u>12/22/21 0030</u>			

[illegible]

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page <u>1</u> of <u>1</u>		Date Rec'd in Lab <u>12/22/21</u>		ALPHA Job # <u>L2170305</u>	
Client Information Client: <u>GHD</u> Address: <u>One Remington Park Drive Cazenovia NY</u> Phone: <u>315-679-5732</u> Fax: <u></u> Email: <u>Jan.Meremag@ghd.com</u>		Project Information Project Name: <u>Gardlock AOC-3/AOC-4; Tolbene Area</u> Project Location: <u>Palmira NY</u> Project # <u>86015146-2101</u> (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☒ ASP-B ☐ EquiS (1 File) ☒ EquiS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #			
		Project Manager: <u>Melissa Dayo</u> ALPHAQuote #: <u></u> Turn-Around Time Standard ☒ Due Date: <u></u> Rush (only if pre approved) ☐ # of Days: <u></u>		Regulatory Requirement ☒ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:			
These samples have been previously analyzed by Alpha ☒ Other project specific requirements/comments:						ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)	
Please specify Metals or TAL.						TCL VOCs		Total Bottles	
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials				
		Date	Time						
<u>70305-12</u>	<u>MW0512-01-122121</u>	<u>12/21/21</u>	<u>1205</u>	<u>GW</u>	<u>SG</u>	<u>X</u>			
<u>13</u>	<u>MW0512-02-122121</u>	<u>12/21/21</u>	<u>1130</u>	<u>GW</u>	<u>SG</u>	<u>X</u>			
<u>14</u>	<u>MW0911-01-122121</u>	<u>12/21/21</u>	<u>1205</u>	<u>GW</u>	<u>DJT</u>	<u>X</u>			
<u>15</u>	<u>MW0911-02-122121</u>	<u>12/21/21</u>	<u>1140</u>	<u>GW</u>	<u>DJT</u>	<u>X</u>			
<u>16</u>	<u>FW-1-122121</u>	<u>12/21/21</u>	<u>0900</u>	<u>GW</u>	<u>DJT</u>	<u>X</u>			
<u>17</u>	<u>IW-2-122121</u>	<u>12/21/21</u>	<u>0930</u>	<u>GW</u>	<u>DJT</u>	<u>X</u>			
<u>18</u>	<u>Tripblank-122121</u>	<u>12/21/21</u>		<u>TB</u>		<u>X</u>			
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other						Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015	
				Container Type <u>V</u>					
				Preservative <u>B</u>					
Relinquished By: <u>Daniel Lyan</u>		Date/Time: <u>12/21/21 13:13</u>		Received By: <u>SECURE STORAGE AAL</u>		Date/Time: <u>12/21/21 13:13</u>		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
<u>SECURE STORAGE AAL</u>		<u>12/21/21 17:45</u>		<u>RCunningham AAL</u>		<u>12/21/21 17:45</u>			
<u>RCunningham AAL</u>		<u>12/21/21 17:45</u>		<u></u>		<u>12/22/21 00:30</u>			

Attachment D

NYSDEC EQulS Approvals

From: dec.sm.NYENVDATA
To: [Ian McNamara](#)
Cc: [Cloyd, Kelly \(DEC\)](#)
Subject: RE: EDDs for Garlock Site No. 3 BCP Site (#C859028) - 1st Qtr 2021 GW Sampling
Date: Friday, June 18, 2021 2:49:38 PM
Attachments: [image006.png](#)
[image007.png](#)
[image008.png](#)
[image009.png](#)
[image010.png](#)
[image011.png](#)

Ian,

Thank you for your EDD submission. NYSDEC has successfully uploaded the data from the EDDs "20210525 1228.C859028.NYSDEC_MERGE" and "20210525 1232.C859028.NYSDEC_MERGE" to Garlock Sealing Technologies Site No. 3 in the NYSDEC database and the data is available for use within the system.

Aaron
(he/him/his)
NYSDEC EIMS Team



Department of
Environmental
Conservation

From: Ian McNamara <Ian.McNamara@ghd.com>
Sent: Tuesday, May 25, 2021 12:35 PM
To: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Cc: Cloyd, Kelly (DEC) <kelly.cloyd@dec.ny.gov>
Subject: EDDs for Garlock Site No. 3 BCP Site (#C859028) - 1st Qtr 2021 GW Sampling

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hello,

Two EDDs are attached for the above referenced project. These EDDs include field results and groundwater analytical results associated with the 1st Quarter 2021 groundwater sampling conducted at the site.

Please let me know if any edits are required or if the EDDs are acceptable.

Thanks,
Ian

IAN MCNAMARA
Geologist

GHD

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5788 Widewaters Pkwy Syracuse New York 13214 USA

D 315 802 0312 **M** 315 368 8432 **E** ian.mcnamara@ghd.com

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From: dec.sm.NYENVDATA
To: [Ian McNamara](#)
Cc: [Cloyd, Kelly \(DEC\)](#)
Subject: RE: EDDs for Garlock Site No. 3 BCP Site (#C859028) - 2nd Qtr 2021 GW Sampling
Date: Monday, November 29, 2021 3:56:27 PM
Attachments: [image006.png](#)
[image007.png](#)
[image008.png](#)
[image009.png](#)
[image010.png](#)
[image011.png](#)

Ian,

Thank you for your EDD submission. NYSDEC has successfully uploaded the data from the EDDs "20210914 1429.C859028.NYSDEC_MERGE" and "20210914 1431.C859028.NYSDEC_MERGE" to Garlock Sealing Technologies Site No. 3 in the NYSDEC database and the data is available for use within the system.

Aaron
(he/him/his)
NYSDEC EIMS Team



Department of
Environmental
Conservation

From: Ian McNamara <Ian.McNamara@ghd.com>
Sent: Thursday, September 30, 2021 9:42 AM
To: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Cc: Cloyd, Kelly (DEC) <kelly.cloyd@dec.ny.gov>
Subject: EDDs for Garlock Site No. 3 BCP Site (#C859028) - 2nd Qtr 2021 GW Sampling

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Hello,

Two EDDs are attached for the above referenced project. These EDDs include field results and groundwater analytical results associated with the 2nd Quarter 2021 groundwater sampling conducted at the site in June.

Please let me know if any edits are required or if the EDDs are acceptable.

Thanks,
Ian

Ian McNamara (he/him)
Geologist

GHD

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5788 Widewaters Parkway Syracuse New York 13214 USA

D 315 802 0312 | **M** 315 368 8432 | **E** ian.mcnamara@ghd.com

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From: dec.sm.NYENVDATA
To: [Ian McNamara](#)
Cc: [Cloyd, Kelly \(DEC\)](#)
Subject: RE: EDDs for Garlock Site No. 3 BCP Site (#C859028) - 3rd Qtr 2021 GW Sampling
Date: Tuesday, January 11, 2022 4:39:50 PM
Attachments: [image006.png](#)
[image007.png](#)
[image008.png](#)
[image009.png](#)
[image010.png](#)
[image011.png](#)

Ian,

Thank you for your EDD submission. NYSDEC has successfully uploaded the data from the EDDs "20211021 1040.C859028.NYSDEC_MERGE" and "20211021 1101.C859028.NYSDEC_MERGE" to Garlock Sealing Technologies Site No. 3 in the NYSDEC database and the data is available for use within the system.

Aaron
NYSDEC EIMS Team



Department of
Environmental
Conservation

From: Ian McNamara <Ian.McNamara@ghd.com>
Sent: Friday, November 19, 2021 10:51 AM
To: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Cc: Cloyd, Kelly (DEC) <kelly.cloyd@dec.ny.gov>
Subject: EDDs for Garlock Site No. 3 BCP Site (#C859028) - 3rd Qtr 2021 GW Sampling

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Hello,

Two EDDs are attached for the above referenced project. These EDDs include field results and groundwater analytical results associated with the 3rd Quarter 2021 groundwater sampling conducted at the site in September.

Please let me know if any edits are required or if the EDDs are acceptable.

Thanks,
Ian

Ian McNamara (he/him)
Geologist

GHD

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5788 Widewaters Parkway Syracuse New York 13214 USA

D 315 802 0312 | **M** 315 368 8432 | **E** ian.mcnamara@ghd.com

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