



Annual Groundwater Monitoring Report - 2022

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

Garlock Sealing Technologies

May 15, 2023

➔ The Power of Commitment



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1. Introduction

This report summarizes laboratory analytical results of quarterly groundwater monitoring events completed in 2022 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 2022. 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 - December 2022 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: Klosures 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 2022 monitoring activities.

1.4 Groundwater Monitoring Schedule and Required Analysis

Through the December 2022 monitoring event, the NYSDEC-approved monitoring schedule and required analytical list was consistent with that presented in Exhibit 1-1 below and was generally followed during the monitoring events discussed in this report. Based on review of historical analytical results, requests to modify the sampling and analysis requirements were periodically made to the NYSDEC, with the most recent requests being included in the 2021 Annual Report and the 2022 Periodic Review Report for Site No. 3. The majority of these requests were approved by NYSDEC in a letter dated January 24, 2023 (see additional discussion in Section 5 of this report).

Exhibit 1-1 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

Area of Concern (AOC)	Current Sampling Frequency	Revised Monitoring Locations (as approved by NYSDEC)	Required Analysis
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. 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 2022 groundwater monitoring event, which represents the most recent event where groundwater elevations were measured at all sampled monitoring wells in each of the AOCs (since AOC-1 is only sampled annually at this time), 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 overall 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 the September 2022 groundwater monitoring event, an additional six (6) samples were taken from the AOC-1 groundwater monitoring wells identified in Table 1. Groundwater sampling activities during 2022 were conducted by GHD Consulting Services Inc., as follows:

- 1st Quarter – March 29, 2022
- 2nd Quarter – June 28, 2022
- 3rd Quarter – September 27, 2022
- 4th Quarter – December 20, 2022

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 taken and analyzed during 2022 are included in Exhibit 1-1.

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 included as 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 2022 analytical results to NYSDEC in their required EQUIS EDD format; available NYSDEC approvals received to date are included in Attachment D. Laboratory analytical results were also transmitted quarterly to NYSDEC in PDF format (with the 4th quarter 2022 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 2022. The contaminants of concern (COCs) in this area are TCE, DCE, VC, and toluene.

It is noted that during a previous monitoring event, 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, samples can no longer be obtained from OW-2 and, since the adjacent down gradient monitoring points (PTOW1-1, OW-6/MW-3, and OW-7/MW-27) are capable of providing groundwater monitoring for the area, it was recommended that monitoring well OW-2 be decommissioned in the 2021 Annual Report (GHD, May 3, 2022) and in the 2022 PRR (GHD, June 30, 2022). Decommissioning of OW-2 was approved by NYSDEC (January 24, 2023 letter); however, additional information of groundwater flow and well construction details in the area was requested to be added to this report (See Attachment E). NYSDEC will review the additional detail and determine if additional steps are necessary. Site groundwater monitoring well OW-2 will be decommissioned during 2023 in accordance with 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 were 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 2022) identified TCE at a concentration of 0.70 ug/L. Recently, TCE concentrations in samples from OW-6/MW-3 have fluctuated between non-detect above the laboratory method detection limit to low level detections, with identified

concentrations not exceeding the regulatory standard since the September 2015 monitoring event. 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 2022 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 2022, have indicated exceedances of the standard for VC with a slight increasing trend generally developing. Overall, VC concentrations have decreased from a high of 54 ug/L (March 2009), to fluctuations between non-detect to less than 2.2 ug/L from February 2011 through September 2015, and have since generally increased to a high of 7.9 ug/L (September 2020 and September 2021) and then slightly decreased to 6.6 ug/L (September 2022). Concentrations will continue to be monitored to see if the reductions continue or if more definitive trends emerge.
- OW-4 – No analytes for VOCs have been detected above regulatory standards since the fall of 2014. In the September 2022 sample taken from this well, VC, acetone, carbon tetrachloride, and cyclohexane were the only analytes detected above laboratory method detection limits. VC was flagged as an estimated concentration by the laboratory at 0.81 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 detected at 5.1 ug/L, which is below the regulatory standard of 50 ug/L, and generally consistent with historical periodic detections. Carbon tetrachloride was flagged as an estimated concentration by the laboratory at 0.19 ug/L, below the regulatory standard of 5 ug/L. Cyclohexane does not have a regulatory standard established, concentrations are identifying a generally decreasing trend since March 2013, and concentrations are generally identified as estimated concentrations by the laboratory.
- 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 2022 results identified a DCE concentration of 58 ug/L and a VC concentration of 60 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 15 ug/L (September 2022). 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 2022, 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 56 ug/L (September 2022), 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 2022 monitoring event, were at a concentration of 5.5 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. VC, estimated concentration of 0.28 ug/L, was the only chlorinated VOC detected in this sample during the September 2022 monitoring event.

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, mainly degradation by-products 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 2022 monitoring events were:

Exhibit 4-2 *Maximum Concentrations of COCs during 2022 Monitoring Events*

Analyte	OW-1	OW-2/MW-41	OW-3	OW-4/MW-28	OW-5
TCE	0.30 ug/L (June)	5.7 ug/L (March)	Non-Detect	0.68 ug/L (March)	Non-Detect
DCE	2.1 ug/L (December)	1,800 ug/L (June)	1,500 ug/L (June and September)	31 ug/L (March)	10 ug/L (March)
VC	8.1 ug/L (December)	1,100 ug/L (September and December)	6,000 ug/L (September)	320 ug/L (March)	130 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 2022 samples varying from 2.0 ug/L (March, equal to the groundwater standard) to 8.1 ug/L (December, 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 – 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 since June 2020 have been fluctuating and are typically below the regulatory standard, with periodic exceedances in the June 2020, March 2021, and March 2022 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 DCE, VC, trans-1,2-dichloroethene, 1,1-dichloroethane, and 1,1-dichloroethene. TCE concentrations have decreased over time and have not been detected at concentrations above the groundwater standard, and generally non-detect, since March 2021. DCE and VC concentrations remain more stable or even slightly increase after the initial post-injection decreases, which can be expected based on the sequential degradation of these compounds. Carbon disulfide was detected for the first time since 2014 at 68 ug/L (above the regulatory standard of 60 ug/L); this concentration was only detected during the September 2022 sampling event and appears to be transient in nature. Overall, groundwater quality in the vicinity of OW-3 appears to be remaining stable and will continue to be monitored for trends during future events.
- 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 of COCs 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 2022 are as follows:

Exhibit 4-5 Maximum Concentrations of COCs during 2022 Monitoring Events

Analyte	Well ID	Concentration (µg/L)	Date Sampled
TCE	MW0512-02	120	March
	MW0911-02	11	March
DCE	MW0512-02	6,400	June
	MW0911-02	1,100	June
VC	MW0512-02	6,800	September
	MW0911-02	990	June
Toluene	MW0512-02	1,200	June
	MW0911-02	3,400	June

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, which were reported in the 3rd Quarter 2018 Groundwater Monitoring Results letter report (GHD, November 5, 2018), appeared to support the assumption that migration of COCs downgradient of the AOC is limited and the qualitative exposure assessment assumptions regarding on-Site and off-Site contamination have not changed and are still valid. Laboratory analytical results from these wells will continue to 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

Analyte	MW0911-01
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 2022 are as follows:

Exhibit 4-8 Maximum Concentrations of COCs during 2022 Monitoring Events

Analyte	Concentration (µg/L)	Well ID	Date Sampled
PCE	ND	MW0512-01	All Rounds
	ND	MW0911-01	All Rounds
TCE	110	MW0512-01	March
	52	MW0911-01	September
DCE	52,000	MW0512-01	December
	3,600	MW0911-01	September
VC	1,900	MW0512-01	December
	740	MW0911-01	September
Toluene	4,700	MW0512-01	June
	ND	MW0911-01	All Rounds
Xylene	1,370	MW0512-01	June
	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, which were reported in the 3rd Quarter 2018 Groundwater Monitoring Results letter report (GHD, November 5, 2018), appeared to support the assumption that migration of COCs downgradient of the AOC is limited and the qualitative exposure assessment assumptions regarding on-Site and off-Site contamination have not changed and are still valid. 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 beneath 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 2.8 ug/L in December 2022 (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 150 ug/L in December 2022 (a 94% decrease) and in groundwater samples taken from MW0811-01 from 6,300 ug/L in August 2011 to 270 ug/L in December 2022 (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 85 ug/L in December 2022. 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 160 ug/L in December 2022 (a 74% decrease). Over the same time period, VC concentrations in samples taken from MW0811-01 and MW-63 have increased but are remaining generally stable or slightly increasing during recent monitoring events, 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). Since remedial actions were completed in 2011, carbon tetrachloride has only been detected above laboratory method detection limits in two samples taken from one of the AOC wells, MW0811-02. Identified concentrations were 0.21 ug/L in April 2018 (flagged as an estimated value by the laboratory) and 0.57 ug/L in March 2022, both of which are well below the regulatory standard of 5 ug/L.

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 2022, 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 (with the exception of DCE in December 2022) 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 the sample from each well).

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 2022), toluene concentrations identified in these groundwater monitoring wells are 22 ug/L (a 99.9% reduction) and non-detect (a 99.9% reduction if the current laboratory detection limit is used in the calculation), respectively. Other VOCs detected in groundwater samples taken from these monitoring wells during the 2022 sampling events that exceed applicable groundwater standards include:

Exhibit 4-9 Concentrations of COCs during 2022 Monitoring Events

Well	Analyte	Concentration (ug/L)	Date Sampled
IW-1	VC	4.6	March
		2.4	June
IW-1	Benzene	13	March
		12	June
		12	September
		8.4	December
IW-2	VC	17	March
		35	June
		25	September
		15	December
IW-2	Benzene	10	March
		4.7	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 be 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 2022 monitoring event since the well was found to be extensively damaged during a previous sampling event. Based on the groundwater sample analytical data, it appears that the selected remedy was effective at mitigating toluene impacts to groundwater within the AOC.

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 2022) only identified the following exceedances of groundwater standards:

- DCE – 58 ug/L (OW-6/MW-3)
- VC – 6.6 ug/L (OW-3) and 60 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. NYSDEC agreed with decommissioning of Site groundwater monitoring well OW-2; however, they requested additional information, in the form of boring logs and a groundwater flow figure, be included in this report (see Attachment E). NYSDEC will review the information and determine if it is necessary to replace OW-2 or substitute another nearby monitoring well in its place during future monitoring events.

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 2022 monitoring event were below regulatory standards, at 1.8 ug/L (flagged as an estimated value by the laboratory) 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 94% decrease in DCE; and a 74% 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 proceed at the NYSDEC approved sampling frequency of 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 two concentrations identified in the sample taken from MW0811-02: April 2018 at an estimated concentration of 0.21 ug/L and March 2022 with a concentration of 0.57 ug/L. 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 is 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 2022 monitoring events and were slightly above groundwater standards in the samples taken from IW-1 in March (22 ug/L), June (7.6), September (19 ug/L), and December (22 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 proceed at the NYSDEC-approved sampling frequency of semi-annually, during the 1st and 3rd quarters of each year.

5.8 Summary of Recommended and Approved Monitoring Program Revisions

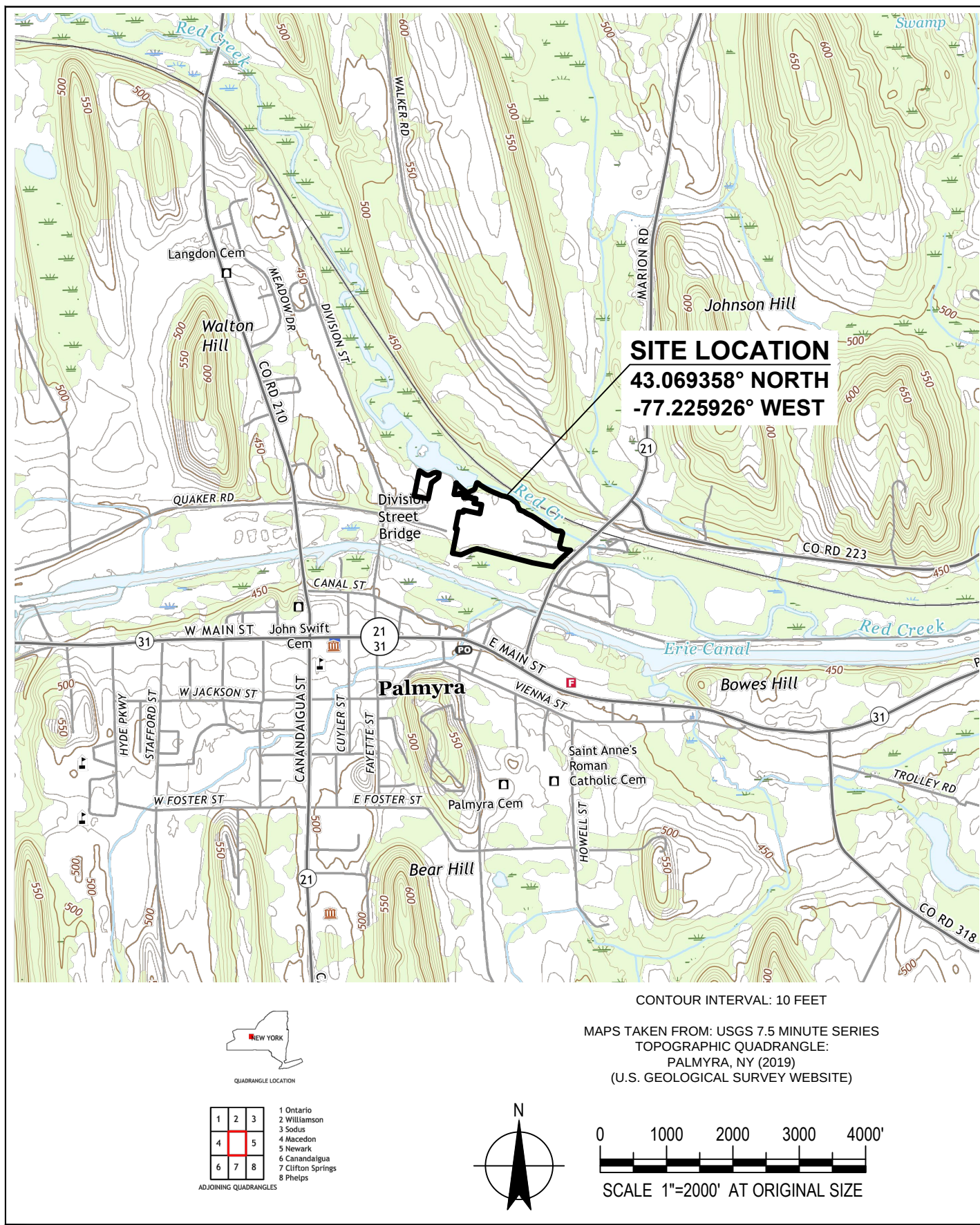
Based on NYSDEC approval of recommended modifications via letter dated January 24, 2023, the following is a summary of the Groundwater Monitoring Program going forward. In addition to the approved modifications, one additional recommendation was made in previous reports, related to the Carbon Tet Area, to reduce to annual monitoring. This request is still awaiting NYSDEC approval and is being requested again at this time. In addition, based on the NYSDEC-approval, it is recommended that monitoring well OW-2 be decommissioned and determination of whether or not an existing well or a new well needs to be added to the Groundwater Monitoring Program in its place (to be determined based on NYSDEC's review of supplemental information provided in Attachment E of this report). Based on these approved changes to the Groundwater Monitoring Program, it is further recommended that the Site No. 3 SMP be updated and revised to reflect the approved changes.

Exhibit 5-1 Summary of Approved and Recommended Monitoring Program Revisions

AOC	Current Monitoring Frequency (as approved by NYSDEC)*	Current Monitoring Locations (as approved by NYSDEC)*	Required Analysis	Recommended Modifications
AOC-1	Annual (3 rd quarter each year)	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
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	Semi-annual (1 st and 3 rd quarters each year)	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	No proposed modifications
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 Reduce to annual frequency (3rd quarter each year)
Toluene Area	Semi-annual (1 st and 3 rd quarters each year)	IW-1 and IW-2	TCL VOCs, Field Parameters	No proposed modifications

* - Based on NYSDEC approval via a January 24, 2023 letter, of modifications to the on-going monitoring program requested by Garlock in the 2021 Annual Report and 2022 Periodic Review Report.

Figures

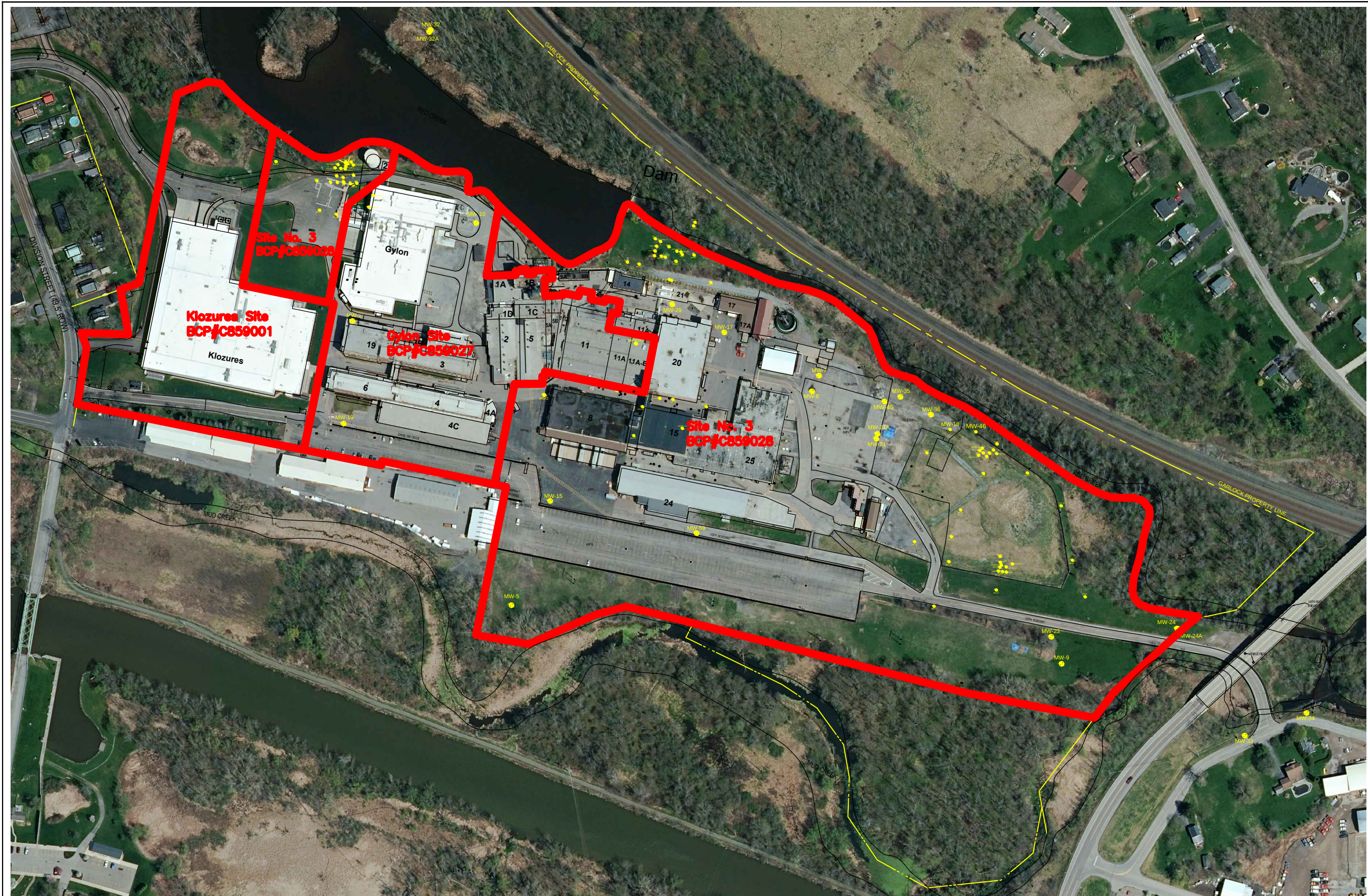


GARLOCK SEALING TECHNOLOGIES
 SITE NO. 3 BCP SITE (#C859028)
 ANNUAL GROUNDWATER MONITORING REPORT - 2022

Project No. 12578577
 Date 02.2023

SITE LOCATION MAP

FIGURE 1

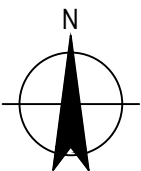


LEGEND:

- 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.

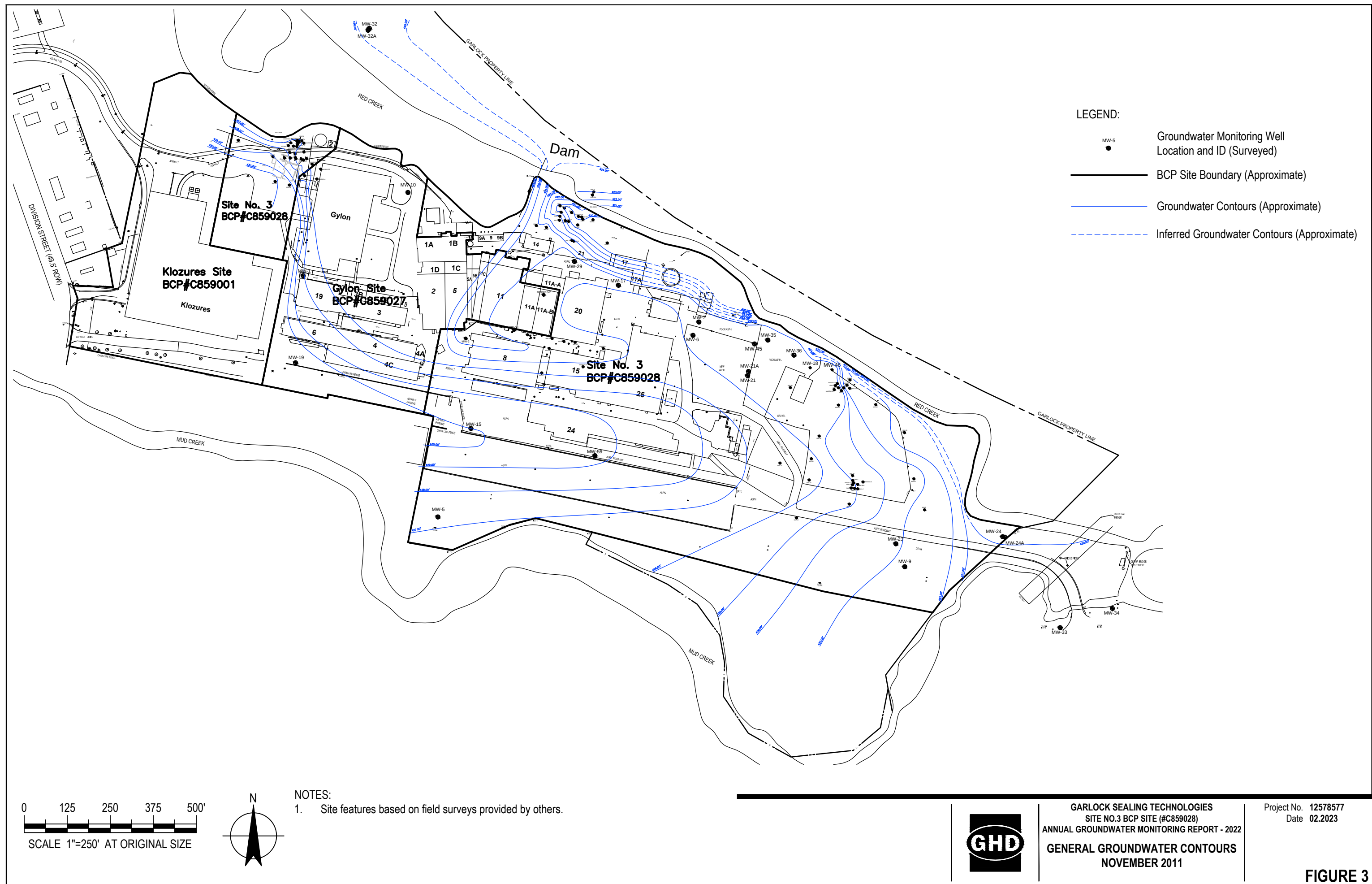


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SITE LAYOUT

Project No. 12578577
Date 02.2023

FIGURE 2





LEGEND:

MW0610-5 Effectiveness Groundwater Monitoring Well Location and ID (Surveyed)

MW-62

 Other Groundwater
Monitoring Well Location
and ID (Surveyed)

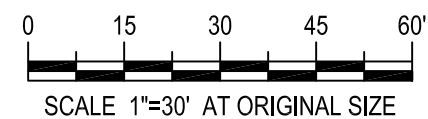
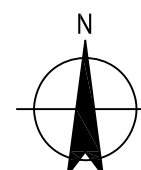
426.96' Groundwater Elevation
(September 27, 2022)

NM - Not Measured

Minor Groundwater Contour
(September 27, 2022)Major Groundwater Contour
(September 27, 2022)

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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**AOC-1, CARBON TET. AREA, AND
TOLUENE AREA
GROUNDWATER ELEVATION CONTOURS**

Project No. **12578577**
Date **03.2023**

FIGURE 4A

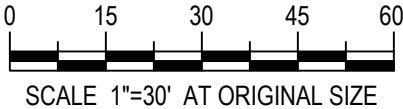
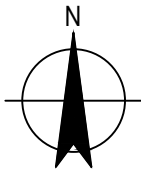


LEGEND:

- OW-1**
Effectiveness Groundwater Monitoring Well Location and ID (Surveyed)
- MW-43**
Other Groundwater Monitoring Well Location and ID (Surveyed)
- 421.70'
Groundwater Elevation (September 27, 2022)

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)



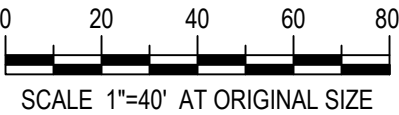
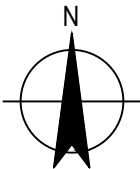
MW-49 Other Groundwater Monitoring Well Location and ID (Surveyed)



423.15' Groundwater Elevation (September 27, 2022)

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-3 AND AOC-4

Project No. 12578577
Date 02.2023

FIGURE 6



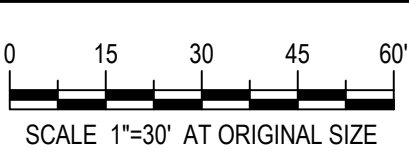
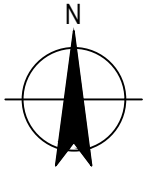
LEGEND:

MW0610-1 Effectiveness Groundwater Monitoring Well Location and ID (Surveyed)

MW-55 Other Groundwater Monitoring Well Location and ID (Surveyed)

425.39' Groundwater Elevation (September 27, 2022)

- 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)
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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-2	9/27/2022	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-3	9/27/2022	AOC-1	Top of PVC	431.14	3.46	15.88	427.68	2.01
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-4	9/27/2022	AOC-1	Top of PVC	430.72	2.55	15.65	428.17	2.12
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-6 (MW-3)	9/27/2022	AOC-1	Top of PVC	429.13	2.00	13.07	427.13	1.79
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
OW-7 (MW-27)	9/27/2022	AOC-1	Top of PVC	429.94	2.97	15.58	426.97	2.04
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
PTOW1-1	9/27/2022	AOC-1	Top of PVC	430.19	2.38	8.02	427.81	0.23
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-1	3/29/2022	AOC-2	Top of PVC	426.96	3.85	15.58	423.11	1.90
OW-1	6/28/2022	AOC-2	Top of PVC	426.96	4.67	15.58	422.29	1.77
OW-1	9/27/2022	AOC-2	Top of PVC	426.96	4.81	15.63	422.15	1.75
OW-1	12/20/2022	AOC-2	Top of PVC	426.96	4.29	15.58	422.67	1.83



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-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
OW-2 (MW-41)	3/29/2022	AOC-2	Top of PVC	426.55	3.89	14.84	422.66	1.77
OW-2 (MW-41)	6/28/2022	AOC-2	Top of PVC	426.55	5.09	14.84	421.46	1.58
OW-2 (MW-41)	9/27/2022	AOC-2	Top of PVC	426.55	5.05	14.88	421.50	1.59
OW-2 (MW-41)	12/20/2022	AOC-2	Top of PVC	426.55	4.61	14.84	421.94	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)
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	427.43	4.39	15.38	423.04	1.78
OW-3 (AOC-2)	3/29/2022	AOC-2	Top of PVC	427.43	4.54	15.38	422.89	1.76
OW-3 (AOC-2)	6/28/2022	AOC-2	Top of PVC	427.43	5.41	15.38	422.02	1.62
OW-3 (AOC-2)	9/27/2022	AOC-2	Top of PVC	427.43	5.56	15.37	421.87	1.59
OW-3 (AOC-2)	12/20/2022	AOC-2	Top of PVC	431.14	5.12	15.38	426.02	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)
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
OW-4 (MW-28)	3/29/2022	AOC-2	Top of PVC	426.58	3.65	18.14	422.93	2.35
OW-4 (MW-28)	6/28/2022	AOC-2	Top of PVC	426.58	4.59	18.14	421.99	2.20
OW-4 (MW-28)	9/27/2022	AOC-2	Top of PVC	426.58	4.74	18.17	421.84	2.18
OW-4 (MW-28)	12/20/2022	AOC-2	Top of PVC	426.58	4.28	18.14	422.30	2.25



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
OW-5	3/29/2022	AOC-2	Top of PVC	427.35	4.59	14.78	422.76	1.65
OW-5	6/28/2022	AOC-2	Top of PVC	427.35	5.34	14.78	422.01	1.53
OW-5	9/27/2022	AOC-2	Top of PVC	427.35	5.65	14.83	421.70	1.49
OW-5	12/20/2022	AOC-2	Top of PVC	427.35	5.17	14.78	422.18	1.56



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
MW0512-2	3/29/2022	AOC-3	Top of PVC	435.01	8.15	16.69	426.86	1.38
MW0512-2	6/28/2022	AOC-3	Top of PVC	435.01	9.38	16.69	425.63	1.18
MW0512-2	9/27/2022	AOC-3	Top of PVC	435.01	10.46	16.62	424.55	1.00
MW0512-2	12/20/2022	AOC-3	Top of PVC	435.01	9.85	16.69	425.16	1.11



Table 1
Summary of Groundwater Elevations

Garlock Sealing Technologies
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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)
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
MW0911-2	3/29/2022	AOC-3	Top of PVC	432.39	5.89	17.15	426.50	1.82
MW0911-2	6/28/2022	AOC-3	Top of PVC	432.39	7.83	17.15	424.56	1.51
MW0911-2	9/27/2022	AOC-3	Top of PVC	432.39	9.02	17.10	423.37	1.31
MW0911-2	12/20/2022	AOC-3	Top of PVC	432.39	8.54	17.15	423.85	1.39



Table 1
Summary of Groundwater Elevations

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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)
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
MW0512-1	3/29/2022	AOC-4	Top of PVC	435.73	7.26	18.57	428.47	1.83
MW0512-1	6/28/2022	AOC-4	Top of PVC	435.73	9.09	18.57	426.64	1.54
MW0512-1	9/27/2022	AOC-4	Top of PVC	435.73	10.04	18.50	425.69	1.37
MW0512-1	12/20/2022	AOC-4	Top of PVC	435.73	8.76	18.57	426.97	1.59



Table 1
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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)
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
MW0911-1	3/29/2022	AOC-4	Top of PVC	434.41	8.23	16.76	426.18	1.38
MW0911-1	6/28/2022	AOC-4	Top of PVC	434.41	10.13	16.76	424.28	1.07
MW0911-1	9/27/2022	AOC-4	Top of PVC	434.41	11.26	16.63	423.15	0.87
MW0911-1	12/20/2022	AOC-4	Top of PVC	434.41	9.73	16.76	424.68	1.14



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
MW0610-1	3/29/2022	AOC-5	Top of PVC	431.23	5.29	14.10	425.94	1.43
MW0610-1	6/28/2022	AOC-5	Top of PVC	431.23	5.58	14.10	425.65	1.38
MW0610-1	9/27/2022	AOC-5	Top of PVC	431.23	5.84	14.00	425.39	1.32
MW0610-1	12/20/2022	AOC-5	Top of PVC	431.23	4.94	14.10	426.29	1.48



Table 1
Summary of Groundwater Elevations

Garlock Sealing Technologies
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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)
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
MW0811-1	3/29/2022	AOC-5	Top of PVC	429.36	2.05	11.43	427.31	0.38
MW0811-1	6/28/2022	AOC-5	Top of PVC	429.36	2.63	11.43	426.73	0.35
MW0811-1	9/27/2022	AOC-5	Top of PVC	429.36	2.83	11.63	426.53	0.35
MW0811-1	12/20/2022	AOC-5	Top of PVC	429.36	2.74	11.43	426.62	0.35



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)
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
MW-63	3/29/2022	AOC-5	Top of PVC	431.44	5.58	14.40	425.86	1.43
MW-63	6/28/2022	AOC-5	Top of PVC	431.44	5.82	14.40	425.62	1.39
MW-63	9/27/2022	AOC-5	Top of PVC	431.44	6.10	14.30	425.34	1.33
MW-63	12/20/2022	AOC-5	Top of PVC	431.44	5.93	14.40	425.51	1.37



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)
MW0610-4	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
MW0610-4	3/29/2022	Carbon Tet Area	Top of PVC	432.39	4.82	15.57	427.57	1.74
MW0610-4	6/28/2022	Carbon Tet Area	Top of PVC	432.39	5.22	15.57	427.17	1.68
MW0610-4	9/27/2022	Carbon Tet Area	Top of PVC	432.39	5.43	15.52	426.96	1.63
MW0610-4	12/20/2022	Carbon Tet Area	Top of PVC	432.39	5.15	15.57	427.24	1.69



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)
MW0610-5	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
MW0610-5	3/29/2022	Carbon Tet Area	Top of PVC	431.53	3.95	15.59	427.58	1.89
MW0610-5	6/28/2022	Carbon Tet Area	Top of PVC	431.53	4.49	15.59	427.04	1.80
MW0610-5	9/27/2022	Carbon Tet Area	Top of PVC	431.53	4.60	15.57	426.93	1.78
MW0610-5	12/20/2022	Carbon Tet Area	Top of PVC	431.53	4.30	15.59	427.23	1.83



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
MW0811-2	3/29/2022	Carbon Tet Area	Top of PVC	435.55	7.92	13.86	427.63	0.96
MW0811-2	6/28/2022	Carbon Tet Area	Top of PVC	435.55	8.44	13.86	427.11	0.88
MW0811-2	9/27/2022	Carbon Tet Area	Top of PVC	435.55	8.59	13.85	426.96	0.85
MW0811-2	12/20/2022	Carbon Tet Area	Top of PVC	435.55	8.33	13.86	427.22	0.90



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)
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-1	3/29/2022	Toluene Area	Top of PVC	431.34	3.11	15.26	428.23	1.97
IW-1	6/28/2022	Toluene Area	Top of PVC	431.34	3.53	15.26	427.81	1.90
IW-1	9/27/2022	Toluene Area	Top of PVC	431.34	3.46	15.26	427.88	1.91
IW-1	12/20/2022	Toluene Area	Top of PVC	431.34	3.13	15.26	428.21	1.97



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)
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
IW-2	3/29/2022	Toluene Area	Top of PVC	431.40	3.02	15.26	428.38	1.98
IW-2	6/28/2022	Toluene Area	Top of PVC	431.40	3.54	15.26	427.86	1.90
IW-2	9/27/2022	Toluene Area	Top of PVC	431.40	3.51	15.28	427.89	1.91
IW-2	12/20/2022	Toluene Area	Top of PVC	431.40	3.26	15.26	428.14	1.94

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-3	9/27/2022	AOC-1	4.30	0.00471	7.02	-163.3	18.0	348
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-4	9/27/2022	AOC-1	4.61	0.00526	7.15	-215.2	17.0	53.3
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-6 (MW-3)	9/27/2022	AOC-1	3.67	0.01622	6.85	-150	16.1	292
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
OW-7 (MW-27)	9/27/2022	AOC-1	4.24	0.00978	7.55	-98.5	16.5	36.3
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
PTOW1-1	9/27/2022	AOC-1	5.33	0.01083	6.46	79.5	16.9	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-1	3/29/2022	AOC-2	4.61	2.22	7.59	29.6	9.4	>1,000
OW-1	6/28/2022	AOC-2	9	2.11	7.69	-49.5	12.8	211
OW-1	9/27/2022	AOC-2	6.77	0.00238	7.77	-44.3	13.9	565
OW-1	12/20/2022	AOC-2	4	2.34	7.43	-76	10.11	131



Table 2
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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
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
OW-2 (MW-41)	3/29/2022	AOC-2	4.56	3.21	7.2	-73.1	8.2	594
OW-2 (MW-41)	6/28/2022	AOC-2	6.3	3.01	7.48	-150.8	12.5	297
OW-2 (MW-41)	9/27/2022	AOC-2	7.82	0.00324	7.10	-191.4	15.1	276
OW-2 (MW-41)	12/20/2022	AOC-2	4.55	2.69	7.05	-200	9.34	115



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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
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-3 (AOC-2)	3/29/2022	AOC-2	5.41	3.51	7.46	-61.9	8.8	65.7
OW-3 (AOC-2)	6/28/2022	AOC-2	8.17	3.32	7.61	-152	12.4	86
OW-3 (AOC-2)	9/27/2022	AOC-2	3.37	0.00376	7.31	-187.9	14.8	83.5
OW-3 (AOC-2)	12/20/2022	AOC-2	3.37	3.43	7.13	-208	8.86	26.1



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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
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
OW-4 (MW-28)	3/29/2022	AOC-2	4.52	3.83	7.33	-31.5	8.4	150
OW-4 (MW-28)	6/28/2022	AOC-2	3.79	3.77	7.33	-63.8	15	29.5
OW-4 (MW-28)	9/27/2022	AOC-2	4.17	0.00375	7.53	-30.4	15.3	65.2
OW-4 (MW-28)	12/20/2022	AOC-2	7.54	3.38	7.2	-63	8.61	35.2



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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
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
OW-5	3/29/2022	AOC-2	4.46	4.6	7.47	46.3	8.8	889
OW-5	6/28/2022	AOC-2	4.81	4.06	7.26	-59.7	12.3	581
OW-5	9/27/2022	AOC-2	5.14	0.00405	7.23	-25.4	15.6	1,000
OW-5	12/20/2022	AOC-2	3.46	3.98	7.05	-19	9.63	29.8



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			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
MW0512-2	3/29/2022	AOC-3	5.63	7.62	6.98	-32.7	6.9	18.7
MW0512-2	6/28/2022	AOC-3	10.71	4.4	6.72	-77.5	15.8	44.6
MW0512-2	9/27/2022	AOC-3	3.69	0.00729	6.67	-32.1	14.6	422
MW0512-2	12/20/2022	AOC-3	3.39	3.98	6.86	-35	11.65	38.4



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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
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
MW0911-2	3/29/2022	AOC-3	5.3	2.61	6.87	-73.9	8.9	68.9
MW0911-2	6/28/2022	AOC-3	7.7	6.46	7.13	-180.7	13.4	46.1
MW0911-2	9/27/2022	AOC-3	5.16	0.00624	6.84	-82.8	15.0	348
MW0911-2	12/20/2022	AOC-3	13.62	5.64	6.8	-50	12.58	34.7



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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
MW0512-1	3/29/2022	AOC-4	6.66	1.69	6.95	-24.3	8.4	405
MW0512-1	6/28/2022	AOC-4	6.24	2.46	7.12	-68.9	12.7	>1,000
MW0512-1	9/27/2022	AOC-4	4.83	0.00490	6.97	-20.7	14.2	330
MW0512-1	12/20/2022	AOC-4	8.43	2.24	6.89	-56	11.65	221



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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
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
MW0911-1	3/29/2022	AOC-4	5.9	1.5	7.28	8.1	8.4	847
MW0911-1	6/28/2022	AOC-4	6.63	5.9	7.04	-52.6	13.4	912
MW0911-1	9/27/2022	AOC-4	2.85	0.00563	6.86	-6.6	13.7	1,000
MW0911-1	12/20/2022	AOC-4	4.59	1.52	7.26	4	11.69	246



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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
MW0610-1	3/29/2022	AOC-5	5.19	11.79	7.4	-19.7	11.5	815
MW0610-1	6/28/2022	AOC-5	5.04	9.76	7.15	-57.2	15.7	>1,000
MW0610-1	9/27/2022	AOC-5	2.32	0.00672	6.94	-12.4	18.0	1,000
MW0610-1	12/20/2022	AOC-5	7.06	9.21	7.19	-14	13.46	788



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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
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
MW0811-1	3/29/2022	AOC-5	2.09	5.32	6.81	-4.4	20.5	>1,000
MW0811-1	6/28/2022	AOC-5	4.23	4.94	6.84	-52.7	23.6	>1,000
MW0811-1	9/27/2022	AOC-5	1.89	0.00529	6.76	-7.5	22.9	1,000
MW0811-1	12/20/2022	AOC-5	2.7	5	6.73	-13	18.71	364



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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
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
MW-63	3/29/2022	AOC-5	4.87	11.56	7.15	19.8	14.4	217
MW-63	6/28/2022	AOC-5	5.52	10.96	7.05	-67.8	20.9	256
MW-63	9/27/2022	AOC-5	3.38	0.01099	6.81	-12.2	19.5	66.5
MW-63	12/20/2022	AOC-5	6.91	9.88	6.82	-5	14.28	85.7



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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
MW0610-4	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
MW0610-4	3/29/2022	Carbon Tet Area	4.08	10.18	7.66	15.5	7.5	56.8
MW0610-4	6/28/2022	Carbon Tet Area	6.05	5.56	7.26	-208.3	14.4	268
MW0610-4	9/27/2022	Carbon Tet Area	5.51	0.00580	7.11	-221.1	16.7	206
MW0610-4	12/20/2022	Carbon Tet Area	5.01	5.27	7.13	-224	8.77	65.1



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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
MW0610-5	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
MW0610-5	3/29/2022	Carbon Tet Area	3.3	9.23	7.01	-111.1	7.6	162
MW0610-5	6/28/2022	Carbon Tet Area	4.54	4.24	7.09	-238.1	14.1	78.5
MW0610-5	9/27/2022	Carbon Tet Area	3.62	0.00415	7.02	-248.4	16.4	152
MW0610-5	12/20/2022	Carbon Tet Area	4.37	4.67	7.03	-275	9.98	83.9



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			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
MW0811-2	3/29/2022	Carbon Tet Area	4.19	6.2	7.45	266.2	6.4	43.5
MW0811-2	6/28/2022	Carbon Tet Area	5.94	6.44	7.16	-39.2	13.2	159
MW0811-2	9/27/2022	Carbon Tet Area	5.83	0.00517	7.30	-24.6	16.8	68.6
MW0811-2	12/20/2022	Carbon Tet Area	9.17	3.72	7.25	-151	10.27	64.7



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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
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-1	3/29/2022	Toluene Area	7.98	17.07	7.3	-1.1	8.7	550
IW-1	6/28/2022	Toluene Area	6.15	7.71	6.91	-181.4	19.1	92.6
IW-1	9/27/2022	Toluene Area	6.43	0.00576	7.38	-120.9	18.5	1,000
IW-1	12/20/2022	Toluene Area	6.48	7.94	7.22	-165	9.08	57



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			mg/L	mS/cm	pH Units	mV	°C	NTU
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
IW-2	3/29/2022	Toluene Area	3.3	11.24	7	171.4	10.3	583
IW-2	6/28/2022	Toluene Area	5.38	4.41	7.02	-80.7	14.4	427
IW-2	9/27/2022	Toluene Area	5.28	0.00368	7.13	-52.3	16.8	940
IW-2	12/20/2022	Toluene Area	3.5	3.79	7.01	-52	11.16	94.9

AOC-1



Table 3
Summary of AOC-1 Groundwater Monitoring Results

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

Sampling Location	Sampling Date	Chemical oxygen demand (COD) mg/L	Total organic carbon (TOC) 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
OW-3	09/27/22	42	1.31

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

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

Sampling Location	Sampling Date	Chemical oxygen demand (COD) mg/L	Total organic carbon (TOC) 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-4	09/27/22	42	2.98
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
OW-6 (MW-3)	09/27/22	440	3.05

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 3
Summary of AOC-1 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
	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
OW-7 (MW-27)	09/27/22	120	2.39
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
PTOW1-1	09/27/22	400	2.94

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)

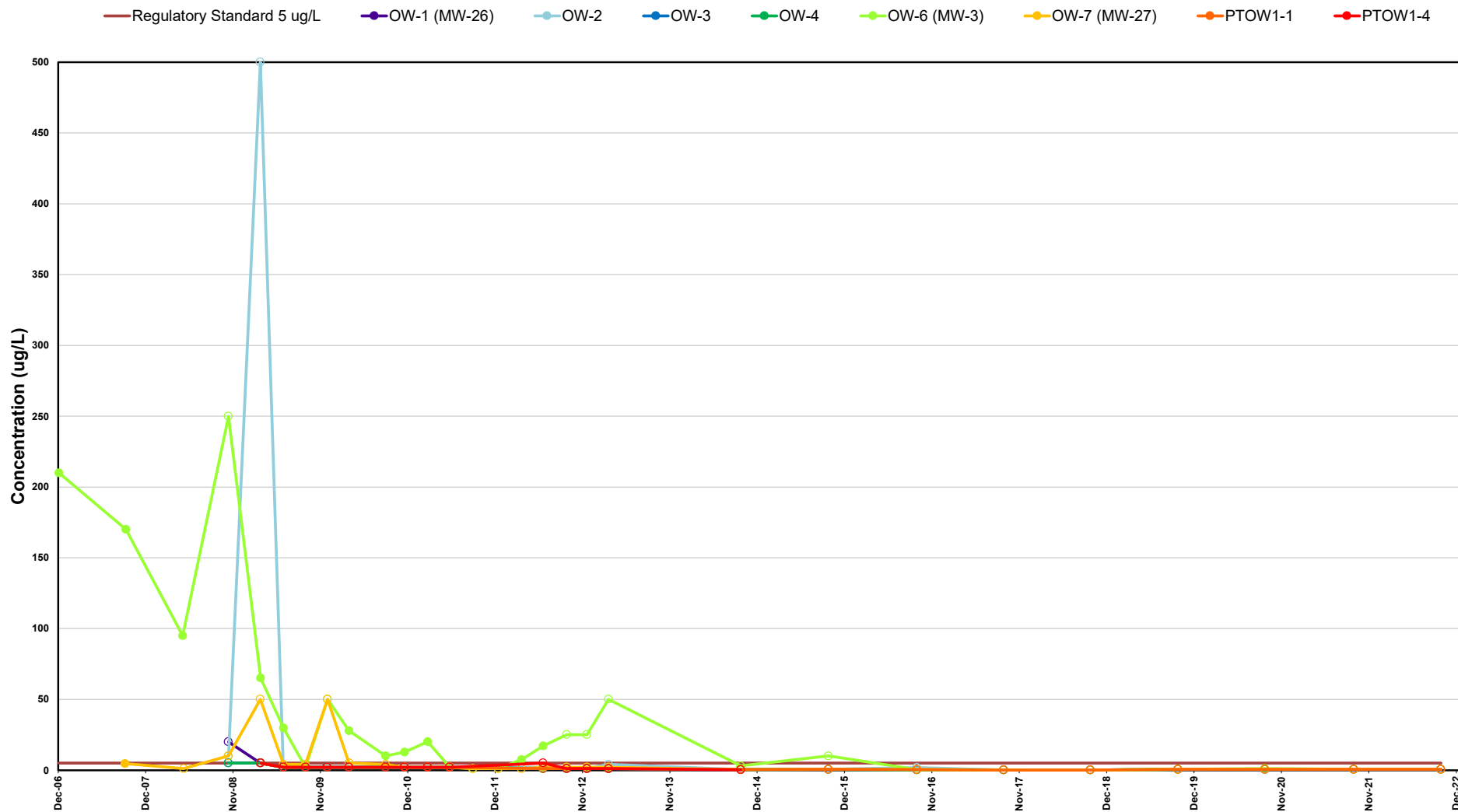
<## Not detected above indicated laboratory reporting limit.

! estimated value

mg/L milligrams per liter

ug/L micrograms per liter

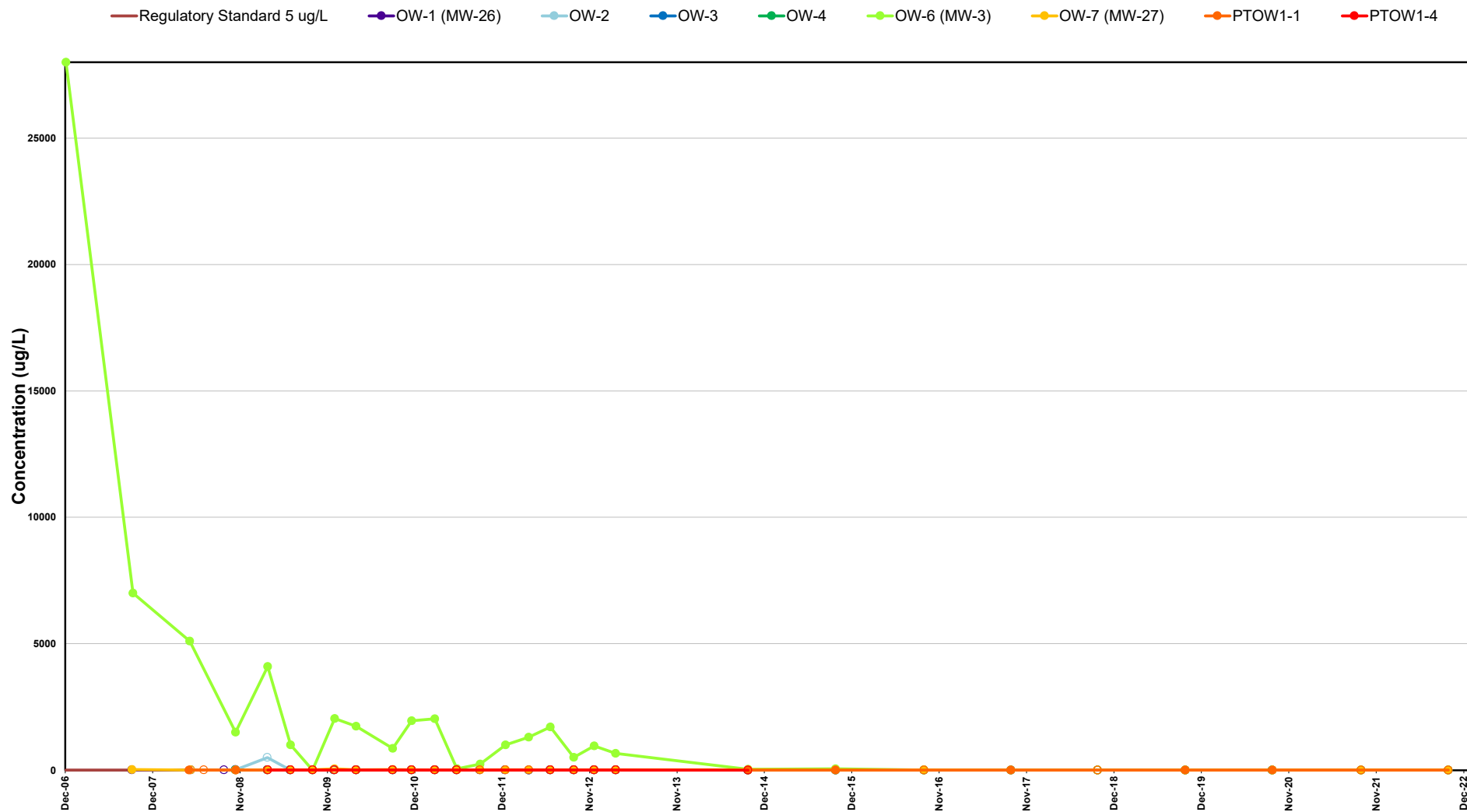
Bold and highlighted cells indicate an exceedance of Class GA Regulatory Standards



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

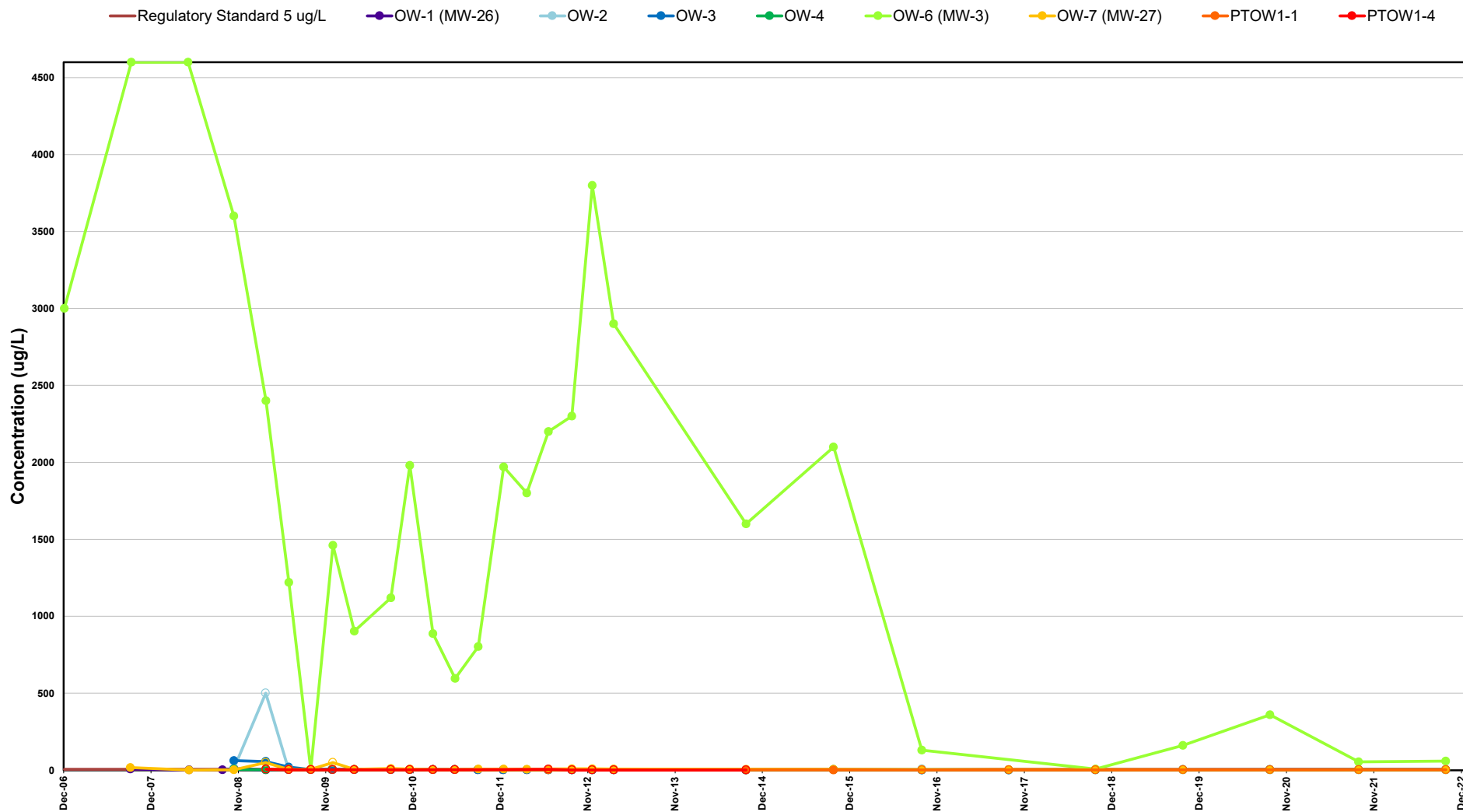
AOC-1



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

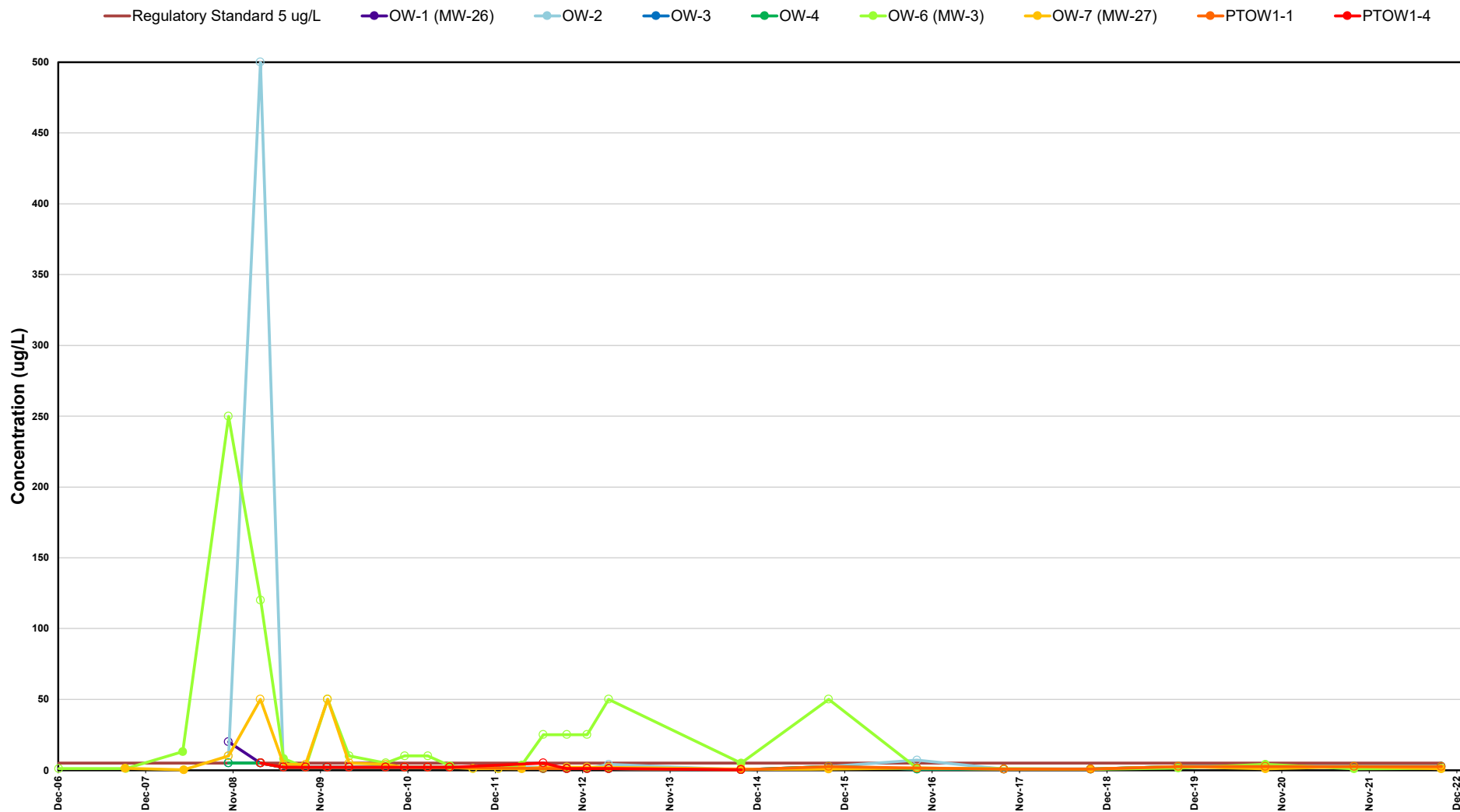
AOC-1



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

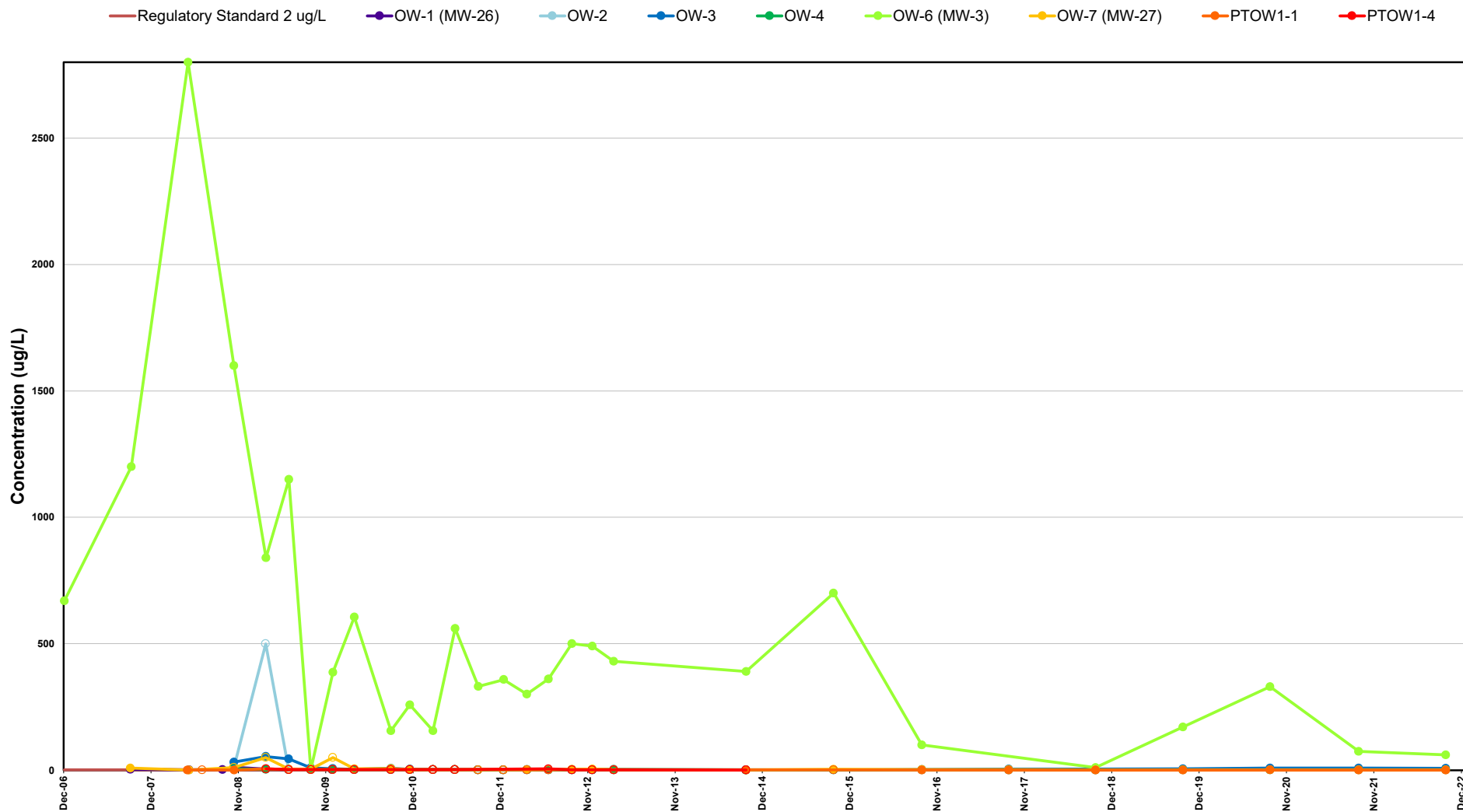
AOC-1



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

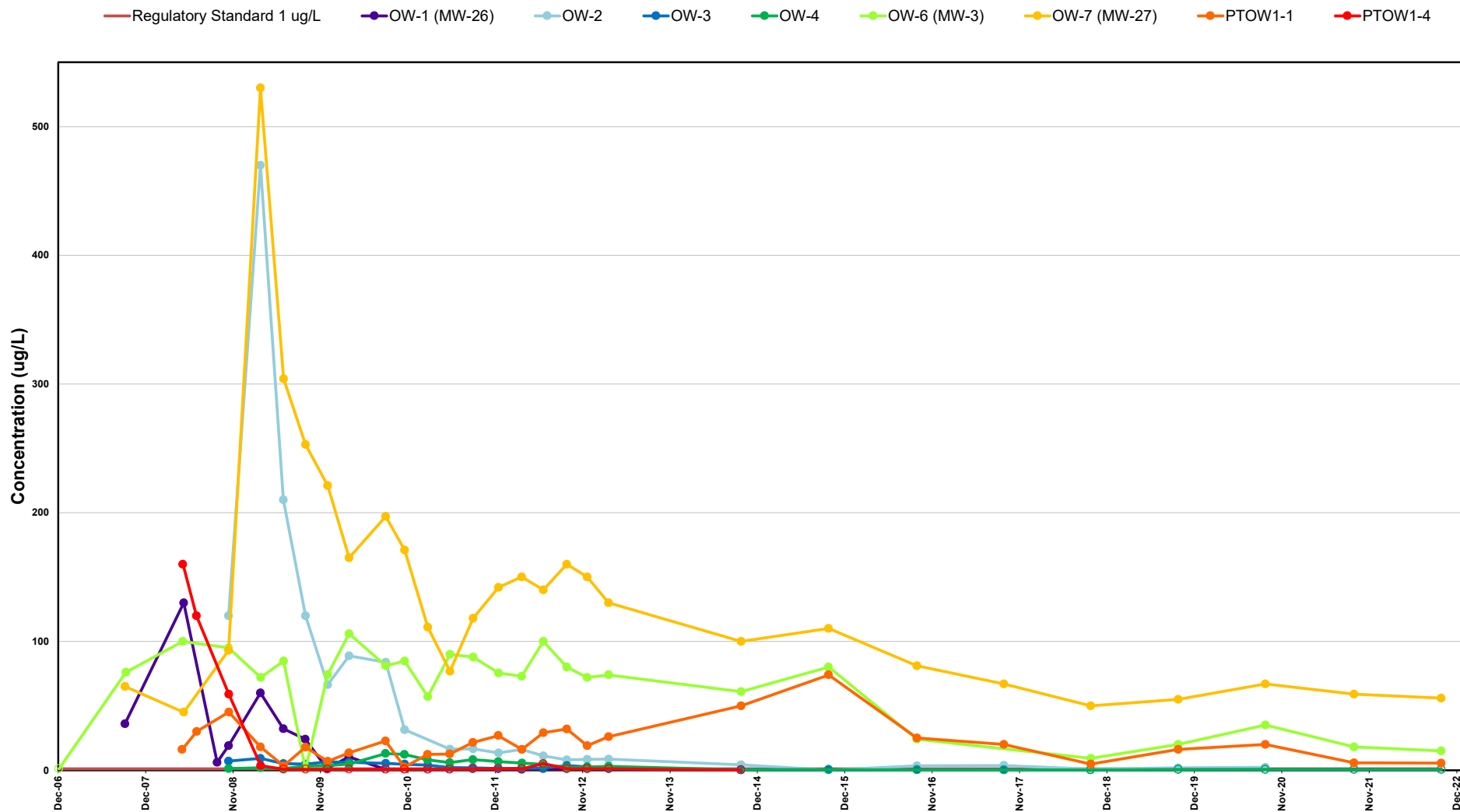
AOC-1



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

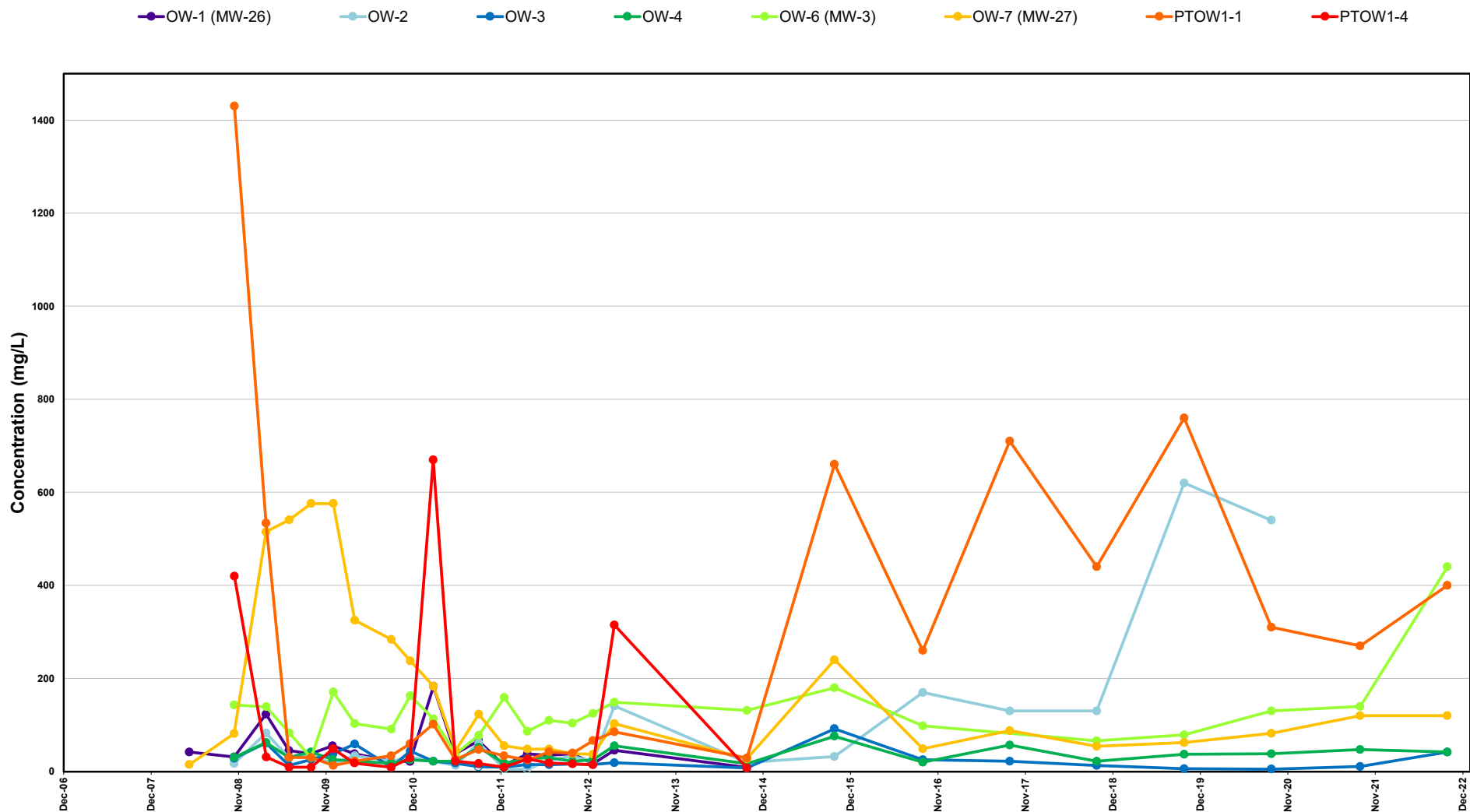
AOC-1



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



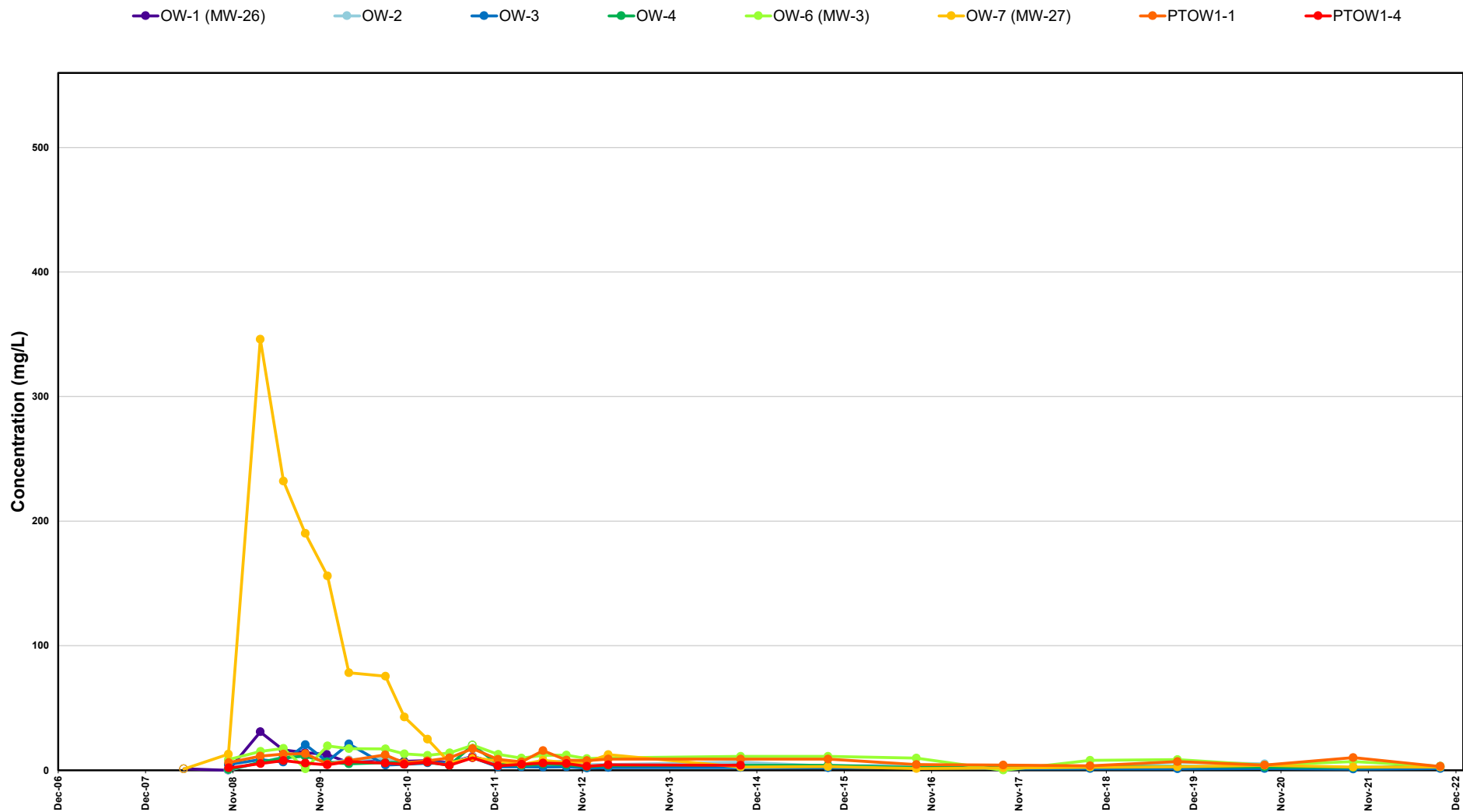
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

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	Chemical oxygen demand (COD) mg/L	Total organic carbon (TOC) 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
OW-1	03/29/22	16	0.928
OW-1	06/28/22	15	0.837
OW-1	09/27/22	33	1.02
OW-1	12/20/22	12	0.838

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) mg/L	Total organic carbon (TOC) 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
OW-2 (MW-41)	03/29/22	16	2.20
OW-2 (MW-41)	06/28/22	54	3.07
OW-2 (MW-41)	09/27/22	22	2.96
OW-2 (MW-41)	12/20/22	45	2.71

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) mg/L	Total organic carbon (TOC) 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
OW-3 (AOC-2)	03/29/22	20	4.40
OW-3 (AOC-2)	06/28/22	22	3.45
OW-3 (AOC-2)	09/27/22	48	4.22
OW-3 (AOC-2)	12/20/22	36	4.39

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	Chemical oxygen demand (COD) mg/L	Total organic carbon (TOC) 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
OW-4 (MW-28)	03/29/22	14	0.842
OW-4 (MW-28)	06/28/22	20	0.749
OW-4 (MW-28)	09/27/22	18	0.900
OW-4 (MW-28)	12/20/22	43	0.752

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

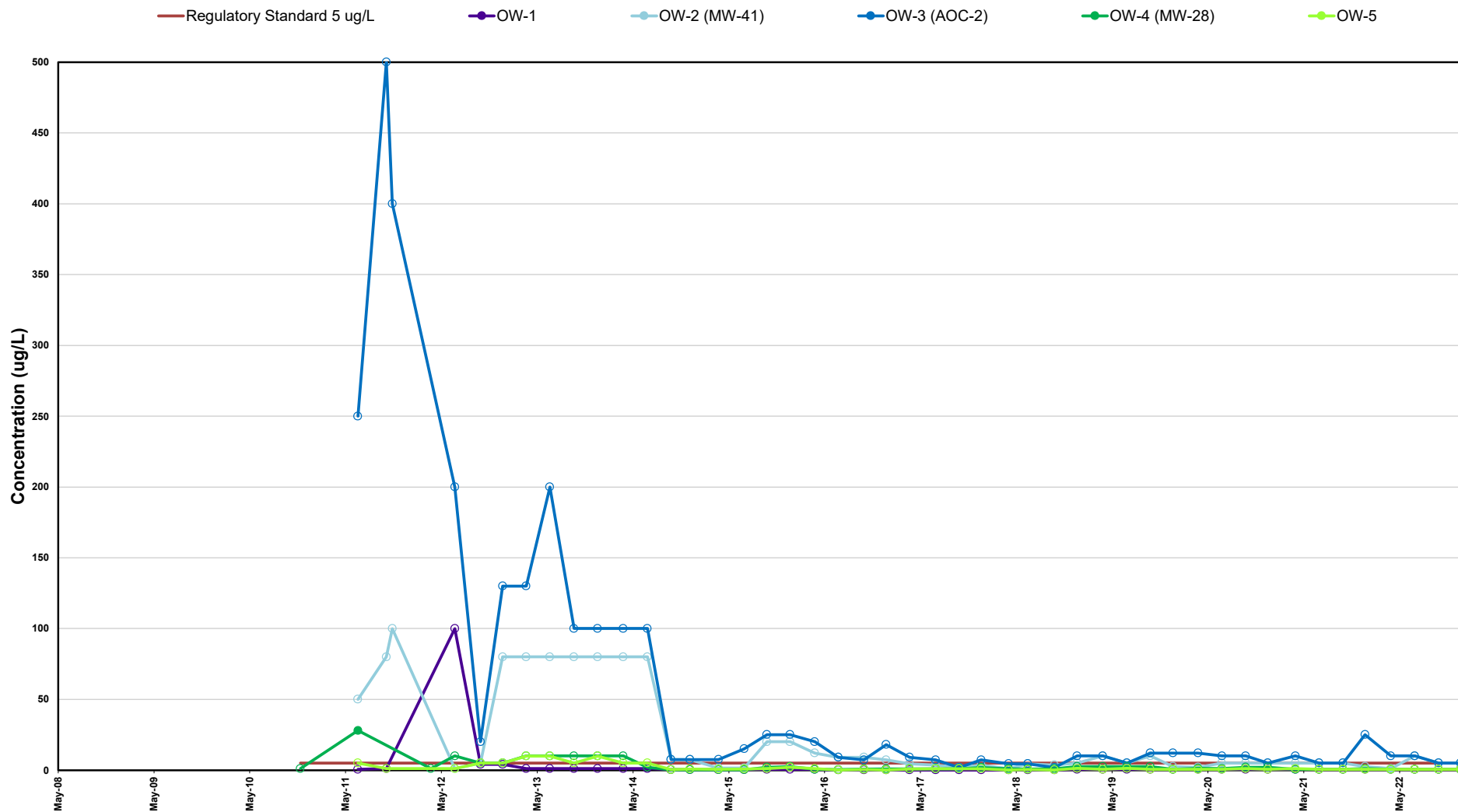


Table 4
Summary of AOC-2 Groundwater Monitoring Results

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

Sampling Location	Sampling Date	Chemical oxygen demand (COD) mg/L	Total organic carbon (TOC) 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
OW-5	03/29/22	11	0.743
OW-5	06/28/22	29	0.742
OW-5	09/27/22	33	1.37
OW-5	12/20/22	15	0.770

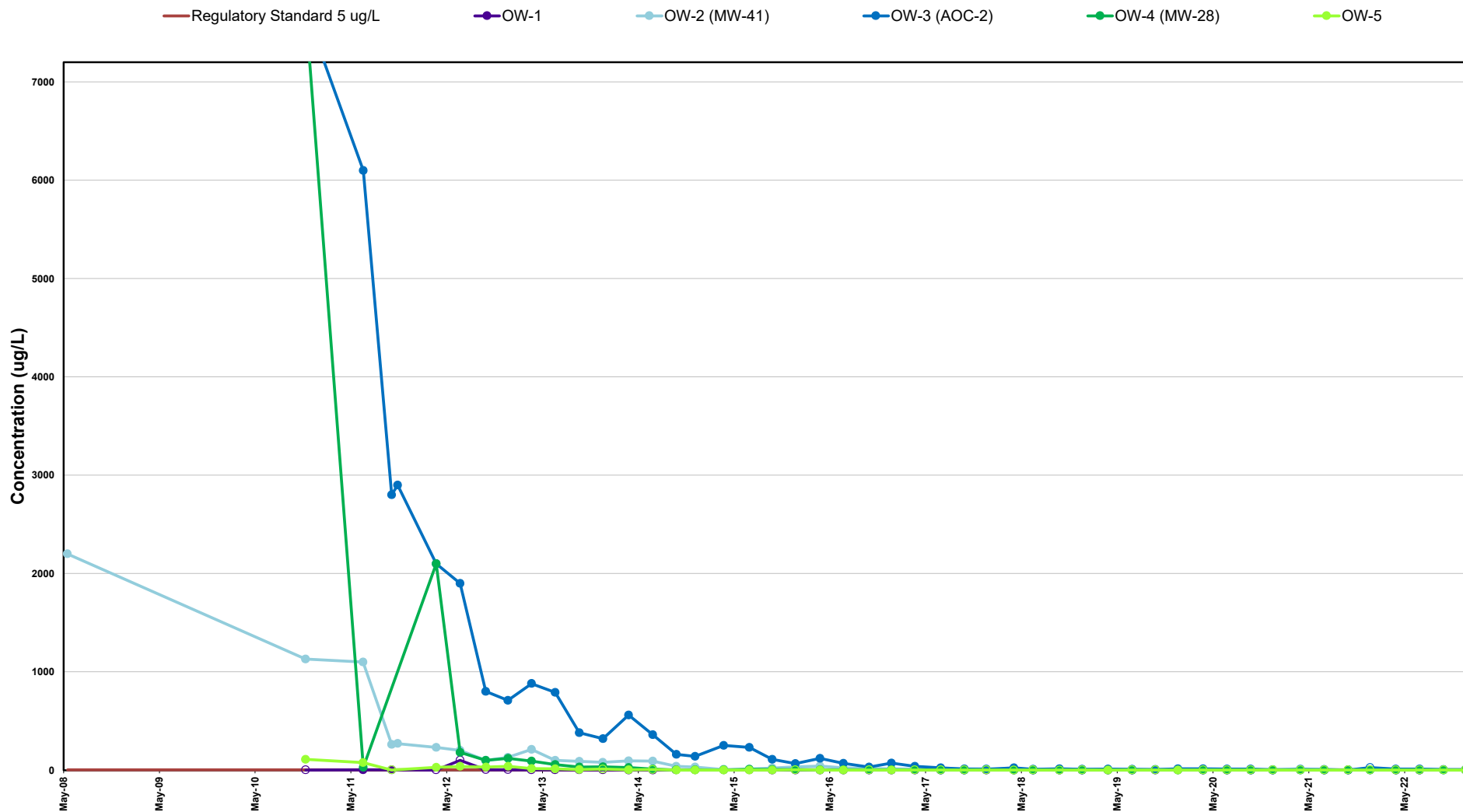
Notes:
Only analytes that exceeded Class GA Regulatory Standards in samples taken from at least one monitoring well during at least one monitoring event are included here
Regulatory Standard - Class GA Groundwater Quality Standard or Guidance Value from NYSDEC Division of Water TOGS 1.1.1 (June 1998)
<## 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



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

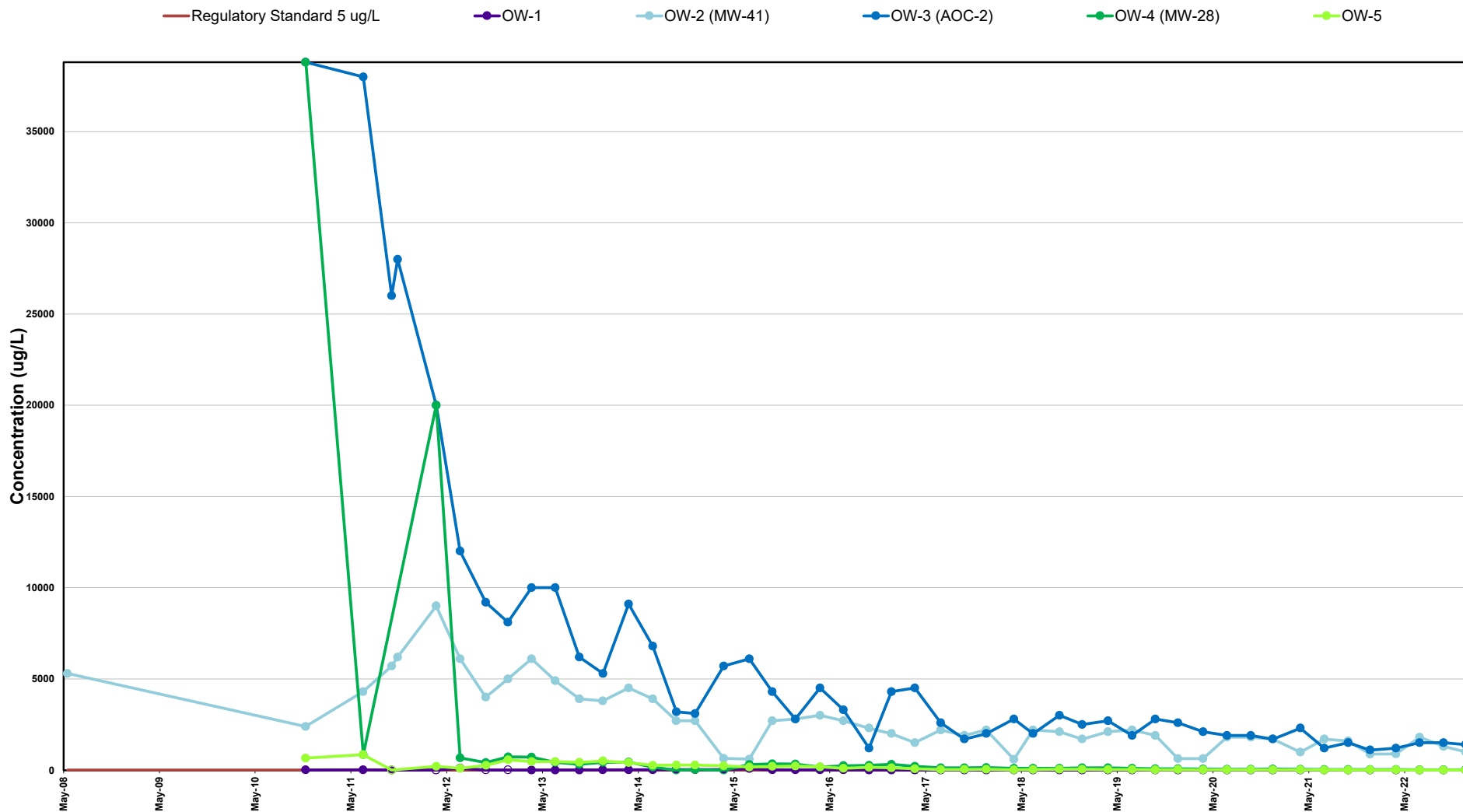
AOC-2



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

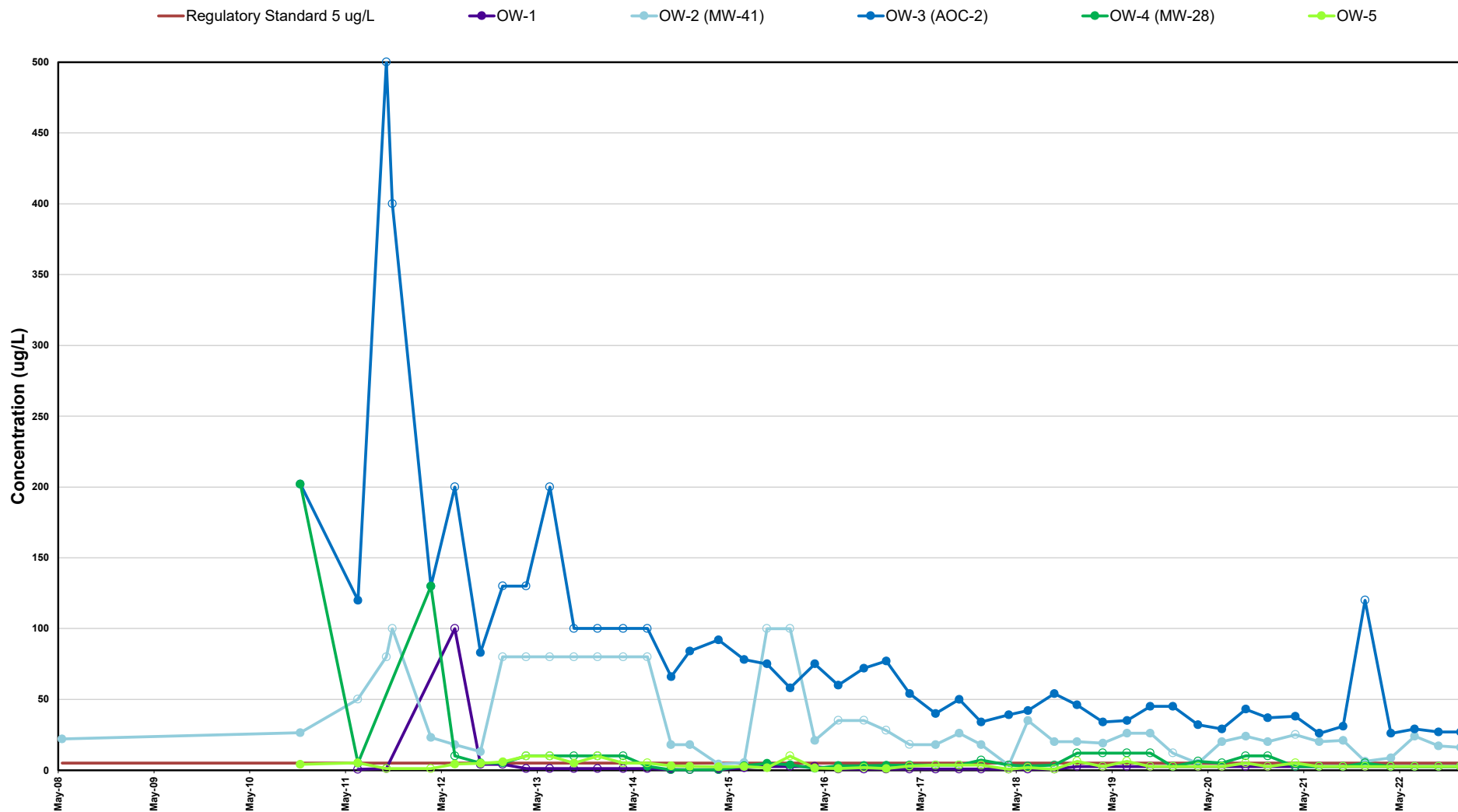
AOC-2



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

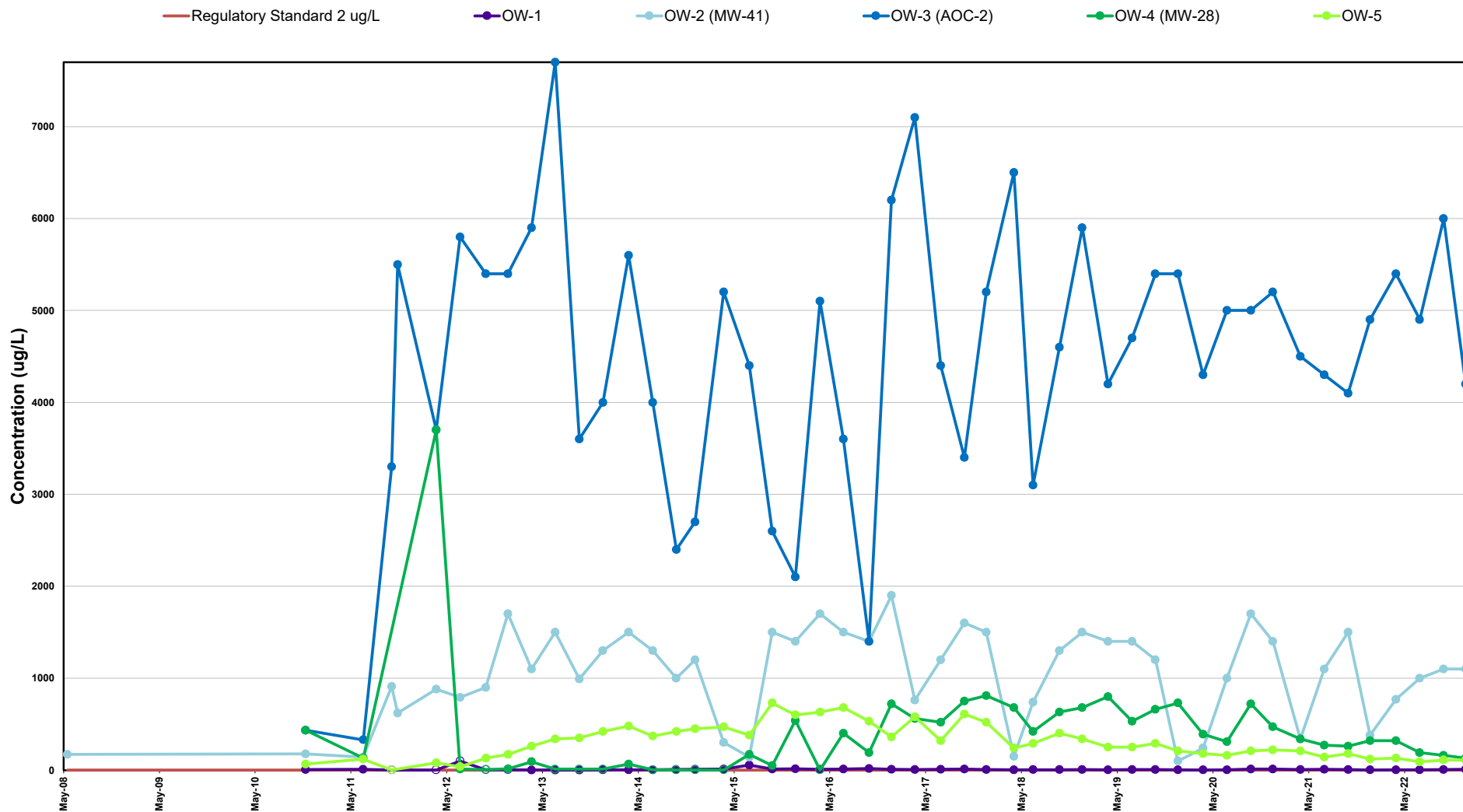
AOC-2



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

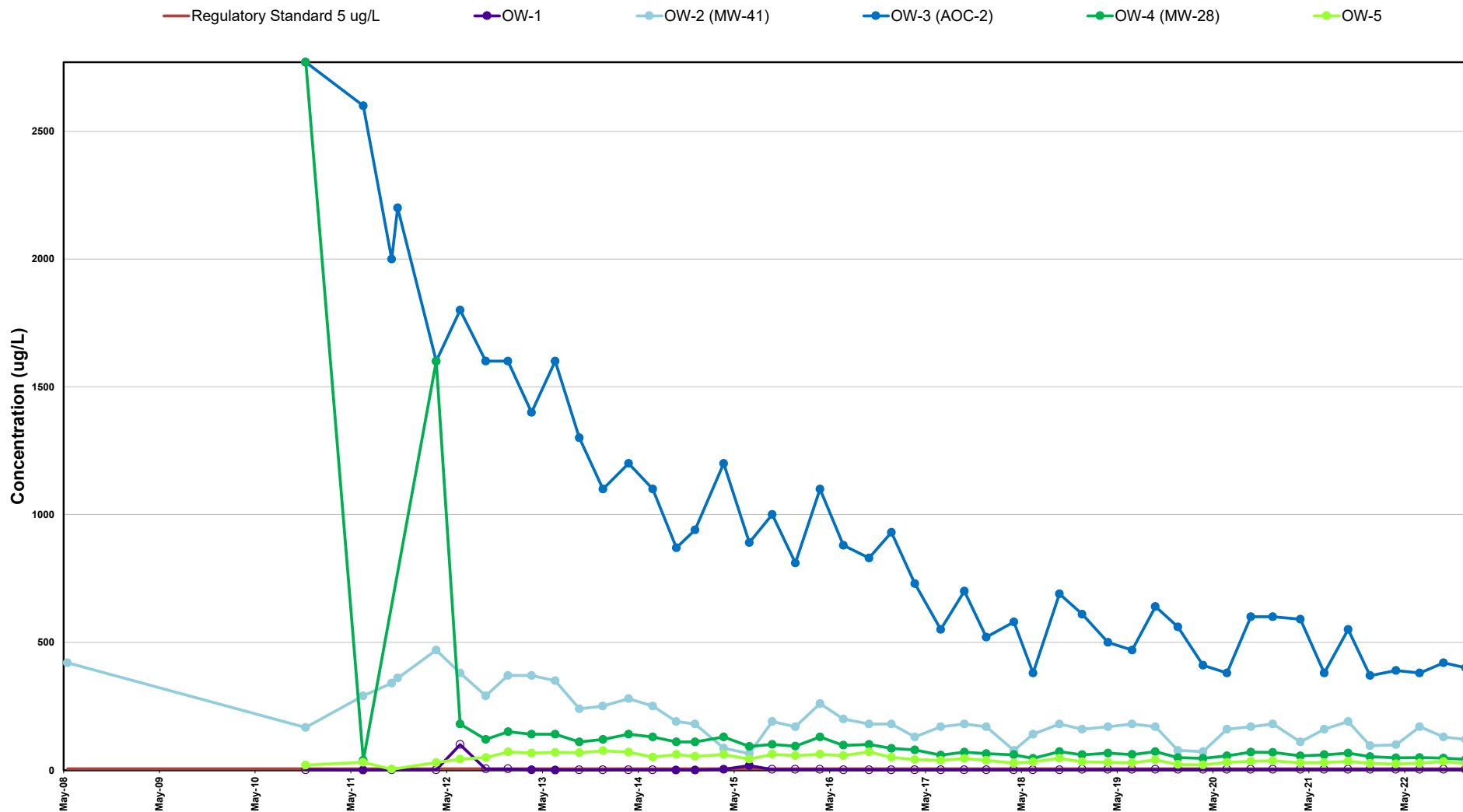
AOC-2



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

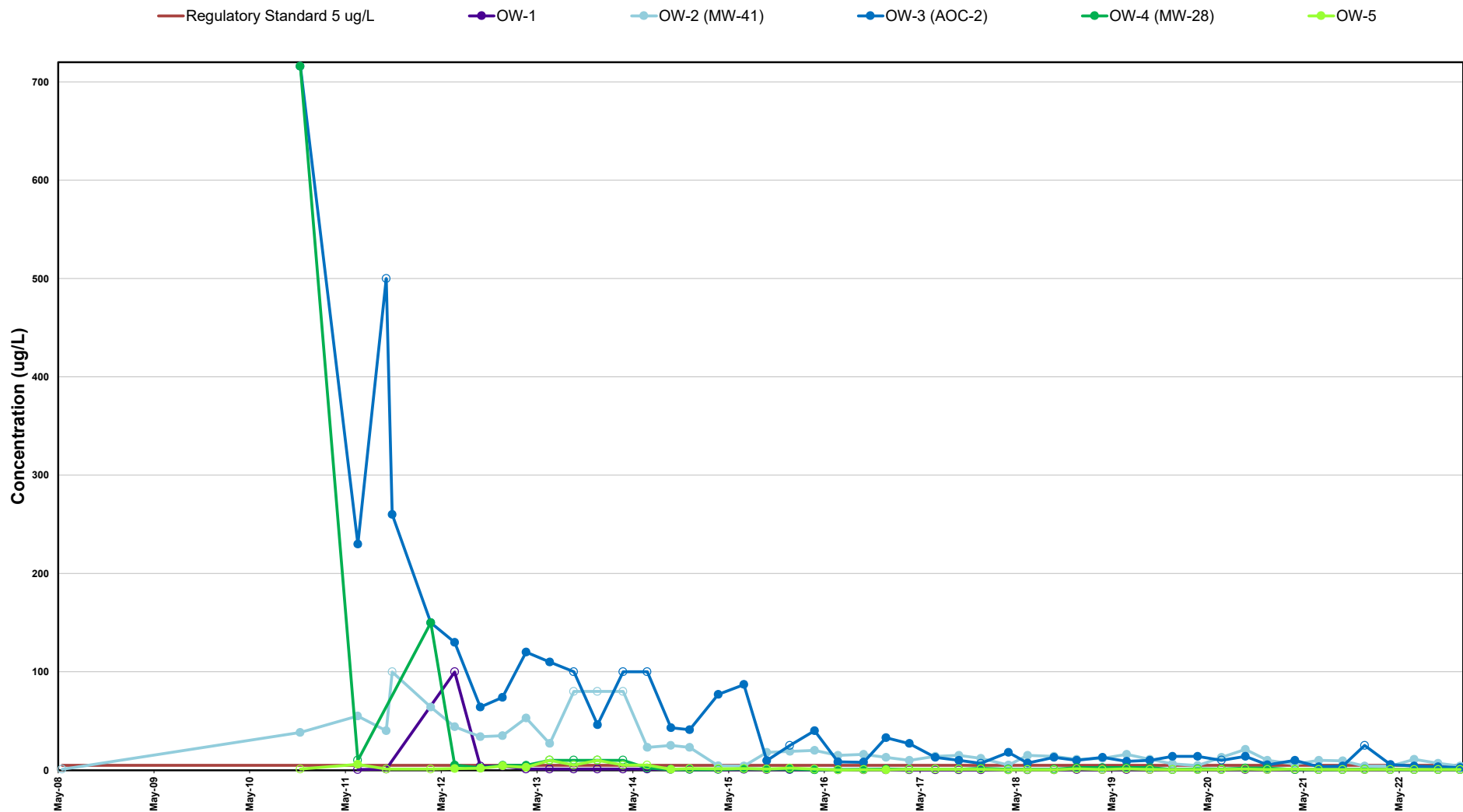
AOC-2



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

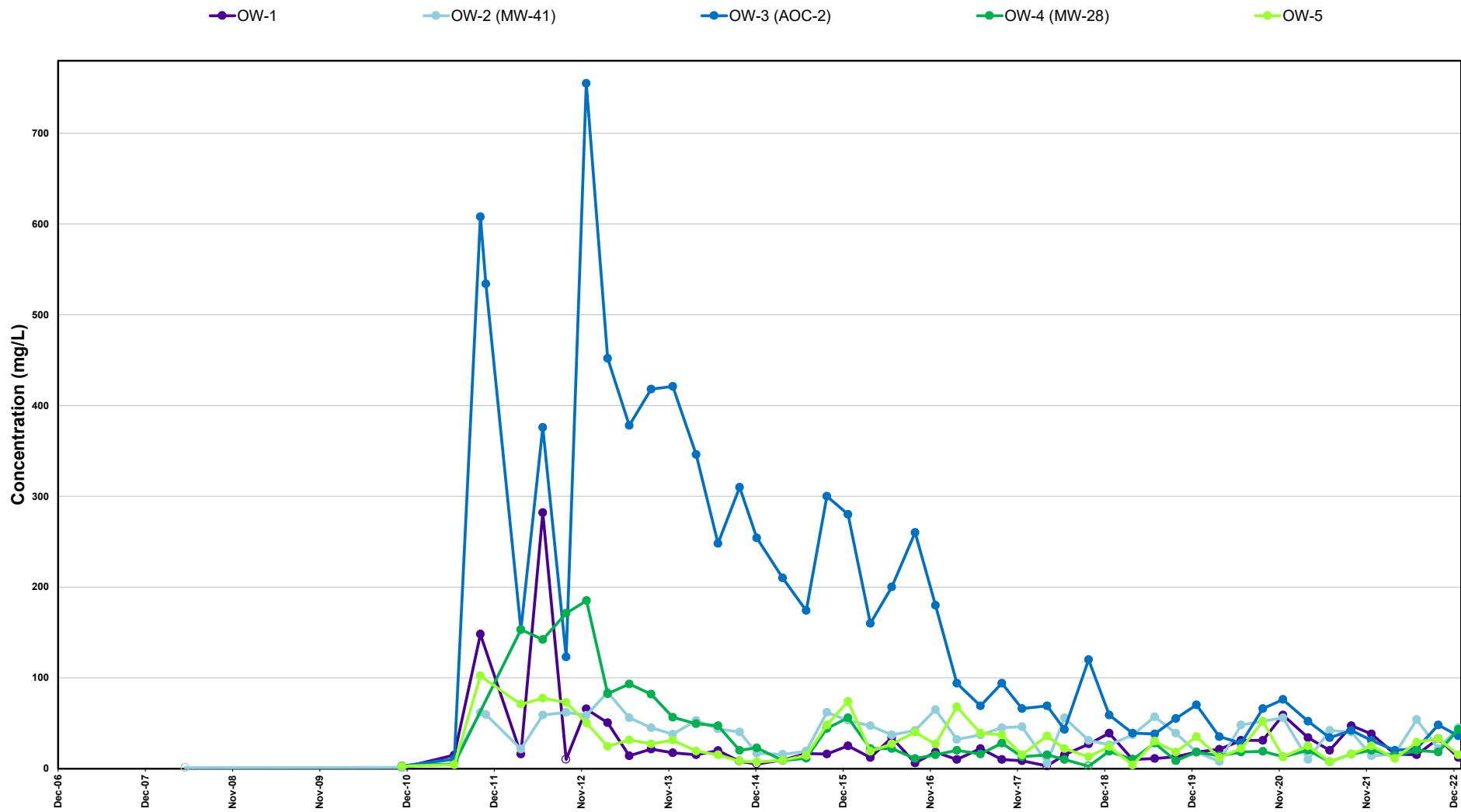
AOC-2



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



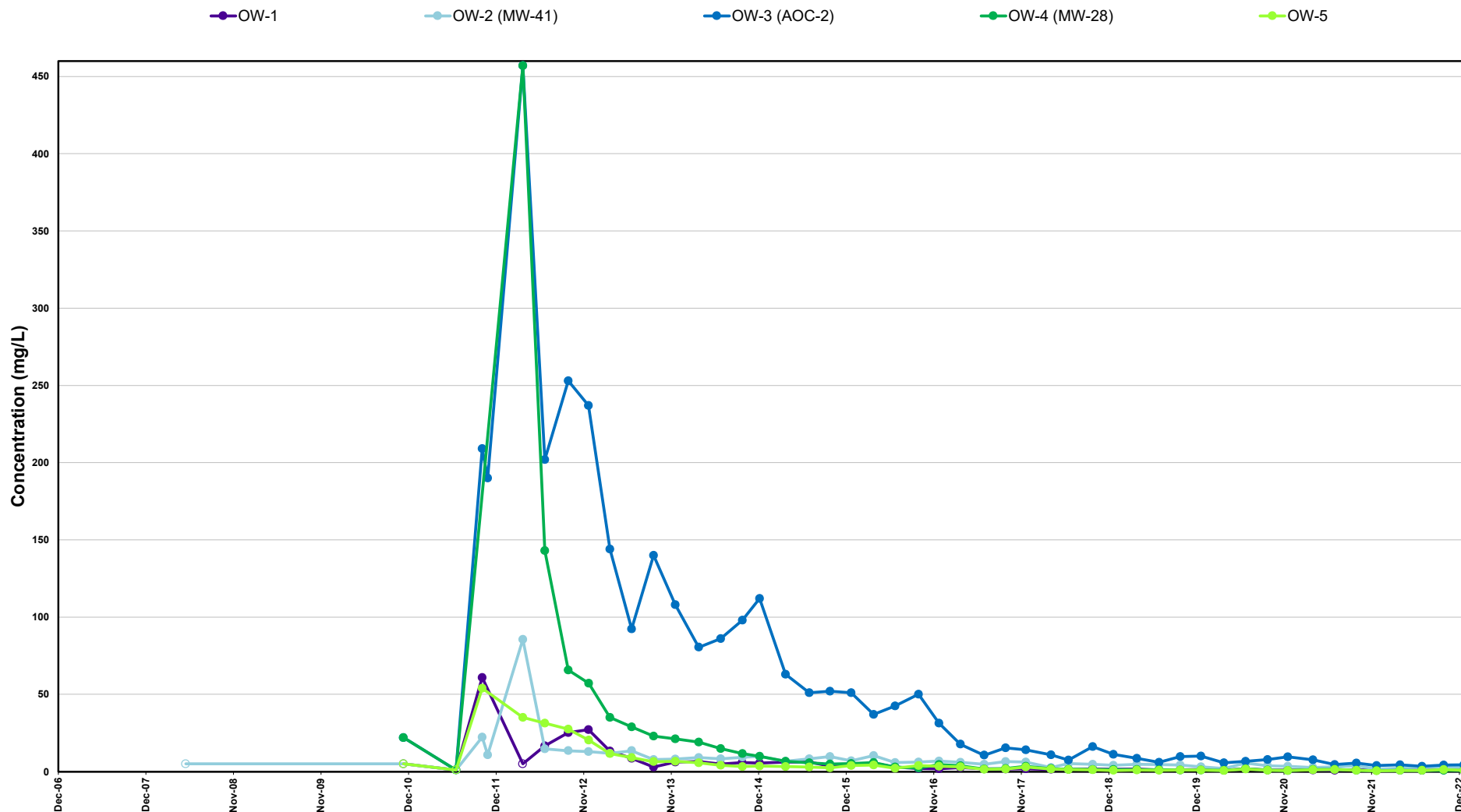
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies

BCP Site #C859028

Chemical oxygen demand (COD) Trend

AOC-2

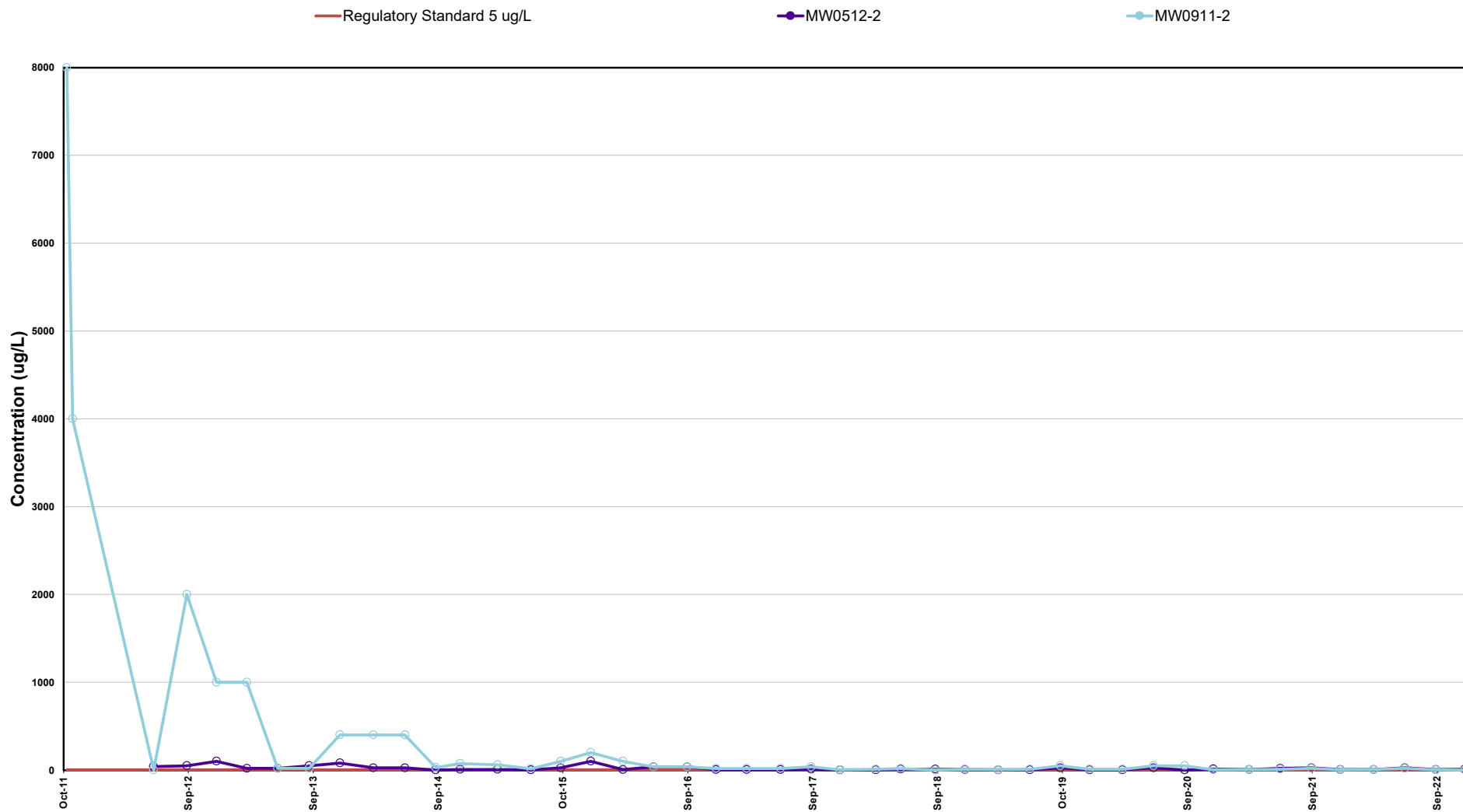


Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

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

AOC-2

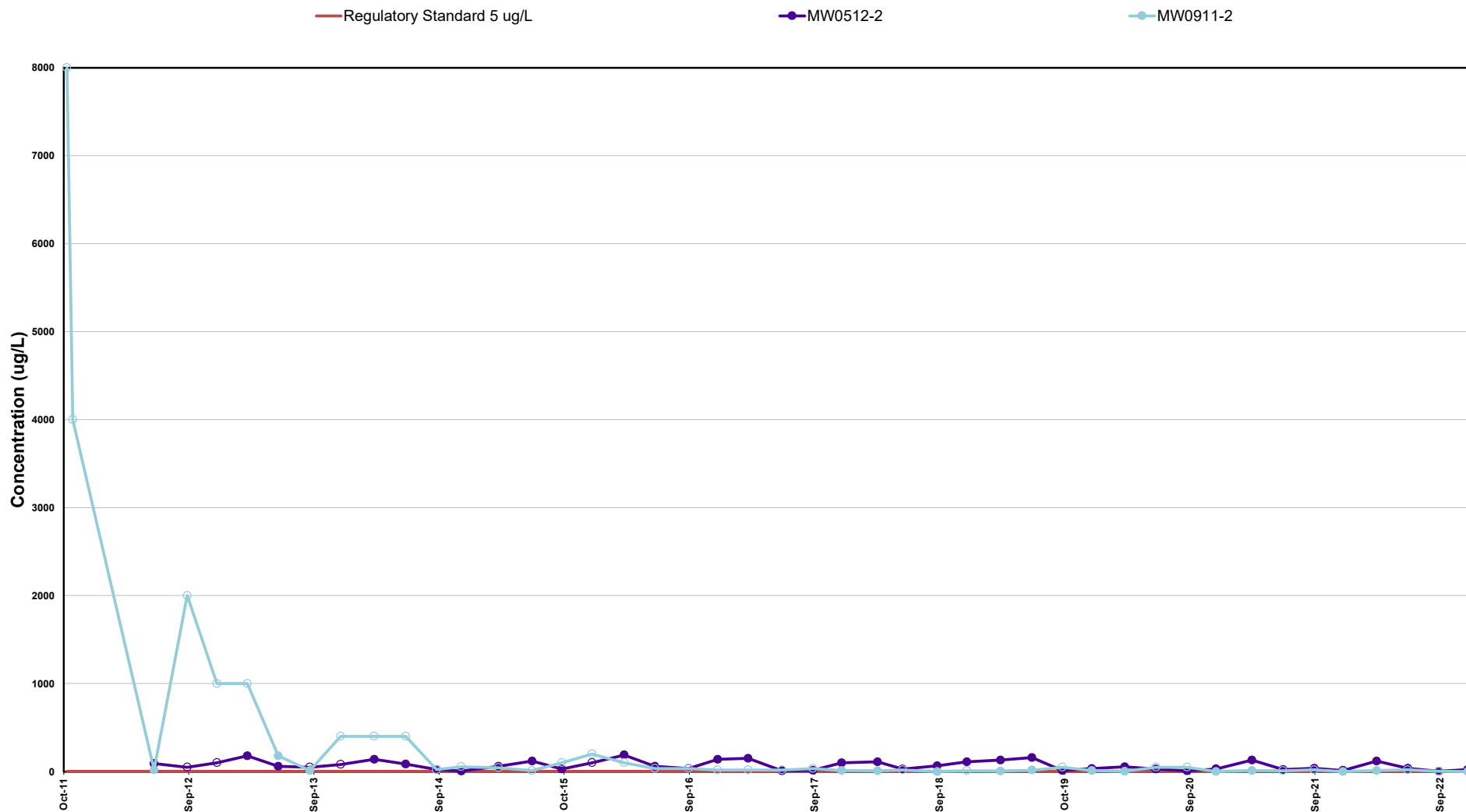
AOC-3



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

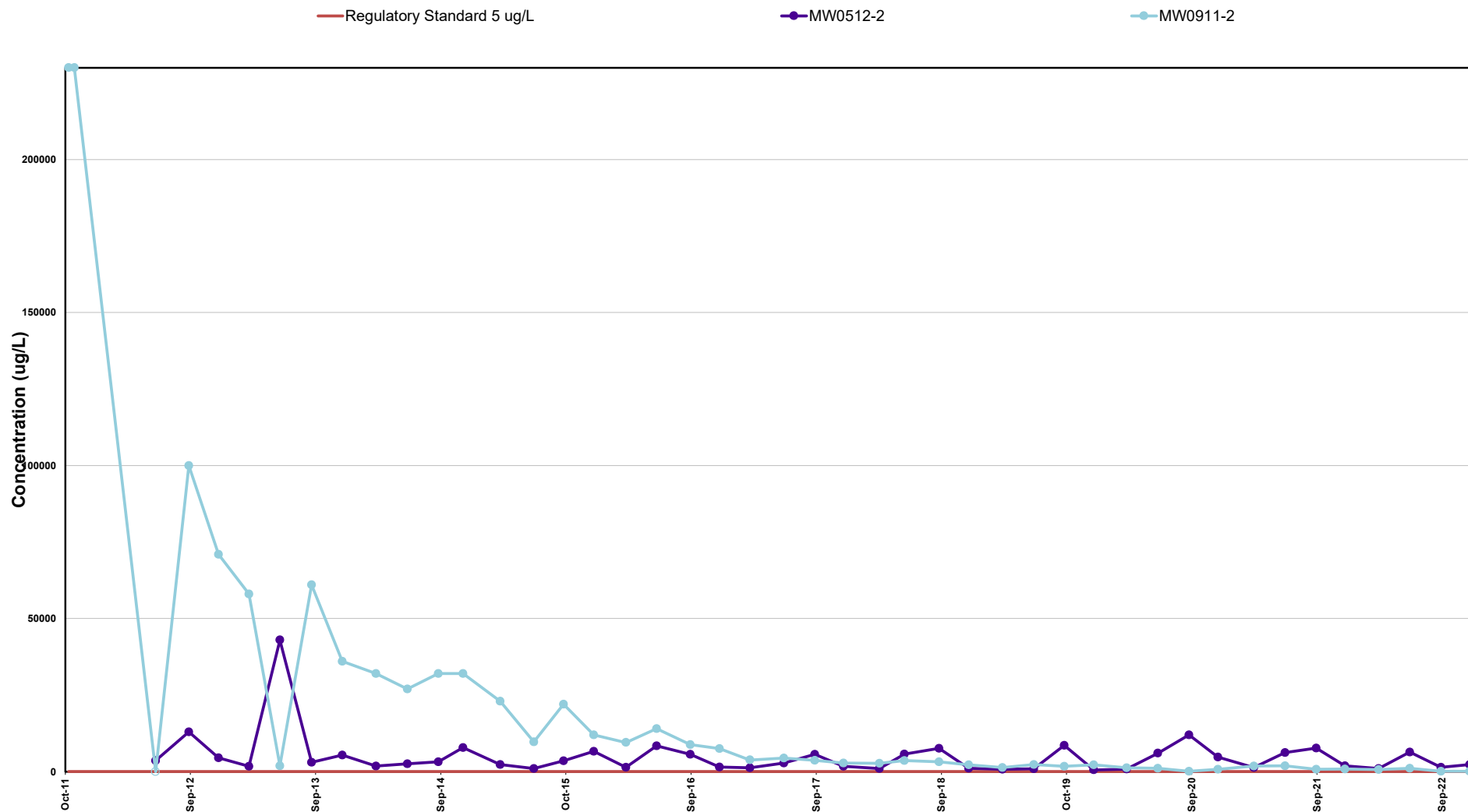
AOC-3



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

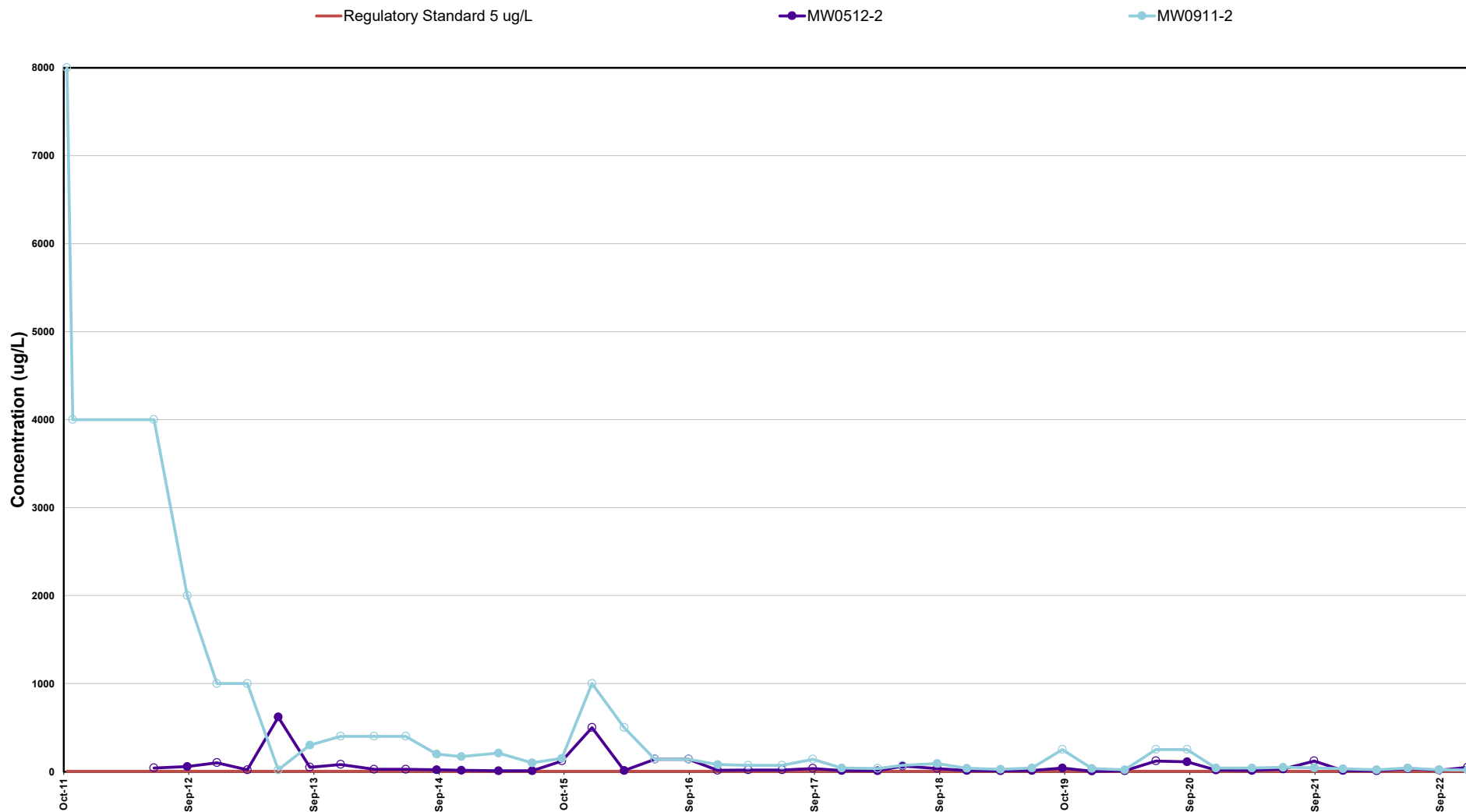
AOC-3



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

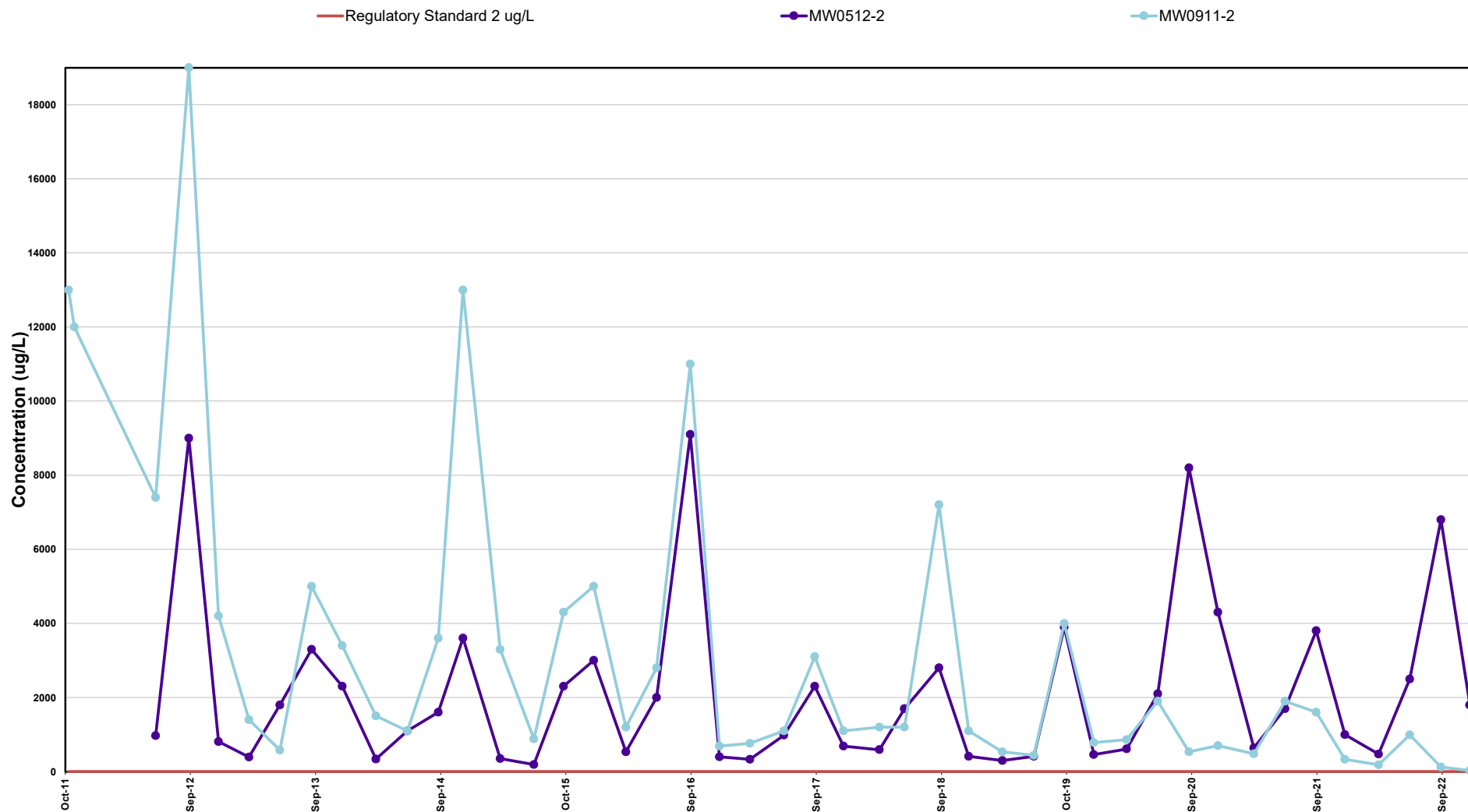
AOC-3



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

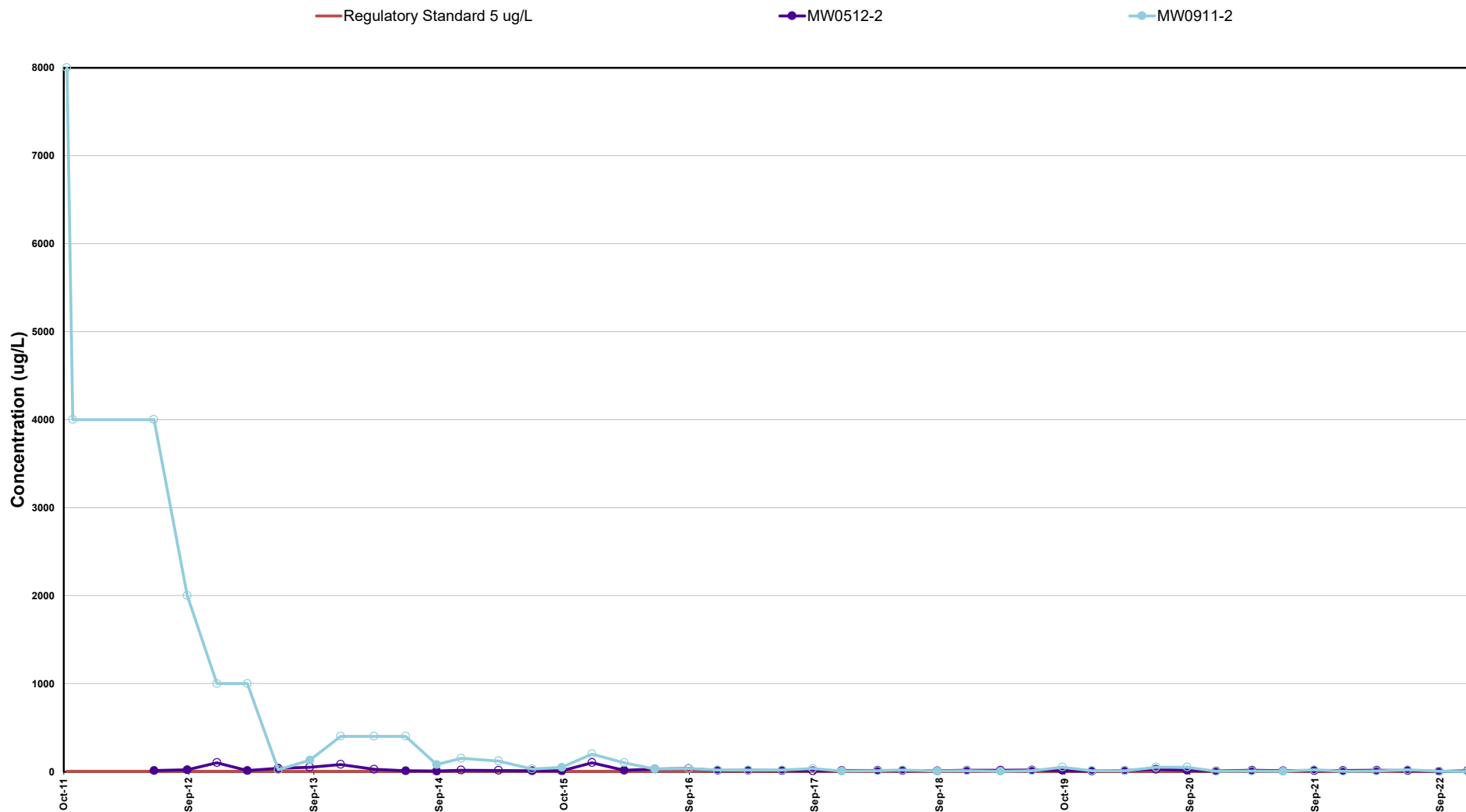
AOC-3



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

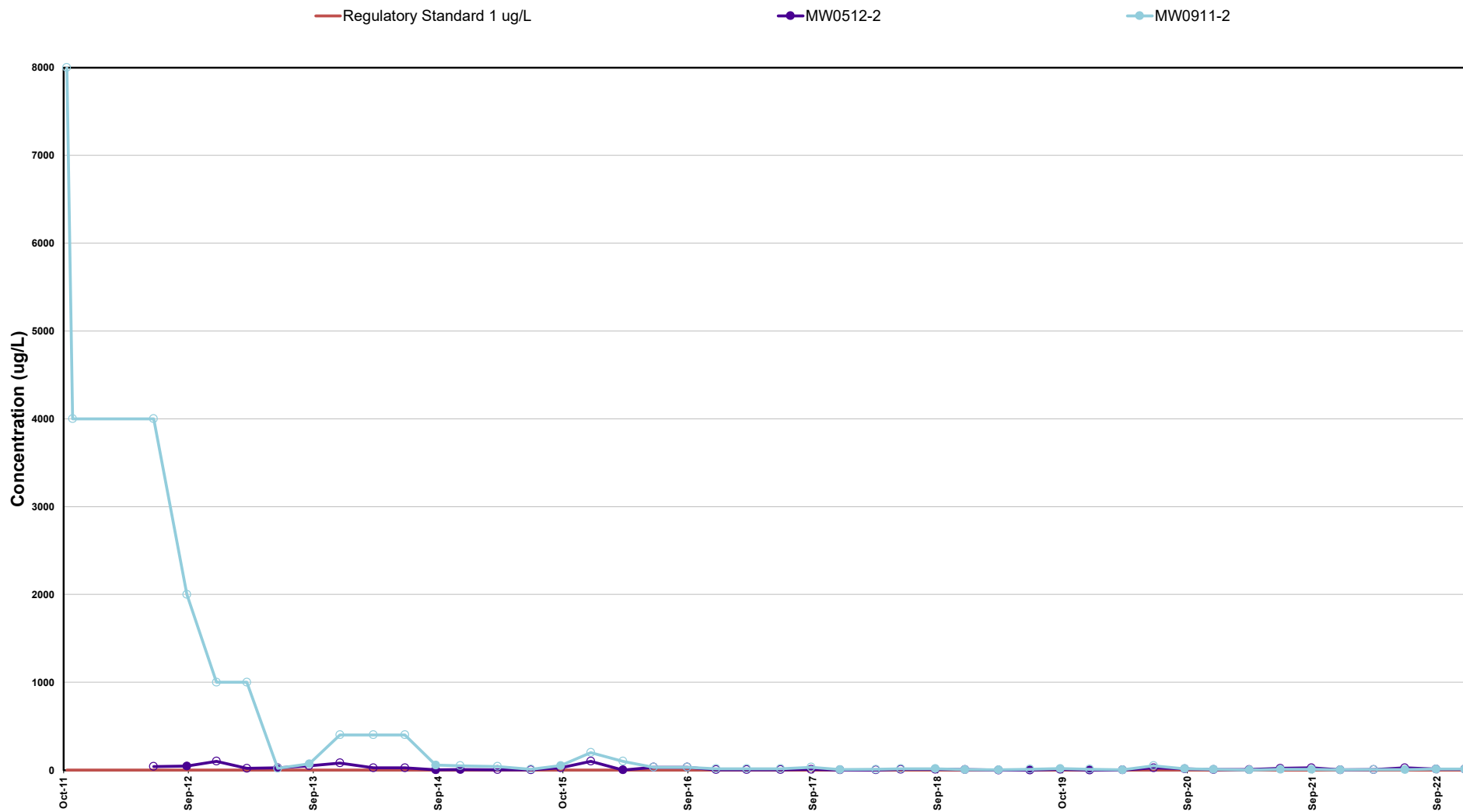
AOC-3



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

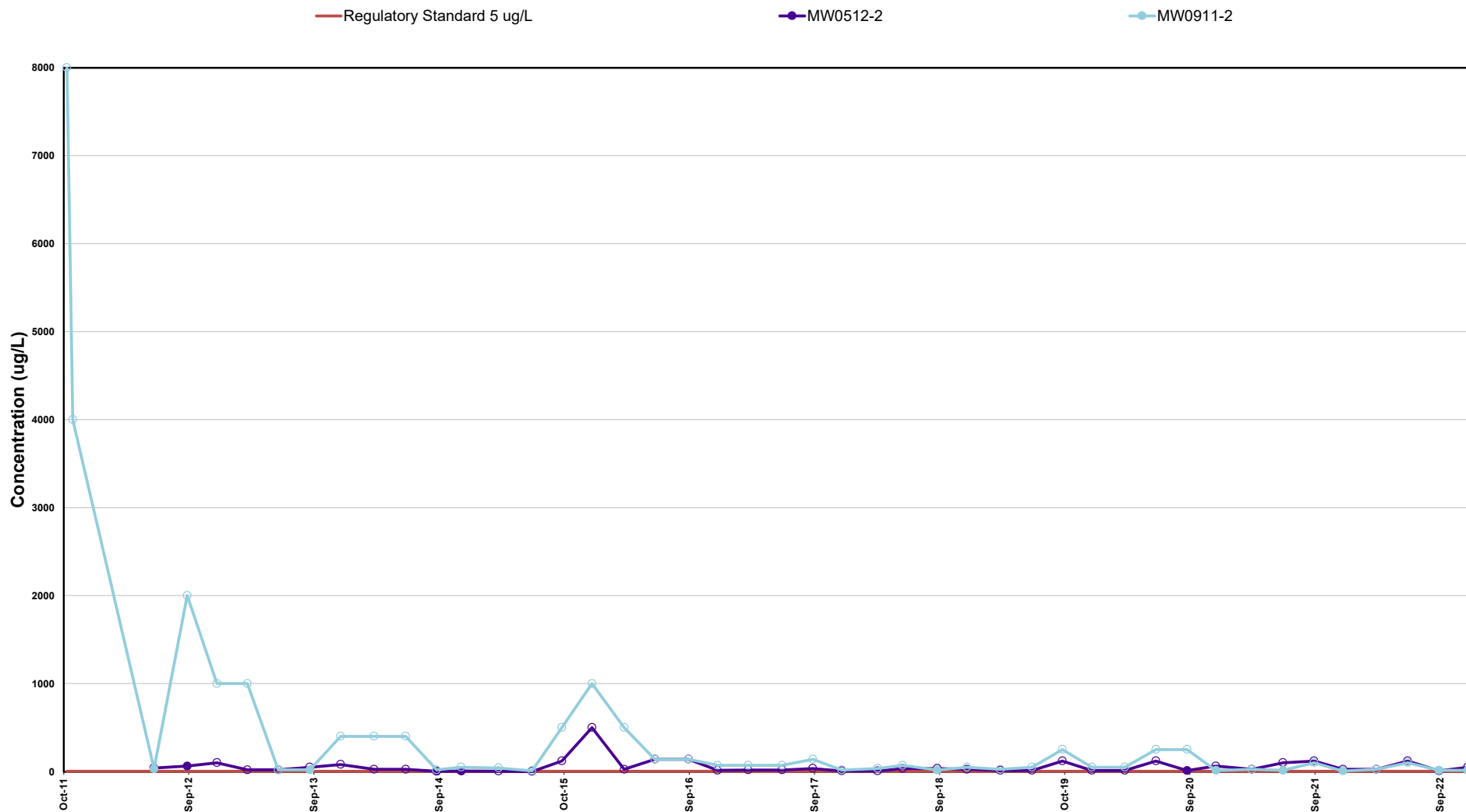
AOC-3



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

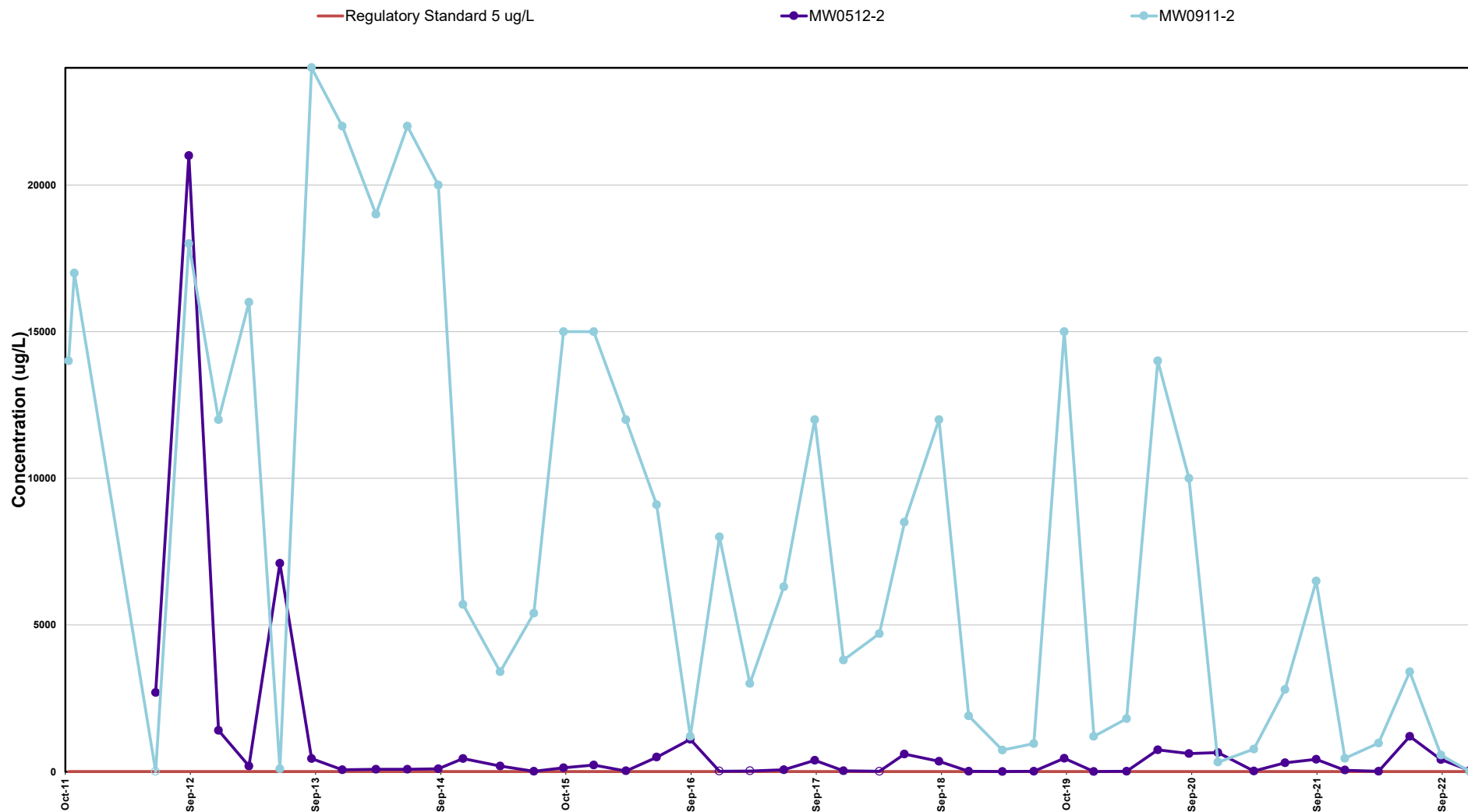
AOC-3



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

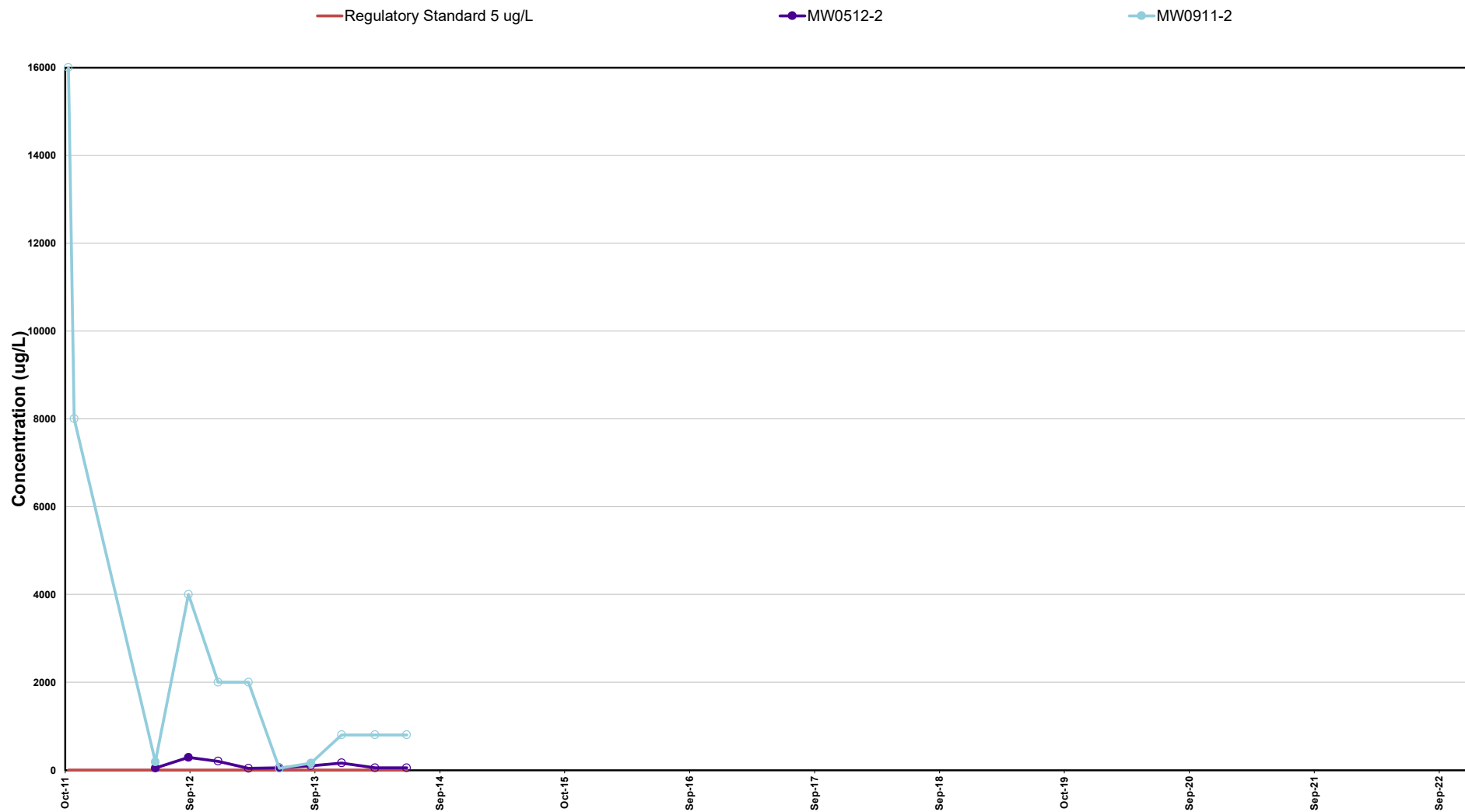
AOC-3



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

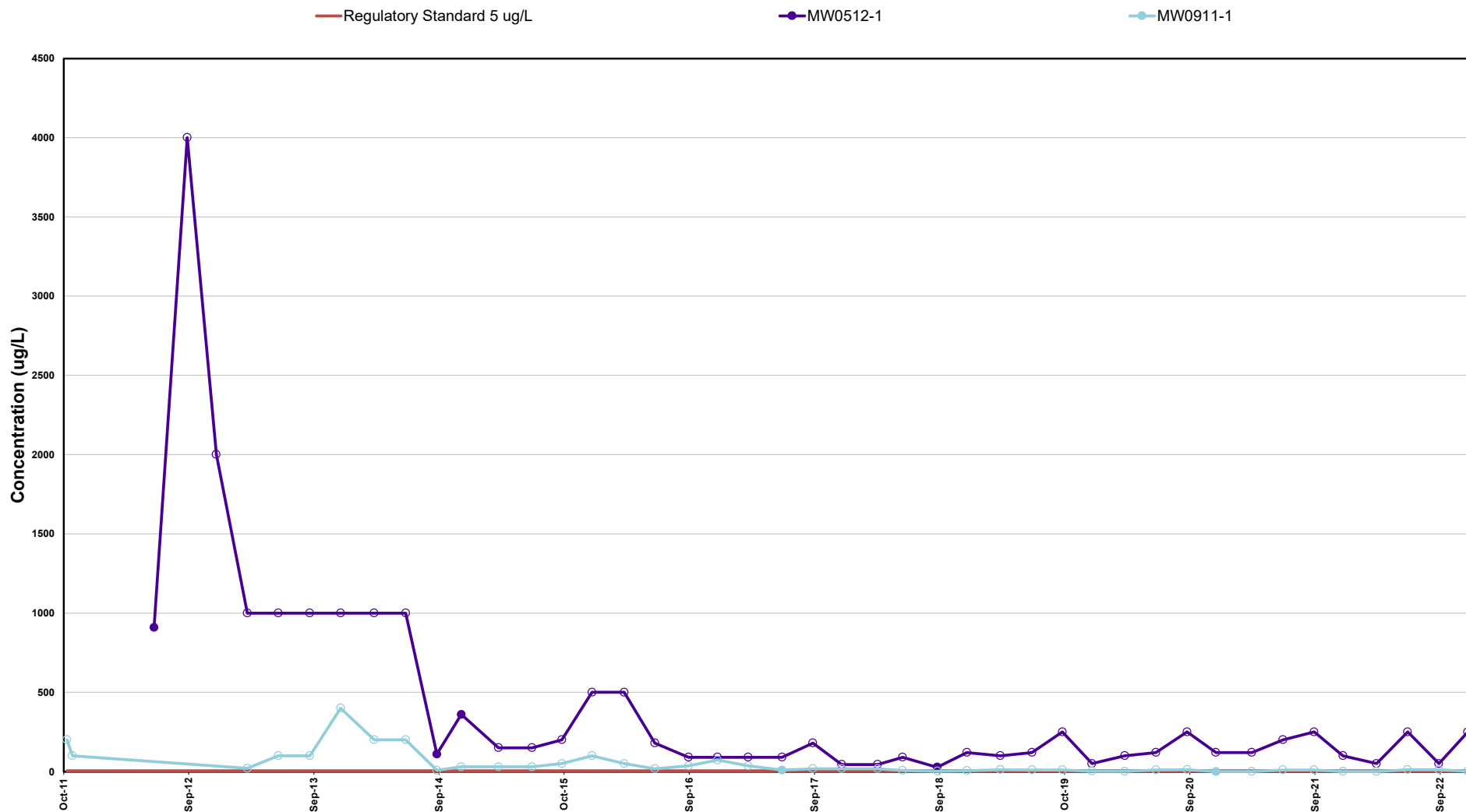


Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

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

AOC-3

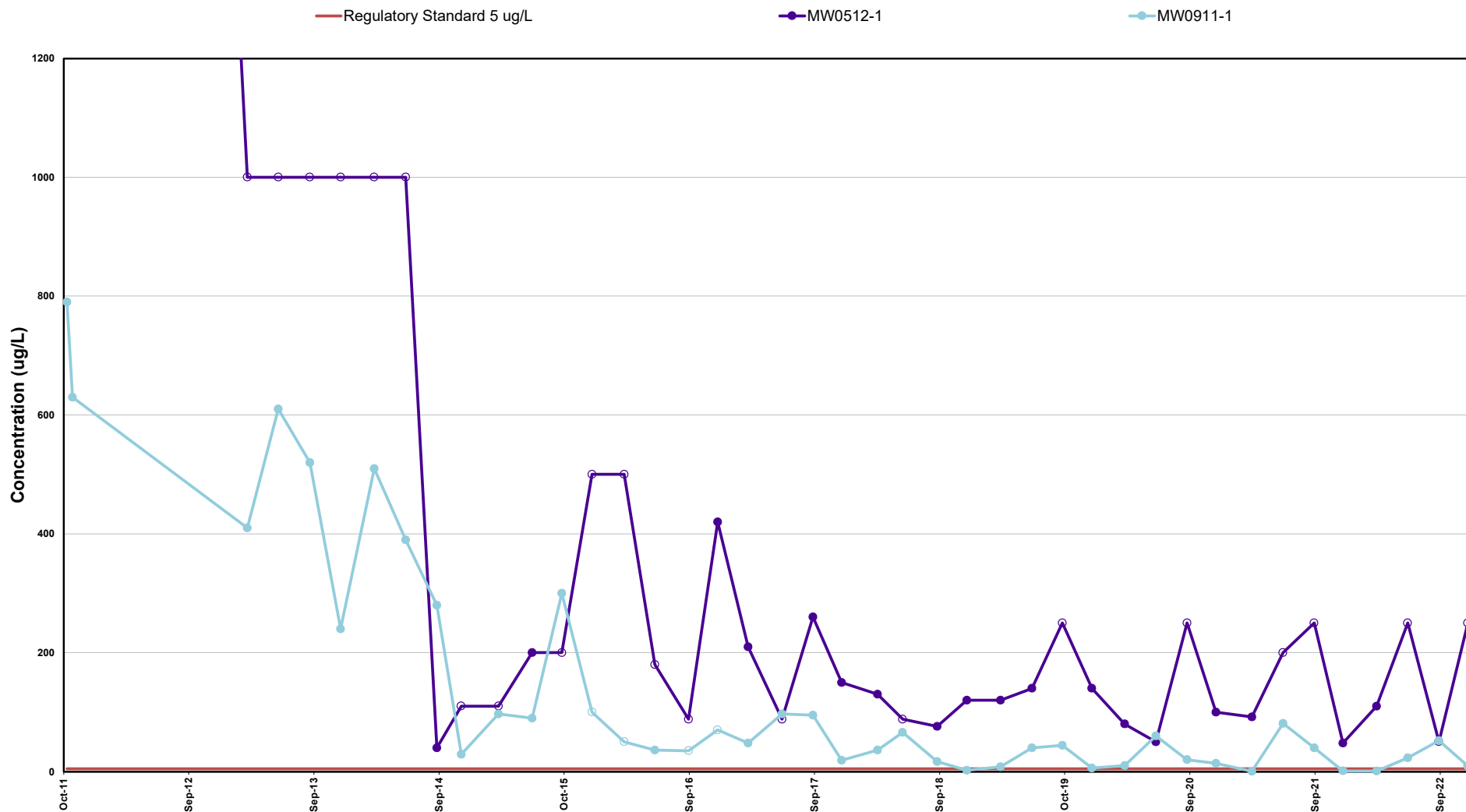
AOC-4



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

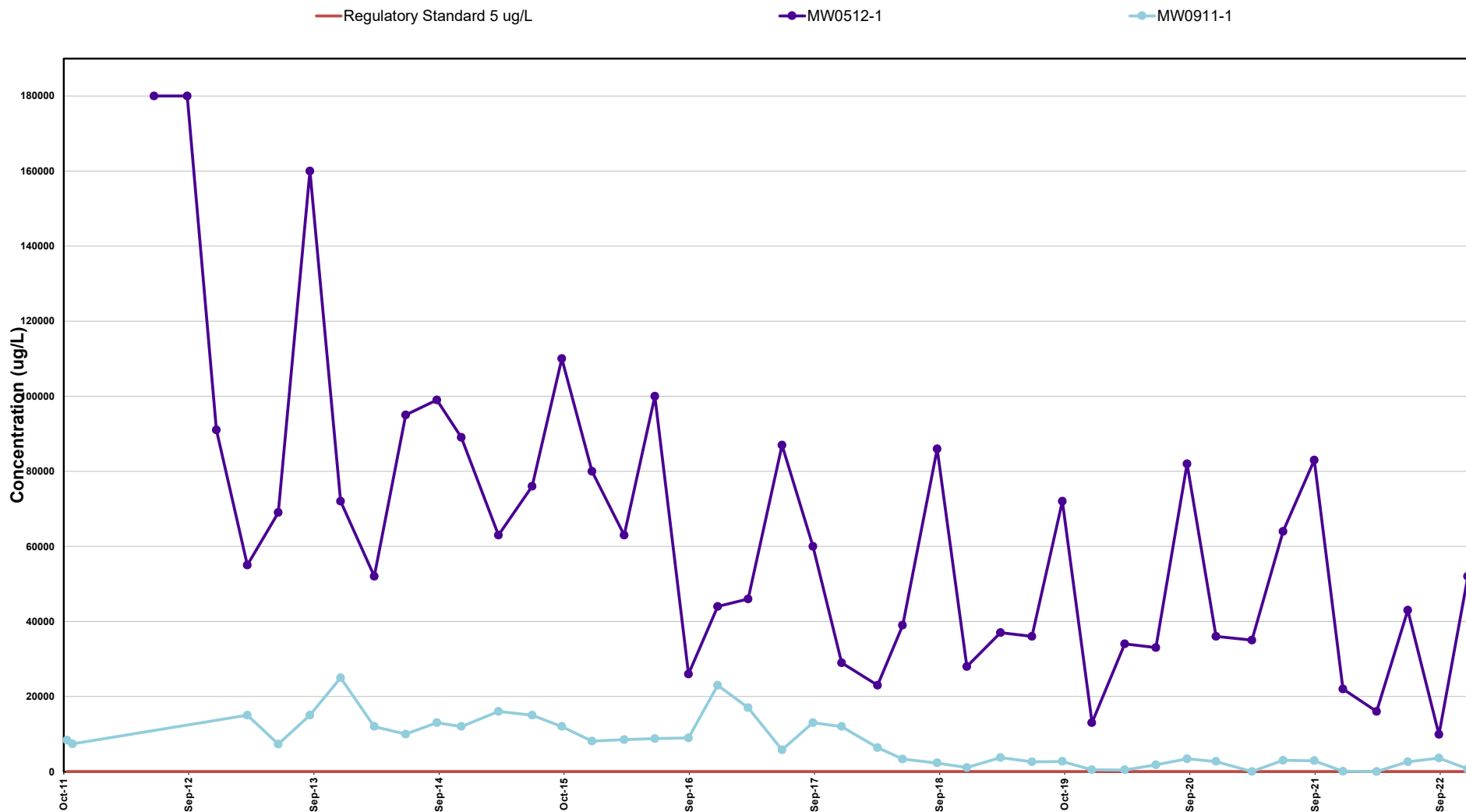
AOC-4



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

Garlock Sealing Technologies
BCP Site #C859028
Trichloroethene Trend

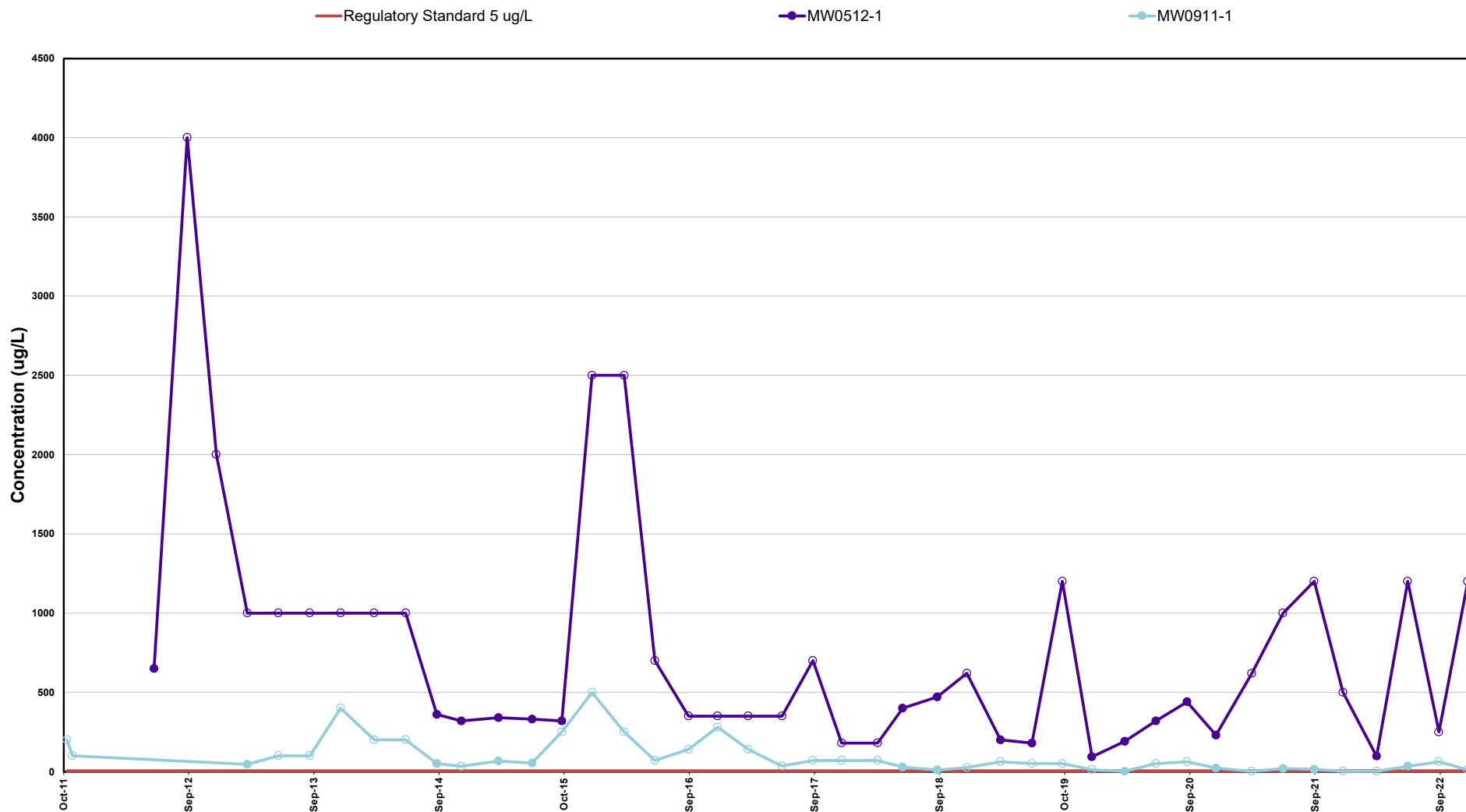
AOC-4



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

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

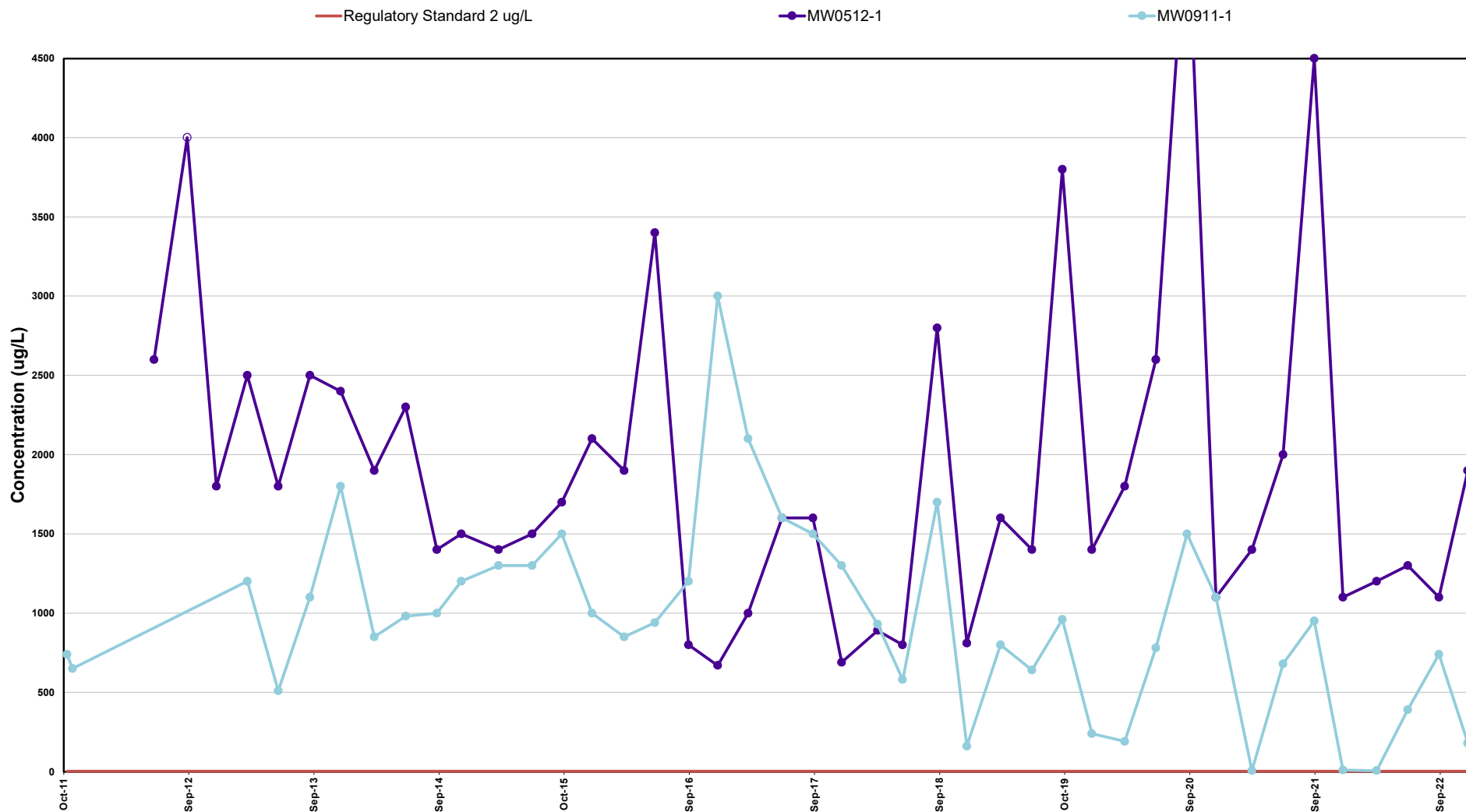
AOC-4



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

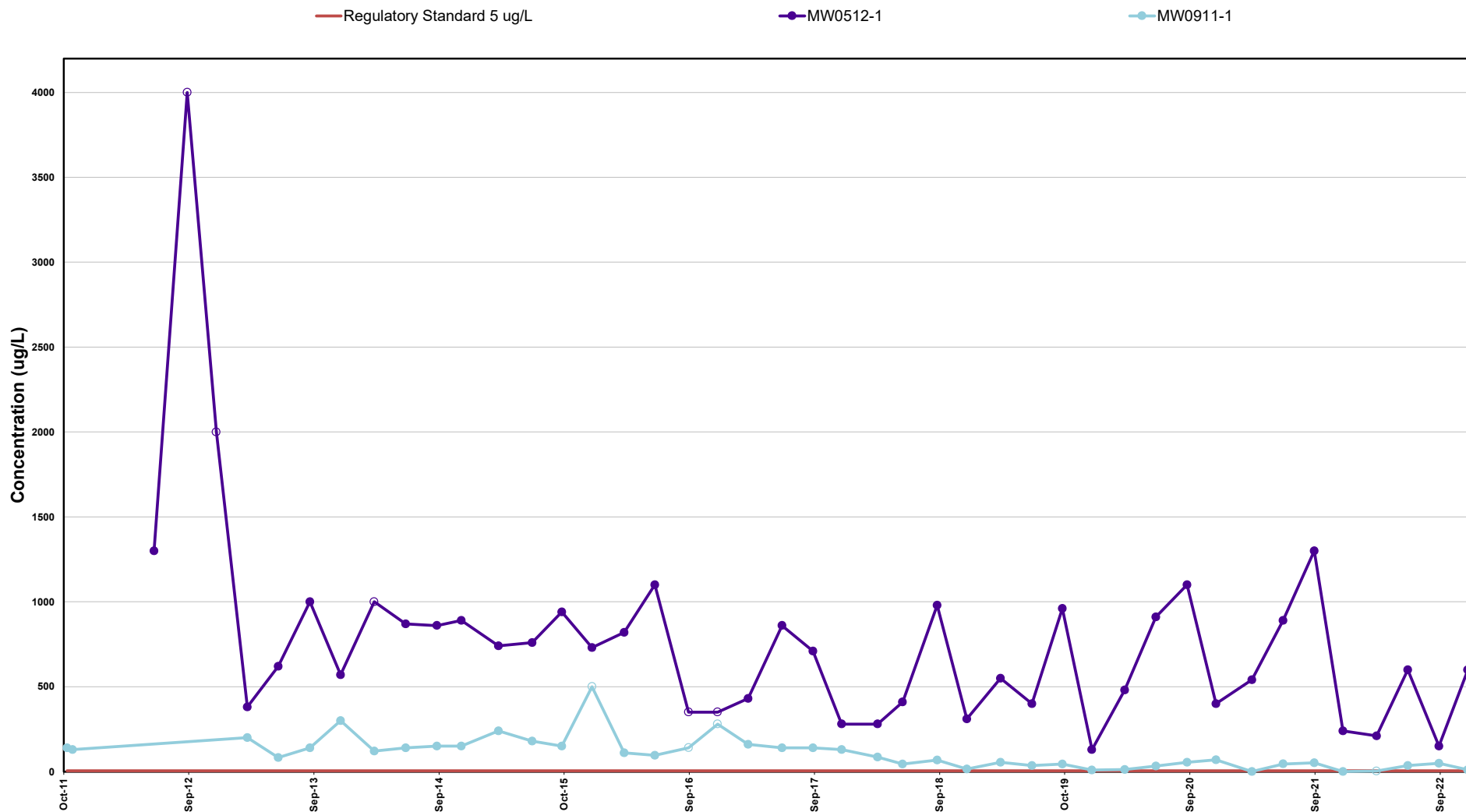
AOC-4



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

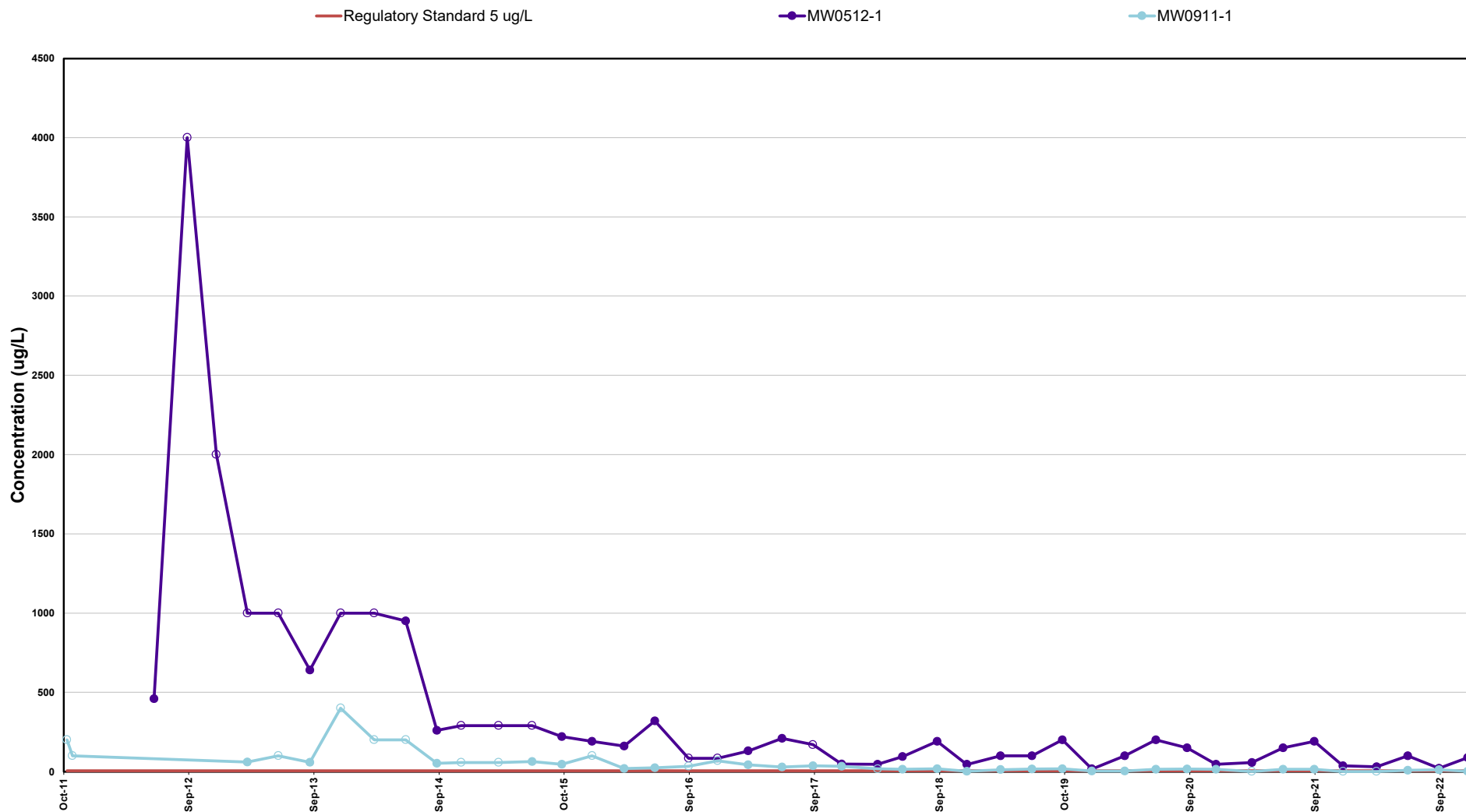
AOC-4



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

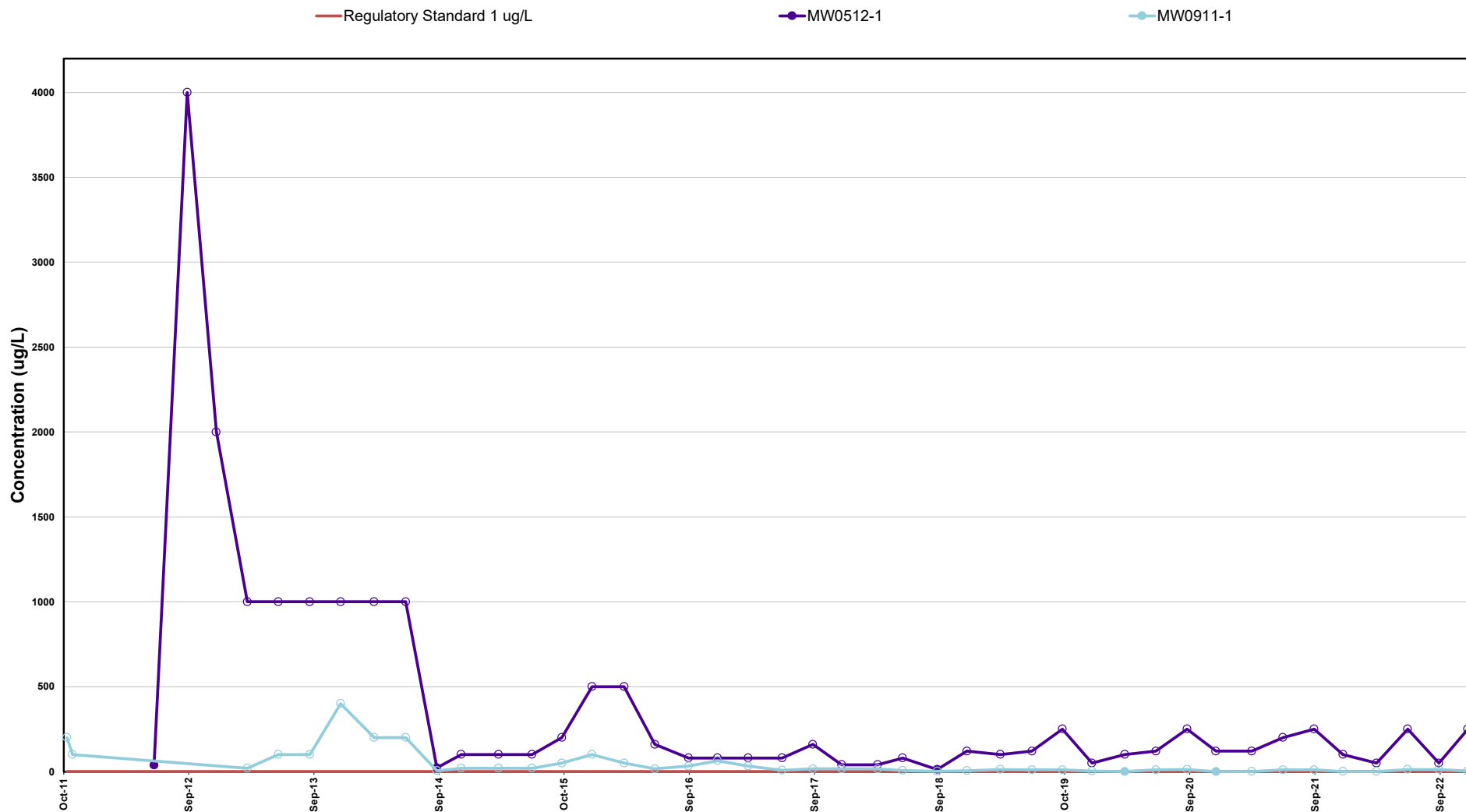
AOC-4



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

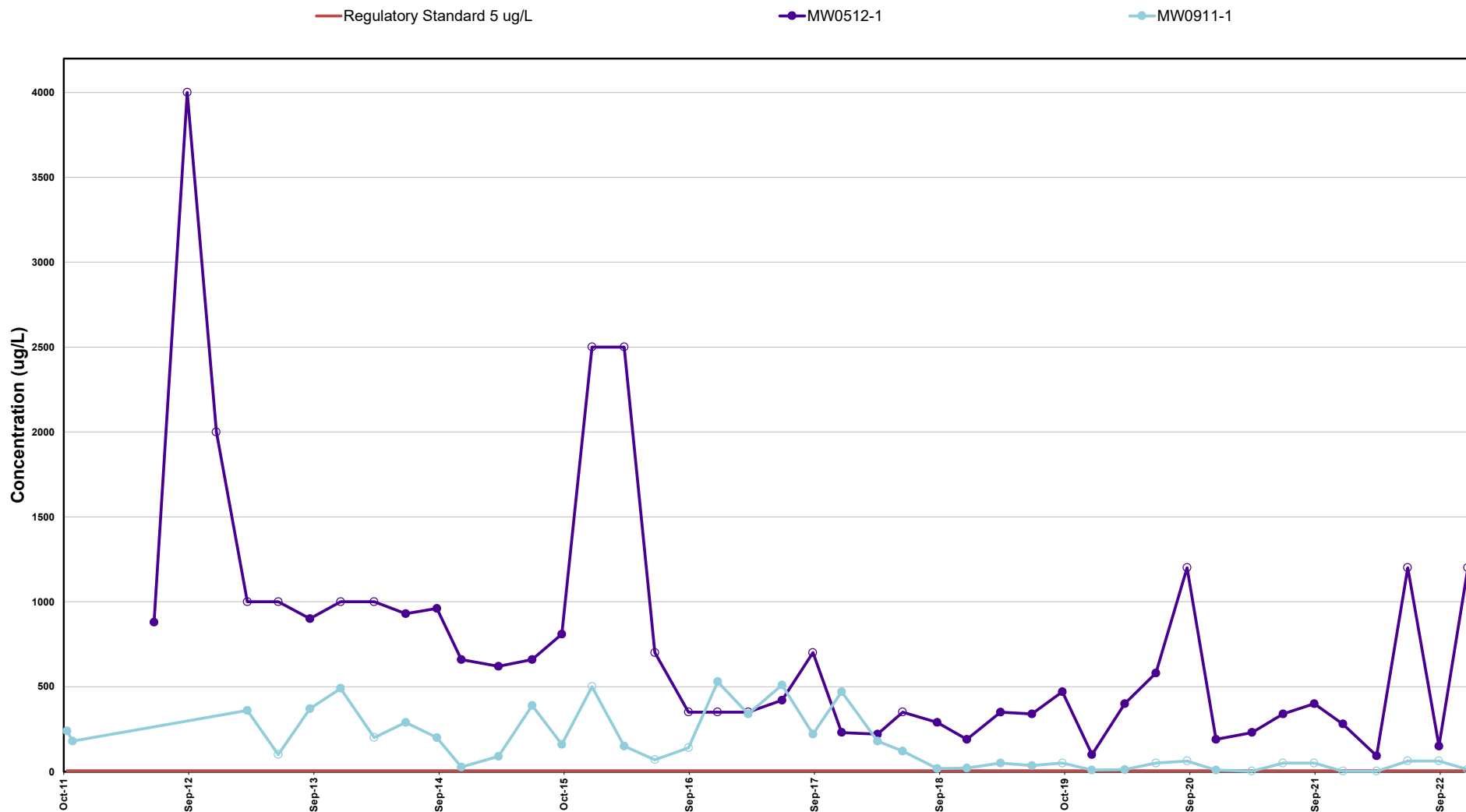
AOC-4



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

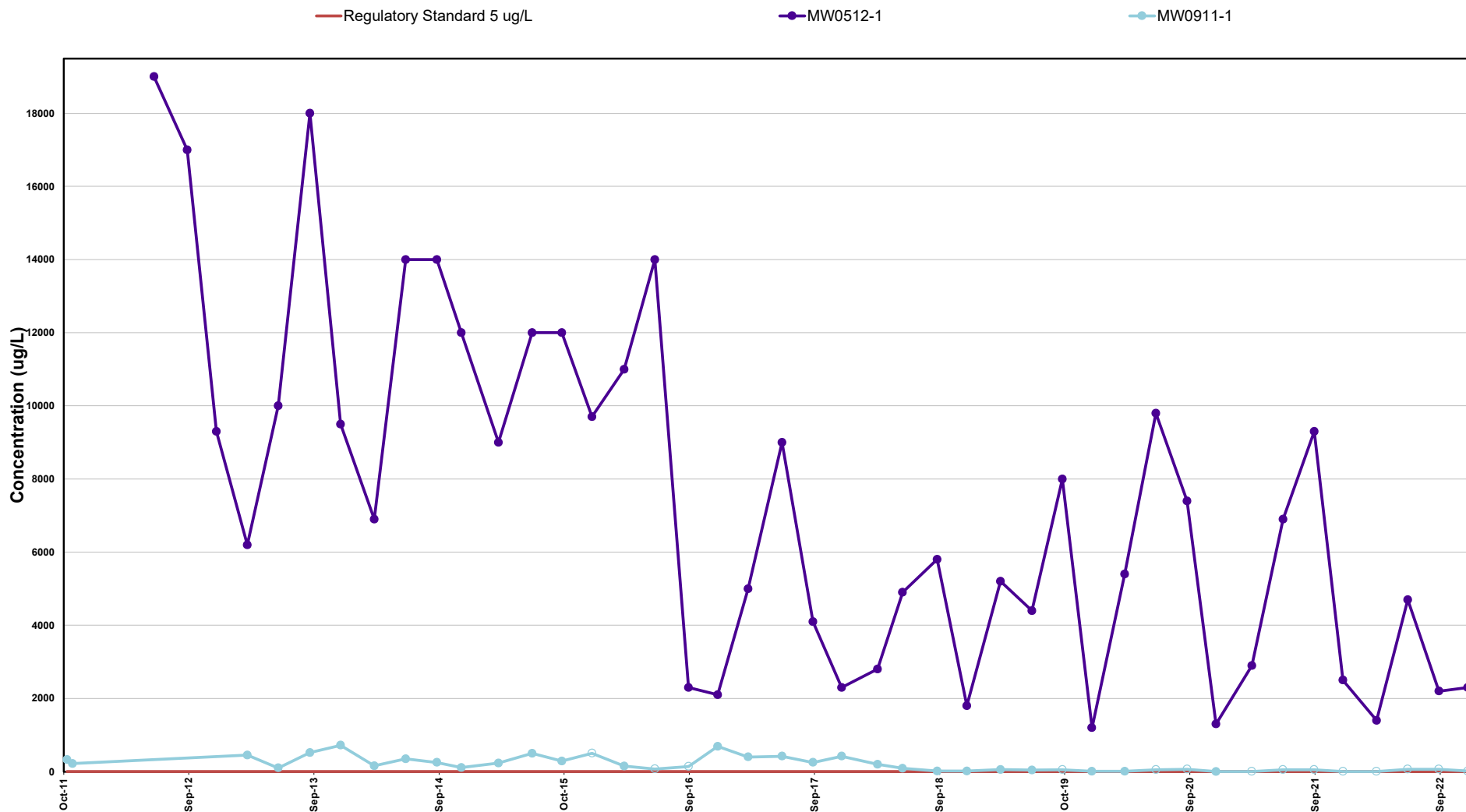
AOC-4



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

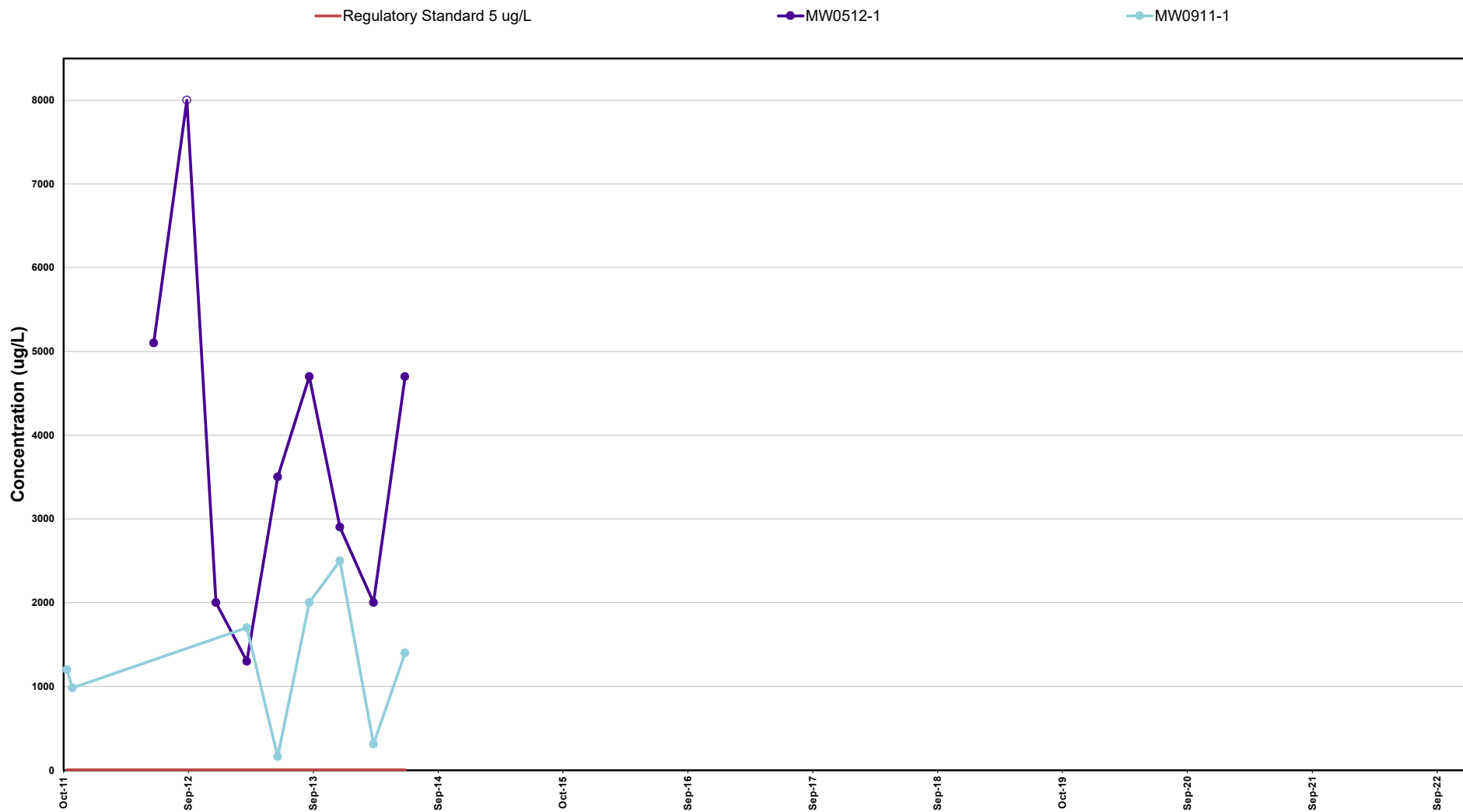
AOC-4



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

Sampling Location	Sampling Date	Tetrachloroethene	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	ug/L
	Regulatory Standard	5	5	5	5	2	5	5	50	50	1	60	5	7		5
MW0610-1	08/08/11	<40	820	2,600	<40	610	-	<40	-	-	-	-	-	-	-	-
MW0610-1	09/29/11	<10	29	890	<10	130	-	-	-	-	-	-	-	-	-	-
MW0610-1	10/26/11	<20	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	<10	560	<10	290	<10	<10	120	210	<10	4 J	<10	<10	<10	<10
MW0610-1	09/26/12	<5	<5	330	<5	400	<5	<5	<50	<50	<5	5.6	<5	<5	<5	<5
MW0610-1	12/21/12	<5	2.5 J	220	<5	170	<5	<5	<50	<50	<5	<5	<5	<5	<5	7.3
MW0610-1	03/21/13	<5	2.3 J	200	<5	220	<5	<5	<50	<50	<5	<5	<5	<5	<5	3.9 J
MW0610-1	09/19/13	<5	<5	250	<5	250	<5	<5	<50	<50	<5	<5	<5	<5	<5	<5
MW0610-1	12/18/13	<1	1.3	86	<1	92	<1	<1	<10	<10	<1	<1	<1	<1	<1	1.3
MW0610-1	03/26/14	<1	1.8	89	<1	82	<1	<1	<10	<10	<1	<1	<1	<1	<1	<1
MW0610-1	06/26/14	<1	0.59 J	46	<1	49	<1	<1	<10	<10	<1	<1	<1	<1	<1	<1
MW0610-1	09/24/14	<0.3	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	<0.3	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	<0.3	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	<0.3	<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	<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	<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	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	<0.18	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	<0.18	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	<0.18	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	<0.18	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	<0.18	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	<0.18	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	<0.18	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	<0.18	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	<0.18	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	<0.18	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	<0.50	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	<0.50	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	<0.50	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	<0.50	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	<0.50	1.9	61	<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	<0.50	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	<0.50	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	<0.50	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	<0.50	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	<0.50	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	<0.50	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	<0.50	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	<0.50	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
MW0610-1	03/29/22	<1.0	4.4	180	1.8 J	240	<5.0	0.41 J	<10	<10	<1.0	<10	<5.0	<5.0	<20	<5.0
MW0610-1	06/28/22	<1.0	7.1	220	2.0 J	260	<5.0	0.61 J	<10	<10	<1.0	<10	<5.0	<5.0	<20	<5.0
MW0610-1	09/27/22	<1.0	5.0	210	2.1 J	280	<5.0	0.58 J	<10	<10	<1.0	<10	<5.0	<5.0	<20	<5.0
MW0610-1	12/20/22	<0.50	2.8	150	1.6 J	160	<2.5	0.41 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 NYSDCE 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	Tetrachloroethene	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
	Regulatory Standard	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
MW0811-1	08/08/11	<100	99	6,300	<100	800	-	<100	-	-	-	-	-	-	-	-
MW0811-1	09/29/11	<20	<20	670	47	1,500	-	-	-	-	-	-	-	-	-	-
MW0811-1	10/26/11	<10	<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	<10	670	<10	370	<10	<10	120	42 J	<10	<10	<10	<10	<10	<10
MW0811-1	09/26/12	<10	<10	570	<10	350	<10	<10	96 J	48 J	<10	<10	<10	<10	<10	<10
MW0811-1	12/21/12	<10	<10	510	<10	130	<10	<10	<100	<100	<10	8.7 J	<10	<10	<10	<10
MW0811-1	03/21/13	<10	<10	490	<10	280	<10	<10	<100	<100	<10	<10	<10	<10	<10	<10
MW0811-1	06/19/13	<10	<10	460	<10	180	<10	<10	<100	<100	<10	<10	<10	<10	<10	<10
MW0811-1	09/19/13	<10	<10	420	<10	140	<10	<10	<100	<100	<10	2.7 J	<10	<10	<10	<10
MW0811-1	12/18/13	<5	<5	340	<5	180	<5	<5	<50	<50	<5	<5	<5	<5	<5	<5
MW0811-1	03/26/14	<5	<5	320	<5	190	<5	<5	<50	<50	<5	<5	<5	<5	<5	<5
MW0811-1	06/26/14	<5	<5	420	<5	220	<5	<5	<50	<50	<5	<5	<5	<5	<5	<5
MW0811-1	09/24/14	<0.3	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	<0.75	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	<0.6	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	<0.6	<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	<2	260	<10	400	<10	<2	<20	8.1 J	<2	<20	<10	<10	<40	<10
MW0811-1	12/21/15	<2.5	<2.5	210	<12	300	<12	<2.5	<25	<25	<2.5	<25	<12	<12	<50	<12
MW0811-1	03/24/16	<1	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	<0.36	<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	<0.72	<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	<0.45	<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	<0.9	<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	<1.8	130	<7	730	<7	<1.7	<19	<15	<1.6	<10	<7	<7	<4	<7
MW0811-1	09/26/17	<0.18	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	<0.9	<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	<1.8	130	<7	640	<7	<1.7	<19	<15	<1.6	<10	<7	<7	<4	<7
MW0811-1	06/15/18	<0.9	<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	<0.45	<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	<2.5	190	<12	700	<12	<2.5	<25	<25	<2.5	<25	<12	<12	<50	<12
MW0811-1	03/27/19	<2.0	<2.0	130	<10	710	<10	<2.0	<20	<20	<2.0	<20	<10	<10	<40	<10
MW0811-1	06/27/19	<5.0	<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	<2.5	100	<12	720	<12	<2.5	<25	<25	<2.5	<25	<12	<12	<50	<12
MW0811-1	12/19/19	<5.0	<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	<2.5	190	<12	930	<12	<2.5	<25	<25	<2.5	<25	<12	<12	<50	<12
MW0811-1	06/23/20	<2.5	<2.5	94	<12	740	<12	<2.5	<25	<25	<2.5	<25	<12	<12	<50	<12
MW0811-1	09/22/20	<5.0	<5.0	120	<25	840	<25	<5.0	<50	<50	<5.0	<50	<25	<25	<100	<25
MW0811-1	12/15/20	<2.5	<2.5	240	<12	990	<12	<2.5	<25	<25	<2.5	<25	<12	<12	<50	<12
MW0811-1	03/30/21	<5.0	<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	<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	<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	<5.0	270	<25	940	<25	<5.0	<50	<50	<5.0	<50	<25	<25	<100	<25
MW0811-1	03/29/22	<2.5	<2.5	350	<12	1,200	<12	<2.5	<25	<25	<2.5	<25	<12	<12	<50	<12
MW0811-1	06/28/22	<2.5	<2.5	340	<12	920	<12	<2.5	<25	<25	<2.5	<25	<12	<12	<50	<12
MW0811-1	09/27/22	<1.2	<1.2	290	<6.2	1,100	<6.2	<1.2	<12	<12	<1.2	<12	<6.2	<6.2	<25	<6.2
MW0811-1	12/20/22	<0.50	<0.50	270	0.99 J	920	<2.5	0.25 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	Tetrachloroethene	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
	Regulatory Standard	5	5	5	5	2	5	5	50	50	1	60	5	7	ug/L	5
MW-63	08/08/11	<1	<1	61	<1	<1	-	<1	-	-	-	-	-	-	-	-
MW-63	09/29/11	<4	2.3	180	<4	23	-	-	-	-	-	-	-	-	-	-
MW-63	10/26/11	<2	<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	<4	3.4 J	540	<4	330	<4	<4	<40	<40	<4	<4	<4	<4	<4	<4
MW-63	09/26/12	<4	<4	280	<4	180	<4	<4	<40	<40	<4	<4	<4	<4	<4	<4
MW-63	12/21/12	<4	2.4 J	300	<4	130	<4	<4	<40	<40	<4	<4	<4	<4	<4	<4
MW-63	03/21/13	<4	2.3 J	500	<4	300	<4	<4	<40	<40	<4	<4	<4	<4	<4	<4
MW-63	06/19/13	<8	<8	490	<8	330	<8	<8	<80	<80	<8	<8	<8	<8	<8	<8
MW-63	09/19/13	<8	<8	380	<8	220	<8	<8	<80	<80	<8	<8	<8	<8	<8	<8
MW-63	12/18/13	<5	<5	320	<5	190	<5	<5	<50	<50	<5	<5	<5	<5	<5	<5
MW-63	03/26/14	<5	2.3 J	500	<5	310	<5	<5	<50	<50	<5	<5	<5	<5	<5	<5
MW-63	06/26/14	<5	<5	480	<5	290	<5	<5	<50	<50	<5	<5	<5	<5	<5	<5
MW-63	09/24/14	<0.3	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	<0.6	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	<0.6	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	<0.6	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	<2	240	<10	270	<10	<2	<20	7.7 J	<2	<20	<10	<10	<40	<10
MW-63	12/21/15	<1.2	<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	<2	280	<10	260	<10	0.58 J	<20	<20	<2	<20	<10	<10	1.8 J	<10
MW-63	06/22/16	<0.9	<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	<0.72	<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	<1.8	470	<7	360	<7	<1.7	<19	<15	<1.6	<10	<7	<7	<4	<7
MW-63	03/21/17	<1.8	<1.8	440	<7	410	<7	<1.7	<19	<15	<1.6	<10	<7	<7	<4	<7
MW-63	06/28/17	<0.18	<0.18	<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	<0.36	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	<0.45	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	<0.9	<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	<0.9	<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	<0.45	<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	<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	<0.50	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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<1.0	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	<1.2	300	<6.2	270	<6.2	0.82 J	<12	<12	<1.2	<12	<6.2	<6.2	<25	<6.2
MW-63	03/29/22	<1.2	0.50 J	310	<6.2	290	<6.2	1.1 J	<12	<12	<1.2	<12	<6.2	<6.2	<25	<6.2
MW-63	06/28/22	<1.0	<1.0	260	1.4 J	210	<5.0	0.68 J	<10	<10	<1.0	<10	<5.0	<5.0	<20	<5.0
MW-63	09/27/22	<1.0	<1.0	270	<5.0	290	<5.0	0.65 J	<10	<10	<1.0	<10	<5.0	<5.0	<20	<5.0
MW-63	12/20/22	<0.50	<0.50	85	<2.5	89	0.77 J	0.22 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 NYSDCE 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)
	Regulatory Standard	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
		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
MW0610-1	03/29/22	13.0	175	0.9562	0.0140	0.0135	2.3	265	<10	95	2,960	1,732	0.024 J	185	0.913 J
MW0610-1	06/28/22	42.3	213	1.752	0.0186	0.0158	3.34	334	<10	85	2,830	2,078	0.058 J	146	0.694 J
MW0610-1	09/27/22	20.6	150	1.464	0.0171	0.0161	2.93	325	<4.0	240	3,380	1,743	<0.10	212	1.27
MW0610-1	12/20/22	9.35	167	1.241	0.0113	0.00888	1.89	270	2.9	110	3,030	1,842	0.066 J	159	1.07

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 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 Standard	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
MW0811-1	03/29/22	31.6	171	0.9966	0.0478	0.0417	10.3	358	19	62	1,190	2,320	0.28	672	2.67
MW0811-1	06/28/22	27.5	165	1.145	0.0414	0.0360	9.44	368	7.3	110	1,150	2,336	0.087 J	604	2.57
MW0811-1	09/27/22	21.4	141	0.8683	0.0319	0.0305	5.94	374	14	150	1,400	2,070	0.10	772	5.02
MW0811-1	12/20/22	6.07	115	0.6177	0.0411	0.0381	7.78	389	15	41	1,190	2,021	0.19	690	2.45

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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

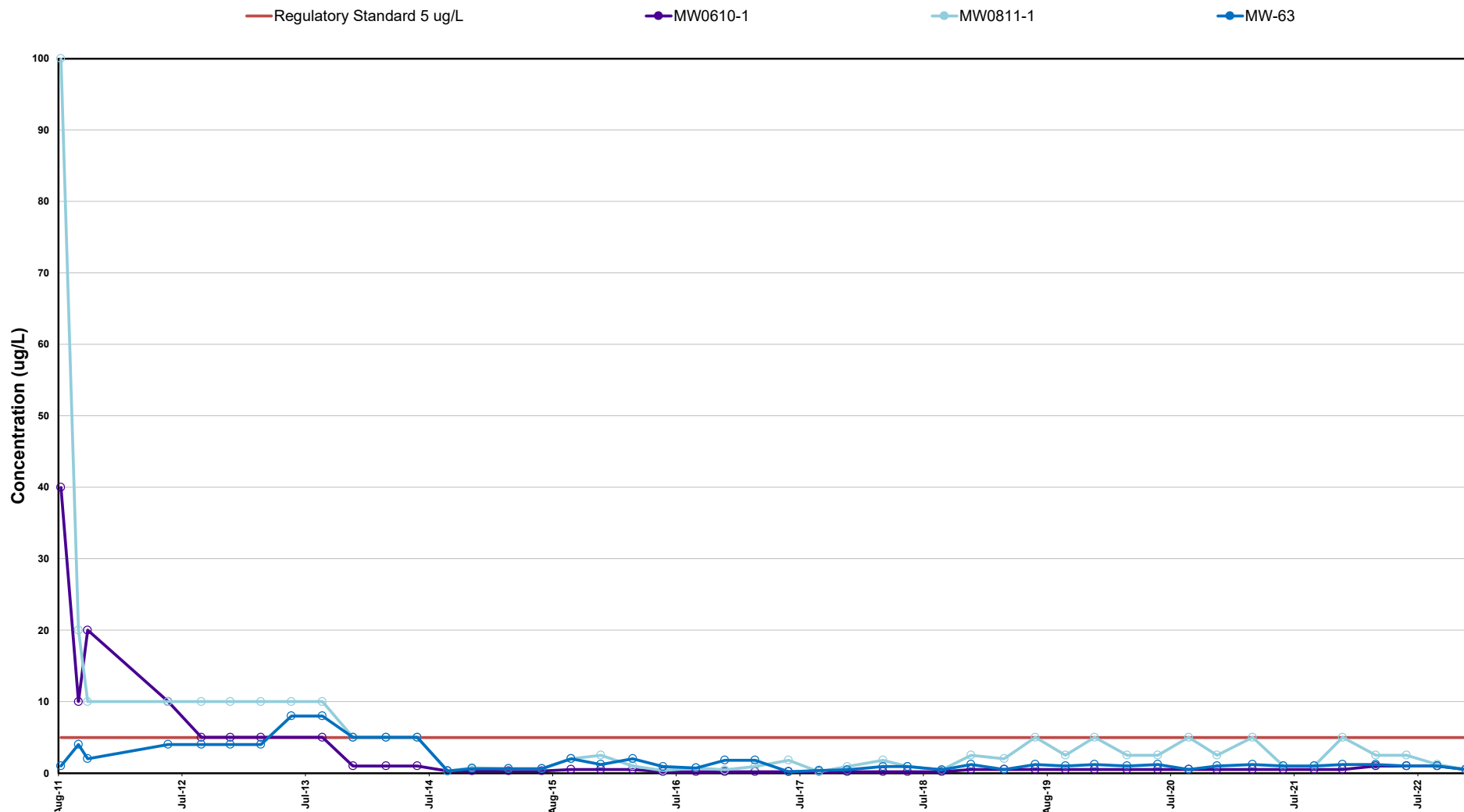


Table 7
Summary of AOC-5 Groundwater Monitoring Results

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)
	Regulatory Standard	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
MW-63	03/29/22	6.66	159	0.7721	0.00452	0.00335	0.365	350	<2.0	69	3,060	2,424	<0.10	680	0.848 J
MW-63	06/28/22	8.26	164	1.015	0.00760	0.0204	0.476	350	<4.0	75	3,210	2,487	0.086 J	673	0.490 J
MW-63	09/27/22	8.56	152	1.125	0.00716	0.0209	0.43	351	<4.0	72	3,750	2,267	<0.10	757	0.870 J
MW-63	12/20/22	9.34	167	0.9642	0.00398	0.0103	0.287	363	<2.0	59	3,290	2,608	0.046 J	649	0.848 J

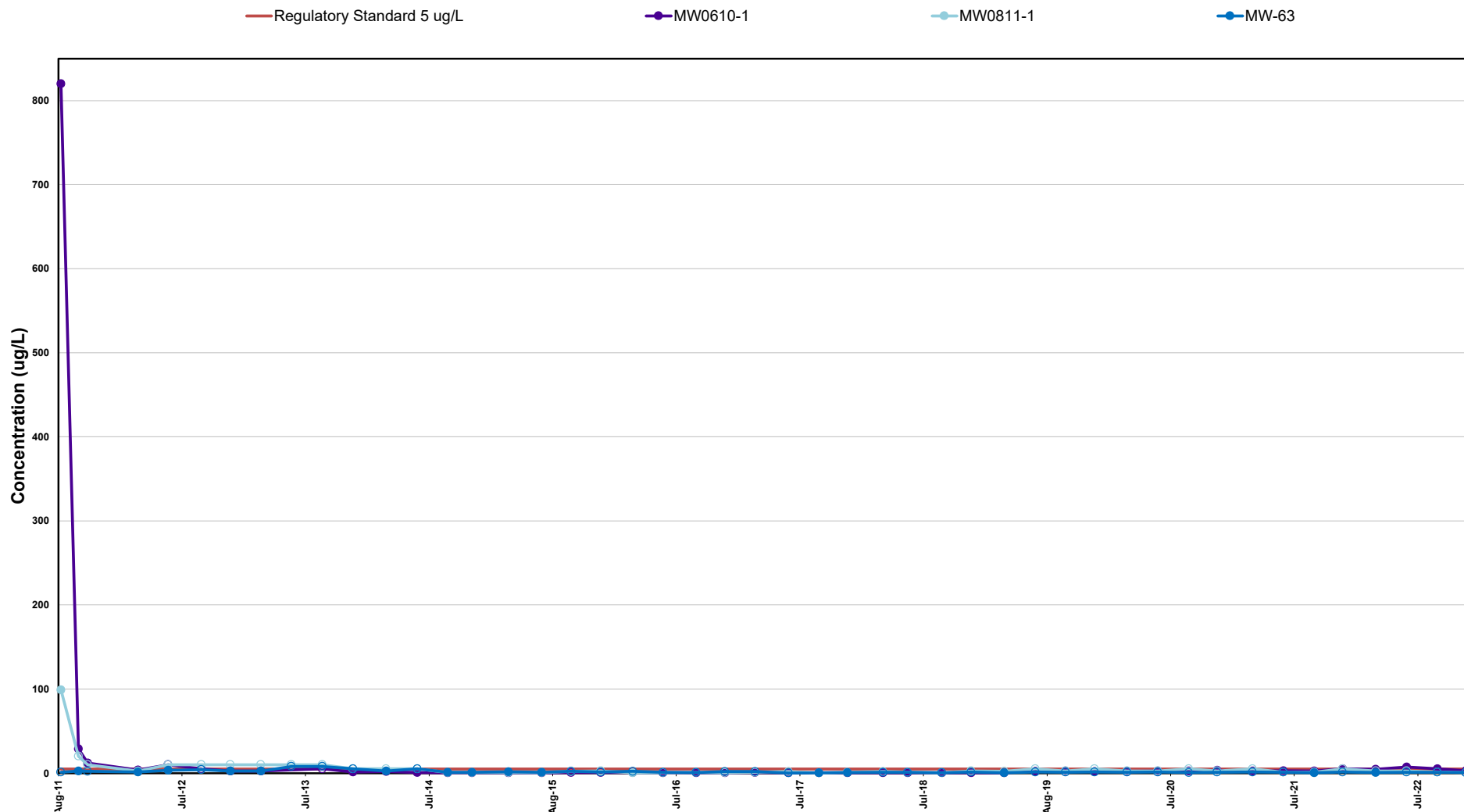
Notes:
Only analytes that exceeded Class GA Regulatory Standards in samples taken from at least one monitoring well during at least one monitoring event are included here
Regulatory Standard - Class GA Groundwater Quality Standard or Guidance Value from NYSDEC Division of Water TOGS 1.1.1 (June 1998)
-### 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

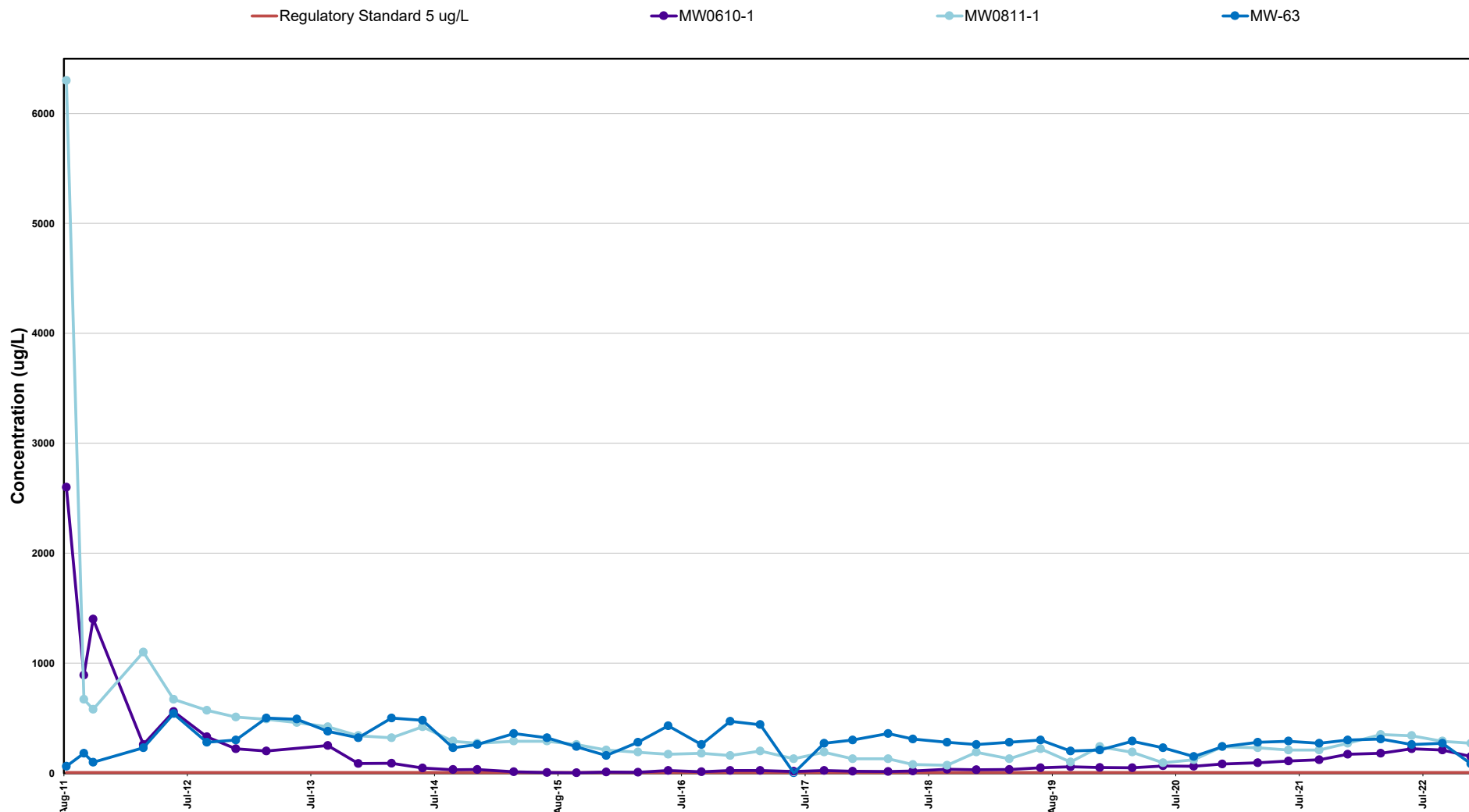
AOC-5



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

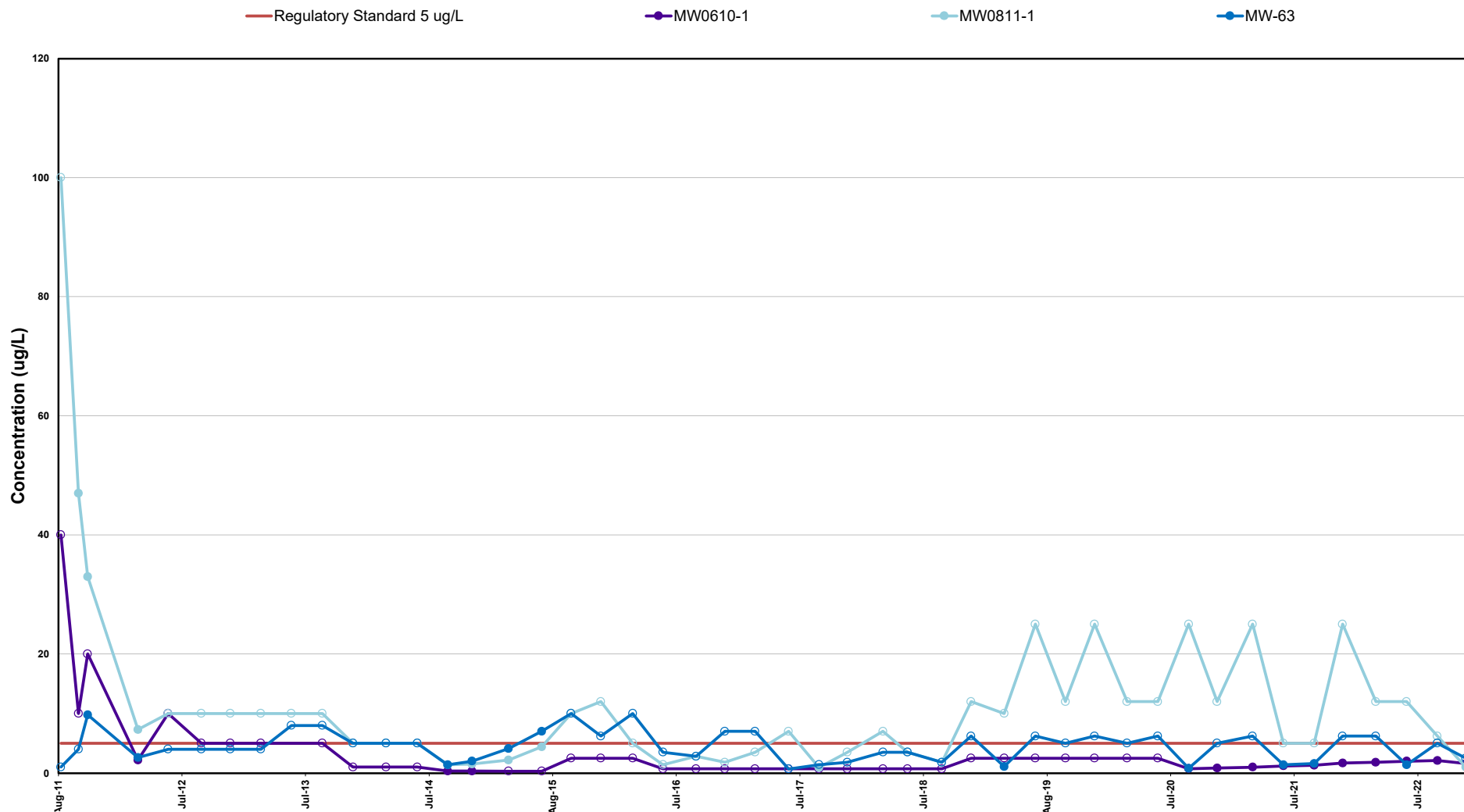
AOC-5



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

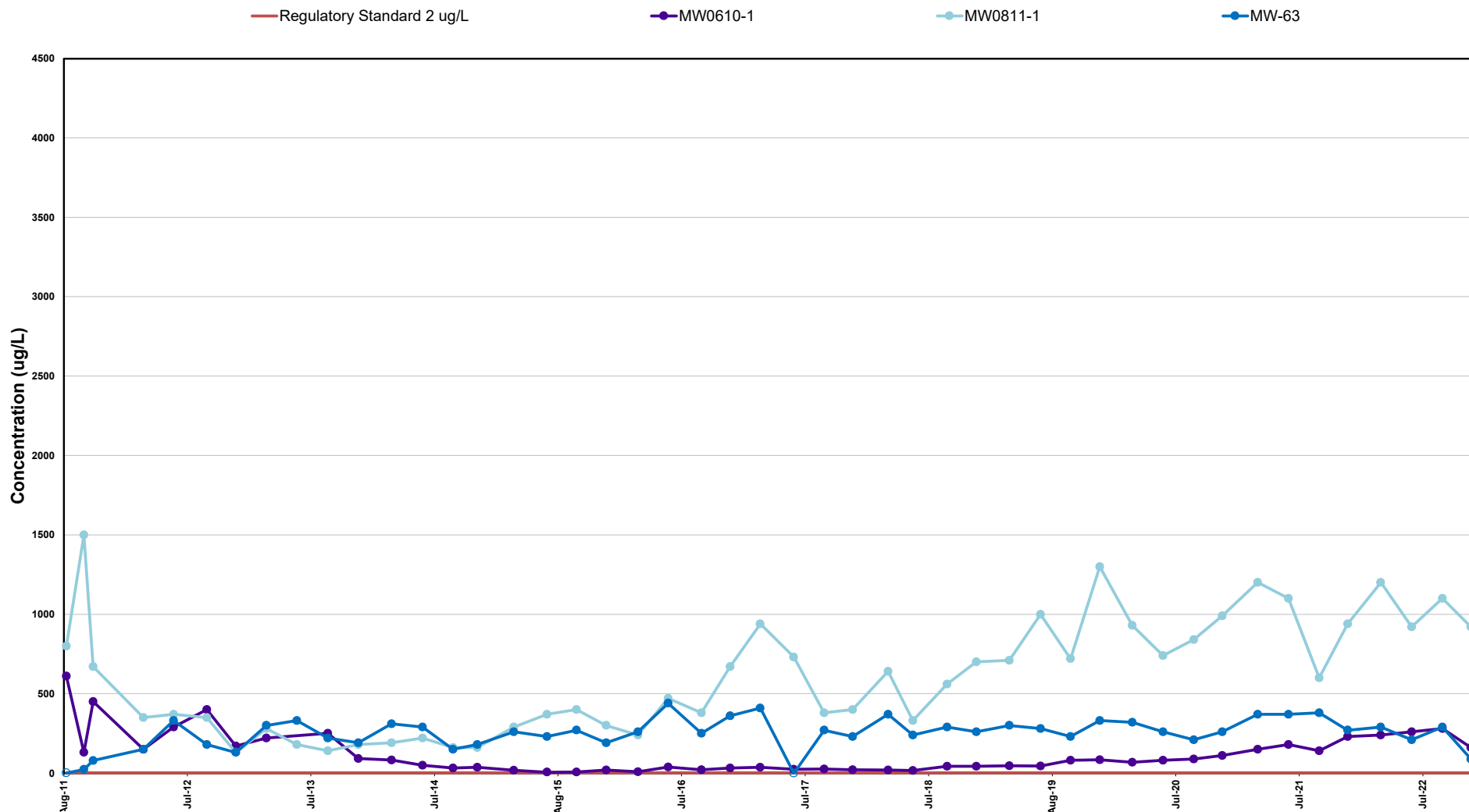
AOC-5



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

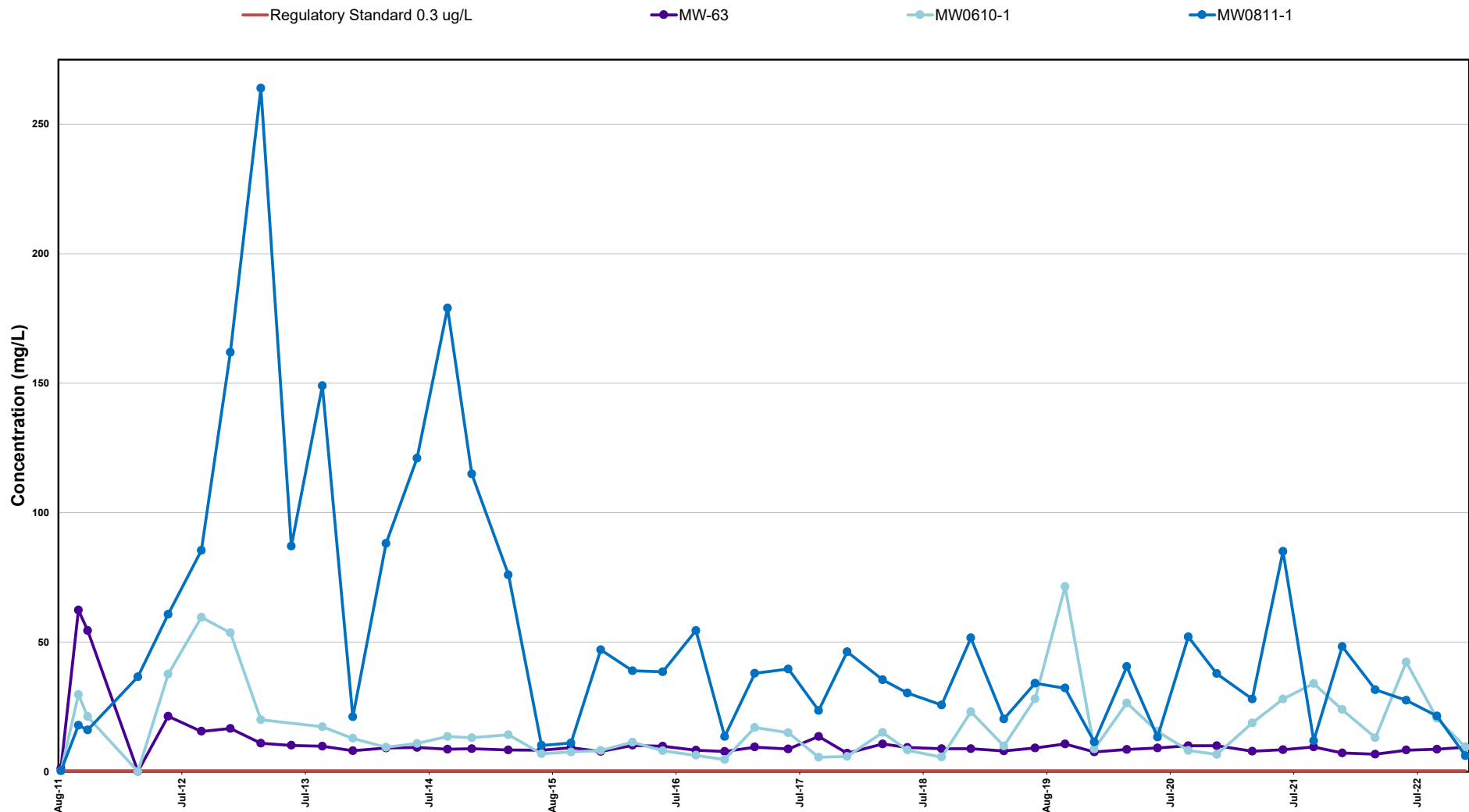
AOC-5



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

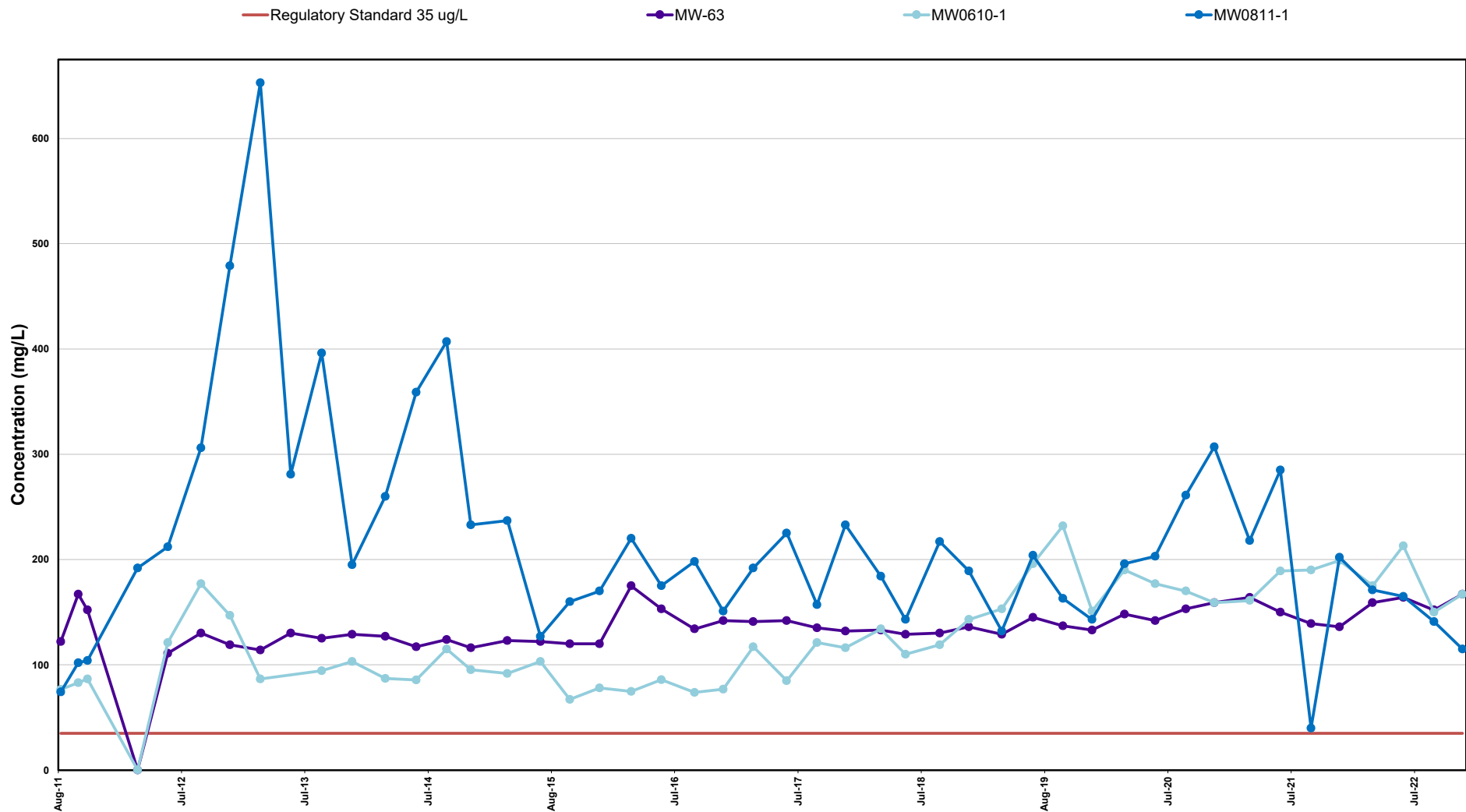
Garlock Sealing Technologies
BCP Site #C859028
Vinyl chloride Trend

AOC-5



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

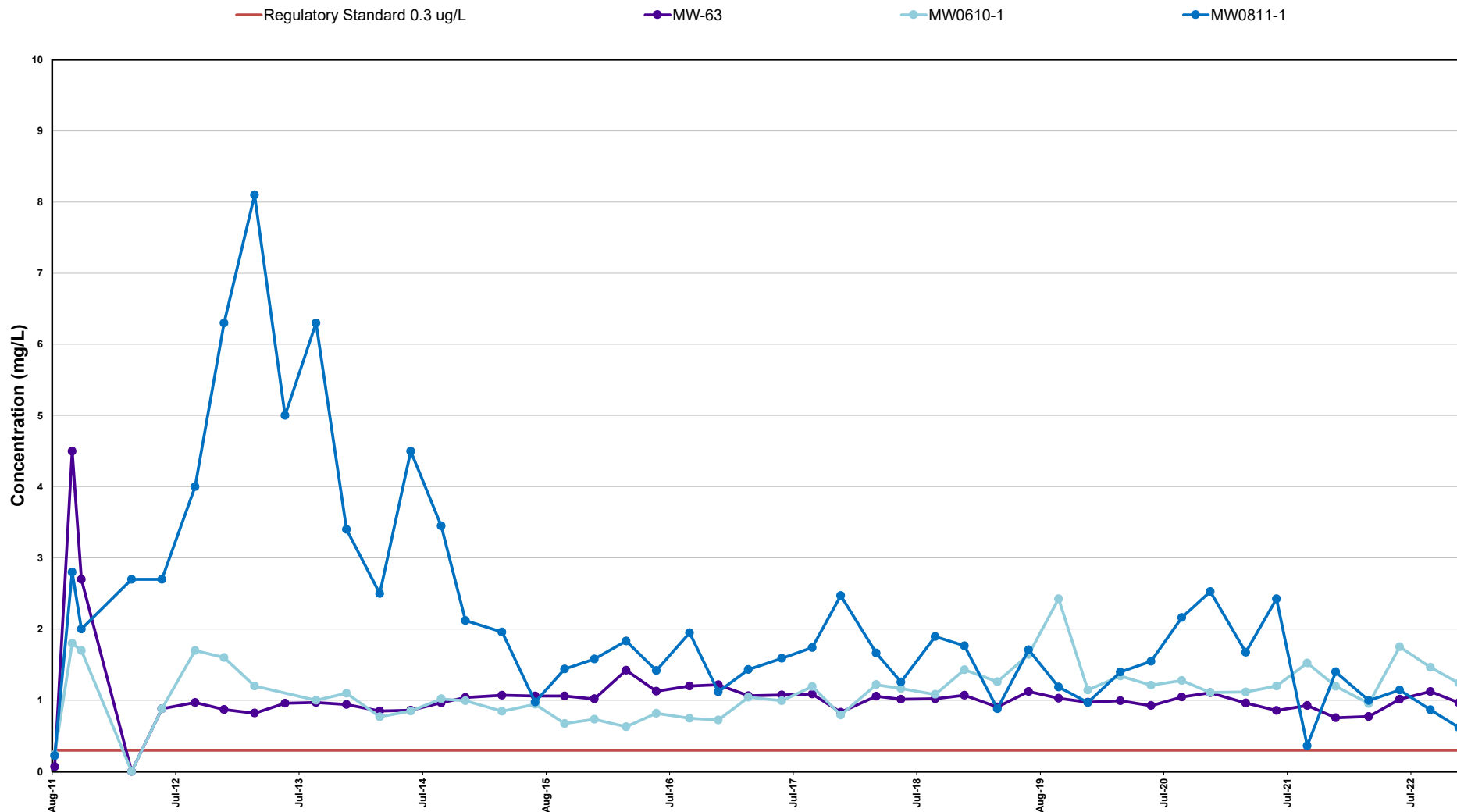
Garlock Sealing Technologies
BCP Site #C859028
Iron Trend
AOC-5



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

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											
MW0610-4	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
MW0610-4	03/29/22	1.75	49.0	0.4728	<0.000500	<0.000500	0.854	300	4.8	76	2,920	704.8	0.048 J	126	1.44
MW0610-4	06/28/22	6.16	38.5	0.5624	0.000505	<0.000500	3.13	399	<4.0	75	1,560	573.5	0.027 J	127	2.79
MW0610-4	09/27/22	6.90	48.7	0.8202	0.000821	<0.000500	4.08	534	15	64	1,830	754.2	<0.10	157	5.30
MW0610-4	12/20/22	3.26	49.3	0.7086	0.000600	<0.000500	2.06	419	9.7	41	1,520	835.8	0.024 J	136	3.32

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

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
MW0610-5	03/29/22	7.28	57.0	0.2883	0.00196	0.000678	2.02	373	22	71	3,070	898.8	<0.10	267	2.85
MW0610-5	06/28/22	9.01	58.4	0.3698	0.00288	0.00106	2.89	511	30	98	956	1,091	0.038 J	405	4.24
MW0610-5	09/27/22	1.28	52.0	0.2803	0.00261	0.000884	2.42	575	100	110	1,090	1,048	<0.10	371	6.65
MW0610-5	12/20/22	2.17	51.0	0.2448	0.00148	<0.000500	1.62	414	15	71	1,470	937.1	0.024 J	224	3.52

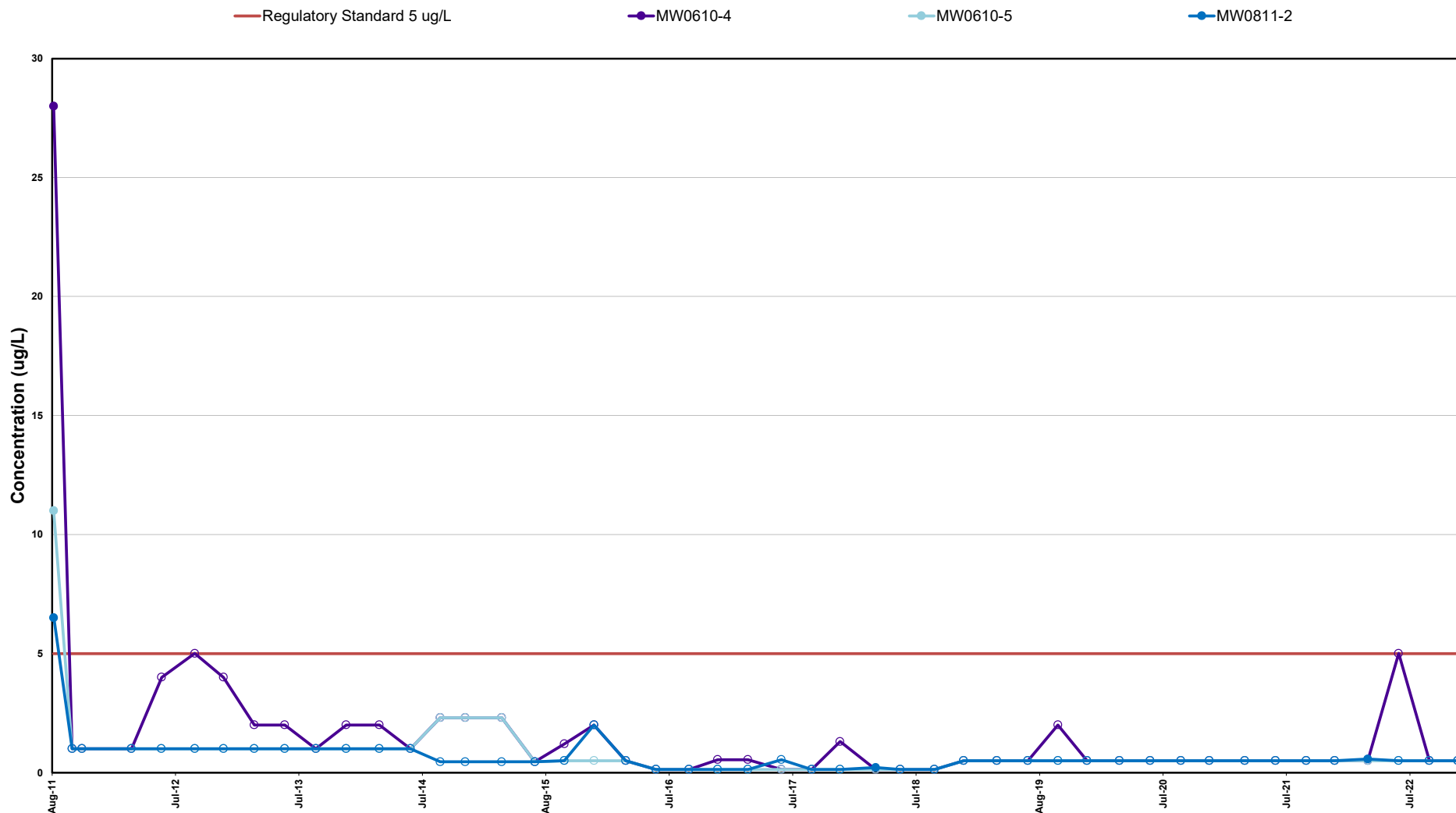
Notes:
Only analytes that exceeded Class GA Regulatory Standards in samples taken from at least one monitoring well during at least one monitoring event are included here
Regulatory Standard - Class GA Groundwater Quality Standard or Guidance Value from NYSDEC Division of Water TOGS 1.1.1 (June 1998)
<### 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

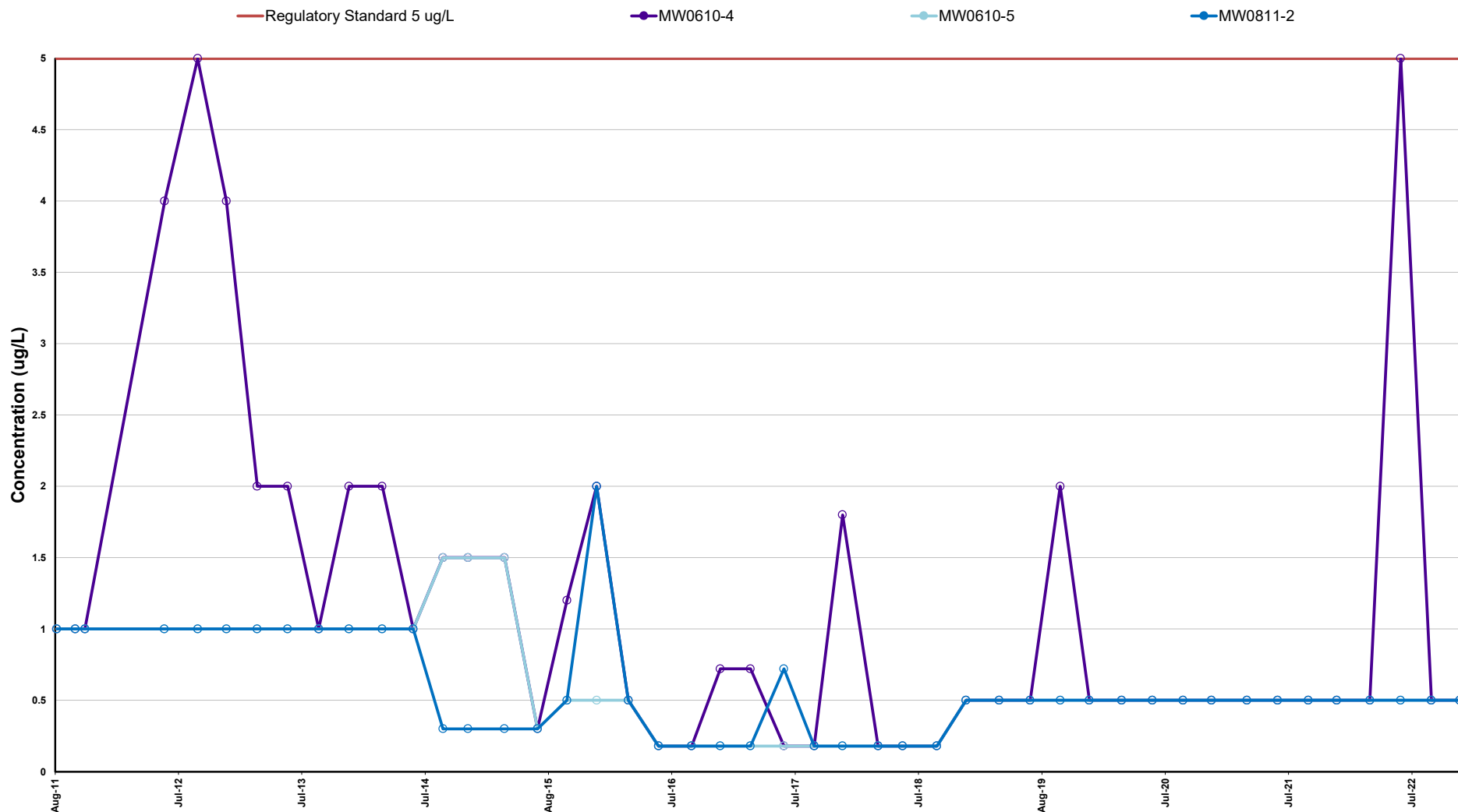
Sampling Location	Sampling Date	Iron	Magnesium	Manganese	Ethane	Ethene	Methane	Alkalinity, total (as CaCO3)	Biochemical oxygen demand (total BOD5)	Chemical oxygen demand (COD)	Chloride	Hardness	Nitrate (as N)	Sulfate	Total organic carbon (TOC)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Regulatory Standard	0.3	35	0.3											
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
MW0811-2	03/29/22	1.24	34.3	0.2946	<0.000500	<0.000500	0.144	278	2.0	34	2,100	540.0	1.5	124	1.20
MW0811-2	06/28/22	6.02	27.9	0.4745	0.000837	<0.000500	0.701	490	<4.0	190	1,860	429.5	0.14	112	2.33
MW0811-2	09/27/22	3.50	24.2	0.8048	0.000723	<0.000500	0.903	639	<2.0	100	1,580	397.3	0.30	49.5 J	5.88
MW0811-2	12/20/22	1.21	28.5	0.2058	<0.000500	<0.000500	0.456	582	2.3	24	968	445.0	0.61	96.6 J	3.61

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



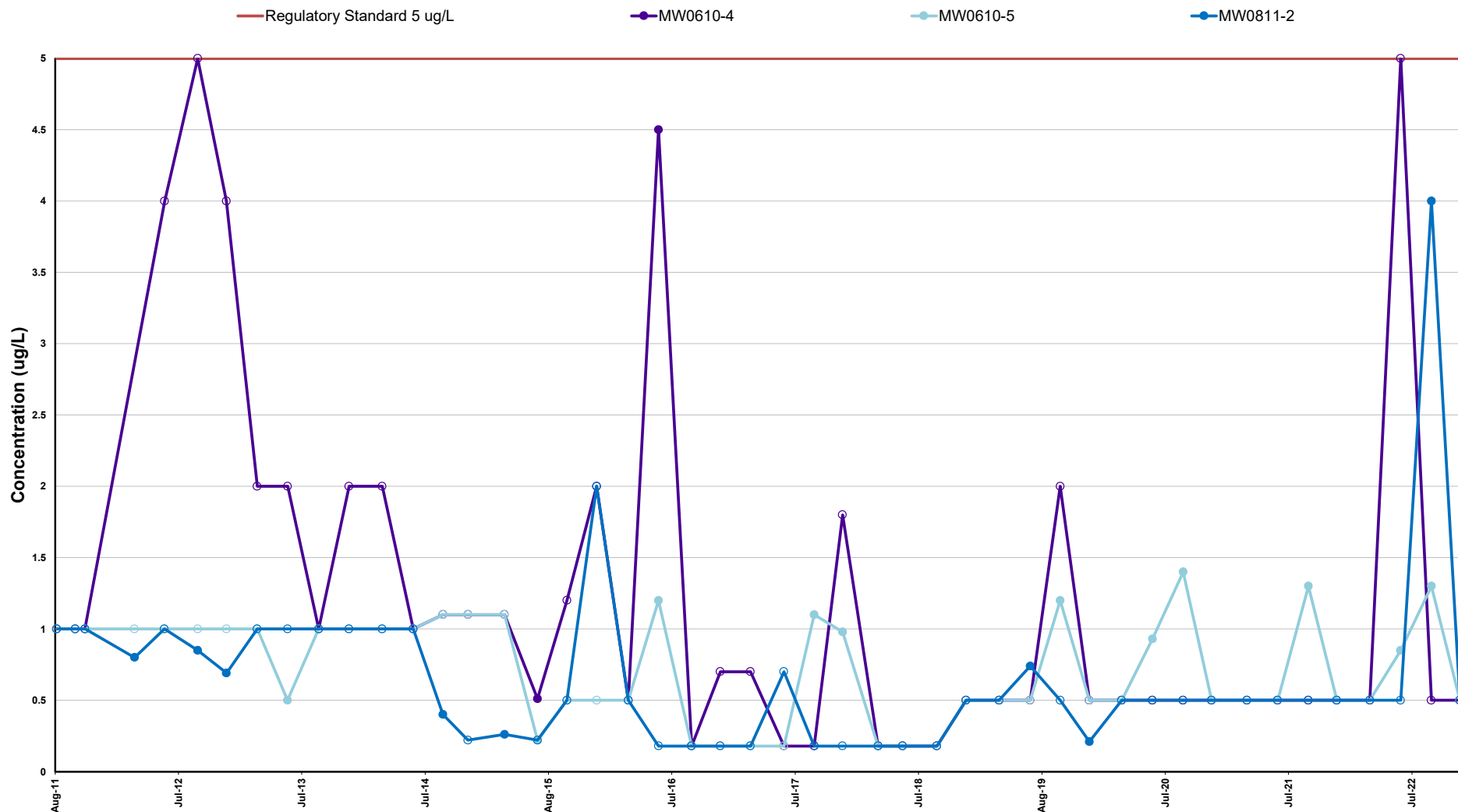
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

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



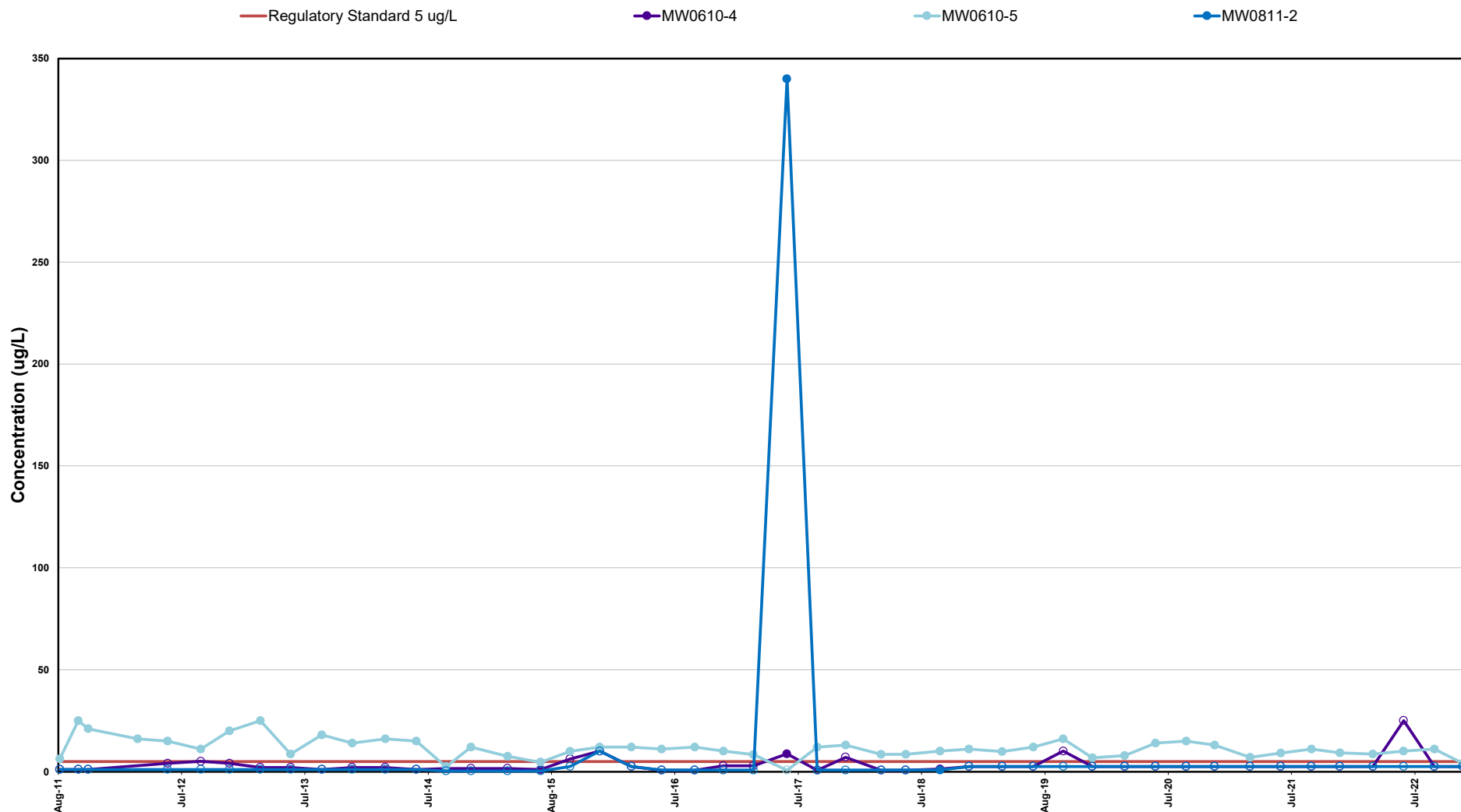
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

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



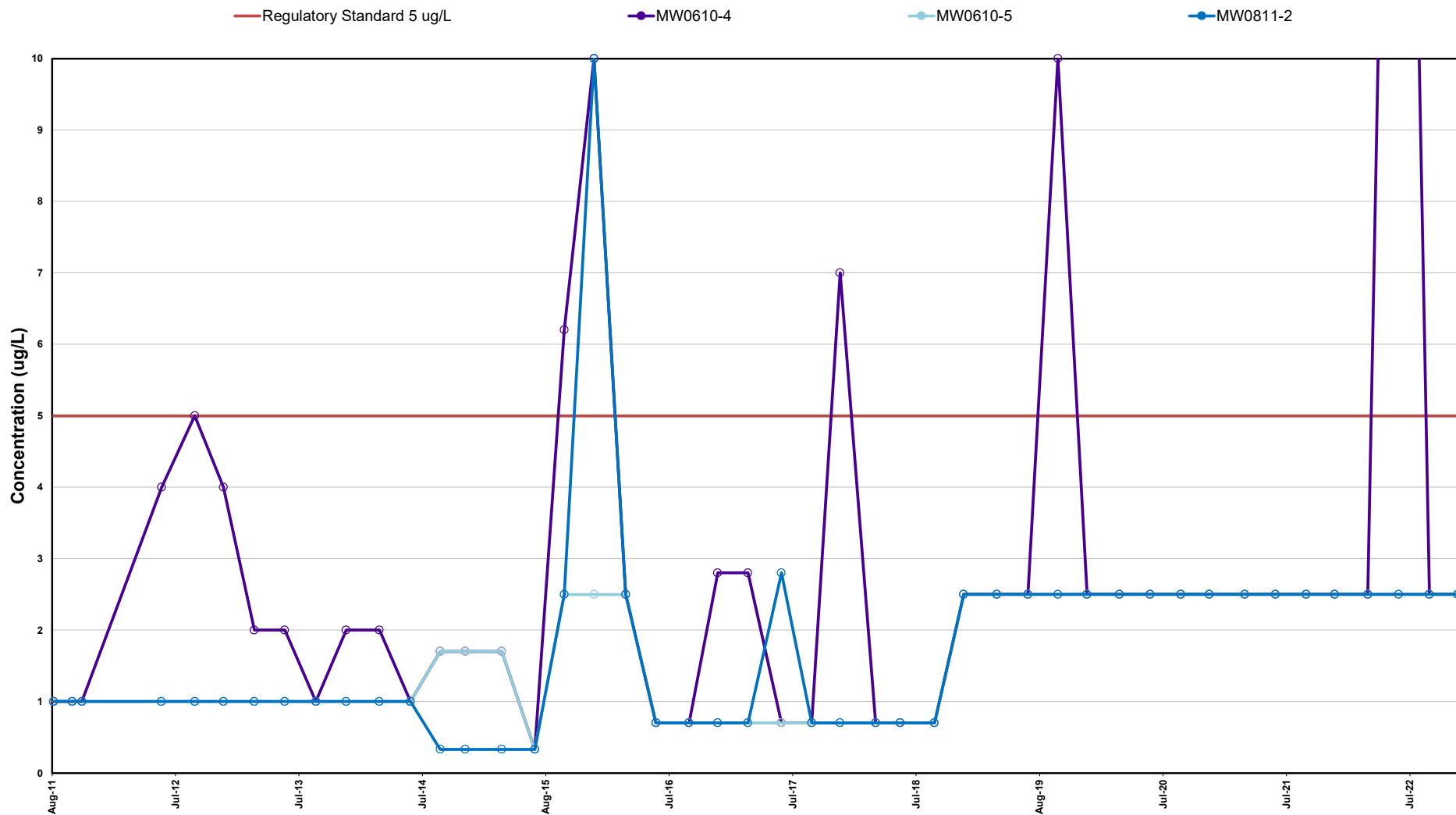
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

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



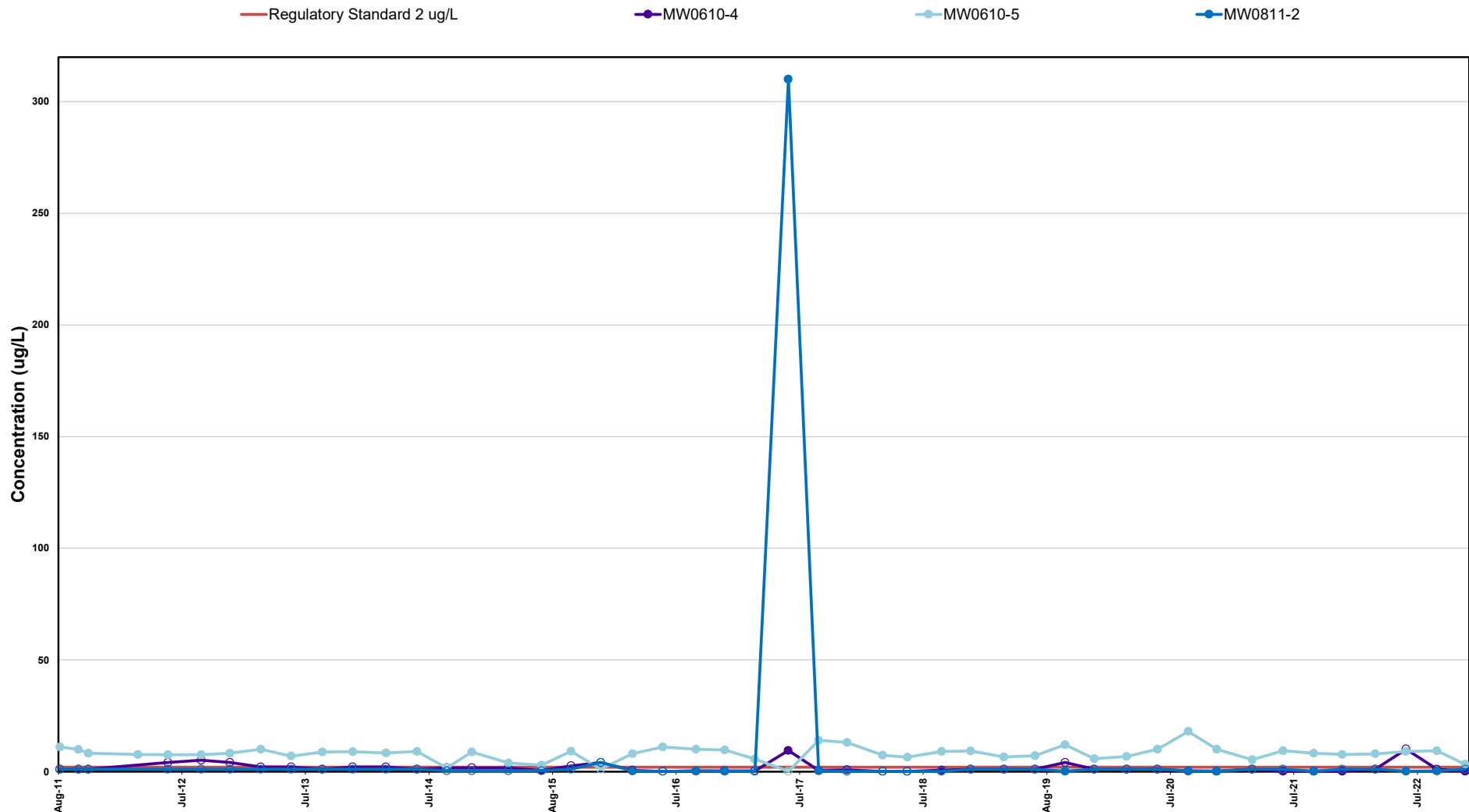
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

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



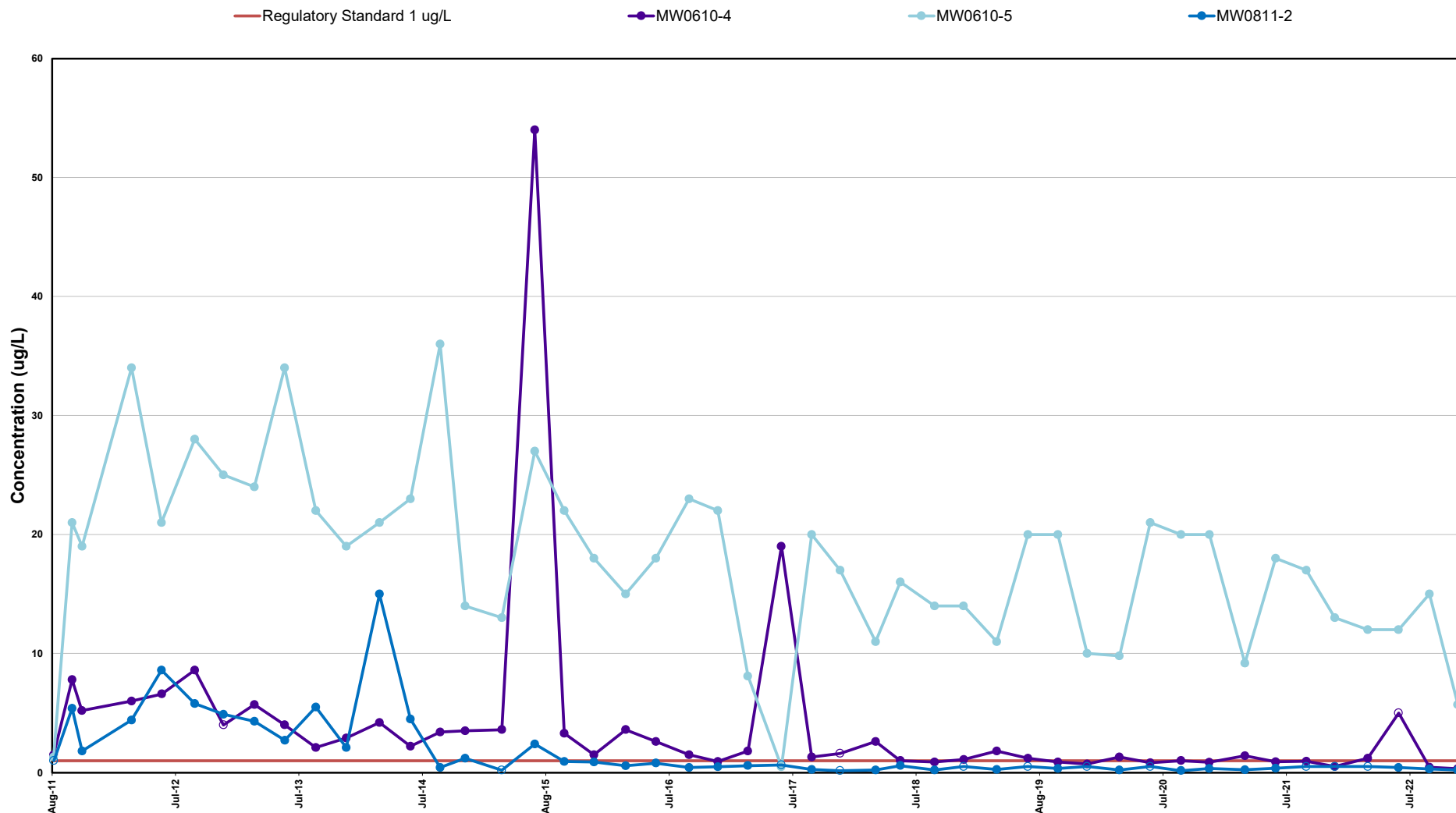
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

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



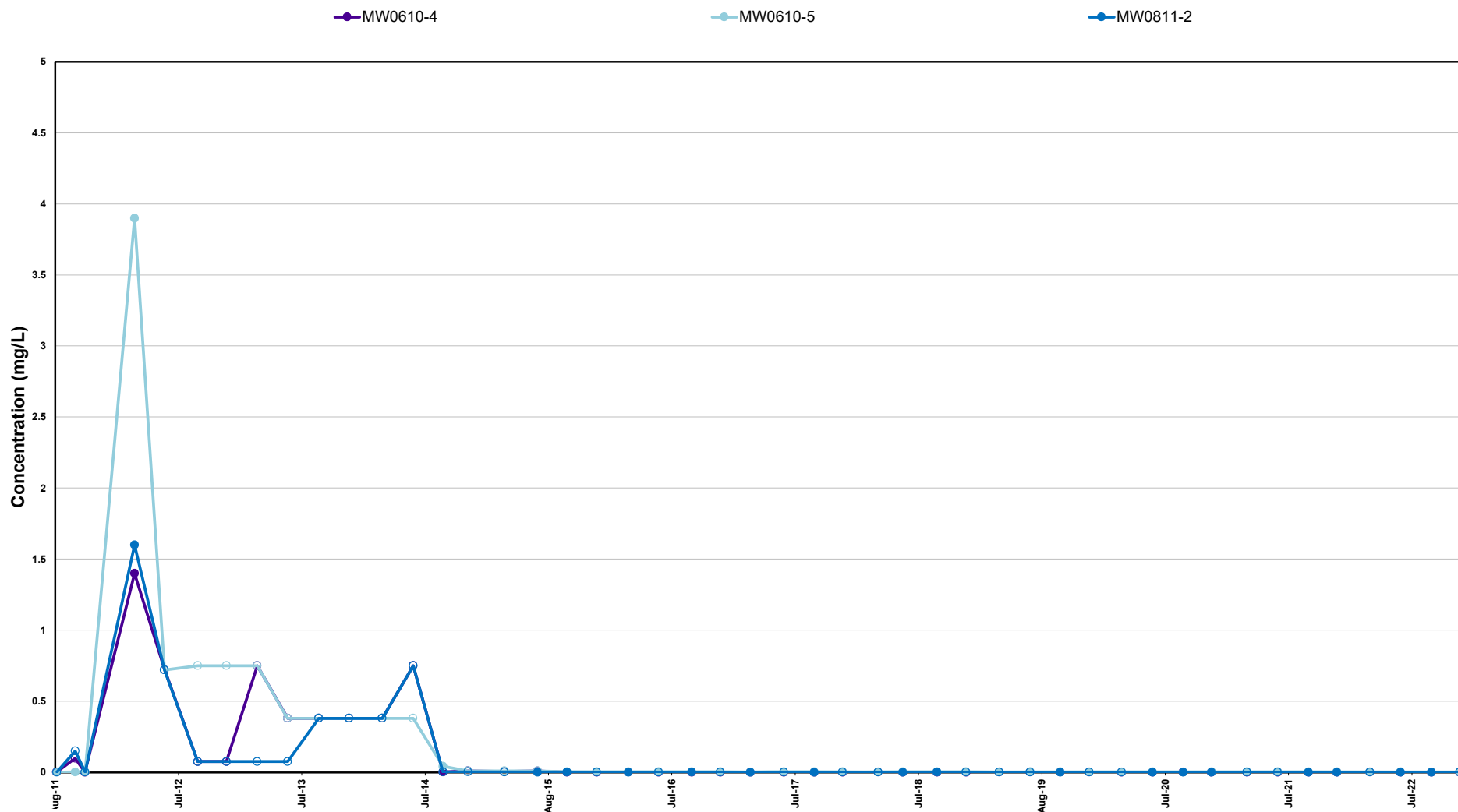
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

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



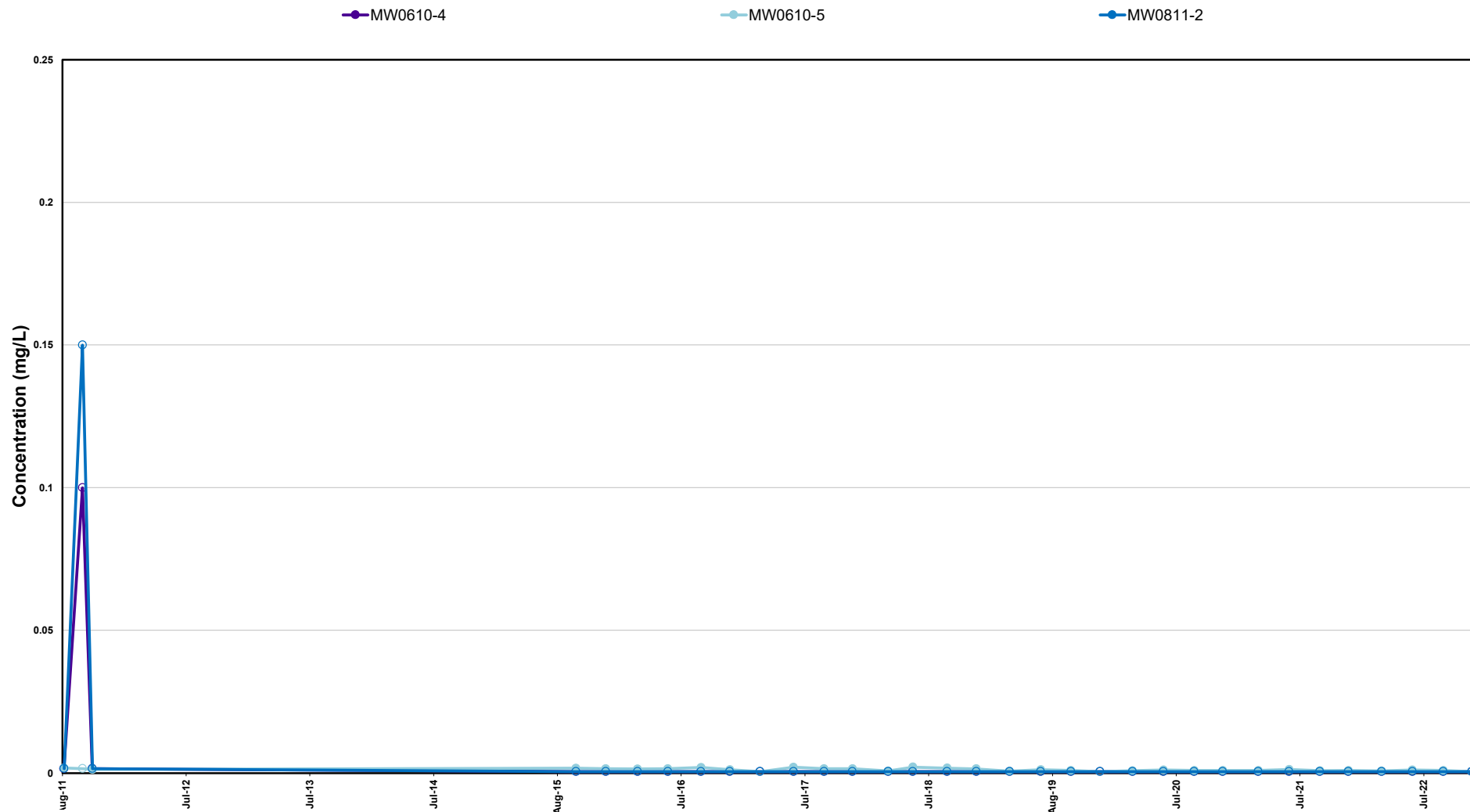
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies

BCP Site #C859028

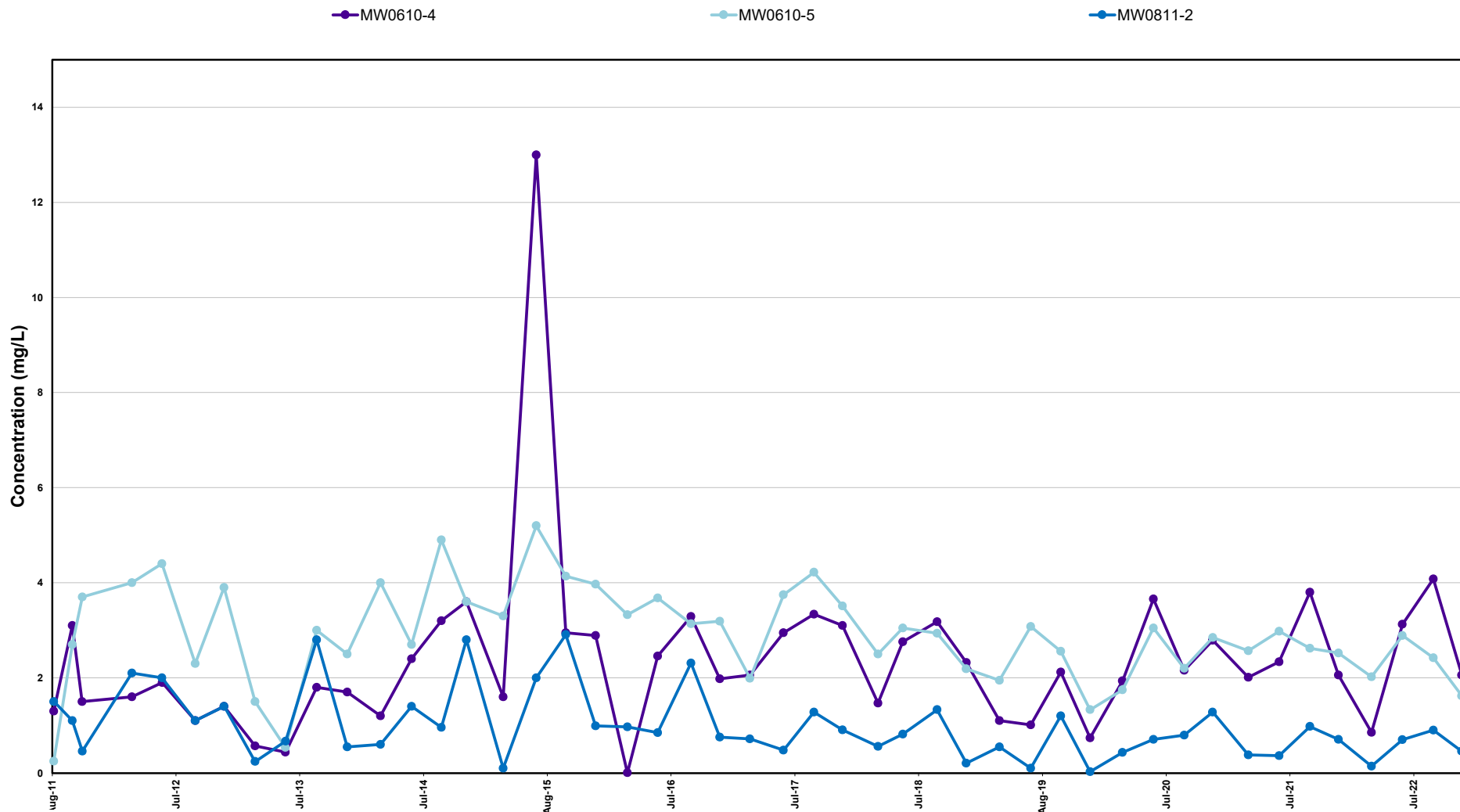
Ethane Trend

Carbon Tet Area



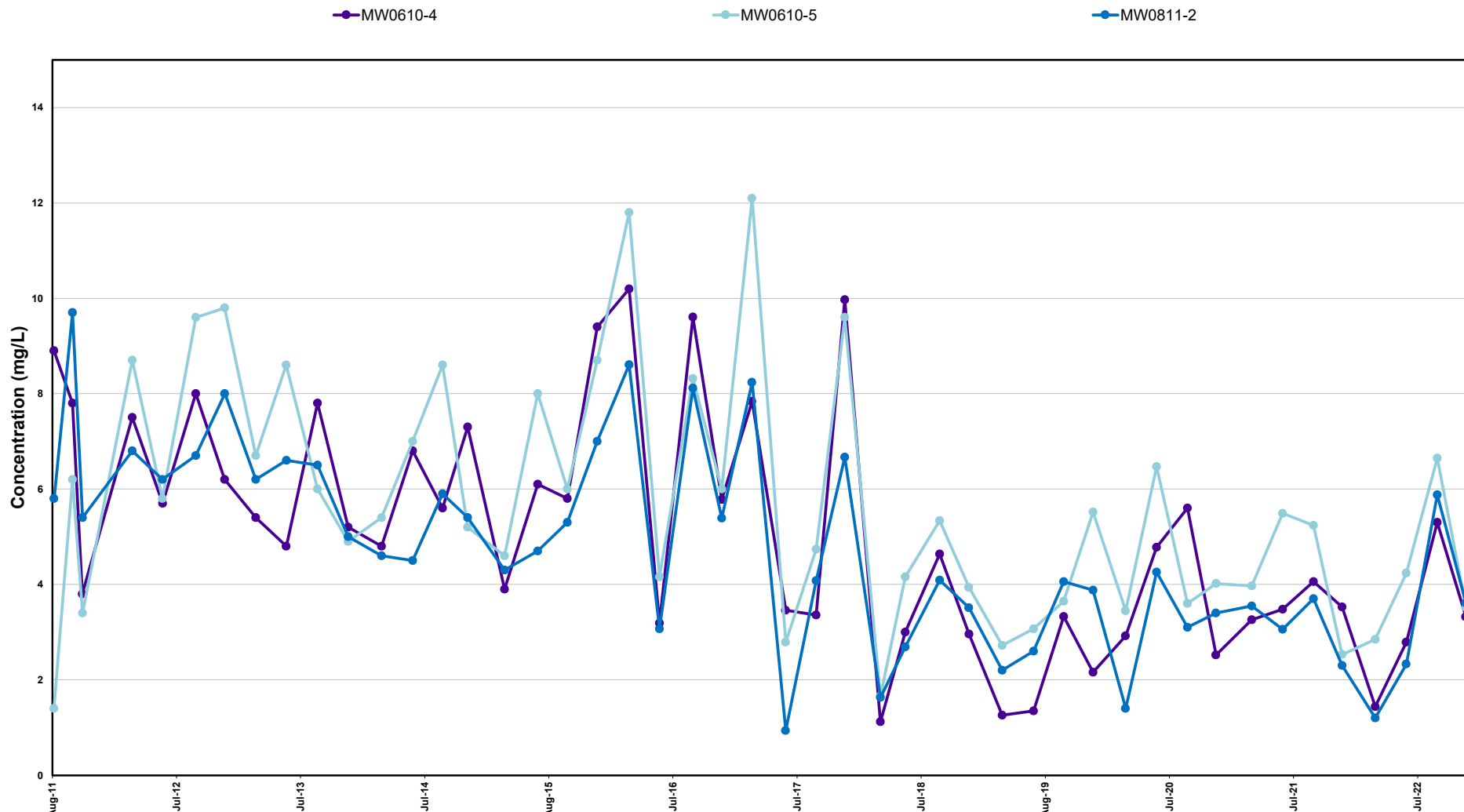
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

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

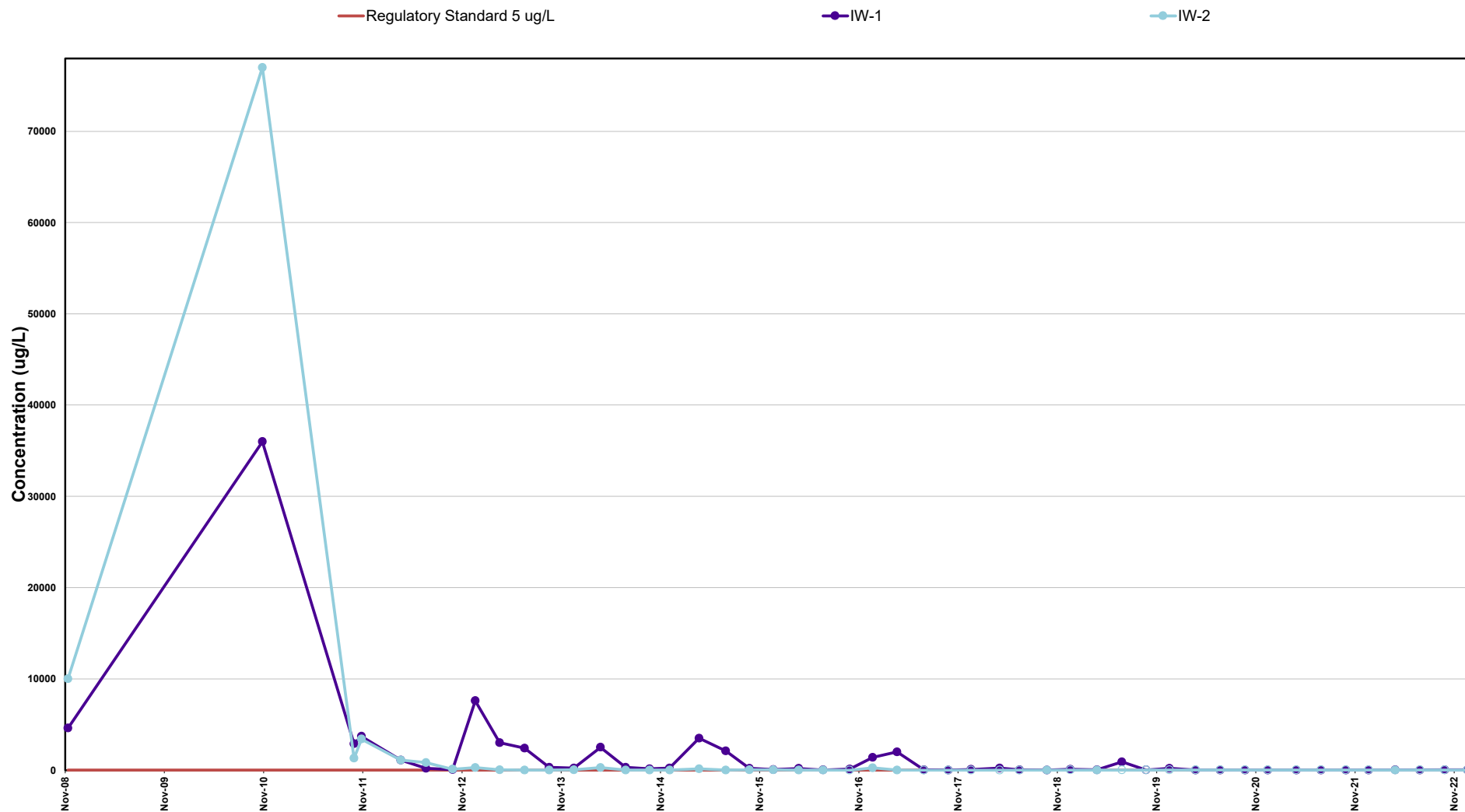
Garlock Sealing Technologies
BCP Site #C859028
Methane Trend
Carbon Tet Area



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

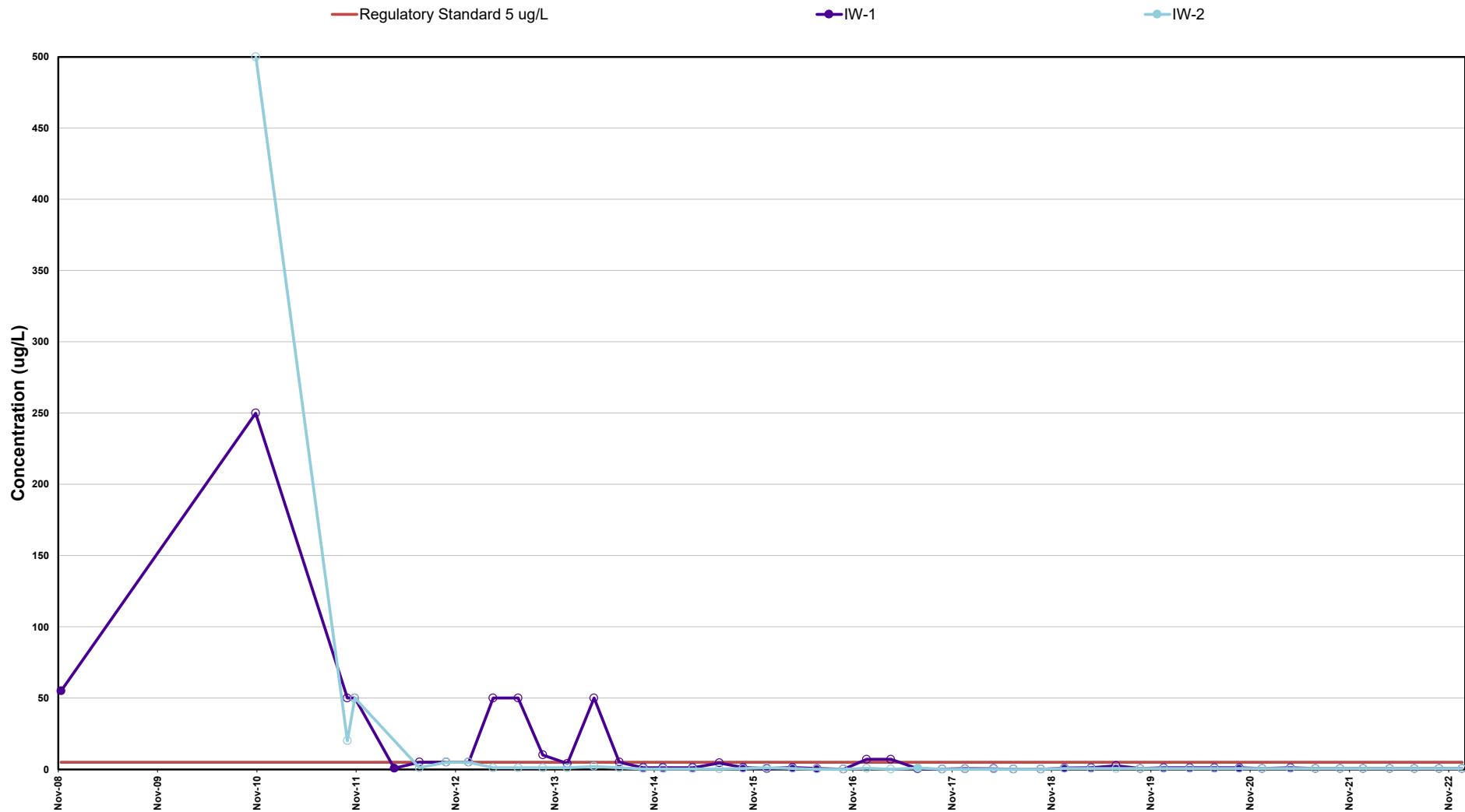
Garlock Sealing Technologies
BCP Site #C859028
Total organic carbon (TOC) Trend
Carbon Tet Area

Toluene Area



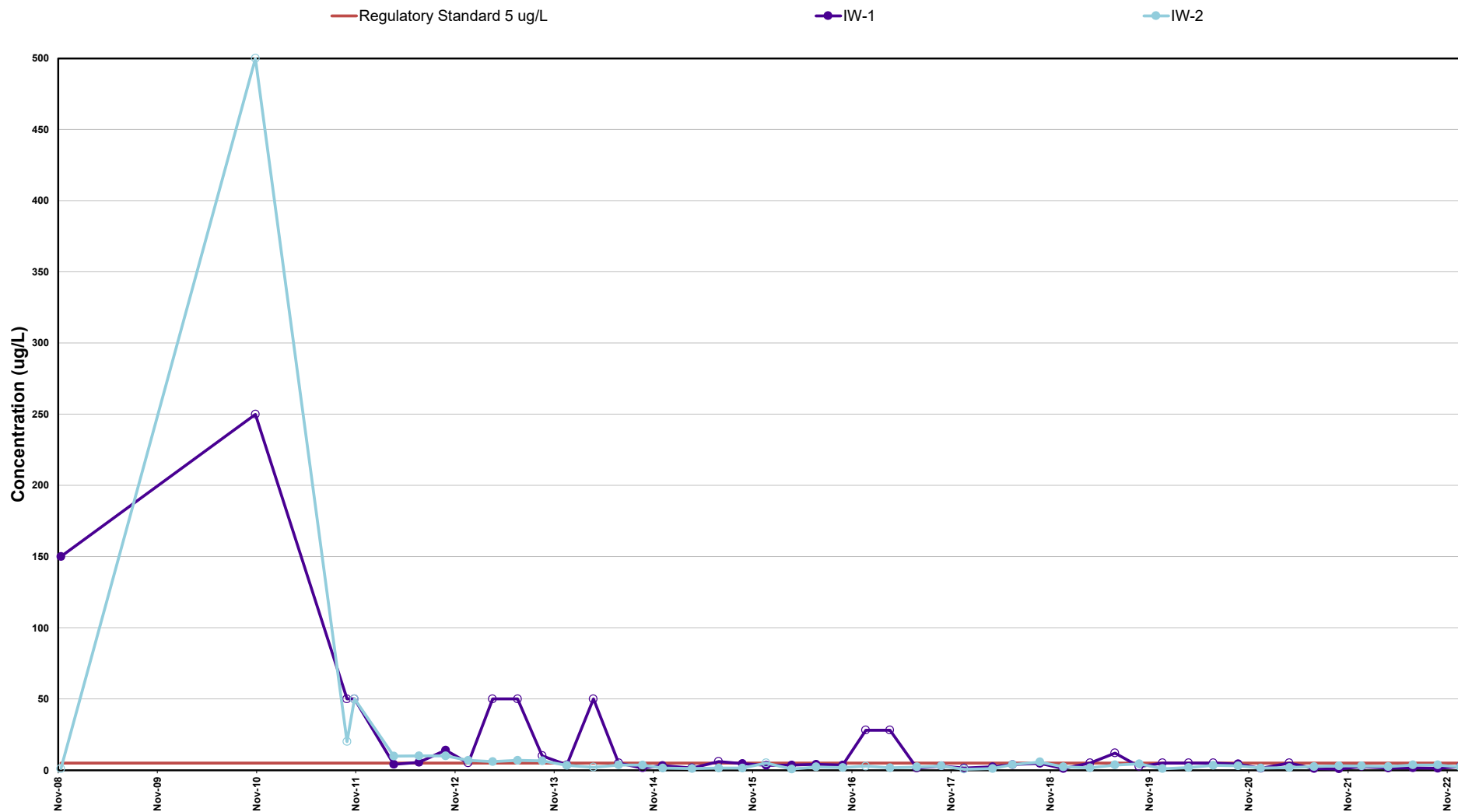
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Toluene Trend
Toluene Area



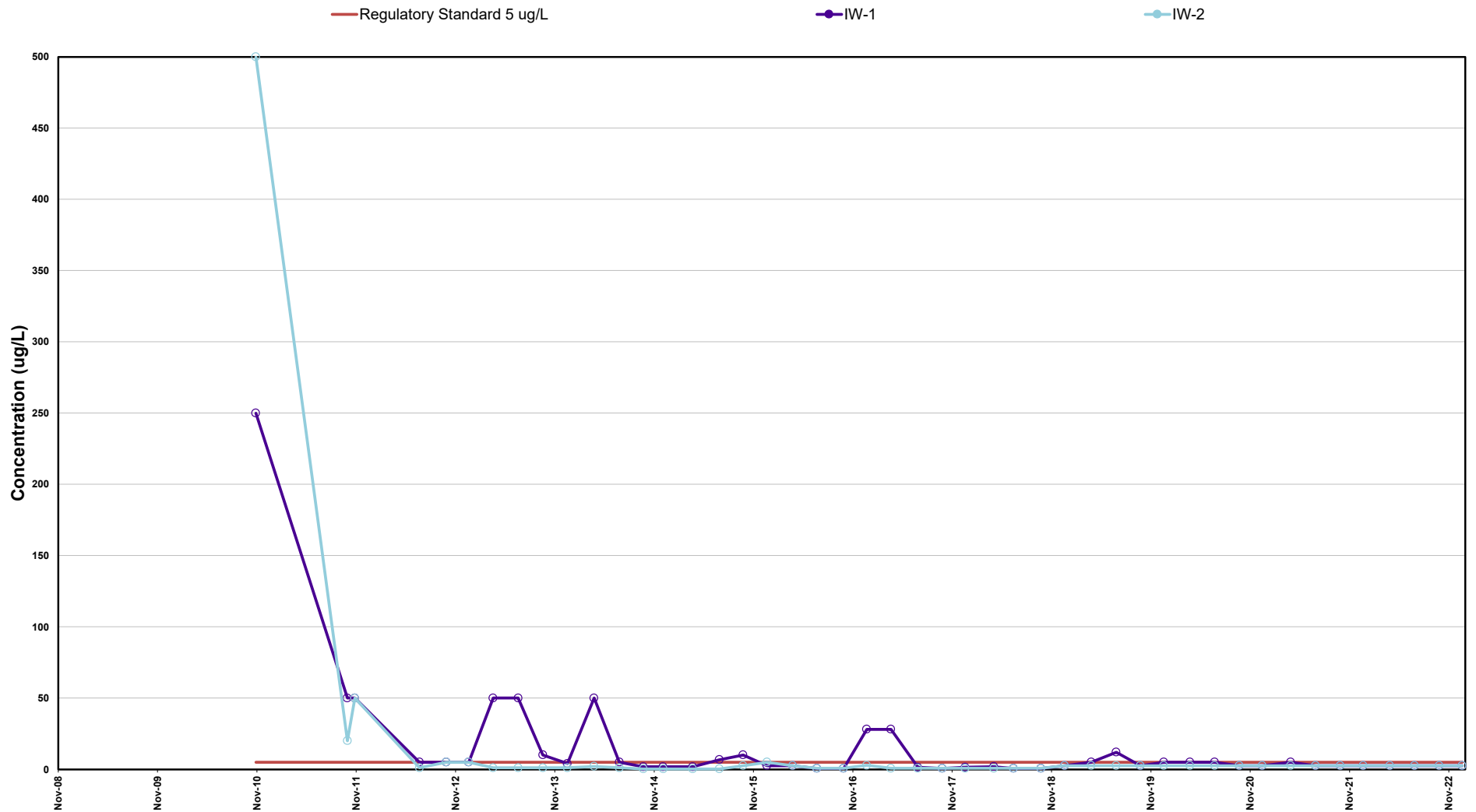
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

Garlock Sealing Technologies
BCP Site #C859028
Trichloroethene Trend
Toluene Area



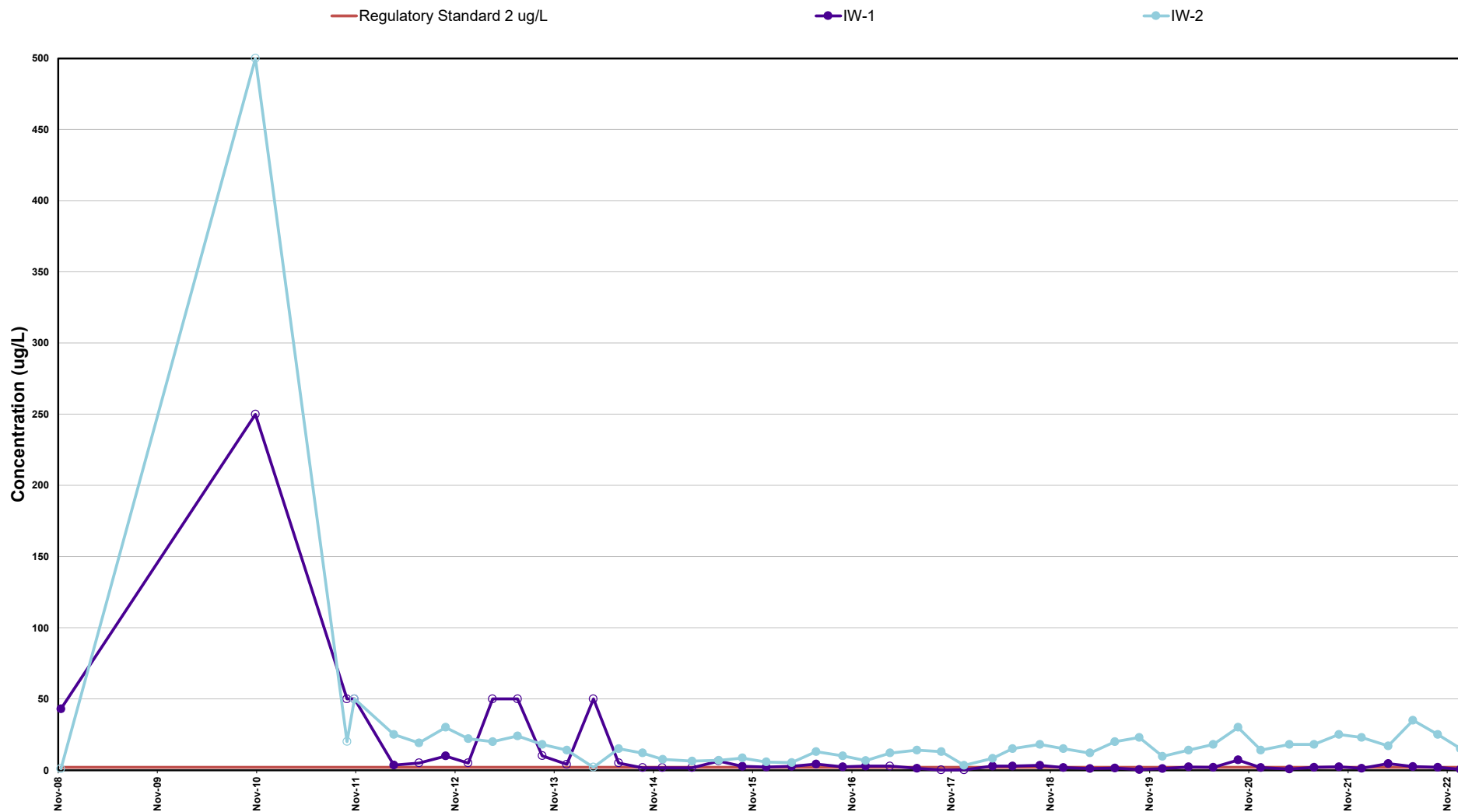
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

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



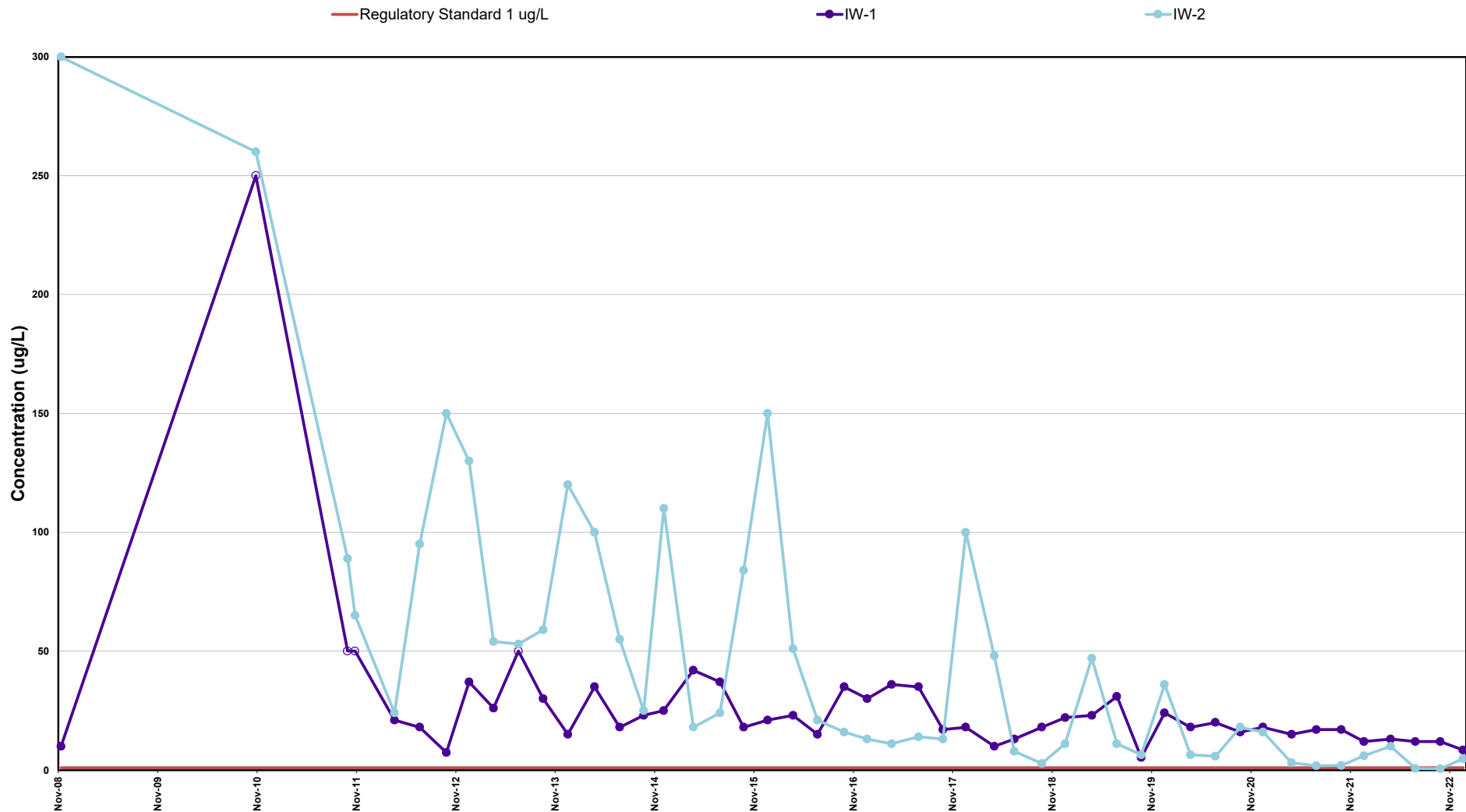
Non-Detect values are plotted at the associated reporting detection limit and are denoted with open symbols

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: 98543

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 860580 800.421.6800		4. Manifest Tracking Number 022859189 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: 315-667-7211 ATTN: CARTE SANANGELO															
6. Transporter 1 Company Name TITO'S TOWING AND RECOVERY						U.S. EPA ID Number NYR000745506									
7. Transporter 2 Company Name US Ecology Transportation Solutions						U.S. EPA ID Number MIK 593742838									
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: 800.592.5490															
9a. HM	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. Unit WL/Vol.	13. Waste Codes					
X	1. RQ NA3002, HAZARDOUS WASTE, LIQUID, N.O.S. 9, PG III (F802)					4 DM		1130	P	F002	T				
	2.														
	3.														
	4.														
14. Special Handling Instructions and Additional Information 1.) WELL DEVELOPMENT WATER (D1232981WTSMDI) (55 G) ERG171 WTS ORDER # 07027 CONFIRMATION#1150449															
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 <u>Frank DeFilippo Patrick Ambler</u> Signature <u>[Signature]</u> Month <u>11</u> Day <u>21</u> Year <u>22</u>															
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 <u>Kenneth R. Tidd</u> Signature <u>[Signature]</u> Month <u>11</u> Day <u>21</u> Year <u>22</u>															
Transporter 2 Printed/Typed Name <u>Robert Roach</u> Signature <u>[Signature]</u> Month <u>11</u> Day <u>22</u> Year <u>22</u>															
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. <u>H100</u>				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 <u>Reynaldo Sako Jr.</u> Signature <u>[Signature]</u> Month <u>11</u> Day <u>21</u> Year <u>22</u>															

Please print or type.

DID: 96853

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 860580
800-424-9300

4. Manifest Tracking Number

022859158

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

TIDD'S TOWING AND RECOVERY

U.S. EPA ID Number

NYD000245506

7. Transporter 2 Company Name

U.S. EPA ID Number

M/K 593742838

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: 800-592-6480

9a.
HM

9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))

10. Containers

No.

Type

11. Total
Quantity12. Unit
WL/Vol.

13. Waste Codes

1. RQ NA3082, HAZARDOUS WASTE, LIQUID, N.O.S. 9, PG III (F002)

4

DM

1093

P

F002

T

14. Special Handling Instructions and Additional Information

1.) WELL DEVELOPMENT WATER (D1232581WTSMD1) (55 G) ERG#171
WTS ORDER #97025 CONFIRMATION#1136337

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

Signature

Month Day Year

16. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

9 29 21

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Transporter 2 Printed/Typed Name

Signature

Month Day Year

18. Discrepancy

10 3 22

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 18a

Printed/Typed Name

Signature

Month Day Year

Please print or type.

DID: 94920

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 850580 800-424-9300	4. Manifest Tracking Number 022859077 JJK			
5. Generator's Name and Mailing Address GARLOCK SEALING TECHNOLOGIES, LLC 1686 DIVISION STREET PALMYRA, NY 14522								
Generator's Site Address (if different than mailing address)								
Generator's Phone: 315-587-7311 ATTN: CARTE SANANGLO								
6. Transporter 1 Company Name ENVIROSERVE, A DIVISION OF SUNPRO				U.S. EPA ID Number OH000033336				
7. Transporter 2 Company Name <i>US Ecology Transportation Solutions</i>				U.S. EPA ID Number <i>MIK598743239</i>				
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: 800-592-5430								
GENERATOR	9a. HM	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. Unit WL/Vol.	13. Waste Codes	
	X	1. RQ NA3082, HAZARDOUS WASTE, LIQUID, H.O.S. 9, PG III (F002)		3L DM	1293	P	F002	
		2.						
		3.						
		4.						
14. Special Handling Instructions and Additional Information 1.) WELL DEVELOPMENT WATER (D1232581WTSMDI) (55GAL) ERGW171 WTS ORDER #5597 CONFIRMATION#1113781								
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>Chris Sanangelo</i> Signature <i>Chris Sanangelo</i> Month Day Year <i>6/13/22</i>								
INT'L	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	Transporter 1 Printed/Typed Name <i>Tom Busen</i> Signature <i>Tom Busen</i> Month Day Year <i>6/13/22</i>				Transporter 2 Printed/Typed Name <i>Chris Sanangelo</i> Signature <i>Chris Sanangelo</i> Month Day Year <i>6/14/22</i>			
	18. Discrepancy							
DESIGNATED FACILITY	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. <i>h100</i>		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 <i>Antonio Cabson</i>				Signature <i>Antonio Cabson</i>		Month Day Year <i>6/15/22</i>		

Please print or type.

DID: 92587

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NYD002210820	2. Page 1 of 1	3. Emergency Response Phone CHEMTREC CON 800580 800-424-9383	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 NYD092792814				
7. Transporter 2 Company Name <i>US Ecology Transportation Services</i>				U.S. EPA ID Number <i>NY0159370328</i>				
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: 800-592-5484								
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 Wt./Vol.	13. Waste Codes		
		No.	Type					
X	1. RQ, 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	4g	P	D002	D009	D018
	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# 1093755								
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/Offeror's Printed/Typed Name <i>Carrie Sanangelo</i>				Signature <i>Carrie Sanangelo</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 <i>JASON CAROZZE</i>				Signature <i>Jason Carozze</i>		Month Day Year 3 11 22		
Transporter 2 Printed/Typed Name <i>R. Thomas Miller</i>				Signature <i>R. Thomas Miller</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 <i>Antonio Carlsont</i>				Signature <i>Antonio Carlsont</i>		Month Day Year 4 6 22		

Attachment C

Laboratory Analytical Reports

1st Quarter 2022



ANALYTICAL REPORT

Lab Number:	L2216196
Client:	GHD, Inc. 5788 Widewaters Pkwy Syracuse, NY 13214
ATTN:	Ian McNamara
Phone:	(315) 802-0312
Project Name:	GARLOCK
Project Number:	12578577-2201
Report Date:	04/19/22

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: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2216196-01	MW0610-4-032922	WATER	PALMYRA NY	03/29/22 09:20	03/29/22
L2216196-02	MW0610-5-032922	WATER	PALMYRA NY	03/29/22 10:00	03/29/22
L2216196-03	MW0811-02--032922	WATER	PALMYRA NY	03/29/22 08:50	03/29/22
L2216196-04	OW-1-032922	WATER	PALMYRA NY	03/29/22 10:40	03/29/22
L2216196-05	OW-2/MW-41-032922	WATER	PALMYRA NY	03/29/22 11:00	03/29/22
L2216196-06	OW-3/AOC-2-032922	WATER	PALMYRA NY	03/29/22 11:20	03/29/22
L2216196-07	OW-4/MW-28-032922	WATER	PALMYRA NY	03/29/22 11:05	03/29/22
L2216196-08	OW-5-032922	WATER	PALMYRA NY	03/29/22 10:45	03/29/22
L2216196-09	MW0512-01-032922	WATER	PALMYRA NY	03/29/22 12:15	03/29/22
L2216196-10	MW0512-02-032922	WATER	PALMYRA NY	03/29/22 11:45	03/29/22
L2216196-11	MW0911-01-032922	WATER	PALMYRA NY	03/29/22 12:10	03/29/22
L2216196-12	MW0911-02-032922	WATER	PALMYRA NY	03/29/22 11:45	03/29/22
L2216196-13	IW-1-032922	WATER	PALMYRA NY	03/29/22 09:35	03/29/22
L2216196-14	IW-2-032922	WATER	PALMYRA NY	03/29/22 09:00	03/29/22
L2216196-15	TRIP BLANK-032922	WATER	PALMYRA NY	03/29/22 00:00	03/29/22
L2216196-16	MW0610-01-032922	WATER	PALMYRA NY	03/29/22 12:45	03/29/22
L2216196-17	MW0811-01-032922	WATER	PALMYRA NY	03/29/22 12:55	03/29/22
L2216196-18	MW-63-032922	WATER	PALMYRA NY	03/29/22 13:15	03/29/22

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

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: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

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.

Total Organic Carbon

L2216196-16 and -18: The sample has an elevated detection limit due to the dilution required by the sample matrix.

BOD, 5 day

L2216196-16: 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.

Chemical Oxygen Demand

The WG1625555-3 MS recovery, performed on L2216196-01, is outside the acceptance criteria for chemical oxygen demand (69%); 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:

Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative

Date: 04/19/22

ORGANICS

VOLATILES

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-01
Client ID: MW0610-4-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 09:20
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/07/22 10:07
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	1.2		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	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: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-01
Client ID: MW0610-4-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 09:20
Date Received: 03/29/22
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	1.1	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	21		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-01
Client ID: MW0610-4-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 09:20
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 117,-
Analytical Date: 04/11/22 17:37
Analyst: BB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	854		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: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-02
Client ID: MW0610-5-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 10:00
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/07/22 10:30
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	12		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
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-02
Client ID: MW0610-5-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 10:00
Date Received: 03/29/22
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	8.6		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	7.0	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	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-02
Client ID: MW0610-5-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 10:00
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 04/11/22 17:55
Analyst: BB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	2020		ug/l	2.00	2.00	1	A
Ethene	0.678		ug/l	0.500	0.500	1	A
Ethane	1.96		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-03
Client ID: MW0811-02--032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 08:50
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/07/22 10:53
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	0.75	J	ug/l	2.5	0.70	1
Carbon tetrachloride	0.57		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: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-03
Client ID: MW0811-02--032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 08:50
Date Received: 03/29/22
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	0.89	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	106		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-03
Client ID: MW0811-02--032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 08:50
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 04/11/22 18:13
Analyst: BB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	144		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: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-04
Client ID: OW-1-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 10:40
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/07/22 11:16
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	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	2.0		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	0.27	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-04
Client ID: OW-1-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 10:40
Date Received: 03/29/22
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	0.89	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	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	106		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-05 D
Client ID: OW-2/MW-41-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 11:00
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/08/22 00:27
Analyst: MV

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	99		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	1.1	J	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	770		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	4.2		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	8.6	J	ug/l	12	3.5	5
Trichloroethene	5.7		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-05 D
Client ID: OW-2/MW-41-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 11:00
Date Received: 03/29/22
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	890		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	6.3	J	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	107		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	117		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-06 D2
Client ID: OW-3/AOC-2-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 11:20
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/08/22 00:47
Analyst: MV

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	5400		ug/l	100	7.1	100
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	116		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-06 D
Client ID: OW-3/AOC-2-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 11:20
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/07/22 13:59
Analyst: LAC

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	390		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	5500	E	ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	5.5	J	ug/l	10	3.4	20
trans-1,2-Dichloroethene	26	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: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-06 D
Client ID: OW-3/AOC-2-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 11:20
Date Received: 03/29/22
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	1200		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	102		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-07
Client ID: OW-4/MW-28-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 11:05
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/07/22 11:39
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	48		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	330	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	0.68		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-07
Client ID: OW-4/MW-28-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 11:05
Date Received: 03/29/22
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	31		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	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	109		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-07 D2
Client ID: OW-4/MW-28-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 11:05
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/08/22 01:08
Analyst: MV

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	320		ug/l	5.0	0.36	5
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	120		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-08
Client ID: OW-5-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 10:45
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/07/22 12:03
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	24		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	130		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: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-08
Client ID: OW-5-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 10:45
Date Received: 03/29/22
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	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	106		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-09 D
Client ID: MW0512-01-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 12:15
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/07/22 14:22
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	250	70.	100
1,1-Dichloroethane	210	J	ug/l	250	70.	100
Chloroform	ND		ug/l	250	70.	100
Carbon tetrachloride	ND		ug/l	50	13.	100
1,2-Dichloropropane	ND		ug/l	100	14.	100
Dibromochloromethane	ND		ug/l	50	15.	100
1,1,2-Trichloroethane	ND		ug/l	150	50.	100
Tetrachloroethene	ND		ug/l	50	18.	100
Chlorobenzene	ND		ug/l	250	70.	100
Trichlorofluoromethane	ND		ug/l	250	70.	100
1,2-Dichloroethane	ND		ug/l	50	13.	100
1,1,1-Trichloroethane	420		ug/l	250	70.	100
Bromodichloromethane	ND		ug/l	50	19.	100
trans-1,3-Dichloropropene	ND		ug/l	50	16.	100
cis-1,3-Dichloropropene	ND		ug/l	50	14.	100
Bromoform	ND		ug/l	200	65.	100
1,1,2,2-Tetrachloroethane	ND		ug/l	50	17.	100
Benzene	ND		ug/l	50	16.	100
Toluene	1400		ug/l	250	70.	100
Ethylbenzene	93	J	ug/l	250	70.	100
Chloromethane	ND		ug/l	250	70.	100
Bromomethane	ND		ug/l	250	70.	100
Vinyl chloride	1200		ug/l	100	7.1	100
Chloroethane	ND		ug/l	250	70.	100
1,1-Dichloroethene	30	J	ug/l	50	17.	100
trans-1,2-Dichloroethene	97	J	ug/l	250	70.	100
Trichloroethene	110		ug/l	50	18.	100
1,2-Dichlorobenzene	ND		ug/l	250	70.	100

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-09 D
Client ID: MW0512-01-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 12:15
Date Received: 03/29/22
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	250	70.	100
1,4-Dichlorobenzene	ND		ug/l	250	70.	100
Methyl tert butyl ether	ND		ug/l	250	70.	100
p/m-Xylene	360		ug/l	250	70.	100
o-Xylene	140	J	ug/l	250	70.	100
cis-1,2-Dichloroethene	16000		ug/l	250	70.	100
Styrene	ND		ug/l	250	70.	100
Dichlorodifluoromethane	ND		ug/l	500	100	100
Acetone	ND		ug/l	500	150	100
Carbon disulfide	ND		ug/l	500	100	100
2-Butanone	ND		ug/l	500	190	100
4-Methyl-2-pentanone	ND		ug/l	500	100	100
2-Hexanone	ND		ug/l	500	100	100
Bromochloromethane	ND		ug/l	250	70.	100
1,2-Dibromoethane	ND		ug/l	200	65.	100
1,2-Dibromo-3-chloropropane	ND		ug/l	250	70.	100
Isopropylbenzene	ND		ug/l	250	70.	100
1,2,3-Trichlorobenzene	ND		ug/l	250	70.	100
1,2,4-Trichlorobenzene	ND		ug/l	250	70.	100
Methyl Acetate	ND		ug/l	200	23.	100
Cyclohexane	ND		ug/l	1000	27.	100
1,4-Dioxane	ND		ug/l	25000	6100	100
Freon-113	ND		ug/l	250	70.	100
Methyl cyclohexane	ND		ug/l	1000	40.	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	106		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-10 D
Client ID: MW0512-02-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 11:45
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/07/22 14:45
Analyst: LAC

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	46		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	10	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	470		ug/l	10	0.71	10
Chloroethane	10	J	ug/l	25	7.0	10
1,1-Dichloroethene	14		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	10	J	ug/l	25	7.0	10
Trichloroethene	120		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-10 D
Client ID: MW0512-02-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 11:45
Date Received: 03/29/22
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	1000		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	5.6	J	ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	106		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-11
Client ID: MW0911-01-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 12:10
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/07/22 12:26
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	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	5.8		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	0.74		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-11
Client ID: MW0911-01-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 12:10
Date Received: 03/29/22
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	27		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	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-12 D
Client ID: MW0911-02-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 11:45
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/07/22 15:09
Analyst: MV

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	26		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	970		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	180		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	20	J	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: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-12 D
Client ID: MW0911-02-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 11:45
Date Received: 03/29/22
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	13	J	ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	690		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	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	102		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-13
Client ID: IW-1-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 09:35
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/07/22 12:49
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	13		ug/l	0.50	0.16	1
Toluene	22		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	4.6		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: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-13
Client ID: IW-1-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 09:35
Date Received: 03/29/22
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	1.5	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	28		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	110		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-14
Client ID: IW-2-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 09:00
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/07/22 13:12
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	10		ug/l	0.50	0.16	1
Toluene	3.0		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	17		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: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-14
Client ID: IW-2-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 09:00
Date Received: 03/29/22
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	2.4	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	10		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	31		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-15
Client ID: TRIP BLANK-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 00:00
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/07/22 09:43
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	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: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-15
Client ID: TRIP BLANK-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 00:00
Date Received: 03/29/22
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	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	105		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-16
Client ID: MW0610-01-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 12:45
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 117,-
Analytical Date: 04/11/22 19:11
Analyst: BB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	2300		ug/l	2.00	2.00	1	A
Ethene	13.5		ug/l	0.500	0.500	1	A
Ethane	14.0		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-16 D
Client ID: MW0610-01-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 12:45
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/07/22 15:32
Analyst: MV

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	240		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	0.41	J	ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	1.8	J	ug/l	5.0	1.4	2
Trichloroethene	4.4		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-16 D
Client ID: MW0610-01-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 12:45
Date Received: 03/29/22
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	180		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	101		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	106		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-17
Client ID: MW0811-01-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 12:55
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 117,-
Analytical Date: 04/11/22 19:29
Analyst: BB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	10300		ug/l	2.00	2.00	1	A
Ethene	41.7		ug/l	0.500	0.500	1	A
Ethane	47.8		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-17 D2
Client ID: MW0811-01-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 12:55
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/08/22 10:30
Analyst: LAC

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	1200		ug/l	20	1.4	20
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	117		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-17 D
Client ID: MW0811-01-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 12:55
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/07/22 15:55
Analyst: MV

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	ND		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	1100	E	ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Trichloroethene	ND		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-17 D
Client ID: MW0811-01-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 12:55
Date Received: 03/29/22
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	350		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	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	106		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-18
 Client ID: MW-63-032922
 Sample Location: PALMYRA NY

Date Collected: 03/29/22 13:15
 Date Received: 03/29/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water
 Analytical Method: 117,-
 Analytical Date: 04/11/22 19:47
 Analyst: BB

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	3.35		ug/l	0.500	0.500	1	A
Ethane	4.52		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-18 D
Client ID: MW-63-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 13:15
Date Received: 03/29/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/07/22 16:18
Analyst: MV

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	290		ug/l	2.5	0.18	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	1.1	J	ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	ND		ug/l	6.2	1.8	2.5
Trichloroethene	0.50	J	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: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-18 D
Client ID: MW-63-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 13:15
Date Received: 03/29/22
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	310		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	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	107		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/07/22 08:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-18 Batch: WG1625179-5					
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: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/07/22 08:23
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-18 Batch: WG1625179-5					
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: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/07/22 08:23
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-18 Batch: WG1625179-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	107		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/07/22 18:21
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-07 Batch: WG1625249-5					
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: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/07/22 18:21
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-07 Batch: WG1625249-5					
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: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/07/22 18:21
 Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-07 Batch: WG1625249-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	109		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/08/22 09:40
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG1625312-5					
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: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/08/22 09:40
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG1625312-5					
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: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/08/22 09:40
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG1625312-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	117		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 117,-
Analytical Date: 04/11/22 16:38
Analyst: BB

Parameter	Result	Qualifier	Units	RL	MDL
Dissolved Gases by GC - Mansfield Lab for sample(s): 01-03,16-18 Batch: WG1625960-3					
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

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-18 Batch: WG1625179-3 WG1625179-4								
Methylene chloride	100		110		70-130	10		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		110		70-130	10		20
Carbon tetrachloride	110		120		63-132	9		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	100		110		63-130	10		20
1,1,2-Trichloroethane	100		110		70-130	10		20
Tetrachloroethene	110		120		70-130	9		20
Chlorobenzene	100		110		75-130	10		20
Trichlorofluoromethane	120		130		62-150	8		20
1,2-Dichloroethane	99		100		70-130	1		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		110		67-130	10		20
trans-1,3-Dichloropropene	100		110		70-130	10		20
cis-1,3-Dichloropropene	96		100		70-130	4		20
Bromoform	98		100		54-136	2		20
1,1,2,2-Tetrachloroethane	99		110		67-130	11		20
Benzene	110		110		70-130	0		20
Toluene	110		110		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	100		100		64-130	0		20
Bromomethane	94		92		39-139	2		20
Vinyl chloride	120		120		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-18 Batch: WG1625179-3 WG1625179-4								
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	120		120		61-145	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	94		99		70-130	5		20
1,2-Dichlorobenzene	100		110		70-130	10		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	97		100		63-130	3		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	110		115		70-130	4		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Styrene	110		110		70-130	0		20
Dichlorodifluoromethane	120		130		36-147	8		20
Acetone	92		97		58-148	5		20
Carbon disulfide	110		120		51-130	9		20
2-Butanone	85		110		63-138	26	Q	20
4-Methyl-2-pentanone	97		100		59-130	3		20
2-Hexanone	100		110		57-130	10		20
Bromochloromethane	100		110		70-130	10		20
1,2-Dibromoethane	97		100		70-130	3		20
1,2-Dibromo-3-chloropropane	87		95		41-144	9		20
Isopropylbenzene	110		110		70-130	0		20
1,2,3-Trichlorobenzene	100		110		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-18 Batch: WG1625179-3 WG1625179-4								
1,2,4-Trichlorobenzene	100		110		70-130	10		20
Methyl Acetate	100		110		70-130	10		20
Cyclohexane	120		120		70-130	0		20
1,4-Dioxane	96		108		56-162	12		20
Freon-113	120		130		70-130	8		20
Methyl cyclohexane	110		120		70-130	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		102		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	101		103		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-07 Batch: WG1625249-3 WG1625249-4								
Methylene chloride	94		92		70-130	2		20
1,1-Dichloroethane	97		96		70-130	1		20
Chloroform	100		97		70-130	3		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	94		92		70-130	2		20
Dibromochloromethane	92		94		63-130	2		20
1,1,2-Trichloroethane	94		93		70-130	1		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	98		97		75-130	1		20
Trichlorofluoromethane	110		100		62-150	10		20
1,2-Dichloroethane	93		89		70-130	4		20
1,1,1-Trichloroethane	97		97		67-130	0		20
Bromodichloromethane	89		89		67-130	0		20
trans-1,3-Dichloropropene	87		86		70-130	1		20
cis-1,3-Dichloropropene	88		87		70-130	1		20
Bromoform	88		91		54-136	3		20
1,1,2,2-Tetrachloroethane	82		84		67-130	2		20
Benzene	100		97		70-130	3		20
Toluene	99		98		70-130	1		20
Ethylbenzene	96		95		70-130	1		20
Chloromethane	94		94		64-130	0		20
Bromomethane	72		70		39-139	3		20
Vinyl chloride	100		100		55-140	0		20

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-07 Batch: WG1625249-3 WG1625249-4								
Chloroethane	75		74		55-138	1		20
1,1-Dichloroethene	100		98		61-145	2		20
trans-1,2-Dichloroethene	94		92		70-130	2		20
Trichloroethene	110		100		70-130	10		20
1,2-Dichlorobenzene	100		98		70-130	2		20
1,3-Dichlorobenzene	100		98		70-130	2		20
1,4-Dichlorobenzene	98		96		70-130	2		20
Methyl tert butyl ether	86		85		63-130	1		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	100		99		70-130	1		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	120		98		58-148	20		20
Carbon disulfide	94		94		51-130	0		20
2-Butanone	91		90		63-138	1		20
4-Methyl-2-pentanone	74		76		59-130	3		20
2-Hexanone	79		79		57-130	0		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	94		95		70-130	1		20
1,2-Dibromo-3-chloropropane	86		89		41-144	3		20
Isopropylbenzene	97		93		70-130	4		20
1,2,3-Trichlorobenzene	97		95		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-07 Batch: WG1625249-3 WG1625249-4								
1,2,4-Trichlorobenzene	93		90		70-130	3		20
Methyl Acetate	91		88		70-130	3		20
Cyclohexane	100		100		70-130	0		20
1,4-Dioxane	88		94		56-162	7		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	95		91		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		89		70-130
Toluene-d8	97		100		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	101		97		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

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: WG1625312-3 WG1625312-4								
Methylene chloride	99		100		70-130	1		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	96		97		70-130	1		20
Dibromochloromethane	97		92		63-130	5		20
1,1,2-Trichloroethane	83		83		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	98		98		75-130	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	96		100		70-130	4		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	98		100		67-130	2		20
trans-1,3-Dichloropropene	82		82		70-130	0		20
cis-1,3-Dichloropropene	85		85		70-130	0		20
Bromoform	85		83		54-136	2		20
1,1,2,2-Tetrachloroethane	87		88		67-130	1		20
Benzene	100		100		70-130	0		20
Toluene	100		99		70-130	1		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	100		100		64-130	0		20
Bromomethane	86		92		39-139	7		20
Vinyl chloride	100		100		55-140	0		20

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

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: WG1625312-3 WG1625312-4								
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	100		110		70-130	10		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	97		97		70-130	0		20
1,3-Dichlorobenzene	96		96		70-130	0		20
1,4-Dichlorobenzene	96		96		70-130	0		20
Methyl tert butyl ether	89		92		63-130	3		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	90		90		70-130	0		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	100		100		58-148	0		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	90		100		63-138	11		20
4-Methyl-2-pentanone	76		75		59-130	1		20
2-Hexanone	74		83		57-130	11		20
Bromochloromethane	99		100		70-130	1		20
1,2-Dibromoethane	92		92		70-130	0		20
1,2-Dibromo-3-chloropropane	81		85		41-144	5		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	93		95		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

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: WG1625312-3 WG1625312-4								
1,2,4-Trichlorobenzene	94		96		70-130	2		20
Methyl Acetate	93		99		70-130	6		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	84		92		56-162	9		20
Freon-113	110		120		70-130	9		20
Methyl cyclohexane	94		91		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		101		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	105		103		70-130
Dibromofluoromethane	99		101		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Dissolved Gases by GC - Mansfield Lab Associated sample(s): 01-03,16-18 Batch: WG1625960-2									
Methane	106		-		80-120	-		25	A
Ethene	101		-		80-120	-		25	A
Ethane	100		-		80-120	-		25	A

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L2216196
Report Date: 04/19/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Gases by GC - Mansfield Lab Associated sample(s): 01-03,16-18 QC Batch ID: WG1625960-4 QC Sample: L2216196-02 Client ID: MW0610-5-032922						
Methane	2020	2070	ug/l	2		25 A
Ethene	0.678	0.775	ug/l	13		25 A
Ethane	1.96	2.00	ug/l	2		25 A

METALS

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-01
 Client ID: MW0610-4-032922
 Sample Location: PALMYRA NY

Date Collected: 03/29/22 09:20
 Date Received: 03/29/22
 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	1.75		mg/l	0.0500	0.0191	1	04/11/22 17:26	04/13/22 17:48	EPA 3005A	1,6020B	SV
Magnesium, Total	49.0		mg/l	0.0700	0.0242	1	04/11/22 17:26	04/13/22 17:48	EPA 3005A	1,6020B	SV
Manganese, Total	0.4728		mg/l	0.00100	0.00044	1	04/11/22 17:26	04/13/22 17:48	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	704.8		mg/l	0.5400	NA	1	04/11/22 17:26	04/13/22 17:48	EPA 3005A	1,6020B	SV



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-02
 Client ID: MW0610-5-032922
 Sample Location: PALMYRA NY

Date Collected: 03/29/22 10:00
 Date Received: 03/29/22
 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	7.28		mg/l	0.0500	0.0191	1	04/11/22 17:26	04/13/22 17:53	EPA 3005A	1,6020B	SV
Magnesium, Total	57.0		mg/l	0.0700	0.0242	1	04/11/22 17:26	04/13/22 17:53	EPA 3005A	1,6020B	SV
Manganese, Total	0.2883		mg/l	0.00100	0.00044	1	04/11/22 17:26	04/13/22 17:53	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	898.8		mg/l	0.5400	NA	1	04/11/22 17:26	04/13/22 17:53	EPA 3005A	1,6020B	SV



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-03
Client ID: MW0811-02--032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 08:50
Date Received: 03/29/22
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	1.24		mg/l	0.0500	0.0191	1	04/11/22 17:26	04/13/22 17:58	EPA 3005A	1,6020B	SV
Magnesium, Total	34.3		mg/l	0.0700	0.0242	1	04/11/22 17:26	04/13/22 17:58	EPA 3005A	1,6020B	SV
Manganese, Total	0.2946		mg/l	0.00100	0.00044	1	04/11/22 17:26	04/13/22 17:58	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	540.0		mg/l	0.5400	NA	1	04/11/22 17:26	04/13/22 17:58	EPA 3005A	1,6020B	SV



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-16
 Client ID: MW0610-01-032922
 Sample Location: PALMYRA NY

Date Collected: 03/29/22 12:45
 Date Received: 03/29/22
 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	13.0		mg/l	0.0500	0.0191	1	04/11/22 17:26	04/13/22 18:02	EPA 3005A	1,6020B	SV
Magnesium, Total	175.		mg/l	0.0700	0.0242	1	04/11/22 17:26	04/13/22 18:02	EPA 3005A	1,6020B	SV
Manganese, Total	0.9562		mg/l	0.00100	0.00044	1	04/11/22 17:26	04/13/22 18:02	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	1732.		mg/l	0.5400	NA	1	04/11/22 17:26	04/13/22 18:02	EPA 3005A	1,6020B	SV



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-17
 Client ID: MW0811-01-032922
 Sample Location: PALMYRA NY

Date Collected: 03/29/22 12:55
 Date Received: 03/29/22
 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	31.6		mg/l	0.0500	0.0191	1	04/11/22 17:26	04/13/22 18:37	EPA 3005A	1,6020B	SV
Magnesium, Total	171.		mg/l	0.350	0.121	5	04/11/22 17:26	04/13/22 19:59	EPA 3005A	1,6020B	SV
Manganese, Total	0.9966		mg/l	0.00100	0.00044	1	04/11/22 17:26	04/13/22 18:37	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	2320.		mg/l	2.700	NA	5	04/11/22 17:26	04/13/22 19:59	EPA 3005A	1,6020B	SV



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-18
 Client ID: MW-63-032922
 Sample Location: PALMYRA NY

Date Collected: 03/29/22 13:15
 Date Received: 03/29/22
 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	6.66		mg/l	0.0500	0.0191	1	04/11/22 17:26	04/13/22 18:42	EPA 3005A	1,6020B	SV
Magnesium, Total	159.		mg/l	0.350	0.121	5	04/11/22 17:26	04/13/22 20:04	EPA 3005A	1,6020B	SV
Manganese, Total	0.7721		mg/l	0.00100	0.00044	1	04/11/22 17:26	04/13/22 18:42	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	2424.		mg/l	2.700	NA	5	04/11/22 17:26	04/13/22 20:04	EPA 3005A	1,6020B	SV



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

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): 01-03,16-18 Batch: WG1624238-1									
Iron, Total	ND	mg/l	0.0500	0.0191	1	04/11/22 17:26	04/13/22 16:22	1,6020B	SV
Magnesium, Total	ND	mg/l	0.0700	0.0242	1	04/11/22 17:26	04/13/22 16:22	1,6020B	SV
Manganese, Total	ND	mg/l	0.00100	0.00044	1	04/11/22 17:26	04/13/22 16:22	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): 01-03,16-18 Batch: WG1624238-1									
Hardness	ND	mg/l	0.5400	NA	1	04/11/22 17:26	04/13/22 16:22	1,6020B	SV

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

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: WG1624238-2								
Iron, Total	93		-		80-120	-		
Magnesium, Total	99		-		80-120	-		
Manganese, Total	90		-		80-120	-		
Total Hardness (by calculation) - Mansfield Lab Associated sample(s): 01-03,16-18 Batch: WG1624238-2								
Hardness	86		-		80-120	-		
Hardness	97		-		80-120	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

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): 01-03,16-18 QC Batch ID: WG1624238-3 QC Sample: L2216325-01 Client ID: MS Sample												
Iron, Total	ND	1	0.927	93		-	-		75-125	-		20
Magnesium, Total	11.2	10	20.8	96		-	-		75-125	-		20
Manganese, Total	0.0016	0.5	0.4408	88		-	-		75-125	-		20
Total Hardness (by calculation) - Mansfield Lab Associated sample(s): 01-03,16-18 QC Batch ID: WG1624238-3 QC Sample: L2216325-01 Client ID: MS Sample												
Hardness	117.6	66.2	168.8	77		-	-		75-125	-		20

INORGANICS & MISCELLANEOUS

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-01
Client ID: MW0610-4-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 09:20
Date Received: 03/29/22
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	300.		mg CaCO3/L	2.00	NA	1	-	04/09/22 06:55	121,2320B	MR
Nitrogen, Nitrate	0.048	J	mg/l	0.10	0.023	1	-	03/31/22 06:25	44,353.2	KA
Chemical Oxygen Demand	76.		mg/l	10	2.7	1	04/10/22 11:00	04/10/22 13:56	44,410.4	TL
BOD, 5 day	4.8		mg/l	4.0	NA	2	03/30/22 10:05	04/04/22 10:10	121,5210B	MT
Total Organic Carbon	1.44		mg/l	1.00	0.228	2	-	04/14/22 06:49	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	2920		mg/l	50.0	8.39	100	-	04/05/22 17:17	44,300.0	SH
Sulfate	126.		mg/l	100	45.4	100	-	04/05/22 17:17	44,300.0	SH



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-02
Client ID: MW0610-5-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 10:00
Date Received: 03/29/22
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	373.		mg CaCO3/L	2.00	NA	1	-	04/09/22 06:55	121,2320B	MR
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	03/31/22 06:27	44,353.2	KA
Chemical Oxygen Demand	71.		mg/l	10	2.7	1	04/10/22 11:00	04/10/22 13:56	44,410.4	TL
BOD, 5 day	22.		mg/l	4.0	NA	2	03/30/22 10:05	04/04/22 10:10	121,5210B	MT
Total Organic Carbon	2.85		mg/l	1.00	0.228	2	-	04/14/22 07:11	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	3070		mg/l	50.0	8.39	100	-	04/05/22 17:28	44,300.0	SH
Sulfate	267.		mg/l	100	45.4	100	-	04/05/22 17:28	44,300.0	SH



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-03
Client ID: MW0811-02--032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 08:50
Date Received: 03/29/22
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	278.		mg CaCO3/L	2.00	NA	1	-	04/09/22 06:55	121,2320B	MR
Nitrogen, Nitrate	1.5		mg/l	0.10	0.023	1	-	03/31/22 06:28	44,353.2	KA
Chemical Oxygen Demand	34.		mg/l	10	2.7	1	04/10/22 11:00	04/10/22 13:56	44,410.4	TL
BOD, 5 day	2.0		mg/l	2.0	NA	1	03/30/22 10:05	04/04/22 10:10	121,5210B	MT
Total Organic Carbon	1.20		mg/l	0.500	0.114	1	-	04/14/22 07:33	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	2100		mg/l	50.0	8.39	100	-	04/05/22 21:42	44,300.0	SH
Sulfate	124.		mg/l	100	45.4	100	-	04/05/22 21:42	44,300.0	SH



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-04
Client ID: OW-1-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 10:40
Date Received: 03/29/22
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	04/10/22 11:00	04/10/22 13:56	44,410.4	TL
Total Organic Carbon	0.928		mg/l	0.500	0.114	1	-	04/14/22 07:51	121,5310C	DW



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-05
Client ID: OW-2/MW-41-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 11:00
Date Received: 03/29/22
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	04/10/22 11:00	04/10/22 13:57	44,410.4	TL
Total Organic Carbon	2.20		mg/l	0.500	0.114	1	-	04/14/22 08:12	121,5310C	DW



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-06
Client ID: OW-3/AOC-2-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 11:20
Date Received: 03/29/22
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	04/10/22 11:00	04/10/22 13:57	44,410.4	TL
Total Organic Carbon	4.40		mg/l	0.500	0.114	1	-	04/14/22 08:34	121,5310C	DW



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-07
Client ID: OW-4/MW-28-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 11:05
Date Received: 03/29/22
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	04/10/22 11:00	04/10/22 13:57	44,410.4	TL
Total Organic Carbon	0.842		mg/l	0.500	0.114	1	-	04/14/22 08:55	121,5310C	DW



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-08
Client ID: OW-5-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 10:45
Date Received: 03/29/22
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	04/10/22 11:00	04/10/22 13:57	44,410.4	TL
Total Organic Carbon	0.743		mg/l	0.500	0.114	1	-	04/14/22 09:17	121,5310C	DW



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-16
Client ID: MW0610-01-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 12:45
Date Received: 03/29/22
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	265.		mg CaCO3/L	2.00	NA	1	-	04/09/22 06:55	121,2320B	MR
Nitrogen, Nitrate	0.024	J	mg/l	0.10	0.023	1	-	03/31/22 06:29	44,353.2	KA
Chemical Oxygen Demand	95.		mg/l	10	2.7	1	04/10/22 11:00	04/10/22 13:57	44,410.4	TL
BOD, 5 day	ND		mg/l	10	NA	5	03/30/22 10:05	04/04/22 10:10	121,5210B	MT
Total Organic Carbon	0.913	J	mg/l	1.00	0.228	2	-	04/14/22 10:18	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	2960		mg/l	50.0	8.39	100	-	04/05/22 18:12	44,300.0	SH
Sulfate	185.		mg/l	100	45.4	100	-	04/05/22 18:12	44,300.0	SH



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-17
Client ID: MW0811-01-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 12:55
Date Received: 03/29/22
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	358.		mg CaCO3/L	2.00	NA	1	-	04/09/22 06:55	121,2320B	MR
Nitrogen, Nitrate	0.28		mg/l	0.10	0.023	1	-	03/31/22 06:31	44,353.2	KA
Chemical Oxygen Demand	62.		mg/l	10	2.7	1	04/10/22 11:00	04/10/22 13:57	44,410.4	TL
BOD, 5 day	19.		mg/l	10	NA	5	03/30/22 10:05	04/04/22 10:10	121,5210B	MT
Total Organic Carbon	2.67		mg/l	1.00	0.228	2	-	04/14/22 10:40	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	1190		mg/l	50.0	8.39	100	-	04/05/22 18:23	44,300.0	SH
Sulfate	672.		mg/l	100	45.4	100	-	04/05/22 18:23	44,300.0	SH



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

SAMPLE RESULTS

Lab ID: L2216196-18
Client ID: MW-63-032922
Sample Location: PALMYRA NY

Date Collected: 03/29/22 13:15
Date Received: 03/29/22
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	350.		mg CaCO3/L	2.00	NA	1	-	04/09/22 06:55	121,2320B	MR
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	03/31/22 06:36	44,353.2	KA
Chemical Oxygen Demand	69.		mg/l	10	2.7	1	04/10/22 11:00	04/10/22 13:58	44,410.4	TL
BOD, 5 day	ND		mg/l	2.0	NA	1	03/30/22 10:05	04/04/22 10:10	121,5210B	MT
Total Organic Carbon	0.848	J	mg/l	1.00	0.228	2	-	04/14/22 11:00	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	3060		mg/l	50.0	8.39	100	-	04/05/22 18:34	44,300.0	SH
Sulfate	680.		mg/l	100	45.4	100	-	04/05/22 18:34	44,300.0	SH



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

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): 01-03,16-18 Batch: WG1621535-1										
BOD, 5 day	ND		mg/l	2.0	NA	1	03/30/22 10:05	04/04/22 10:10	121,5210B	MT
General Chemistry - Westborough Lab for sample(s): 01-03,16-18 Batch: WG1621762-1										
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	03/31/22 07:35	44,353.2	KA
Anions by Ion Chromatography - Westborough Lab for sample(s): 01-03,16-18 Batch: WG1623857-1										
Chloride	ND		mg/l	0.500	0.083	1	-	04/05/22 16:11	44,300.0	SH
Sulfate	ND		mg/l	1.00	0.454	1	-	04/05/22 16:11	44,300.0	SH
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1625377-1										
Alkalinity, Total	ND		mg CaCO ₃ /L	2.00	NA	1	-	04/09/22 06:55	121,2320B	MR
General Chemistry - Westborough Lab for sample(s): 16-18 Batch: WG1625378-1										
Alkalinity, Total	ND		mg CaCO ₃ /L	2.00	NA	1	-	04/09/22 06:55	121,2320B	MR
General Chemistry - Westborough Lab for sample(s): 01-08,16-18 Batch: WG1625555-1										
Chemical Oxygen Demand	ND		mg/l	10	2.7	1	04/10/22 11:00	04/10/22 13:54	44,410.4	TL
General Chemistry - Westborough Lab for sample(s): 01-08,16-18 Batch: WG1627012-1										
Total Organic Carbon	ND		mg/l	0.500	0.114	1	-	04/14/22 05:37	121,5310C	DW

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

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: WG1621535-2								
BOD, 5 day	110		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03,16-18 Batch: WG1621762-2								
Nitrogen, Nitrate	98		-		90-110	-		
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-03,16-18 Batch: WG1623857-2								
Chloride	95		-		90-110	-		
Sulfate	94		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1625377-2								
Alkalinity, Total	107		-		90-110	-		10
General Chemistry - Westborough Lab Associated sample(s): 16-18 Batch: WG1625378-2								
Alkalinity, Total	107		-		90-110	-		10
General Chemistry - Westborough Lab Associated sample(s): 01-08,16-18 Batch: WG1625555-2								
Chemical Oxygen Demand	98		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-08,16-18 Batch: WG1627012-2								
Total Organic Carbon	99		-		90-110	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

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): 01-03,16-18 QC Batch ID: WG1621535-4 QC Sample: L2216157-01 Client ID: MS Sample												
BOD, 5 day	22.	200	250	114		-	-		50-145	-		35
General Chemistry - Westborough Lab Associated sample(s): 01-03,16-18 QC Batch ID: WG1621762-4 QC Sample: L2216211-01 Client ID: MS Sample												
Nitrogen, Nitrate	25.	4	29	100		-	-		83-113	-		6
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-03,16-18 QC Batch ID: WG1623857-3 WG1623857-4 QC Sample: L2216211-01 Client ID: MS Sample												
Chloride	824.	200	1020	98		1020	98		90-110	0		18
Sulfate	333.	400	724	98		724	98		90-110	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1625377-4 QC Sample: L2216104-08 Client ID: MS Sample												
Alkalinity, Total	64.5	100	188	124	Q	-	-		86-116	-		10
General Chemistry - Westborough Lab Associated sample(s): 16-18 QC Batch ID: WG1625378-4 QC Sample: L2216211-01 Client ID: MS Sample												
Alkalinity, Total	1500	5	2120	112		-	-		86-116	-		10
General Chemistry - Westborough Lab Associated sample(s): 16-18 QC Batch ID: WG1625378-6 QC Sample: L2216214-02 Client ID: MS Sample												
Alkalinity, Total	87.6	100	220	132	Q	-	-		86-116	-		10
General Chemistry - Westborough Lab Associated sample(s): 01-08,16-18 QC Batch ID: WG1625555-3 QC Sample: L2216196-01 Client ID: MW0610-4-032922												
Chemical Oxygen Demand	76.	47.6	110	69	Q	-	-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-08,16-18 QC Batch ID: WG1627012-4 QC Sample: L2217127-02 Client ID: MS Sample												
Total Organic Carbon	294.	1600	1920	102		-	-		80-120	-		20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,16-18 QC Batch ID: WG1621535-3 QC Sample: L2216157-01 Client ID: DUP Sample						
BOD, 5 day	22.	31	mg/l	34		35
General Chemistry - Westborough Lab Associated sample(s): 01-03,16-18 QC Batch ID: WG1621762-3 QC Sample: L2216211-01 Client ID: DUP Sample						
Nitrogen, Nitrate	25.	25	mg/l	0		6
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1625377-3 QC Sample: L2216104-08 Client ID: DUP Sample						
Alkalinity, Total	64.5	63.9	mg CaCO3/L	1		10
General Chemistry - Westborough Lab Associated sample(s): 16-18 QC Batch ID: WG1625378-3 QC Sample: L2216211-01 Client ID: DUP Sample						
Alkalinity, Total	1500	1550	mg CaCO3/L	3		10
General Chemistry - Westborough Lab Associated sample(s): 16-18 QC Batch ID: WG1625378-5 QC Sample: L2216214-02 Client ID: DUP Sample						
Alkalinity, Total	87.6	87.8	mg CaCO3/L	0		10
General Chemistry - Westborough Lab Associated sample(s): 01-08,16-18 QC Batch ID: WG1625555-4 QC Sample: L2216196-01 Client ID: MW0610-4-032922						
Chemical Oxygen Demand	76.	86	mg/l	12		20
General Chemistry - Westborough Lab Associated sample(s): 01-08,16-18 QC Batch ID: WG1627012-3 QC Sample: L2217127-02 Client ID: DUP Sample						
Total Organic Carbon	294.	309	mg/l	5		20

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2216196**Report Date:** 04/19/22**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(*)
L2216196-01A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-01B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-01C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-01D	20ml Vial HCl preserved	A	NA		4.4	Y	Absent		DISSGAS(14)
L2216196-01E	20ml Vial HCl preserved	A	NA		4.4	Y	Absent		DISSGAS(14)
L2216196-01F	Vial H2SO4 preserved	A	NA		4.4	Y	Absent		TOC-5310(28)
L2216196-01G	Vial H2SO4 preserved	A	NA		4.4	Y	Absent		TOC-5310(28)
L2216196-01H	Plastic 250ml unpreserved/No Headspace	A	NA		4.4	Y	Absent		ALK-T-2320(14)
L2216196-01I	Plastic 250ml HNO3 preserved	B	<2	<2	4.5	Y	Absent		FE-6020T(180),MN-6020T(180),MG-6020T(180),HARDT-6020(180)
L2216196-01J	Plastic 250ml H2SO4 preserved	B	<2	<2	4.5	Y	Absent		COD-410-LOW(28)
L2216196-01K	Plastic 950ml unpreserved	B	7	7	4.5	Y	Absent		SO4-300(28),CL-300(28),NO3-353(2),BOD-5210(2)
L2216196-02A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-02B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-02C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-02D	20ml Vial HCl preserved	A	NA		4.4	Y	Absent		DISSGAS(14)
L2216196-02E	20ml Vial HCl preserved	A	NA		4.4	Y	Absent		DISSGAS(14)
L2216196-02F	Vial H2SO4 preserved	A	NA		4.4	Y	Absent		TOC-5310(28)
L2216196-02G	Vial H2SO4 preserved	A	NA		4.4	Y	Absent		TOC-5310(28)
L2216196-02H	Plastic 250ml unpreserved/No Headspace	A	NA		4.4	Y	Absent		ALK-T-2320(14)
L2216196-02I	Plastic 250ml HNO3 preserved	B	<2	<2	4.5	Y	Absent		FE-6020T(180),MN-6020T(180),MG-6020T(180),HARDT-6020(180)
L2216196-02J	Plastic 250ml H2SO4 preserved	B	<2	<2	4.5	Y	Absent		COD-410-LOW(28)

Project Name: GARLOCK
Project Number: 12578577-2201

Serial_No: 04192217:25
Lab Number: L2216196
Report Date: 04/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2216196-02K	Plastic 950ml unpreserved	B	7	7	4.5	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2216196-03A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-03B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-03C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-03D	20ml Vial HCl preserved	A	NA		4.4	Y	Absent		DISSGAS(14)
L2216196-03E	20ml Vial HCl preserved	A	NA		4.4	Y	Absent		DISSGAS(14)
L2216196-03F	Vial H2SO4 preserved	A	NA		4.4	Y	Absent		TOC-5310(28)
L2216196-03G	Vial H2SO4 preserved	A	NA		4.4	Y	Absent		TOC-5310(28)
L2216196-03H	Plastic 250ml unpreserved/No Headspace	B	NA		4.5	Y	Absent		ALK-T-2320(14)
L2216196-03I	Plastic 250ml HNO3 preserved	B	<2	<2	4.5	Y	Absent		FE-6020T(180),MN-6020T(180),MG-6020T(180),HARDT-6020(180)
L2216196-03J	Plastic 250ml H2SO4 preserved	B	<2	<2	4.5	Y	Absent		COD-410-LOW(28)
L2216196-03K	Plastic 950ml unpreserved	B	7	7	4.5	Y	Absent		SO4-300(28),CL-300(28),NO3-353(2),BOD-5210(2)
L2216196-04A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-04B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-04C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-04D	Vial H2SO4 preserved	A	NA		4.4	Y	Absent		TOC-5310(28)
L2216196-04E	Vial H2SO4 preserved	A	NA		4.4	Y	Absent		TOC-5310(28)
L2216196-04F	Plastic 250ml H2SO4 preserved	B	<2	<2	4.5	Y	Absent		COD-410-LOW(28)
L2216196-05A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-05B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-05C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-05D	Vial H2SO4 preserved	A	NA		4.4	Y	Absent		TOC-5310(28)
L2216196-05E	Vial H2SO4 preserved	A	NA		4.4	Y	Absent		TOC-5310(28)
L2216196-05F	Plastic 250ml H2SO4 preserved	B	<2	<2	4.5	Y	Absent		COD-410-LOW(28)
L2216196-06A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-06B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-06C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)

Project Name: GARLOCK
Project Number: 12578577-2201

Serial_No:04192217:25
Lab Number: L2216196
Report Date: 04/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2216196-06D	Vial H2SO4 preserved	A	NA		4.4	Y	Absent		TOC-5310(28)
L2216196-06E	Vial H2SO4 preserved	A	NA		4.4	Y	Absent		TOC-5310(28)
L2216196-06F	Plastic 250ml H2SO4 preserved	B	<2	<2	4.5	Y	Absent		COD-410-LOW(28)
L2216196-07A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-07B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-07C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-07D	Vial H2SO4 preserved	A	NA		4.4	Y	Absent		TOC-5310(28)
L2216196-07E	Vial H2SO4 preserved	A	NA		4.4	Y	Absent		TOC-5310(28)
L2216196-07F	Plastic 250ml H2SO4 preserved	B	<2	<2	4.5	Y	Absent		COD-410-LOW(28)
L2216196-08A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-08B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-08C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-08D	Vial H2SO4 preserved	A	NA		4.4	Y	Absent		TOC-5310(28)
L2216196-08E	Vial H2SO4 preserved	A	NA		4.4	Y	Absent		TOC-5310(28)
L2216196-08F	Plastic 250ml H2SO4 preserved	B	<2	<2	4.5	Y	Absent		COD-410-LOW(28)
L2216196-09A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-09B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-09C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-10A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-10B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-10C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-11A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-11B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-11C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-12A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-12B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-12C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-13A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)

Project Name: GARLOCK
Project Number: 12578577-2201

Serial_No:04192217:25
Lab Number: L2216196
Report Date: 04/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2216196-13B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-13C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-14A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-14B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-14C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-15A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-15B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-16A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-16B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-16C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-16D	20ml Vial HCl preserved	A	NA		4.4	Y	Absent		DISSGAS(14)
L2216196-16E	20ml Vial HCl preserved	A	NA		4.4	Y	Absent		DISSGAS(14)
L2216196-16F	Vial H2SO4 preserved	A	NA		4.4	Y	Absent		TOC-5310(28)
L2216196-16G	Vial H2SO4 preserved	A	NA		4.4	Y	Absent		TOC-5310(28)
L2216196-16H	Plastic 250ml unpreserved/No Headspace	A	NA		4.4	Y	Absent		ALK-T-2320(14)
L2216196-16I	Plastic 250ml HNO3 preserved	B	<2	<2	4.5	Y	Absent		FE-6020T(180),MN-6020T(180),MG-6020T(180),HARDT-6020(180)
L2216196-16J	Plastic 250ml H2SO4 preserved	B	<2	<2	4.5	Y	Absent		COD-410-LOW(28)
L2216196-16K	Plastic 950ml unpreserved	A	7	7	4.4	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2216196-17A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-17B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-17C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-17D	20ml Vial HCl preserved	A	NA		4.4	Y	Absent		DISSGAS(14)
L2216196-17E	20ml Vial HCl preserved	A	NA		4.4	Y	Absent		DISSGAS(14)
L2216196-17F	Vial H2SO4 preserved	A	NA		4.4	Y	Absent		TOC-5310(28)
L2216196-17G	Vial H2SO4 preserved	A	NA		4.4	Y	Absent		TOC-5310(28)
L2216196-17H	Plastic 250ml unpreserved/No Headspace	A	NA		4.4	Y	Absent		ALK-T-2320(14)
L2216196-17I	Plastic 250ml HNO3 preserved	B	<2	<2	4.5	Y	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)

Project Name: GARLOCK
Project Number: 12578577-2201

Serial_No:04192217:25
Lab Number: L2216196
Report Date: 04/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2216196-17J	Plastic 250ml H2SO4 preserved	B	<2	<2	4.5	Y	Absent		COD-410-LOW(28)
L2216196-17K	Plastic 950ml unpreserved	A	7	7	4.4	Y	Absent		SO4-300(28),CL-300(28),NO3-353(2),BOD-5210(2)
L2216196-18A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-18B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-18C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2216196-18D	20ml Vial HCl preserved	A	NA		4.4	Y	Absent		DISSGAS(14)
L2216196-18E	20ml Vial HCl preserved	A	NA		4.4	Y	Absent		DISSGAS(14)
L2216196-18F	Vial H2SO4 preserved	A	NA		4.4	Y	Absent		TOC-5310(28)
L2216196-18G	Vial H2SO4 preserved	A	NA		4.4	Y	Absent		TOC-5310(28)
L2216196-18H	Plastic 250ml unpreserved/No Headspace	A	NA		4.4	Y	Absent		ALK-T-2320(14)
L2216196-18I	Plastic 250ml HNO3 preserved	B	<2	<2	4.5	Y	Absent		FE-6020T(180),MN-6020T(180),MG-6020T(180),HARDT-6020(180)
L2216196-18J	Plastic 250ml H2SO4 preserved	B	<2	<2	4.5	Y	Absent		COD-410-LOW(28)
L2216196-18K	Plastic 950ml unpreserved	A	7	7	4.4	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)

Project Name: GARLOCK
Project Number: 12578577-2201

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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



Project Name: GARLOCK
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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: 12578577-2201

Lab Number: L2216196
Report Date: 04/19/22

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.



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

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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.

ALPHA Job #
L2216196

Client:	GHD
Address:	One Remington Park Drive Cazenovia NY
Phone:	315-679-5732
Fax:	
Email:	Tan.McNamara@ghd.co

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	

☐ Same as Client Info
PO #

☐ NJ ☐ NY
☐ Other:

Metals Fe, Mg, Mn
Please specify Metals or TAL. ✓

TCL VOCs
TOC
COD
BOD, Cl, SO ₄ NO ₃
AIK
Diss. Gases
T. Metals / Hardness

(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 branched alkane structure. 5. The compound is identified as 2-methylpropane (isobutane).

[illegible]

V	V	P	P	P	V	P
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B	D	D	A	A	D	C
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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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		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>3/30/22</u>		ALPHA Job # <u>122161916</u>	
		Project Information Project Name: <u>Garlock AOC-2</u> Project Location: <u>Palmyra NY</u> Project # <u>12578577-2201</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: <u>Ten. McNamara@ghd.com</u> Email: <u>Ten. 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 ☒						ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)	
Other project specific requirements/comments:						TEL VOCs TOC COD		Total Bottles	
Please specify Metals or TAL.									
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials	
<u>161916-04</u>		<u>OW-1-032922</u>		<u>3/29/22 1040</u>		<u>GW SG</u>		<u>SG</u>	
<u>05</u>		<u>OW-2/MW-41-032922</u>		<u>3/29/22 1100</u>		<u>GW SG</u>		<u>SG</u>	
<u>06</u>		<u>OW-3/AOC-2-032922</u>		<u>3/29/22 1120</u>		<u>GW SG</u>		<u>SG</u>	
<u>07</u>		<u>OW-4/MW-28-032922</u>		<u>3/29/22 1105</u>		<u>GW DJT</u>		<u>DJT</u>	
<u>08</u>		<u>OW-5-032922</u>		<u>3/29/22 1045</u>		<u>GW DJT</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		V V P B D D	
Form No: 01-25 HC (rev. 30-Sept-2013)		Relinquished By: <u>Dene Gya</u> <u>SECURE STORAGE AREA</u> <u>R Cunningham</u>		Date/Time <u>3/29/22 12:17</u> <u>3/29/22 16:55</u> <u>3/29/22 16:55</u>		Received By: <u>SECURE STORAGE AREA</u> <u>R Cunningham</u> <u>R Cunningham</u>		Date/Time <u>3/29/22 12:17</u> <u>3/29/22 16:55</u> <u>3/30/22 0100</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.)									

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

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of 1

Date Rec'd
in Lab 3/30/22

ALPHA Job #
L2216196

Project Name:	Garlock AOC-3/AOC-4, Toluene Area
Project Location:	Palmyra NY
Project #	12578577-2201

☐ ASP-A
 ☒ ASP-B
☐ EQUIS (1 File)
 ☒ EQUIS (4 File)
☐ Other

☐ Same as Client Info

Client: GHD
Address: One Remington Park
Drive, Cazenovia NY
Phone: 315-679-5732
Fax:
Email: Jan.McNamara@ghd.com

(Use Project name as Project #)	☐
Project Manager:	Melissa Day
ALPHAQuote #:	

☒ NY TOGS
 ☐ NY Part 375
☐ AWQ Standards
 ☐ NY CP-51
☐ NY Restricted Use
 ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

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)

Sample Specific Comments

Please specify Metals or TAL.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		
112196-09	MW0512-01-032922	3/29/22	1215	GW	DJT
10	MW0512-02-032922	3/29/22	1145	GW	SG
11	MW0911-01-032922	3/29/22	1210	GW	DJT
12	MW0911-02-032922	3/29/22	1145	GW	DJT
13	IW-1-032922	3/29/22	0935	GW	DJT
14	IW-2-032922	3/29/22	0900	GW	DJT
15	Tripblank-032922	3/29/22		TB	DJT

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

P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Mansfield: Certification No: MA015

Container Type ☒

Preservative | R

Relinquished By:

Date/Time

Received By:

Date/Time

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.)

2nd Quarter 2022



ANALYTICAL REPORT

Lab Number:	L2234416
Client:	GHD, Inc. 5788 Widewaters Pkwy Syracuse, NY 13214
ATTN:	Ian McNamara
Phone:	(315) 802-0312
Project Name:	GARLOCK
Project Number:	12578577-2201
Report Date:	07/20/22

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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: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2234416-01	MW0610-4-062822	WATER	PALMYRA NY	06/28/22 10:40	06/28/22
L2234416-02	MW0610-5-062822	WATER	PALMYRA NY	06/28/22 10:15	06/28/22
L2234416-03	MW0811-02-062822	WATER	PALMYRA NY	06/28/22 10:00	06/28/22
L2234416-04	OW-1-062822	WATER	PALMYRA NY	06/28/22 11:40	06/28/22
L2234416-05	OW-2/MW-41-062822	WATER	PALMYRA NY	06/28/22 11:55	06/28/22
L2234416-06	OW-3/AOC-2-062822	WATER	PALMYRA NY	06/28/22 11:35	06/28/22
L2234416-07	OW-4/MW-28-062822	WATER	PALMYRA NY	06/28/22 12:10	06/28/22
L2234416-08	OW-5-062822	WATER	PALMYRA NY	06/28/22 12:20	06/28/22
L2234416-09	MW0610-1-062822	WATER	PALMYRA NY	06/28/22 14:15	06/28/22
L2234416-10	MW0811-01-062822	WATER	PALMYRA NY	06/28/22 13:55	06/28/22
L2234416-11	MW-63-062822	WATER	PALMYRA NY	06/28/22 14:35	06/28/22
L2234416-12	MW0512-01-062822	WATER	PALMYRA NY	06/28/22 13:20	06/28/22
L2234416-13	MW0512-02-062822	WATER	PALMYRA NY	06/28/22 12:45	06/28/22
L2234416-14	MW0911-01-062822	WATER	PALMYRA NY	06/28/22 13:15	06/28/22
L2234416-15	MW0911-02-062822	WATER	PALMYRA NY	06/28/22 12:50	06/28/22
L2234416-16	IW-1-062822	WATER	PALMYRA NY	06/28/22 09:25	06/28/22
L2234416-17	IW-2-062822	WATER	PALMYRA NY	06/28/22 09:30	06/28/22
L2234416-18	TRIP BLANK-062822	WATER	PALMYRA NY	06/28/22 00:00	06/28/22

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

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: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

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.

Sample Receipt

L2234416-01, -02, -03, -09, -10, and -11: The sample was received above the appropriate pH for the Total Metals analysis. The laboratory added additional HNO₃ to a pH <2.

Volatile Organics

L2234416-02: The trichloroethene result should be considered estimated due to co-elution with a non-target compound.

L2234416-11D: The analysis was performed utilizing a compromised vial.

Dissolved Gases

L2234416-10: The sample was collected in pre-preserved vials; however, the pH of the sample was determined to be greater than two.

Total Organic Carbon

L2234416-09: The sample has an elevated detection limit due to the dilution required by the sample matrix. The WG1663961-3 Laboratory Duplicate RPD for total organic carbon (43%), performed on L2234416-01, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

BOD, 5 day

L2234416-01, -03, -09, and -11: 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

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Case Narrative (continued)

could not be performed.

L2234416-02: The sample was analyzed with the method required holding time exceeded.

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: 07/20/22

ORGANICS

VOLATILES

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-01
Client ID: MW0610-4-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 10:40
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 07/01/22 15:49
Analyst: JT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	3130		ug/l	2.00	2.00	1	A
Ethene	ND		ug/l	0.500	0.500	1	A
Ethane	0.505		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-01 D
Client ID: MW0610-4-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 10:40
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/08/22 17:25
Analyst: PD

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	ND		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: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-01 D
Client ID: MW0610-4-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 10:40
Date Received: 06/28/22
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	ND		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	8.4	J	ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	104		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-02
Client ID: MW0610-5-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 10:15
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/08/22 17:52
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	12		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	0.85		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-02
Client ID: MW0610-5-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 10:15
Date Received: 06/28/22
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	2.0	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	3.4	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	101		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-02
Client ID: MW0610-5-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 10:15
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 06/30/22 17:51
Analyst: BB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	2890		ug/l	2.00	2.00	1	A
Ethene	1.06		ug/l	0.500	0.500	1	A
Ethane	2.88		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-03
Client ID: MW0811-02-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 10:00
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/08/22 18:20
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	0.42	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	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: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-03
Client ID: MW0811-02-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 10:00
Date Received: 06/28/22
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	9.1	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	102		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-03
Client ID: MW0811-02-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 10:00
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 07/01/22 12:37
Analyst: JT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	701		ug/l	2.00	2.00	1	A
Ethene	ND		ug/l	0.500	0.500	1	A
Ethane	0.837		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-04
Client ID: OW-1-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 11:40
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/09/22 12:44
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	3.2		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	0.30	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-04
Client ID: OW-1-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 11:40
Date Received: 06/28/22
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	1.7	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	97		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	123		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-05 D
Client ID: OW-2/MW-41-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 11:55
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/09/22 13:09
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	170		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	1000		ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	11		ug/l	10	3.4	20
trans-1,2-Dichloroethene	24	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: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-05 D
Client ID: OW-2/MW-41-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 11:55
Date Received: 06/28/22
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	1800		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	102		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	123		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-06 D2
Client ID: OW-3/AOC-2-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 11:35
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/11/22 16:10
Analyst: MV

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	4900		ug/l	100	7.1	100
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	93		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-06 D
Client ID: OW-3/AOC-2-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 11:35
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/09/22 13:35
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	380		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	4500	E	ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	4.1	J	ug/l	10	3.4	20
trans-1,2-Dichloroethene	29	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: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-06 D
Client ID: OW-3/AOC-2-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 11:35
Date Received: 06/28/22
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	1500		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	104		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	127		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-07
Client ID: OW-4/MW-28-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 12:10
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/11/22 16:33
Analyst: MV

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	49		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	190		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	0.39	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-07
Client ID: OW-4/MW-28-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 12:10
Date Received: 06/28/22
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	20		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	88		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	93		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-08
Client ID: OW-5-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 12:20
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/11/22 16:57
Analyst: MV

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	27		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	89		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: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-08
Client ID: OW-5-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 12:20
Date Received: 06/28/22
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	4.2		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	90		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	93		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-09
Client ID: MW0610-1-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 14:15
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 07/01/22 12:57
Analyst: JT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	3340		ug/l	2.00	2.00	1	A
Ethene	15.8		ug/l	0.500	0.500	1	A
Ethane	18.6		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-09 D
Client ID: MW0610-1-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 14:15
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/11/22 18:08
Analyst: MV

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	260		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	0.61	J	ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	2.0	J	ug/l	5.0	1.4	2
Trichloroethene	7.1		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-09 D
Client ID: MW0610-1-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 14:15
Date Received: 06/28/22
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	220		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	88		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	93		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-10
Client ID: MW0811-01-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 13:55
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 07/01/22 15:12
Analyst: JT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	9440		ug/l	2.00	2.00	1	A
Ethene	36.0		ug/l	0.500	0.500	1	A
Ethane	41.4		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-10 D
Client ID: MW0811-01-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 13:55
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/09/22 15:15
Analyst: MKS

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	ND		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	920		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Trichloroethene	ND		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-10 D
Client ID: MW0811-01-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 13:55
Date Received: 06/28/22
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	340		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	106		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	126		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-11
Client ID: MW-63-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 14:35
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 07/01/22 15:31
Analyst: JT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	476		ug/l	2.00	2.00	1	A
Ethene	20.4		ug/l	0.500	0.500	1	A
Ethane	7.60		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-11 D
Client ID: MW-63-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 14:35
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/12/22 15:54
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	210		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	0.68	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: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-11 D
Client ID: MW-63-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 14:35
Date Received: 06/28/22
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	260		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	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	111		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-12 D
Client ID: MW0512-01-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 13:20
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/09/22 16:05
Analyst: MKS

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	600	J	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	ND		ug/l	1200	350	500
1,2-Dichloroethane	ND		ug/l	250	66.	500
1,1,1-Trichloroethane	1900		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	4700		ug/l	1200	350	500
Ethylbenzene	ND		ug/l	1200	350	500
Chloromethane	ND		ug/l	1200	350	500
Bromomethane	ND		ug/l	1200	350	500
Vinyl chloride	1300		ug/l	500	36.	500
Chloroethane	ND		ug/l	1200	350	500
1,1-Dichloroethene	100	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
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-12 D
Client ID: MW0512-01-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 13:20
Date Received: 06/28/22
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	990	J	ug/l	1200	350	500
o-Xylene	380	J	ug/l	1200	350	500
cis-1,2-Dichloroethene	43000		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	107		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	128		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-13 D
Client ID: MW0512-02-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 12:45
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/11/22 17:20
Analyst: MV

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	340		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	1200		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	2500		ug/l	50	3.6	50
Chloroethane	39	J	ug/l	120	35.	50
1,1-Dichloroethene	12	J	ug/l	25	8.4	50
trans-1,2-Dichloroethene	35	J	ug/l	120	35.	50
Trichloroethene	37		ug/l	25	8.8	50
1,2-Dichlorobenzene	ND		ug/l	120	35.	50

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-13 D
Client ID: MW0512-02-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 12:45
Date Received: 06/28/22
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	6400		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	88		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	91		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-14 D
Client ID: MW0911-01-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 13:15
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/11/22 17:44
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	62	18.	25
1,1-Dichloroethane	36	J	ug/l	62	18.	25
Chloroform	ND		ug/l	62	18.	25
Carbon tetrachloride	ND		ug/l	12	3.4	25
1,2-Dichloropropane	ND		ug/l	25	3.4	25
Dibromochloromethane	ND		ug/l	12	3.7	25
1,1,2-Trichloroethane	ND		ug/l	38	12.	25
Tetrachloroethene	ND		ug/l	12	4.5	25
Chlorobenzene	ND		ug/l	62	18.	25
Trichlorofluoromethane	ND		ug/l	62	18.	25
1,2-Dichloroethane	ND		ug/l	12	3.3	25
1,1,1-Trichloroethane	ND		ug/l	62	18.	25
Bromodichloromethane	ND		ug/l	12	4.8	25
trans-1,3-Dichloropropene	ND		ug/l	12	4.1	25
cis-1,3-Dichloropropene	ND		ug/l	12	3.6	25
Bromoform	ND		ug/l	50	16.	25
1,1,2,2-Tetrachloroethane	ND		ug/l	12	4.2	25
Benzene	ND		ug/l	12	4.0	25
Toluene	ND		ug/l	62	18.	25
Ethylbenzene	ND		ug/l	62	18.	25
Chloromethane	ND		ug/l	62	18.	25
Bromomethane	ND		ug/l	62	18.	25
Vinyl chloride	390		ug/l	25	1.8	25
Chloroethane	ND		ug/l	62	18.	25
1,1-Dichloroethene	7.7	J	ug/l	12	4.2	25
trans-1,2-Dichloroethene	34	J	ug/l	62	18.	25
Trichloroethene	23		ug/l	12	4.4	25
1,2-Dichlorobenzene	ND		ug/l	62	18.	25

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-14 D
Client ID: MW0911-01-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 13:15
Date Received: 06/28/22
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	62	18.	25
1,4-Dichlorobenzene	ND		ug/l	62	18.	25
Methyl tert butyl ether	ND		ug/l	62	18.	25
p/m-Xylene	ND		ug/l	62	18.	25
o-Xylene	ND		ug/l	62	18.	25
cis-1,2-Dichloroethene	2600		ug/l	62	18.	25
Styrene	ND		ug/l	62	18.	25
Dichlorodifluoromethane	ND		ug/l	120	25.	25
Acetone	ND		ug/l	120	36.	25
Carbon disulfide	ND		ug/l	120	25.	25
2-Butanone	ND		ug/l	120	48.	25
4-Methyl-2-pentanone	ND		ug/l	120	25.	25
2-Hexanone	ND		ug/l	120	25.	25
Bromochloromethane	ND		ug/l	62	18.	25
1,2-Dibromoethane	ND		ug/l	50	16.	25
1,2-Dibromo-3-chloropropane	ND		ug/l	62	18.	25
Isopropylbenzene	ND		ug/l	62	18.	25
1,2,3-Trichlorobenzene	ND		ug/l	62	18.	25
1,2,4-Trichlorobenzene	ND		ug/l	62	18.	25
Methyl Acetate	ND		ug/l	50	5.8	25
Cyclohexane	ND		ug/l	250	6.8	25
1,4-Dioxane	ND		ug/l	6200	1500	25
Freon-113	ND		ug/l	62	18.	25
Methyl cyclohexane	ND		ug/l	250	9.9	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	93		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-15 D
Client ID: MW0911-02-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 12:50
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/09/22 17:20
Analyst: MKS

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	120		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	6.8	J	ug/l	20	6.4	40
Toluene	3400		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	990		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	40	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
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-15 D
Client ID: MW0911-02-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 12:50
Date Received: 06/28/22
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	35	J	ug/l	100	28.	40
o-Xylene	ND		ug/l	100	28.	40
cis-1,2-Dichloroethene	1100		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	96		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	115		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-16
Client ID: IW-1-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 09:25
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/09/22 17:45
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	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	7.6		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	2.4		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: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-16
Client ID: IW-1-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 09:25
Date Received: 06/28/22
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	1.6	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	19		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	84		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	99		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-17
Client ID: IW-2-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 09:30
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/10/22 16:03
Analyst: MV

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	0.60		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	35		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: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-17
Client ID: IW-2-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 09:30
Date Received: 06/28/22
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	3.6		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	1.6	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	116		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	91		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-18
Client ID: TRIP BLANK-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 00:00
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/10/22 15:40
Analyst: MV

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: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-18
Client ID: TRIP BLANK-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 00:00
Date Received: 06/28/22
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	103		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	92		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 117,-
Analytical Date: 06/30/22 09:37
Analyst: BB

Parameter	Result	Qualifier	Units	RL	MDL
Dissolved Gases by GC - Mansfield Lab for sample(s): 02 Batch: WG1657576-3					
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: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 117,-
Analytical Date: 07/01/22 09:00
Analyst: JT

Parameter	Result	Qualifier	Units	RL	MDL
Dissolved Gases by GC - Mansfield Lab for sample(s): 01,03,09-11 Batch: WG1657955-3					
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: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/10/22 15:17
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17-18 Batch: WG1661115-5					
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: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/10/22 15:17
 Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17-18 Batch: WG1661115-5					
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: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/10/22 15:17
 Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17-18 Batch: WG1661115-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	94		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/08/22 09:22
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1661302-5					
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: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/08/22 09:22
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1661302-5					
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: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/08/22 09:22
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1661302-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	105		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/09/22 10:39
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-06,10,12,15-16 Batch: WG1661364-5					
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: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/09/22 10:39
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-06,10,12,15-16 Batch: WG1661364-5					
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: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/09/22 10:39
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-06,10,12,15-16 Batch: WG1661364-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	126		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/12/22 11:18
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG1661851-5					
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: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/12/22 11:18
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG1661851-5					
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: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/12/22 11:18
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG1661851-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	108		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/11/22 12:14
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-09,13-14 Batch: WG1661923-5					
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: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/11/22 12:14
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-09,13-14 Batch: WG1661923-5					
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: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/11/22 12:14
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-09,13-14 Batch: WG1661923-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	92		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Dissolved Gases by GC - Mansfield Lab Associated sample(s): 02 Batch: WG1657576-2									
Methane	112		-		80-120	-		25	A
Ethene	105		-		80-120	-		25	A
Ethane	104		-		80-120	-		25	A

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

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: WG1657955-2									
Methane	94		-		80-120	-		25	A
Ethene	88		-		80-120	-		25	A
Ethane	87		-		80-120	-		25	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17-18 Batch: WG1661115-3 WG1661115-4								
Methylene chloride	98		97		70-130	1		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		98		63-132	2		20
1,2-Dichloropropane	110		100		70-130	10		20
Dibromochloromethane	83		84		63-130	1		20
1,1,2-Trichloroethane	100		96		70-130	4		20
Tetrachloroethene	96		92		70-130	4		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	100		98		62-150	2		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	100		95		70-130	5		20
cis-1,3-Dichloropropene	100		98		70-130	2		20
Bromoform	72		82		54-136	13		20
1,1,2,2-Tetrachloroethane	88		100		67-130	13		20
Benzene	100		100		70-130	0		20
Toluene	110		100		70-130	10		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	67		67		39-139	0		20
Vinyl chloride	120		120		55-140	0		20

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17-18 Batch: WG1661115-3 WG1661115-4								
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	140		140		61-145	0		20
trans-1,2-Dichloroethene	94		93		70-130	1		20
Trichloroethene	94		91		70-130	3		20
1,2-Dichlorobenzene	100		93		70-130	7		20
1,3-Dichlorobenzene	100		99		70-130	1		20
1,4-Dichlorobenzene	99		100		70-130	1		20
Methyl tert butyl ether	97		97		63-130	0		20
p/m-Xylene	110		105		70-130	5		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	97		96		70-130	1		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	120		120		36-147	0		20
Acetone	80		81		58-148	1		20
Carbon disulfide	130		130		51-130	0		20
2-Butanone	86		86		63-138	0		20
4-Methyl-2-pentanone	84		78		59-130	7		20
2-Hexanone	84		76		57-130	10		20
Bromochloromethane	92		92		70-130	0		20
1,2-Dibromoethane	99		94		70-130	5		20
1,2-Dibromo-3-chloropropane	85		75		41-144	13		20
Isopropylbenzene	94		110		70-130	16		20
1,2,3-Trichlorobenzene	89		72		70-130	21	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17-18 Batch: WG1661115-3 WG1661115-4								
1,2,4-Trichlorobenzene	94		78		70-130	19		20
Methyl Acetate	98		95		70-130	3		20
Cyclohexane	120		120		70-130	0		20
1,4-Dioxane	80		74		56-162	8		20
Freon-113	120		120		70-130	0		20
Methyl cyclohexane	110		110		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		104		70-130
Toluene-d8	109		110		70-130
4-Bromofluorobenzene	92		128		70-130
Dibromofluoromethane	93		95		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1661302-3 WG1661302-4								
Methylene chloride	91		91		70-130	0		20
1,1-Dichloroethane	99		100		70-130	1		20
Chloroform	94		98		70-130	4		20
Carbon tetrachloride	100		98		63-132	2		20
1,2-Dichloropropane	89		90		70-130	1		20
Dibromochloromethane	92		92		63-130	0		20
1,1,2-Trichloroethane	93		94		70-130	1		20
Tetrachloroethene	98		98		70-130	0		20
Chlorobenzene	90		90		75-130	0		20
Trichlorofluoromethane	110		100		62-150	10		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	99		98		67-130	1		20
Bromodichloromethane	98		95		67-130	3		20
trans-1,3-Dichloropropene	91		91		70-130	0		20
cis-1,3-Dichloropropene	94		94		70-130	0		20
Bromoform	89		92		54-136	3		20
1,1,2,2-Tetrachloroethane	100		98		67-130	2		20
Benzene	93		94		70-130	1		20
Toluene	90		90		70-130	0		20
Ethylbenzene	88		88		70-130	0		20
Chloromethane	88		85		64-130	3		20
Bromomethane	61		61		39-139	0		20
Vinyl chloride	91		91		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1661302-3 WG1661302-4								
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	96		93		61-145	3		20
trans-1,2-Dichloroethene	96		95		70-130	1		20
Trichloroethene	82		82		70-130	0		20
1,2-Dichlorobenzene	92		91		70-130	1		20
1,3-Dichlorobenzene	89		89		70-130	0		20
1,4-Dichlorobenzene	92		92		70-130	0		20
Methyl tert butyl ether	88		89		63-130	1		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	96		92		70-130	4		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	83		85		36-147	2		20
Acetone	90		93		58-148	3		20
Carbon disulfide	92		91		51-130	1		20
2-Butanone	91		87		63-138	4		20
4-Methyl-2-pentanone	87		84		59-130	4		20
2-Hexanone	87		88		57-130	1		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	94		95		70-130	1		20
1,2-Dibromo-3-chloropropane	88		84		41-144	5		20
Isopropylbenzene	86		85		70-130	1		20
1,2,3-Trichlorobenzene	85		81		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1661302-3 WG1661302-4								
1,2,4-Trichlorobenzene	84		85		70-130	1		20
Methyl Acetate	99		97		70-130	2		20
Cyclohexane	100		98		70-130	2		20
1,4-Dioxane	114		100		56-162	13		20
Freon-113	110		100		70-130	10		20
Methyl cyclohexane	90		89		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		107		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	95		93		70-130
Dibromofluoromethane	105		104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06,10,12,15-16 Batch: WG1661364-3 WG1661364-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	120		120		63-132	0		20
1,2-Dichloropropane	100		99		70-130	1		20
Dibromochloromethane	99		98		63-130	1		20
1,1,2-Trichloroethane	88		89		70-130	1		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	100		97		70-130	3		20
1,1,1-Trichloroethane	120		120		67-130	0		20
Bromodichloromethane	110		100		67-130	10		20
trans-1,3-Dichloropropene	88		86		70-130	2		20
cis-1,3-Dichloropropene	110		110		70-130	0		20
Bromoform	89		95		54-136	7		20
1,1,2,2-Tetrachloroethane	98		100		67-130	2		20
Benzene	110		110		70-130	0		20
Toluene	96		98		70-130	2		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	100		95		64-130	5		20
Bromomethane	83		82		39-139	1		20
Vinyl chloride	90		85		55-140	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06,10,12,15-16 Batch: WG1661364-3 WG1661364-4								
Chloroethane	90		87		55-138	3		20
1,1-Dichloroethene	120		120		61-145	0		20
trans-1,2-Dichloroethene	120		120		70-130	0		20
Trichloroethene	91		91		70-130	0		20
1,2-Dichlorobenzene	97		100		70-130	3		20
1,3-Dichlorobenzene	98		100		70-130	2		20
1,4-Dichlorobenzene	99		100		70-130	1		20
Methyl tert butyl ether	91		89		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	120		110		70-130	9		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	100		98		36-147	2		20
Acetone	82		75		58-148	9		20
Carbon disulfide	120		110		51-130	9		20
2-Butanone	79		78		63-138	1		20
4-Methyl-2-pentanone	66		69		59-130	4		20
2-Hexanone	62		61		57-130	2		20
Bromochloromethane	130		130		70-130	0		20
1,2-Dibromoethane	94		95		70-130	1		20
1,2-Dibromo-3-chloropropane	91		94		41-144	3		20
Isopropylbenzene	90		94		70-130	4		20
1,2,3-Trichlorobenzene	97		100		70-130	3		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06,10,12,15-16 Batch: WG1661364-3 WG1661364-4								
1,2,4-Trichlorobenzene	96		100		70-130	4		20
Methyl Acetate	100		91		70-130	9		20
Cyclohexane	100		100		70-130	0		20
1,4-Dioxane	114		106		56-162	7		20
Freon-113	130		120		70-130	8		20
Methyl cyclohexane	99		100		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		89		70-130
Toluene-d8	92		91		70-130
4-Bromofluorobenzene	86		85		70-130
Dibromofluoromethane	112		107		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG1661851-3 WG1661851-4								
Methylene chloride	94		95		70-130	1		20
1,1-Dichloroethane	98		100		70-130	2		20
Chloroform	98		96		70-130	2		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	88		89		70-130	1		20
Dibromochloromethane	90		90		63-130	0		20
1,1,2-Trichloroethane	95		95		70-130	0		20
Tetrachloroethene	97		97		70-130	0		20
Chlorobenzene	90		90		75-130	0		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	98		96		67-130	2		20
trans-1,3-Dichloropropene	92		92		70-130	0		20
cis-1,3-Dichloropropene	96		95		70-130	1		20
Bromoform	88		91		54-136	3		20
1,1,2,2-Tetrachloroethane	100		98		67-130	2		20
Benzene	93		95		70-130	2		20
Toluene	91		91		70-130	0		20
Ethylbenzene	88		89		70-130	1		20
Chloromethane	96		98		64-130	2		20
Bromomethane	52		50		39-139	4		20
Vinyl chloride	95		97		55-140	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG1661851-3 WG1661851-4								
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	96		98		61-145	2		20
trans-1,2-Dichloroethene	100		98		70-130	2		20
Trichloroethene	83		84		70-130	1		20
1,2-Dichlorobenzene	92		90		70-130	2		20
1,3-Dichlorobenzene	89		88		70-130	1		20
1,4-Dichlorobenzene	90		92		70-130	2		20
Methyl tert butyl ether	98		96		63-130	2		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	93		98		70-130	5		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	93		92		58-148	1		20
Carbon disulfide	98		98		51-130	0		20
2-Butanone	93		94		63-138	1		20
4-Methyl-2-pentanone	87		89		59-130	2		20
2-Hexanone	89		92		57-130	3		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	95		93		70-130	2		20
1,2-Dibromo-3-chloropropane	88		94		41-144	7		20
Isopropylbenzene	83		86		70-130	4		20
1,2,3-Trichlorobenzene	85		85		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG1661851-3 WG1661851-4								
1,2,4-Trichlorobenzene	85		81		70-130	5		20
Methyl Acetate	100		100		70-130	0		20
Cyclohexane	100		100		70-130	0		20
1,4-Dioxane	102		104		56-162	2		20
Freon-113	110		100		70-130	10		20
Methyl cyclohexane	93		95		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		106		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	104		104		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-09,13-14 Batch: WG1661923-3 WG1661923-4								
Methylene chloride	97		96		70-130	1		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	97		97		70-130	0		20
Carbon tetrachloride	94		93		63-132	1		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	81		82		63-130	1		20
1,1,2-Trichloroethane	90		90		70-130	0		20
Tetrachloroethene	88		89		70-130	1		20
Chlorobenzene	98		98		75-130	0		20
Trichlorofluoromethane	91		90		62-150	1		20
1,2-Dichloroethane	88		89		70-130	1		20
1,1,1-Trichloroethane	97		95		67-130	2		20
Bromodichloromethane	91		93		67-130	2		20
trans-1,3-Dichloropropene	86		87		70-130	1		20
cis-1,3-Dichloropropene	88		88		70-130	0		20
Bromoform	72		73		54-136	1		20
1,1,2,2-Tetrachloroethane	91		91		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	110		110		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	95		97		64-130	2		20
Bromomethane	51		54		39-139	6		20
Vinyl chloride	110		110		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-09,13-14 Batch: WG1661923-3 WG1661923-4								
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	95		95		61-145	0		20
trans-1,2-Dichloroethene	99		98		70-130	1		20
Trichloroethene	97		95		70-130	2		20
1,2-Dichlorobenzene	94		95		70-130	1		20
1,3-Dichlorobenzene	98		98		70-130	0		20
1,4-Dichlorobenzene	97		96		70-130	1		20
Methyl tert butyl ether	84		84		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	98		98		70-130	0		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	87		85		36-147	2		20
Acetone	68		72		58-148	6		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	72		70		63-138	3		20
4-Methyl-2-pentanone	75		77		59-130	3		20
2-Hexanone	79		79		57-130	0		20
Bromochloromethane	81		83		70-130	2		20
1,2-Dibromoethane	79		80		70-130	1		20
1,2-Dibromo-3-chloropropane	63		67		41-144	6		20
Isopropylbenzene	110		110		70-130	0		20
1,2,3-Trichlorobenzene	79		82		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-09,13-14 Batch: WG1661923-3 WG1661923-4								
1,2,4-Trichlorobenzene	83		85		70-130	2		20
Methyl Acetate	80		81		70-130	1		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	66		60		56-162	10		20
Freon-113	94		92		70-130	2		20
Methyl cyclohexane	94		90		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		86		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	114		114		70-130
Dibromofluoromethane	93		92		70-130

METALS

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-01
Client ID: MW0610-4-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 10:40
Date Received: 06/28/22
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	6.16		mg/l	0.0500	0.0191	1	07/01/22 19:50	07/14/22 20:37	EPA 3005A	1,6020B	WP
Magnesium, Total	38.5		mg/l	0.0700	0.0242	1	07/01/22 19:50	07/14/22 20:37	EPA 3005A	1,6020B	WP
Manganese, Total	0.5624		mg/l	0.00100	0.00044	1	07/01/22 19:50	07/14/22 20:37	EPA 3005A	1,6020B	WP
Total Hardness (by calculation) - Mansfield Lab											
Hardness	573.5		mg/l	0.5400	NA	1	07/01/22 19:50	07/14/22 20:37	EPA 3005A	1,6020B	WP



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-02
 Client ID: MW0610-5-062822
 Sample Location: PALMYRA NY

Date Collected: 06/28/22 10:15
 Date Received: 06/28/22
 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	9.01		mg/l	0.0500	0.0191	1	07/01/22 19:50	07/14/22 20:42	EPA 3005A	1,6020B	WP
Magnesium, Total	58.4		mg/l	0.0700	0.0242	1	07/01/22 19:50	07/14/22 20:42	EPA 3005A	1,6020B	WP
Manganese, Total	0.3698		mg/l	0.00100	0.00044	1	07/01/22 19:50	07/14/22 20:42	EPA 3005A	1,6020B	WP
Total Hardness (by calculation) - Mansfield Lab											
Hardness	1091.		mg/l	0.5400	NA	1	07/01/22 19:50	07/14/22 20:42	EPA 3005A	1,6020B	WP



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-03
Client ID: MW0811-02-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 10:00
Date Received: 06/28/22
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	6.02		mg/l	0.0500	0.0191	1	07/01/22 19:50	07/14/22 21:25	EPA 3005A	1,6020B	WP
Magnesium, Total	27.9		mg/l	0.0700	0.0242	1	07/01/22 19:50	07/14/22 21:25	EPA 3005A	1,6020B	WP
Manganese, Total	0.4745		mg/l	0.00100	0.00044	1	07/01/22 19:50	07/14/22 21:25	EPA 3005A	1,6020B	WP
Total Hardness (by calculation) - Mansfield Lab											
Hardness	429.5		mg/l	0.5400	NA	1	07/01/22 19:50	07/14/22 21:25	EPA 3005A	1,6020B	WP



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-09
 Client ID: MW0610-1-062822
 Sample Location: PALMYRA NY

Date Collected: 06/28/22 14:15
 Date Received: 06/28/22
 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	42.3		mg/l	0.0500	0.0191	1	07/05/22 11:37	07/14/22 19:39	EPA 3005A	1,6020B	SV
Magnesium, Total	213.		mg/l	0.0700	0.0242	1	07/05/22 11:37	07/14/22 19:39	EPA 3005A	1,6020B	SV
Manganese, Total	1.752		mg/l	0.00100	0.00044	1	07/05/22 11:37	07/14/22 19:39	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	2078.		mg/l	0.5400	NA	1	07/05/22 11:37	07/14/22 19:39	EPA 3005A	1,6020B	SV



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-10
Client ID: MW0811-01-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 13:55
Date Received: 06/28/22
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	27.5		mg/l	0.0500	0.0191	1	07/05/22 11:37	07/14/22 20:08	EPA 3005A	1,6020B	SV
Magnesium, Total	165.		mg/l	0.700	0.242	10	07/05/22 11:37	07/14/22 20:21	EPA 3005A	1,6020B	SV
Manganese, Total	1.145		mg/l	0.00100	0.00044	1	07/05/22 11:37	07/14/22 20:08	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	2336.		mg/l	5.400	NA	10	07/05/22 11:37	07/14/22 20:21	EPA 3005A	1,6020B	SV



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-11
 Client ID: MW-63-062822
 Sample Location: PALMYRA NY

Date Collected: 06/28/22 14:35
 Date Received: 06/28/22
 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	8.26		mg/l	0.0500	0.0191	1	07/05/22 11:37	07/14/22 20:13	EPA 3005A	1,6020B	SV
Magnesium, Total	164.		mg/l	0.700	0.242	10	07/05/22 11:37	07/14/22 20:26	EPA 3005A	1,6020B	SV
Manganese, Total	1.015		mg/l	0.00100	0.00044	1	07/05/22 11:37	07/14/22 20:13	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	2487.		mg/l	5.400	NA	10	07/05/22 11:37	07/14/22 20:26	EPA 3005A	1,6020B	SV



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

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): 09-11 Batch: WG1658071-1										
Iron, Total	ND		mg/l	0.0500	0.0191	1	07/05/22 11:37	07/14/22 17:42	1,6020B	SV
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	07/05/22 11:37	07/14/22 17:42	1,6020B	SV
Manganese, Total	ND		mg/l	0.00100	0.00044	1	07/05/22 11:37	07/14/22 17:42	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): 09-11 Batch: WG1658071-1										
Hardness	ND		mg/l	0.5400	NA	1	07/05/22 11:37	07/14/22 17:42	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 Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1658192-1										
Iron, Total	ND		mg/l	0.0500	0.0191	1	07/01/22 19:50	07/14/22 19:58	1,6020B	WP
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	07/01/22 19:50	07/14/22 19:58	1,6020B	WP
Manganese, Total	ND		mg/l	0.00100	0.00044	1	07/01/22 19:50	07/14/22 19:58	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 Batch: WG1658192-1										
Hardness	ND		mg/l	0.5400	NA	1	07/01/22 19:50	07/14/22 19:58	1,6020B	WP



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09-11 Batch: WG1658071-2								
Iron, Total	102		-		80-120	-		
Magnesium, Total	110		-		80-120	-		
Manganese, Total	102		-		80-120	-		
Total Hardness (by calculation) - Mansfield Lab Associated sample(s): 09-11 Batch: WG1658071-2								
Hardness	104		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1658192-2								
Iron, Total	100		-		80-120	-		
Magnesium, Total	104		-		80-120	-		
Manganese, Total	101		-		80-120	-		
Total Hardness (by calculation) - Mansfield Lab Associated sample(s): 01-03 Batch: WG1658192-2								
Hardness	102		-		80-120	-		

Matrix Spike Analysis **Batch Quality Control**

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

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): 09-11 QC Batch ID: WG1658071-3 WG1658071-4 QC Sample: L2234350-01 Client ID: MS Sample												
Iron, Total	11.2	1	12.2	100		13.0	180	Q	75-125	6		20
Magnesium, Total	3.17	10	13.6	104		14.3	111		75-125	5		20
Manganese, Total	1.203	0.5	1.691	98		1.758	111		75-125	4		20
Total Hardness (by calculation) - Mansfield Lab Associated sample(s): 09-11 QC Batch ID: WG1658071-3 WG1658071-4 QC Sample: L2234350-01 Client ID: MS Sample												
Hardness	68.06	66.2	131.3	96		137.1	104		75-125	4		20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1658192-3 QC Sample: L2234078-01 Client ID: MS Sample												
Iron, Total	9.23	1	10.4	117		-	-		75-125	-		20
Magnesium, Total	4.09	10	14.7	106		-	-		75-125	-		20
Manganese, Total	1.108	0.5	1.635	105		-	-		75-125	-		20
Total Hardness (by calculation) - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1658192-3 QC Sample: L2234078-01 Client ID: MS Sample												
Hardness	69.21	66.2	140.8	108		-	-		75-125	-		20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1658192-4 QC Sample: L2234078-01 Client ID: DUP Sample						
Iron, Total	9.23	9.17	mg/l	1		20
Manganese, Total	1.108	1.114	mg/l	1		20
Total Hardness (by calculation) - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1658192-4 QC Sample: L2234078-01 Client ID: DUP Sample						
Hardness	69.21	69.28	mg/l	0		20

Project Name: GARLOCK
Project Number: 12578577-2201

**Lab Serial Dilution
Analysis
Batch Quality Control**

Lab Number: L2234416
Report Date: 07/20/22

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09-11 QC Batch ID: WG1658071-6 QC Sample: L2234350-01 Client ID: DUP Sample						
Iron, Total	11.2	11.2	mg/l	0		20
Manganese, Total	1.203	1.182	mg/l	2		20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1658192-6 QC Sample: L2234078-01 Client ID: DUP Sample						
Iron, Total	9.23	9.90	mg/l	7		20
Manganese, Total	1.108	1.185	mg/l	7		20
Total Hardness (by calculation) - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1658192-6 QC Sample: L2234078-01 Client ID: DUP Sample						
Hardness	69.21	75.16	mg/l	9		20

INORGANICS & MISCELLANEOUS

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-01
Client ID: MW0610-4-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 10:40
Date Received: 06/28/22
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	399.		mg CaCO3/L	2.00	NA	1	-	07/09/22 06:17	121,2320B	MR
Nitrogen, Nitrate	0.027	J	mg/l	0.10	0.023	1	-	06/30/22 04:35	44,353.2	KA
Chemical Oxygen Demand	75.		mg/l	10	2.7	1	07/13/22 09:10	07/13/22 12:46	44,410.4	SD
BOD, 5 day	ND		mg/l	4.0	NA	2	06/30/22 09:29	07/05/22 09:55	121,5210B	MT
Total Organic Carbon	2.79		mg/l	1.00	0.194	2	-	07/18/22 05:18	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	1560		mg/l	50.0	8.39	100	-	07/15/22 21:24	44,300.0	SH
Sulfate	127.		mg/l	100	45.4	100	-	07/15/22 21:24	44,300.0	SH



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-02
Client ID: MW0610-5-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 10:15
Date Received: 06/28/22
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	511.		mg CaCO3/L	2.00	NA	1	-	07/09/22 06:17	121,2320B	MR
Nitrogen, Nitrate	0.038	J	mg/l	0.10	0.023	1	-	06/30/22 04:52	44,353.2	KA
Chemical Oxygen Demand	98.		mg/l	10	2.7	1	07/13/22 09:10	07/13/22 12:47	44,410.4	SD
BOD, 5 day	30.		mg/l	10	NA	5	06/30/22 15:00	07/05/22 12:45	121,5210B	MT
Total Organic Carbon	4.24		mg/l	1.00	0.194	2	-	07/18/22 05:40	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	956.		mg/l	25.0	4.20	50	-	07/15/22 21:13	44,300.0	SH
Sulfate	405.		mg/l	50.0	22.7	50	-	07/15/22 21:13	44,300.0	SH



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-03
Client ID: MW0811-02-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 10:00
Date Received: 06/28/22
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	490.		mg CaCO3/L	2.00	NA	1	-	07/09/22 06:17	121,2320B	MR
Nitrogen, Nitrate	0.14		mg/l	0.10	0.023	1	-	06/30/22 04:54	44,353.2	KA
Chemical Oxygen Demand	190		mg/l	20	5.4	2	07/13/22 09:10	07/13/22 12:47	44,410.4	SD
BOD, 5 day	ND		mg/l	4.0	NA	2	06/30/22 09:29	07/05/22 09:55	121,5210B	MT
Total Organic Carbon	2.33		mg/l	1.00	0.194	2	-	07/18/22 06:02	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	1860		mg/l	50.0	8.39	100	-	07/15/22 21:35	44,300.0	SH
Sulfate	112.		mg/l	100	45.4	100	-	07/18/22 19:17	44,300.0	SH



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-04
Client ID: OW-1-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 11:40
Date Received: 06/28/22
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	15.		mg/l	10	2.7	1	07/13/22 09:10	07/13/22 12:47	44,410.4	SD
Total Organic Carbon	0.837		mg/l	0.500	0.097	1	-	07/18/22 06:19	121,5310C	DW



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-05
Client ID: OW-2/MW-41-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 11:55
Date Received: 06/28/22
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	54.		mg/l	10	2.7	1	07/13/22 09:10	07/13/22 12:47	44,410.4	SD
Total Organic Carbon	3.07		mg/l	0.500	0.097	1	-	07/18/22 06:38	121,5310C	DW



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-06
Client ID: OW-3/AOC-2-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 11:35
Date Received: 06/28/22
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	22.		mg/l	10	2.7	1	07/13/22 09:10	07/13/22 12:48	44,410.4	SD
Total Organic Carbon	3.45		mg/l	0.500	0.097	1	-	07/18/22 06:58	121,5310C	DW



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-07
Client ID: OW-4/MW-28-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 12:10
Date Received: 06/28/22
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	07/13/22 09:10	07/13/22 12:48	44,410.4	SD
Total Organic Carbon	0.749		mg/l	0.500	0.097	1	-	07/18/22 07:19	121,5310C	DW



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-08
Client ID: OW-5-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 12:20
Date Received: 06/28/22
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	29.		mg/l	10	2.7	1	07/13/22 09:10	07/13/22 12:48	44,410.4	SD
Total Organic Carbon	0.742		mg/l	0.500	0.097	1	-	07/18/22 07:41	121,5310C	DW



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-09
Client ID: MW0610-1-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 14:15
Date Received: 06/28/22
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	334.		mg CaCO3/L	2.00	NA	1	-	07/09/22 06:17	121,2320B	MR
Nitrogen, Nitrate	0.058	J	mg/l	0.10	0.023	1	-	06/30/22 04:55	44,353.2	KA
Chemical Oxygen Demand	85.		mg/l	20	5.4	2	07/13/22 09:10	07/13/22 12:49	44,410.4	SD
BOD, 5 day	ND		mg/l	10	NA	5	06/30/22 11:10	07/05/22 09:55	121,5210B	MT
Total Organic Carbon	0.694	J	mg/l	1.00	0.194	2	-	07/18/22 08:58	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	2830		mg/l	50.0	8.39	100	-	07/15/22 21:46	44,300.0	SH
Sulfate	146.		mg/l	100	45.4	100	-	07/15/22 21:46	44,300.0	SH



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-10
Client ID: MW0811-01-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 13:55
Date Received: 06/28/22
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	368.		mg CaCO3/L	2.00	NA	1	-	07/09/22 06:17	121,2320B	MR
Nitrogen, Nitrate	0.087	J	mg/l	0.10	0.023	1	-	06/30/22 04:56	44,353.2	KA
Chemical Oxygen Demand	110		mg/l	20	5.4	2	07/14/22 09:00	07/14/22 14:33	44,410.4	SD
BOD, 5 day	7.3		mg/l	4.0	NA	2	06/30/22 11:10	07/05/22 09:55	121,5210B	MT
Total Organic Carbon	2.57		mg/l	1.00	0.194	2	-	07/18/22 09:19	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	1150		mg/l	50.0	8.39	100	-	07/15/22 22:19	44,300.0	SH
Sulfate	604.		mg/l	100	45.4	100	-	07/15/22 22:19	44,300.0	SH



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

SAMPLE RESULTS

Lab ID: L2234416-11
Client ID: MW-63-062822
Sample Location: PALMYRA NY

Date Collected: 06/28/22 14:35
Date Received: 06/28/22
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	350.		mg CaCO3/L	2.00	NA	1	-	07/09/22 06:17	121,2320B	MR
Nitrogen, Nitrate	0.086	J	mg/l	0.10	0.023	1	-	06/30/22 04:58	44,353.2	KA
Chemical Oxygen Demand	75.		mg/l	10	2.7	1	07/14/22 09:00	07/14/22 14:35	44,410.4	SD
BOD, 5 day	ND		mg/l	4.0	NA	2	06/30/22 11:10	07/05/22 09:55	121,5210B	MT
Total Organic Carbon	0.490	J	mg/l	0.500	0.097	1	-	07/18/22 09:43	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	3210		mg/l	50.0	8.39	100	-	07/15/22 22:30	44,300.0	SH
Sulfate	673.		mg/l	100	45.4	100	-	07/15/22 22:30	44,300.0	SH



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

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: WG1657166-1										
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	06/30/22 05:27	44,353.2	KA
General Chemistry - Westborough Lab for sample(s): 01,03 Batch: WG1657524-1										
BOD, 5 day	ND		mg/l	2.0	NA	1	06/30/22 09:29	07/05/22 09:55	121,5210B	MT
General Chemistry - Westborough Lab for sample(s): 09-11 Batch: WG1657525-1										
BOD, 5 day	ND		mg/l	2.0	NA	1	06/30/22 11:10	07/05/22 09:55	121,5210B	MT
General Chemistry - Westborough Lab for sample(s): 02 Batch: WG1657597-1										
BOD, 5 day	ND		mg/l	2.0	NA	1	06/30/22 15:00	07/05/22 12:45	121,5210B	MT
General Chemistry - Westborough Lab for sample(s): 01-03,09-11 Batch: WG1660652-1										
Alkalinity, Total	ND		mg CaCO3/L	2.00	NA	1	-	07/09/22 06:17	121,2320B	MR
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG1662227-1										
Chemical Oxygen Demand	ND		mg/l	10	2.7	1	07/13/22 09:10	07/13/22 12:44	44,410.4	SD
General Chemistry - Westborough Lab for sample(s): 10-11 Batch: WG1662757-1										
Chemical Oxygen Demand	ND		mg/l	10	2.7	1	07/14/22 09:00	07/14/22 14:31	44,410.4	SD
Anions by Ion Chromatography - Westborough Lab for sample(s): 01-03,09-11 Batch: WG1663556-1										
Chloride	ND		mg/l	0.500	0.083	1	-	07/15/22 15:30	44,300.0	SH
Sulfate	ND		mg/l	1.00	0.454	1	-	07/15/22 15:30	44,300.0	SH
General Chemistry - Westborough Lab for sample(s): 01-11 Batch: WG1663961-1										
Total Organic Carbon	ND		mg/l	0.500	0.097	1	-	07/18/22 04:25	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab for sample(s): 03 Batch: WG1664420-1										
Sulfate	ND		mg/l	1.00	0.454	1	-	07/18/22 17:53	44,300.0	SH
Anions by Ion Chromatography - Westborough Lab for sample(s): 03 Batch: WG1664420-1										
Chloride	ND		mg/l	0.500	0.083	1	-	07/18/22 17:53	44,300.0	SH

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

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: WG1657166-2								
Nitrogen, Nitrate	98		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01,03 Batch: WG1657524-2								
BOD, 5 day	94		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 09-11 Batch: WG1657525-2								
BOD, 5 day	94		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 02 Batch: WG1657597-2								
BOD, 5 day	90		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03,09-11 Batch: WG1660652-2								
Alkalinity, Total	109		-		90-110	-		10
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG1662227-2								
Chemical Oxygen Demand	104		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 10-11 Batch: WG1662757-2								
Chemical Oxygen Demand	104		-		90-110	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-03,09-11 Batch: WG1663556-2					
Chloride	97	-	90-110	-	
Sulfate	98	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 01-11 Batch: WG1663961-2					
Total Organic Carbon	100	-	90-110	-	
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 03 Batch: WG1664420-2					
Chloride	93	-	90-110	-	
Sulfate	92	-	90-110	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

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: WG1657166-4 QC Sample: L2234416-01 Client ID: MW0610-4-062822												
Nitrogen, Nitrate	0.027J	4	4.1	102		-	-		83-113	-		6
General Chemistry - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG1657524-4 QC Sample: L2234626-02 Client ID: MS Sample												
BOD, 5 day	20.	100	120	96		-	-		50-145	-		35
General Chemistry - Westborough Lab Associated sample(s): 09-11 QC Batch ID: WG1657525-4 QC Sample: L2200038-38 Client ID: MS Sample												
BOD, 5 day	20.	100	120	96		-	-		50-145	-		35
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG1657597-4 QC Sample: L2234528-01 Client ID: MS Sample												
BOD, 5 day	ND	100	92	92		-	-		50-145	-		35
General Chemistry - Westborough Lab Associated sample(s): 01-03,09-11 QC Batch ID: WG1660652-4 QC Sample: L2235143-01 Client ID: MS Sample												
Alkalinity, Total	ND	100	114	114		-	-		86-116	-		10
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1662227-3 QC Sample: L2236931-01 Client ID: MS Sample												
Chemical Oxygen Demand	530	47.6	600	153	Q	-	-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 10-11 QC Batch ID: WG1662757-3 QC Sample: L2234416-10 Client ID: MW0811-01-062822												
Chemical Oxygen Demand	110	95.2	210	104		-	-		90-110	-		20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-03,09-11 QC Batch ID: WG1663556-3 QC Sample: L2234416-02 Client ID: MW0610-5-062822												
Chloride	956.	400	1360	101		-	-		90-110	-		18
Sulfate	405.	800	1170	96		-	-		90-110	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

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): 01-11 QC Batch ID: WG1663961-4 QC Sample: L2234416-01 Client ID: MW0610-4-062822									
Total Organic Carbon	2.79	16	20.4	110	-	-	80-120	-	20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1664420-3 WG1664420-4 QC Sample: L2234757-23 Client ID: MS Sample									
Chloride	34.5	4	34.9	10	Q	34.9	10	Q	90-110 0 18
Sulfate	8.04	8	15.6	94	15.5	93	90-110	1	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,09-11 QC Batch ID: WG1657166-3 QC Sample: L2234416-01 Client ID: MW0610-4-062822						
Nitrogen, Nitrate	0.027J	ND	mg/l	NC		6
General Chemistry - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG1657524-3 QC Sample: L2234626-02 Client ID: DUP Sample						
BOD, 5 day	20.	19	mg/l	5		35
General Chemistry - Westborough Lab Associated sample(s): 09-11 QC Batch ID: WG1657525-3 QC Sample: L2200038-38 Client ID: DUP Sample						
BOD, 5 day	20.	19	mg/l	5		35
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG1657597-3 QC Sample: L2234528-01 Client ID: DUP Sample						
BOD, 5 day	ND	ND	mg/l	NC		35
General Chemistry - Westborough Lab Associated sample(s): 01-03,09-11 QC Batch ID: WG1660652-3 QC Sample: L2235143-01 Client ID: DUP Sample						
Alkalinity, Total	ND	ND	mg CaCO3/L	NC		10
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1662227-4 QC Sample: L2236931-01 Client ID: DUP Sample						
Chemical Oxygen Demand	530	500	mg/l	6		20
General Chemistry - Westborough Lab Associated sample(s): 10-11 QC Batch ID: WG1662757-4 QC Sample: L2234416-10 Client ID: MW0811-01-062822						
Chemical Oxygen Demand	110	120	mg/l	9		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-03,09-11 QC Batch ID: WG1663556-4 QC Sample: L2234416-02 Client ID: MW0610-5-062822					
Chloride	956.	955	mg/l	0	18
Sulfate	405.	408	mg/l	1	20
General Chemistry - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG1663961-3 QC Sample: L2234416-01 Client ID: MW0610-4-062822					
Total Organic Carbon	2.79	4.32	mg/l	43	Q 20

Project Name: GARLOCK
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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(*)
L2234416-01A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-01B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-01C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-01D	20ml Vial HCl preserved	A	NA		5.7	Y	Absent		DISSGAS(14)
L2234416-01E	20ml Vial HCl preserved	A	NA		5.7	Y	Absent		DISSGAS(14)
L2234416-01F	Vial H2SO4 preserved	A	NA		5.7	Y	Absent		TOC-5310(28)
L2234416-01G	Vial H2SO4 preserved	A	NA		5.7	Y	Absent		TOC-5310(28)
L2234416-01H	Plastic 250ml unpreserved/No Headspace	B	NA		3.7	Y	Absent		ALK-T-2320(14)
L2234416-01I	Plastic 250ml HNO3 preserved	B	7	<2	3.7	N	Absent		FE-6020T(180),MN-6020T(180),MG-6020T(180),HARDT-6020(180)
L2234416-01J	Plastic 250ml H2SO4 preserved	B	<2	<2	3.7	Y	Absent		COD-410-LOW(28)
L2234416-01K	Plastic 950ml unpreserved	B	7	7	3.7	Y	Absent		SO4-300(28),CL-300(28),NO3-353(2),BOD-5210(2)
L2234416-02A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-02B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-02C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-02D	20ml Vial HCl preserved	A	NA		5.7	Y	Absent		DISSGAS(14)
L2234416-02E	20ml Vial HCl preserved	A	NA		5.7	Y	Absent		DISSGAS(14)
L2234416-02F	Vial H2SO4 preserved	A	NA		5.7	Y	Absent		TOC-5310(28)
L2234416-02G	Vial H2SO4 preserved	A	NA		5.7	Y	Absent		TOC-5310(28)
L2234416-02H	Plastic 250ml unpreserved/No Headspace	B	NA		3.7	Y	Absent		ALK-T-2320(14)
L2234416-02I	Plastic 250ml HNO3 preserved	B	7	<2	3.7	N	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)
L2234416-02J	Plastic 250ml H2SO4 preserved	B	<2	<2	3.7	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(*)
L2234416-02K	Plastic 950ml unpreserved	B	7	7	3.7	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2234416-03A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-03B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-03C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-03D	20ml Vial HCl preserved	A	NA		5.7	Y	Absent		DISSGAS(14)
L2234416-03E	20ml Vial HCl preserved	A	NA		5.7	Y	Absent		DISSGAS(14)
L2234416-03F	Vial H2SO4 preserved	A	NA		5.7	Y	Absent		TOC-5310(28)
L2234416-03G	Vial H2SO4 preserved	A	NA		5.7	Y	Absent		TOC-5310(28)
L2234416-03H	Plastic 250ml unpreserved/No Headspace	B	NA		3.7	Y	Absent		ALK-T-2320(14)
L2234416-03I	Plastic 250ml HNO3 preserved	B	7	<2	3.7	N	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)
L2234416-03J	Plastic 250ml H2SO4 preserved	B	<2	<2	3.7	Y	Absent		COD-410-LOW(28)
L2234416-03K	Plastic 950ml unpreserved	B	7	7	3.7	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2234416-04A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-04B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-04C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-04D	Vial H2SO4 preserved	A	NA		5.7	Y	Absent		TOC-5310(28)
L2234416-04E	Vial H2SO4 preserved	A	NA		5.7	Y	Absent		TOC-5310(28)
L2234416-04F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.7	Y	Absent		COD-410-LOW(28)
L2234416-05A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-05B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-05C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-05D	Vial H2SO4 preserved	A	NA		5.7	Y	Absent		TOC-5310(28)
L2234416-05E	Vial H2SO4 preserved	A	NA		5.7	Y	Absent		TOC-5310(28)
L2234416-05F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.7	Y	Absent		COD-410-LOW(28)
L2234416-06A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-06B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-06C	Vial HCl preserved	A	NA		5.7	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(*)
L2234416-06D	Vial H2SO4 preserved	A	NA		5.7	Y	Absent		TOC-5310(28)
L2234416-06E	Vial H2SO4 preserved	A	NA		5.7	Y	Absent		TOC-5310(28)
L2234416-06F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.7	Y	Absent		COD-410-LOW(28)
L2234416-07A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-07B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-07C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-07D	Vial H2SO4 preserved	A	NA		5.7	Y	Absent		TOC-5310(28)
L2234416-07E	Vial H2SO4 preserved	A	NA		5.7	Y	Absent		TOC-5310(28)
L2234416-07F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.7	Y	Absent		COD-410-LOW(28)
L2234416-08A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-08B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-08C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-08D	Vial H2SO4 preserved	A	NA		5.7	Y	Absent		TOC-5310(28)
L2234416-08E	Vial H2SO4 preserved	A	NA		5.7	Y	Absent		TOC-5310(28)
L2234416-08F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.7	Y	Absent		COD-410-LOW(28)
L2234416-09A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-09B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-09C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-09D	20ml Vial HCl preserved	A	NA		5.7	Y	Absent		DISSGAS(14)
L2234416-09E	20ml Vial HCl preserved	A	NA		5.7	Y	Absent		DISSGAS(14)
L2234416-09F	Vial H2SO4 preserved	A	NA		5.7	Y	Absent		TOC-5310(28)
L2234416-09G	Vial H2SO4 preserved	A	NA		5.7	Y	Absent		TOC-5310(28)
L2234416-09H	Plastic 250ml unpreserved/No Headspace	B	NA		3.7	Y	Absent		ALK-T-2320(14)
L2234416-09I	Plastic 250ml HNO3 preserved	B	7	<2	3.7	N	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)
L2234416-09J	Plastic 250ml H2SO4 preserved	B	<2	<2	3.7	Y	Absent		COD-410-LOW(28)
L2234416-09K	Plastic 950ml unpreserved	B	7	7	3.7	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2234416-10A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-10B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)

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(*)
L2234416-10C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-10D	20ml Vial HCl preserved	A	NA		5.7	Y	Absent		DISSGAS(14)
L2234416-10E	20ml Vial HCl preserved	A	NA		5.7	Y	Absent		DISSGAS(14)
L2234416-10F	Vial H2SO4 preserved	A	NA		5.7	Y	Absent		TOC-5310(28)
L2234416-10G	Vial H2SO4 preserved	A	NA		5.7	Y	Absent		TOC-5310(28)
L2234416-10H	Plastic 250ml unpreserved/No Headspace	B	NA		3.7	Y	Absent		ALK-T-2320(14)
L2234416-10I	Plastic 250ml HNO3 preserved	B	7	<2	3.7	N	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)
L2234416-10J	Plastic 250ml H2SO4 preserved	B	<2	<2	3.7	Y	Absent		COD-410-LOW(28)
L2234416-10K	Plastic 950ml unpreserved	B	7	7	3.7	Y	Absent		SO4-300(28),CL-300(28),NO3-353(2),BOD-5210(2)
L2234416-11A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-11B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-11C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-11D	20ml Vial HCl preserved	A	NA		5.7	Y	Absent		DISSGAS(14)
L2234416-11E	20ml Vial HCl preserved	A	NA		5.7	Y	Absent		DISSGAS(14)
L2234416-11F	Vial H2SO4 preserved	A	NA		5.7	Y	Absent		TOC-5310(28)
L2234416-11G	Vial H2SO4 preserved	A	NA		5.7	Y	Absent		TOC-5310(28)
L2234416-11H	Plastic 250ml unpreserved/No Headspace	B	NA		3.7	Y	Absent		ALK-T-2320(14)
L2234416-11I	Plastic 250ml HNO3 preserved	B	7	<2	3.7	N	Absent		FE-6020T(180),MN-6020T(180),MG-6020T(180),HARDT-6020(180)
L2234416-11J	Plastic 250ml H2SO4 preserved	B	<2	<2	3.7	Y	Absent		COD-410-LOW(28)
L2234416-11K	Plastic 950ml unpreserved	B	7	7	3.7	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2234416-12A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-12B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-12C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-13A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-13B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-13C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-14A	Vial HCl preserved	A	NA		5.7	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(*)
L2234416-14B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-14C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-15A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-15B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-15C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-16A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-16B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-16C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-17A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-17B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-17C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-18A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2234416-18B	Vial HCl preserved	A	NA		5.7	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.

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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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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.

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

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Data Qualifiers

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.
- 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.)

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Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2234416
Report Date: 07/20/22

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.



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 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		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>6/29/22</u>		ALPHA Job # <u>L22344/6</u>																
		Project Information Project Name: <u>Garlock Carbon Tet. Area</u> Project Location: <u>Belmyra NY</u> Project # <u>12578577-2201</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 Dr</u> <u>Cazenovia NY 13035</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: <u>Metals Fe, Mg, Mn</u> Please specify Metals or TAL.						ANALYSIS TCL VOCs TOC COD BOD/Cl ₂ /SO ₄ /NO ₃ ALK Diss. Gases T. Metals/Hardness		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below) Sample Specific Comments		Total Bottles														
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials																
34416-01		MW0610-4-062822		6/28/22 1040		GW		DT			X		X		X		X		X		X		Note: Metals NOT preserved - Lab must preserve	
-02		MW0610-5-062822		6/28/22 1015		GW		KM			X		X		X		X		X		X			
-03		MW0811-02-062822		6/28/22 1000		GW		JK			X		X		X		X		X		X		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 Preservative		V V P P P V P B D D A A B C														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>T. Deyo</u> <u>SECURE STORAGE AAL</u> <u>RCunningham AAL</u>		Date/Time <u>6/28/22 14:57</u> <u>6/28/22 17:34</u> <u>6/28/22 17:34</u>		Received By: <u>SECURE STORAGE AAL</u> <u>RCunningham AAL</u> <u>SECURE STORAGE AAL</u>		Date/Time <u>6/28/22 14:57</u> <u>6/28/22 17:34</u> <u>6/29/22 09:45</u>																		

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		Project Information Project Name: <u>Garlock AOC-5</u> Project Location: <u>Palmyra NY</u> Project # <u>12578577</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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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 TCL VOCs TOC COD BOD, Cl, SO₄, NO₃ ALK Diss. Gases T. Metals / Hardness <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%; text-align: center;">X</td> <td style="width:33%; text-align: center;">X</td> <td style="width:33%; text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> </table>		X	X	X	X	X	X	X	X	X	Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below) Sample Specific Comments	
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ALPHA Lab ID (Lab Use Only) <u>34416-16-04</u>		Sample ID <u>MW0610-1-062822</u>		Collection Date <u>6/28/22</u> Time <u>1415</u>		Sample Matrix <u>GW</u> Sampler's Initials <u>JK</u>		Analysis Results (X = Detected, Blank = Not Detected) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%; text-align: center;">X</td> <td style="width:33%; text-align: center;">X</td> <td style="width:33%; text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> </table>		X	X	X	X	X	X	X	X	X
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<u>34416-18-11</u>		<u>MW-63-062822</u>		<u>6/28/22</u> <u>1435</u> <u>GW</u> <u>DT</u>		<u>X</u> <u>X</u> <u>X</u> <u>X</u> <u>X</u> <u>X</u> <u>X</u>		<u>DT</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>Donna Gagnier</u>		Date/Time: <u>6/28/22 1500</u>		Received By: <u>SECURE STORAGE AAL</u>		Date/Time: <u>6-28-22 1500</u>												
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 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		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>6/29/22</u>		ALPHA Job # <u>L2254416</u>	
		Project Information Project Name: <u>Garlock AOC-3/AOC-4, Tolulene Area</u> Project Location: <u>Palmyra NY</u> Project # <u>12578577-2201</u> (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☐ EQUIS (1 File) ☐ Other ☒ ASP-B ☒ EQUIS (4 File)		Billing Information ☒ Same as Client Info PO #			
Client Information Client: <u>GHD</u> Address: <u>One Remington Drive</u> <u>Cazenovia, NY 13035</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 ☐ AWQ Standards ☐ NY Restricted Use ☐ NY Unrestricted Use ☐ NYC Sewer Discharge ☐ NY Part 375 ☐ NY CP-51 ☐ Other		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:			
These samples have been previously analyzed by Alpha ☒						ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)	
Other project specific requirements/comments:						Total Bottles		Sample Specific Comments	
Please specify Metals or TAL.									
ALPHA Lab ID (Lab Use Only) <u>344116-09-14</u>		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials	
<u>344116-09-14</u>		<u>MW0512-01-062822</u>		<u>6/28/22 1320</u>		<u>GW</u>		<u>KM</u>	
<u>-13 -14</u>		<u>MW0512-02-062822</u>		<u>6/28/22 1245</u>		<u>GW</u>		<u>JK</u>	
<u>-14 -11</u>		<u>MW0911-01-062822</u>		<u>6/28/22 1315</u>		<u>GW</u>		<u>DT</u>	
<u>-15 -12</u>		<u>MW0911-02-062822</u>		<u>6/28/22 1250</u>		<u>GW</u>		<u>KM</u>	
<u>-16 -3</u>		<u>IW-1-062822</u>		<u>6/28/22 0925</u>		<u>GW</u>		<u>DT</u>	
<u>-17 -14</u>		<u>IW-2-062822</u>		<u>6/28/22 0930</u>		<u>GW</u>		<u>JK</u>	
<u>-18 -15</u>		<u>Trip blank-062822</u>		<u>6/28/22</u>		<u>TB</u>		<u>KM</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>		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.)	
Form No: 01-25 HC (rev. 30-Sept-2013)		Relinquished By: <u>[Signature]</u>		Date/Time: <u>6/28/22 1459</u>		Received By: <u>SECURE STORAGE AAL</u>		Date/Time: <u>6-28-22 14:59</u>	
		<u>R Cunningham AAL</u>		<u>6-28-22 17:34</u>		<u>R Cunningham AAL</u>		<u>6-28-22 17:34</u>	
		<u>SECURE STORAGE AAL</u>		<u>6-28-22 17:34</u>		<u>[Signature]</u>		<u>6/29/22 0045</u>	

3rd Quarter 2022



ANALYTICAL REPORT

Lab Number:	L2253332
Client:	GHD, Inc. 5788 Widewaters Pkwy Syracuse, NY 13214
ATTN:	Ian McNamara
Phone:	(315) 802-0312
Project Name:	GARLOCK
Project Number:	12578577
Report Date:	10/20/22

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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: 12578577

Lab Number: L2253332

Report Date: 10/20/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2253332-01	MW0512-01-092722	WATER	PALMYRA,NY	09/27/22 13:25	09/27/22
L2253332-02	MW0512-02-092722	WATER	PALMYRA,NY	09/27/22 13:00	09/27/22
L2253332-03	MW0911-01-092722	WATER	PALMYRA,NY	09/27/22 13:25	09/27/22
L2253332-04	MW0911-02-092722	WATER	PALMYRA,NY	09/27/22 12:55	09/27/22
L2253332-05	IW-1-092722	WATER	PALMYRA,NY	09/27/22 09:30	09/27/22
L2253332-06	IW-2-092722	WATER	PALMYRA,NY	09/27/22 09:55	09/27/22
L2253332-07	TRIP BLANK-092722	WATER	PALMYRA,NY	09/27/22 09:00	09/27/22
L2253332-08	OW-1-092722	WATER	PALMYRA,NY	09/27/22 12:00	09/27/22
L2253332-09	OW-3/AOC-2-092722	WATER	PALMYRA,NY	09/27/22 12:15	09/27/22
L2253332-10	OW-4/MW-28-092722	WATER	PALMYRA,NY	09/27/22 12:35	09/27/22
L2253332-11	OW-5-092722	WATER	PALMYRA,NY	09/27/22 12:30	09/27/22
L2253332-12	OW-2/MW-41-092722	WATER	PALMYRA,NY	09/27/22 12:05	09/27/22
L2253332-13	MW0610-4-092722	WATER	PALMYRA,NY	09/27/22 10:25	09/27/22
L2253332-14	MW0811-2-092722	WATER	PALMYRA,NY	09/27/22 10:50	09/27/22
L2253332-15	MW0610-5-092722	WATER	PALMYRA,NY	09/27/22 11:15	09/27/22
L2253332-16	OW-3-092722	WATER	PALMYRA,NY	09/27/22 09:25	09/27/22
L2253332-17	OW-4-092722	WATER	PALMYRA,NY	09/27/22 09:50	09/27/22
L2253332-18	OW-6/MW-3-092722	WATER	PALMYRA,NY	09/27/22 10:25	09/27/22
L2253332-19	OW-7/MW-27-092722	WATER	PALMYRA,NY	09/27/22 10:55	09/27/22
L2253332-20	PTOW1-1-092722	WATER	PALMYRA,NY	09/27/22 12:00	09/27/22
L2253332-21	MW0610-1-092722	WATER	PALMYRA,NY	09/27/22 14:00	09/27/22
L2253332-22	MW0811-01-092722	WATER	PALMYRA,NY	09/27/22 14:05	09/27/22
L2253332-23	MW-63-092722	WATER	PALMYRA,NY	09/27/22 14:30	09/27/22

Project Name: GARLOCK
Project Number: 12578577

Lab Number: L2253332
Report Date: 10/20/22

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: 12578577

Lab Number: L2253332
Report Date: 10/20/22

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.

Sample Receipt

L2253332-02: The sample identified as "MW0512-02-092722" on the chain of custody was identified as "MW0512-01-092722" on the container label. At the client's request, the sample is reported as "MW0512-02-092722".

L2253332-03: The collection date and time on the chain of custody was 27-SEP-22 12:55; however, the collection date/time on the container label was 27-SEP-22 13:25. At the client's request, the collection date/time is reported as 27-SEP-22 13:25.

L2253332-04: The collection date and time on the chain of custody was 27-SEP-22 13:20; however, the collection date/time on the container label was 27-SEP-22 12:55. At the client's request, the collection date/time is reported as 27-SEP-22 12:55.

L2253332-12: The analyses performed were specified by the client.

Dissolved Gases

L2253332-13, -14, -15, -21, -22, and -23: The sample was collected in pre-preserved vials; however, the pH of the sample was determined to be greater than two.

The WG1695604-5 MS recovery, performed on L2253332-15, is outside the acceptance criteria for methane (385%). The unacceptable percent recovery is attributed to the elevated concentrations of target compounds present in the native sample.

Anions by Ion Chromatography

L2253332-14: The sample has an elevated detection limit for sulfate due to the dilution required by the sample matrix.

Project Name: GARLOCK
Project Number: 12578577

Lab Number: L2253332
Report Date: 10/20/22

Case Narrative (continued)

BOD, 5 day

L2253332-21 and -23: 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.

Total Organic Carbon

L2253332-23: The sample has an elevated detection limit due to the dilution required by the sample matrix.

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:

Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative

Date: 10/20/22

ORGANICS

VOLATILES

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-01 D

Date Collected: 09/27/22 13:25

Client ID: MW0512-01-092722

Date Received: 09/27/22

Sample Location: PALMYRA,NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/10/22 21:12

Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	250	70.	100
1,1-Dichloroethane	150	J	ug/l	250	70.	100
Chloroform	ND		ug/l	250	70.	100
Carbon tetrachloride	ND		ug/l	50	13.	100
1,2-Dichloropropane	ND		ug/l	100	14.	100
Dibromochloromethane	ND		ug/l	50	15.	100
1,1,2-Trichloroethane	ND		ug/l	150	50.	100
Tetrachloroethene	ND		ug/l	50	18.	100
Chlorobenzene	ND		ug/l	250	70.	100
Trichlorofluoromethane	ND		ug/l	250	70.	100
1,2-Dichloroethane	ND		ug/l	50	13.	100
1,1,1-Trichloroethane	450		ug/l	250	70.	100
Bromodichloromethane	ND		ug/l	50	19.	100
trans-1,3-Dichloropropene	ND		ug/l	50	16.	100
cis-1,3-Dichloropropene	ND		ug/l	50	14.	100
Bromoform	ND		ug/l	200	65.	100
1,1,2,2-Tetrachloroethane	ND		ug/l	50	17.	100
Benzene	ND		ug/l	50	16.	100
Toluene	2200		ug/l	250	70.	100
Ethylbenzene	150	J	ug/l	250	70.	100
Chloromethane	ND		ug/l	250	70.	100
Bromomethane	ND		ug/l	250	70.	100
Vinyl chloride	1100		ug/l	100	7.1	100
Chloroethane	ND		ug/l	250	70.	100
1,1-Dichloroethene	20	J	ug/l	50	17.	100
trans-1,2-Dichloroethene	ND		ug/l	250	70.	100
Trichloroethene	ND		ug/l	50	18.	100
1,2-Dichlorobenzene	ND		ug/l	250	70.	100

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-01 D

Date Collected: 09/27/22 13:25

Client ID: MW0512-01-092722

Date Received: 09/27/22

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	250	70.	100
1,4-Dichlorobenzene	ND		ug/l	250	70.	100
Methyl tert butyl ether	ND		ug/l	250	70.	100
p/m-Xylene	570		ug/l	250	70.	100
o-Xylene	240	J	ug/l	250	70.	100
cis-1,2-Dichloroethene	9900		ug/l	250	70.	100
Styrene	ND		ug/l	250	70.	100
Dichlorodifluoromethane	ND		ug/l	500	100	100
Acetone	ND		ug/l	500	150	100
Carbon disulfide	ND		ug/l	500	100	100
2-Butanone	ND		ug/l	500	190	100
4-Methyl-2-pentanone	ND		ug/l	500	100	100
2-Hexanone	ND		ug/l	500	100	100
Bromochloromethane	ND		ug/l	250	70.	100
1,2-Dibromoethane	ND		ug/l	200	65.	100
1,2-Dibromo-3-chloropropane	ND		ug/l	250	70.	100
Isopropylbenzene	ND		ug/l	250	70.	100
1,2,3-Trichlorobenzene	ND		ug/l	250	70.	100
1,2,4-Trichlorobenzene	ND		ug/l	250	70.	100
Methyl Acetate	ND		ug/l	200	23.	100
Cyclohexane	ND		ug/l	1000	27.	100
1,4-Dioxane	ND		ug/l	25000	6100	100
Freon-113	ND		ug/l	250	70.	100
Methyl cyclohexane	ND		ug/l	1000	40.	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	98		70-130

Project Name: GARLOCK**Lab Number:** L2253332**Project Number:** 12578577**Report Date:** 10/20/22**SAMPLE RESULTS**

Lab ID: L2253332-02 D2

Date Collected: 09/27/22 13:00

Client ID: MW0512-02-092722

Date Received: 09/27/22

Sample Location: PALMYRA,NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/10/22 21:33

Analyst: MJV

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

Vinyl chloride	6800		ug/l	100	7.1	100
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-02 D

Date Collected: 09/27/22 13:00

Client ID: MW0512-02-092722

Date Received: 09/27/22

Sample Location: PALMYRA,NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/07/22 18:31

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	470		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	11		ug/l	5.0	1.6	10
Toluene	410		ug/l	25	7.0	10
Ethylbenzene	8.5	J	ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	7400	E	ug/l	10	0.71	10
Chloroethane	51		ug/l	25	7.0	10
1,1-Dichloroethene	2.7	J	ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	16	J	ug/l	25	7.0	10
Trichloroethene	4.4	J	ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-02 D

Date Collected: 09/27/22 13:00

Client ID: MW0512-02-092722

Date Received: 09/27/22

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	8.7	J	ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	1400		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	66		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	27	J	ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-03 D

Date Collected: 09/27/22 13:25

Client ID: MW0911-01-092722

Date Received: 09/27/22

Sample Location: PALMYRA,NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/07/22 18:52

Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	62	18.	25
1,1-Dichloroethane	48	J	ug/l	62	18.	25
Chloroform	ND		ug/l	62	18.	25
Carbon tetrachloride	ND		ug/l	12	3.4	25
1,2-Dichloropropane	ND		ug/l	25	3.4	25
Dibromochloromethane	ND		ug/l	12	3.7	25
1,1,2-Trichloroethane	ND		ug/l	38	12.	25
Tetrachloroethene	ND		ug/l	12	4.5	25
Chlorobenzene	ND		ug/l	62	18.	25
Trichlorofluoromethane	ND		ug/l	62	18.	25
1,2-Dichloroethane	ND		ug/l	12	3.3	25
1,1,1-Trichloroethane	ND		ug/l	62	18.	25
Bromodichloromethane	ND		ug/l	12	4.8	25
trans-1,3-Dichloropropene	ND		ug/l	12	4.1	25
cis-1,3-Dichloropropene	ND		ug/l	12	3.6	25
Bromoform	ND		ug/l	50	16.	25
1,1,2,2-Tetrachloroethane	ND		ug/l	12	4.2	25
Benzene	ND		ug/l	12	4.0	25
Toluene	ND		ug/l	62	18.	25
Ethylbenzene	ND		ug/l	62	18.	25
Chloromethane	ND		ug/l	62	18.	25
Bromomethane	ND		ug/l	62	18.	25
Vinyl chloride	740		ug/l	25	1.8	25
Chloroethane	ND		ug/l	62	18.	25
1,1-Dichloroethene	11	J	ug/l	12	4.2	25
trans-1,2-Dichloroethene	ND		ug/l	62	18.	25
Trichloroethene	52		ug/l	12	4.4	25
1,2-Dichlorobenzene	ND		ug/l	62	18.	25

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-03 D

Date Collected: 09/27/22 13:25

Client ID: MW0911-01-092722

Date Received: 09/27/22

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	62	18.	25
1,4-Dichlorobenzene	ND		ug/l	62	18.	25
Methyl tert butyl ether	ND		ug/l	62	18.	25
p/m-Xylene	ND		ug/l	62	18.	25
o-Xylene	ND		ug/l	62	18.	25
cis-1,2-Dichloroethene	3600		ug/l	62	18.	25
Styrene	ND		ug/l	62	18.	25
Dichlorodifluoromethane	ND		ug/l	120	25.	25
Acetone	ND		ug/l	120	36.	25
Carbon disulfide	ND		ug/l	120	25.	25
2-Butanone	ND		ug/l	120	48.	25
4-Methyl-2-pentanone	ND		ug/l	120	25.	25
2-Hexanone	ND		ug/l	120	25.	25
Bromochloromethane	ND		ug/l	62	18.	25
1,2-Dibromoethane	ND		ug/l	50	16.	25
1,2-Dibromo-3-chloropropane	ND		ug/l	62	18.	25
Isopropylbenzene	ND		ug/l	62	18.	25
1,2,3-Trichlorobenzene	ND		ug/l	62	18.	25
1,2,4-Trichlorobenzene	ND		ug/l	62	18.	25
Methyl Acetate	ND		ug/l	50	5.8	25
Cyclohexane	ND		ug/l	250	6.8	25
1,4-Dioxane	ND		ug/l	6200	1500	25
Freon-113	ND		ug/l	62	18.	25
Methyl cyclohexane	ND		ug/l	250	9.9	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	107		70-130

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-04 D

Date Collected: 09/27/22 12:55

Client ID: MW0911-02-092722

Date Received: 09/27/22

Sample Location: PALMYRA,NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/07/22 19:13

Analyst: MKS

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	160		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	12		ug/l	2.5	0.80	5
Toluene	560		ug/l	12	3.5	5
Ethylbenzene	15		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	120		ug/l	5.0	0.36	5
Chloroethane	64		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	20		ug/l	12	3.5	5
Trichloroethene	ND		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-04 D

Date Collected: 09/27/22 12:55

Client ID: MW0911-02-092722

Date Received: 09/27/22

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	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	28		ug/l	12	3.5	5
o-Xylene	25		ug/l	12	3.5	5
cis-1,2-Dichloroethene	82		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	10	J	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	2.0	J	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	9.2	J	ug/l	50	2.0	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	99		70-130

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-05

Date Collected: 09/27/22 09:30

Client ID: IW-1-092722

Date Received: 09/27/22

Sample Location: PALMYRA,NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/10/22 19:48

Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	0.80	J	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	19		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	2.0		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: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-05

Date Collected: 09/27/22 09:30

Client ID: IW-1-092722

Date Received: 09/27/22

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	1.3	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	16		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	64		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	92		70-130

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-06

Date Collected: 09/27/22 09:55

Client ID: IW-2-092722

Date Received: 09/27/22

Sample Location: PALMYRA,NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/07/22 19:55

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	0.57		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: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-06

Date Collected: 09/27/22 09:55

Client ID: IW-2-092722

Date Received: 09/27/22

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	3.6		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	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	104		70-130

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-07
 Client ID: TRIP BLANK-092722
 Sample Location: PALMYRA,NY

Date Collected: 09/27/22 09:00
 Date Received: 09/27/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/07/22 17:49
 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

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-07
 Client ID: TRIP BLANK-092722
 Sample Location: PALMYRA,NY

Date Collected: 09/27/22 09:00
 Date Received: 09/27/22
 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	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	103		70-130

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-08

Date Collected: 09/27/22 12:00

Client ID: OW-1-092722

Date Received: 09/27/22

Sample Location: PALMYRA,NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/07/22 20:17

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	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	5.0		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: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-08

Date Collected: 09/27/22 12:00

Client ID: OW-1-092722

Date Received: 09/27/22

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	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	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	100		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	106		70-130

Project Name: GARLOCK**Lab Number:** L2253332**Project Number:** 12578577**Report Date:** 10/20/22**SAMPLE RESULTS**

Lab ID: L2253332-09 D2

Date Collected: 09/27/22 12:15

Client ID: OW-3/AOC-2-092722

Date Received: 09/27/22

Sample Location: PALMYRA,NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/10/22 21:54

Analyst: MJV

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

Vinyl chloride	6000		ug/l	100	7.1	100
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	102		70-130

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-09 D

Date Collected: 09/27/22 12:15

Client ID: OW-3/AOC-2-092722

Date Received: 09/27/22

Sample Location: PALMYRA,NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/08/22 00:29

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	420		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	6700	E	ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	3.3	J	ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	27		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

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-09 D

Date Collected: 09/27/22 12:15

Client ID: OW-3/AOC-2-092722

Date Received: 09/27/22

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	68		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	102		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	106		70-130

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-10
 Client ID: OW-4/MW-28-092722
 Sample Location: PALMYRA,NY

Date Collected: 09/27/22 12:35
 Date Received: 09/27/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/07/22 20:38
 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	47		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	160		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	0.26	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-10
 Client ID: OW-4/MW-28-092722
 Sample Location: PALMYRA,NY

Date Collected: 09/27/22 12:35
 Date Received: 09/27/22
 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	18		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	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	107		70-130

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-11

Date Collected: 09/27/22 12:30

Client ID: OW-5-092722

Date Received: 09/27/22

Sample Location: PALMYRA,NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/07/22 20:59

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	33		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	110		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: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-11

Date Collected: 09/27/22 12:30

Client ID: OW-5-092722

Date Received: 09/27/22

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	4.5		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	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	105		70-130
Dibromofluoromethane	109		70-130

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-12 D

Date Collected: 09/27/22 12:05

Client ID: OW-2/MW-41-092722

Date Received: 09/27/22

Sample Location: PALMYRA,NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/07/22 21:20

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	130		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	6.9		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	17	J	ug/l	25	7.0	10
Trichloroethene	3.7	J	ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-12 D

Date Collected: 09/27/22 12:05

Client ID: OW-2/MW-41-092722

Date Received: 09/27/22

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	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	14	J	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	98		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	107		70-130

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-13
 Client ID: MW0610-4-092722
 Sample Location: PALMYRA,NY

Date Collected: 09/27/22 10:25
 Date Received: 09/27/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/10/22 20:09
 Analyst: MJV

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	0.45	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

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-13
 Client ID: MW0610-4-092722
 Sample Location: PALMYRA,NY

Date Collected: 09/27/22 10:25
 Date Received: 09/27/22
 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	0.82	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	5.2	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	93		70-130

Project Name: GARLOCK**Lab Number:** L2253332**Project Number:** 12578577**Report Date:** 10/20/22**SAMPLE RESULTS**

Lab ID: L2253332-13
 Client ID: MW0610-4-092722
 Sample Location: PALMYRA,NY

Date Collected: 09/27/22 10:25
 Date Received: 09/27/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 117,-

Analytical Date: 10/04/22 15:16

Analyst: BJB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	4080		ug/l	2.00	2.00	1	A
Ethene	ND		ug/l	0.500	0.500	1	A
Ethane	0.821		ug/l	0.500	0.500	1	A

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-14
 Client ID: MW0811-2-092722
 Sample Location: PALMYRA,NY

Date Collected: 09/27/22 10:50
 Date Received: 09/27/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/10/22 20:30
 Analyst: MJV

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	0.30	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	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	4.0		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-14
 Client ID: MW0811-2-092722
 Sample Location: PALMYRA,NY

Date Collected: 09/27/22 10:50
 Date Received: 09/27/22
 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	92		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	93		70-130

Project Name: GARLOCK**Lab Number:** L2253332**Project Number:** 12578577**Report Date:** 10/20/22**SAMPLE RESULTS**

Lab ID: L2253332-14
 Client ID: MW0811-2-092722
 Sample Location: PALMYRA,NY

Date Collected: 09/27/22 10:50
 Date Received: 09/27/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 117,-

Analytical Date: 10/04/22 15:32

Analyst: BJB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	903		ug/l	2.00	2.00	1	A
Ethene	ND		ug/l	0.500	0.500	1	A
Ethane	0.723		ug/l	0.500	0.500	1	A

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-15
 Client ID: MW0610-5-092722
 Sample Location: PALMYRA,NY

Date Collected: 09/27/22 11:15
 Date Received: 09/27/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/07/22 22:23

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	15		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	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: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-15
 Client ID: MW0610-5-092722
 Sample Location: PALMYRA,NY

Date Collected: 09/27/22 11:15
 Date Received: 09/27/22
 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	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	1.6	J	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	3.3	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	7.6	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	103		70-130

Project Name: GARLOCK**Project Number:** 12578577**Lab Number:** L2253332**Report Date:** 10/20/22**SAMPLE RESULTS**

Lab ID: L2253332-15
Client ID: MW0610-5-092722
Sample Location: PALMYRA,NY

Date Collected: 09/27/22 11:15
Date Received: 09/27/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 117,-

Analytical Date: 10/04/22 15:50

Analyst: BJB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	2420		ug/l	2.00	2.00	1	A
Ethene	0.884		ug/l	0.500	0.500	1	A
Ethane	2.61		ug/l	0.500	0.500	1	A

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-16

Date Collected: 09/27/22 09:25

Client ID: OW-3-092722

Date Received: 09/27/22

Sample Location: PALMYRA,NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/07/22 22:44

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	6.6		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

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-16

Date Collected: 09/27/22 09:25

Client ID: OW-3-092722

Date Received: 09/27/22

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	1.5	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	111		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	108		70-130

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-17

Date Collected: 09/27/22 09:50

Client ID: OW-4-092722

Date Received: 09/27/22

Sample Location: PALMYRA,NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/07/22 23:05

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	0.19	J	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	0.81	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: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-17

Date Collected: 09/27/22 09:50

Client ID: OW-4-092722

Date Received: 09/27/22

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	5.1		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	0.28	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	103		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	110		70-130

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-18
 Client ID: OW-6/MW-3-092722
 Sample Location: PALMYRA,NY

Date Collected: 09/27/22 10:25
 Date Received: 09/27/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/10/22 20:51
 Analyst: MJV

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	15		ug/l	0.50	0.16	1
Toluene	0.86	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	60		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	1.2	J	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: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-18
 Client ID: OW-6/MW-3-092722
 Sample Location: PALMYRA,NY

Date Collected: 09/27/22 10:25
 Date Received: 09/27/22
 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	1.7	J	ug/l	2.5	0.70	1
o-Xylene	2.0	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	58		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	2.2	J	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	1.1	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	5.2	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	9.3	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	96		70-130

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-19
 Client ID: OW-7/MW-27-092722
 Sample Location: PALMYRA,NY

Date Collected: 09/27/22 10:55
 Date Received: 09/27/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/07/22 23:47
 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	56		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	0.80	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	0.90	J	ug/l	2.5	0.70	1
Trichloroethene	2.1		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-19
 Client ID: OW-7/MW-27-092722
 Sample Location: PALMYRA,NY

Date Collected: 09/27/22 10:55
 Date Received: 09/27/22
 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	2.0	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	0.88	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	101		70-130

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-20
 Client ID: PTOW1-1-092722
 Sample Location: PALMYRA,NY

Date Collected: 09/27/22 12:00
 Date Received: 09/27/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/08/22 00:08
 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	5.5		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	0.28	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: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-20
 Client ID: PTOW1-1-092722
 Sample Location: PALMYRA,NY

Date Collected: 09/27/22 12:00
 Date Received: 09/27/22
 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	2.6	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	5.8	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	102		70-130

Project Name: GARLOCK**Lab Number:** L2253332**Project Number:** 12578577**Report Date:** 10/20/22**SAMPLE RESULTS**

Lab ID: L2253332-21
 Client ID: MW0610-1-092722
 Sample Location: PALMYRA,NY

Date Collected: 09/27/22 14:00
 Date Received: 09/27/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 117,-

Analytical Date: 10/04/22 16:08

Analyst: BJB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	2930		ug/l	2.00	2.00	1	A
Ethene	16.1		ug/l	0.500	0.500	1	A
Ethane	17.1		ug/l	0.500	0.500	1	A

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-21 D

Date Collected: 09/27/22 14:00

Client ID: MW0610-1-092722

Date Received: 09/27/22

Sample Location: PALMYRA,NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/07/22 22:17

Analyst: MJV

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	280		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	0.58	J	ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	2.1	J	ug/l	5.0	1.4	2
Trichloroethene	5.0		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-21 D

Date Collected: 09/27/22 14:00

Client ID: MW0610-1-092722

Date Received: 09/27/22

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	111		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	117		70-130

Project Name: GARLOCK**Lab Number:** L2253332**Project Number:** 12578577**Report Date:** 10/20/22**SAMPLE RESULTS**

Lab ID: L2253332-22
 Client ID: MW0811-01-092722
 Sample Location: PALMYRA,NY

Date Collected: 09/27/22 14:05
 Date Received: 09/27/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 117,-

Analytical Date: 10/04/22 16:26

Analyst: BJB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	5940		ug/l	2.00	2.00	1	A
Ethene	30.5		ug/l	0.500	0.500	1	A
Ethane	31.9		ug/l	0.500	0.500	1	A

Project Name: GARLOCK**Lab Number:** L2253332**Project Number:** 12578577**Report Date:** 10/20/22**SAMPLE RESULTS**

Lab ID: L2253332-22 D2

Date Collected: 09/27/22 14:05

Client ID: MW0811-01-092722

Date Received: 09/27/22

Sample Location: PALMYRA,NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/10/22 20:11

Analyst: MJV

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

Vinyl chloride	1100		ug/l	20	1.4	20
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	110		70-130

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-22 D

Date Collected: 09/27/22 14:05

Client ID: MW0811-01-092722

Date Received: 09/27/22

Sample Location: PALMYRA,NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/07/22 22:41

Analyst: MJV

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	1300	E	ug/l	2.5	0.18	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	ND		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

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-22 D

Date Collected: 09/27/22 14:05

Client ID: MW0811-01-092722

Date Received: 09/27/22

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	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	290		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	112		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	120		70-130

Project Name: GARLOCK**Lab Number:** L2253332**Project Number:** 12578577**Report Date:** 10/20/22**SAMPLE RESULTS**

Lab ID: L2253332-23
 Client ID: MW-63-092722
 Sample Location: PALMYRA,NY

Date Collected: 09/27/22 14:30
 Date Received: 09/27/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 117,-

Analytical Date: 10/04/22 17:46

Analyst: BJB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	430		ug/l	2.00	2.00	1	A
Ethene	20.9		ug/l	0.500	0.500	1	A
Ethane	7.16		ug/l	0.500	0.500	1	A

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-23 D

Date Collected: 09/27/22 14:30

Client ID: MW-63-092722

Date Received: 09/27/22

Sample Location: PALMYRA,NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/07/22 23:04

Analyst: MJV

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	290		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	0.65	J	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: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-23 D

Date Collected: 09/27/22 14:30

Client ID: MW-63-092722

Date Received: 09/27/22

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	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	117		70-130

Project Name: GARLOCK**Project Number:** 12578577**Lab Number:** L2253332**Report Date:** 10/20/22**Method Blank Analysis**
Batch Quality Control

Analytical Method: 117,-

Analytical Date: 10/04/22 13:13

Analyst: BJB

Parameter	Result	Qualifier	Units	RL	MDL
Dissolved Gases by GC - Mansfield Lab for sample(s): 13-15,21-23 Batch: WG1695604-3					
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: L2253332

Project Number: 12578577

Report Date: 10/20/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/07/22 19:34
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 21-23 Batch: WG1697546-5					
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: L2253332

Project Number: 12578577

Report Date: 10/20/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/07/22 19:34
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 21-23 Batch: WG1697546-5					
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: 12578577

Lab Number: L2253332
Report Date: 10/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/07/22 19:34
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 21-23 Batch: WG1697546-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	120		70-130

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/07/22 17:28
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04,06-12,15-17,19-20 Batch: WG1697832-5					
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: 12578577

Lab Number: L2253332
Report Date: 10/20/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/07/22 17:28
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04,06-12,15-17,19-20 Batch: WG1697832-5					
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: 12578577

Lab Number: L2253332
Report Date: 10/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/07/22 17:28
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04,06-12,15-17,19-20 Batch: WG1697832-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	102		70-130

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/10/22 19:26
 Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,05,09,13-14,18 Batch: WG1697928-5					
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: 12578577

Lab Number: L2253332
Report Date: 10/20/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/10/22 19:26
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,05,09,13-14,18 Batch: WG1697928-5					
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: 12578577

Lab Number: L2253332
Report Date: 10/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/10/22 19:26
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,05,09,13-14,18 Batch: WG1697928-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/10/22 19:25
 Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 22 Batch: WG1698000-5					
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: L2253332

Project Number: 12578577

Report Date: 10/20/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/10/22 19:25
 Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 22 Batch: WG1698000-5					
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: 12578577

Lab Number: L2253332
Report Date: 10/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/10/22 19:25
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 22 Batch: WG1698000-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	115		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

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: WG1695604-2									
Methane	106		-		80-120	-		25	A
Ethene	98		-		80-120	-		25	A
Ethane	97		-		80-120	-		25	A

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 21-23 Batch: WG1697546-3 WG1697546-4								
Methylene chloride	100		100		70-130	0		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	98		97		70-130	1		20
Dibromochloromethane	97		99		63-130	2		20
1,1,2-Trichloroethane	98		99		70-130	1		20
Tetrachloroethene	97		99		70-130	2		20
Chlorobenzene	98		99		75-130	1		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	99		100		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	97		100		70-130	3		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
Bromoform	89		92		54-136	3		20
1,1,2,2-Tetrachloroethane	91		96		67-130	5		20
Benzene	100		100		70-130	0		20
Toluene	96		97		70-130	1		20
Ethylbenzene	93		94		70-130	1		20
Chloromethane	93		89		64-130	4		20
Bromomethane	77		78		39-139	1		20
Vinyl chloride	110		100		55-140	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 21-23 Batch: WG1697546-3 WG1697546-4								
Chloroethane	150	Q	150	Q	55-138	0		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	97		100		70-130	3		20
1,2-Dichlorobenzene	93		96		70-130	3		20
1,3-Dichlorobenzene	94		96		70-130	2		20
1,4-Dichlorobenzene	94		95		70-130	1		20
Methyl tert butyl ether	88		96		63-130	9		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	85		90		70-130	6		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	120		120		36-147	0		20
Acetone	87		92		58-148	6		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	83		100		63-138	19		20
4-Methyl-2-pentanone	72		79		59-130	9		20
2-Hexanone	71		77		57-130	8		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	96		99		70-130	3		20
1,2-Dibromo-3-chloropropane	91		93		41-144	2		20
Isopropylbenzene	91		92		70-130	1		20
1,2,3-Trichlorobenzene	91		93		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 21-23 Batch: WG1697546-3 WG1697546-4								
1,2,4-Trichlorobenzene	90		94		70-130	4		20
Methyl Acetate	92		94		70-130	2		20
Cyclohexane	93		93		70-130	0		20
1,4-Dioxane	148		136		56-162	8		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	97		100		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		109		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	113		110		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04,06-12,15-17,19-20 Batch: WG1697832-3 WG1697832-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		100		70-130	10		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	96		96		63-130	0		20
1,1,2-Trichloroethane	93		93		70-130	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	110		100		75-130	10		20
Trichlorofluoromethane	120		110		62-150	9		20
1,2-Dichloroethane	99		100		70-130	1		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	97		98		67-130	1		20
trans-1,3-Dichloropropene	98		100		70-130	2		20
cis-1,3-Dichloropropene	91		93		70-130	2		20
Bromoform	100		90		54-136	11		20
1,1,2,2-Tetrachloroethane	100		88		67-130	13		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	110		100		70-130	10		20
Chloromethane	120		120		64-130	0		20
Bromomethane	120		120		39-139	0		20
Vinyl chloride	110		110		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04,06-12,15-17,19-20 Batch: WG1697832-3 WG1697832-4								
Chloroethane	130		120		55-138	8		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	110		110		70-130	0		20
1,2-Dichlorobenzene	120		96		70-130	22	Q	20
1,3-Dichlorobenzene	120		100		70-130	18		20
1,4-Dichlorobenzene	120		100		70-130	18		20
Methyl tert butyl ether	89		93		63-130	4		20
p/m-Xylene	110		105		70-130	5		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Styrene	115		115		70-130	0		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	78		78		58-148	0		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	85		79		63-138	7		20
4-Methyl-2-pentanone	91		96		59-130	5		20
2-Hexanone	97		89		57-130	9		20
Bromochloromethane	110		100		70-130	10		20
1,2-Dibromoethane	96		96		70-130	0		20
1,2-Dibromo-3-chloropropane	92		80		41-144	14		20
Isopropylbenzene	110		95		70-130	15		20
1,2,3-Trichlorobenzene	110		94		70-130	16		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04,06-12,15-17,19-20 Batch: WG1697832-3 WG1697832-4								
1,2,4-Trichlorobenzene	110		92		70-130	18		20
Methyl Acetate	84		90		70-130	7		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	90		90		56-162	0		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	100		110		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		99		70-130
Toluene-d8	103		104		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: 12578577

Lab Number: L2253332

Report Date: 10/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,05,09,13-14,18 Batch: WG1697928-3 WG1697928-4								
Methylene chloride	95		92		70-130	3		20
1,1-Dichloroethane	96		94		70-130	2		20
Chloroform	96		96		70-130	0		20
Carbon tetrachloride	100		97		63-132	3		20
1,2-Dichloropropane	93		92		70-130	1		20
Dibromochloromethane	92		91		63-130	1		20
1,1,2-Trichloroethane	96		96		70-130	0		20
Tetrachloroethene	100		99		70-130	1		20
Chlorobenzene	97		97		75-130	0		20
Trichlorofluoromethane	100		98		62-150	2		20
1,2-Dichloroethane	95		94		70-130	1		20
1,1,1-Trichloroethane	100		96		67-130	4		20
Bromodichloromethane	90		89		67-130	1		20
trans-1,3-Dichloropropene	86		85		70-130	1		20
cis-1,3-Dichloropropene	78		76		70-130	3		20
Bromoform	85		86		54-136	1		20
1,1,2,2-Tetrachloroethane	87		89		67-130	2		20
Benzene	94		94		70-130	0		20
Toluene	97		95		70-130	2		20
Ethylbenzene	96		95		70-130	1		20
Chloromethane	98		99		64-130	1		20
Bromomethane	89		91		39-139	2		20
Vinyl chloride	98		96		55-140	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,05,09,13-14,18 Batch: WG1697928-3 WG1697928-4								
Chloroethane	110		100		55-138	10		20
1,1-Dichloroethene	96		96		61-145	0		20
trans-1,2-Dichloroethene	94		92		70-130	2		20
Trichloroethene	99		97		70-130	2		20
1,2-Dichlorobenzene	96		95		70-130	1		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	98		97		70-130	1		20
Methyl tert butyl ether	87		90		63-130	3		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	94		92		70-130	2		20
Styrene	110		110		70-130	0		20
Dichlorodifluoromethane	96		95		36-147	1		20
Acetone	72		67		58-148	7		20
Carbon disulfide	93		92		51-130	1		20
2-Butanone	72		75		63-138	4		20
4-Methyl-2-pentanone	75		80		59-130	6		20
2-Hexanone	79		80		57-130	1		20
Bromochloromethane	92		91		70-130	1		20
1,2-Dibromoethane	94		94		70-130	0		20
1,2-Dibromo-3-chloropropane	82		85		41-144	4		20
Isopropylbenzene	94		95		70-130	1		20
1,2,3-Trichlorobenzene	90		94		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,05,09,13-14,18 Batch: WG1697928-3 WG1697928-4								
1,2,4-Trichlorobenzene	87		89		70-130	2		20
Methyl Acetate	84		85		70-130	1		20
Cyclohexane	98		98		70-130	0		20
1,4-Dioxane	82		72		56-162	13		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	95		94		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		97		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	97		96		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 22 Batch: WG1698000-3 WG1698000-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	100		99		70-130	1		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	98		100		70-130	2		20
Dibromochloromethane	100		110		63-130	10		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	93		96		70-130	3		20
Chlorobenzene	99		100		75-130	1		20
Trichlorofluoromethane	140		130		62-150	7		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	98		100		67-130	2		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	99		99		70-130	0		20
Bromoform	90		95		54-136	5		20
1,1,2,2-Tetrachloroethane	99		100		67-130	1		20
Benzene	100		100		70-130	0		20
Toluene	98		97		70-130	1		20
Ethylbenzene	94		95		70-130	1		20
Chloromethane	86		88		64-130	2		20
Bromomethane	65		68		39-139	5		20
Vinyl chloride	110		100		55-140	10		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 22 Batch: WG1698000-3 WG1698000-4								
Chloroethane	170	Q	160	Q	55-138	6		20
1,1-Dichloroethene	91		95		61-145	4		20
trans-1,2-Dichloroethene	96		96		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	96		100		70-130	4		20
1,3-Dichlorobenzene	96		99		70-130	3		20
1,4-Dichlorobenzene	96		96		70-130	0		20
Methyl tert butyl ether	88		89		63-130	1		20
p/m-Xylene	90		95		70-130	5		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	98		98		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	120		110		36-147	9		20
Acetone	100		100		58-148	0		20
Carbon disulfide	96		95		51-130	1		20
2-Butanone	100		92		63-138	8		20
4-Methyl-2-pentanone	78		86		59-130	10		20
2-Hexanone	76		78		57-130	3		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	93		100		41-144	7		20
Isopropylbenzene	88		91		70-130	3		20
1,2,3-Trichlorobenzene	95		100		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 22 Batch: WG1698000-3 WG1698000-4								
1,2,4-Trichlorobenzene	94		97		70-130	3		20
Methyl Acetate	89		93		70-130	4		20
Cyclohexane	89		87		70-130	2		20
1,4-Dioxane	126		128		56-162	2		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	94		95		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		110		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	97		93		70-130
Dibromofluoromethane	112		110		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Dissolved Gases by GC - Mansfield Lab 092722 Associated sample(s): 13-15,21-23 QC Batch ID: WG1695604-5 QC Sample: L2253332-15 Client ID: MW0610-5-													
Methane	2420	54.6	2630	385	Q	-	-		80-120	-		25	A
Ethene	0.884	95.5	79.7	82		-	-		80-120	-		25	A
Ethane	2.61	102	85.6	81		-	-		80-120	-		25	A

Project Name: GARLOCK

Project Number: 12578577

Lab Duplicate Analysis **Batch Quality Control**

Lab Number: L2253332

Report Date: 10/20/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Gases by GC - Mansfield Lab Associated sample(s): 13-15,21-23 QC Batch ID: WG1695604-4 QC Sample: L2253332-21 Client ID: MW0610-1-092722						
Methane	2930	3180	ug/l	8		25 A
Ethene	16.1	17.3	ug/l	7		25 A
Ethane	17.1	19.0	ug/l	11		25 A

METALS

Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-13

Date Collected: 09/27/22 10:25

Client ID: MW0610-4-092722

Date Received: 09/27/22

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	6.90		mg/l	0.0500	0.0191	1	09/28/22 11:40	10/17/22 08:45	EPA 3005A	1,6020B	SV
Magnesium, Total	48.7		mg/l	0.0700	0.0242	1	09/28/22 11:40	10/17/22 08:45	EPA 3005A	1,6020B	SV
Manganese, Total	0.8202		mg/l	0.00100	0.00044	1	09/28/22 11:40	10/17/22 08:45	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	754.2		mg/l	0.5400	NA	1	09/28/22 11:40	10/17/22 08:45	EPA 3005A	1,6020B	SV



Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-14

Date Collected: 09/27/22 10:50

Client ID: MW0811-2-092722

Date Received: 09/27/22

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	3.50		mg/l	0.0500	0.0191	1	09/28/22 11:40	10/17/22 08:50	EPA 3005A	1,6020B	SV
Magnesium, Total	24.2		mg/l	0.0700	0.0242	1	09/28/22 11:40	10/17/22 08:50	EPA 3005A	1,6020B	SV
Manganese, Total	0.8048		mg/l	0.00100	0.00044	1	09/28/22 11:40	10/17/22 08:50	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	397.3		mg/l	0.5400	NA	1	09/28/22 11:40	10/17/22 08:50	EPA 3005A	1,6020B	SV



Project Name: GARLOCK**Lab Number:** L2253332**Project Number:** 12578577**Report Date:** 10/20/22**SAMPLE RESULTS**

Lab ID: L2253332-15

Date Collected: 09/27/22 11:15

Client ID: MW0610-5-092722

Date Received: 09/27/22

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	1.28		mg/l	0.0500	0.0191	1	09/28/22 11:40	10/17/22 08:55	EPA 3005A	1,6020B	SV
Magnesium, Total	52.0		mg/l	0.0700	0.0242	1	09/28/22 11:40	10/17/22 08:55	EPA 3005A	1,6020B	SV
Manganese, Total	0.2803		mg/l	0.00100	0.00044	1	09/28/22 11:40	10/17/22 08:55	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	1048.		mg/l	0.5400	NA	1	09/28/22 11:40	10/17/22 08:55	EPA 3005A	1,6020B	SV



Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-21

Date Collected: 09/27/22 14:00

Client ID: MW0610-1-092722

Date Received: 09/27/22

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	20.6		mg/l	0.0500	0.0191	1	09/28/22 11:40	10/17/22 09:01	EPA 3005A	1,6020B	SV
Magnesium, Total	150.		mg/l	0.0700	0.0242	1	09/28/22 11:40	10/17/22 09:01	EPA 3005A	1,6020B	SV
Manganese, Total	1.464		mg/l	0.00100	0.00044	1	09/28/22 11:40	10/17/22 09:01	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	1743.		mg/l	0.5400	NA	1	09/28/22 11:40	10/17/22 09:01	EPA 3005A	1,6020B	SV



Project Name: GARLOCK**Lab Number:** L2253332**Project Number:** 12578577**Report Date:** 10/20/22**SAMPLE RESULTS**

Lab ID: L2253332-22

Date Collected: 09/27/22 14:05

Client ID: MW0811-01-092722

Date Received: 09/27/22

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	21.4		mg/l	0.0500	0.0191	1	09/28/22 11:40	10/17/22 09:06	EPA 3005A	1,6020B	SV
Magnesium, Total	141.		mg/l	0.700	0.242	10	09/28/22 11:40	10/17/22 10:29	EPA 3005A	1,6020B	SV
Manganese, Total	0.8683		mg/l	0.00100	0.00044	1	09/28/22 11:40	10/17/22 09:06	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	2070.		mg/l	5.400	NA	10	09/28/22 11:40	10/17/22 10:29	EPA 3005A	1,6020B	SV



Project Name: GARLOCK**Lab Number:** L2253332**Project Number:** 12578577**Report Date:** 10/20/22**SAMPLE RESULTS**

Lab ID: L2253332-23

Date Collected: 09/27/22 14:30

Client ID: MW-63-092722

Date Received: 09/27/22

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	8.56		mg/l	0.0500	0.0191	1	09/28/22 11:40	10/17/22 09:11	EPA 3005A	1,6020B	SV
Magnesium, Total	152.		mg/l	0.700	0.242	10	09/28/22 11:40	10/17/22 10:34	EPA 3005A	1,6020B	SV
Manganese, Total	1.125		mg/l	0.00100	0.00044	1	09/28/22 11:40	10/17/22 09:11	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	2267.		mg/l	5.400	NA	10	09/28/22 11:40	10/17/22 10:34	EPA 3005A	1,6020B	SV



Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

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): 13-15,21-23 Batch: WG1693015-1									
Iron, Total	ND	mg/l	0.0500	0.0191	1	09/28/22 11:40	10/11/22 11:40	1,6020B	??
Magnesium, Total	ND	mg/l	0.0700	0.0242	1	09/28/22 11:40	10/11/22 11:40	1,6020B	??
Manganese, Total	ND	mg/l	0.00100	0.00044	1	09/28/22 11:40	10/11/22 11:40	1,6020B	??

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: WG1693015-1									
Hardness	ND	mg/l	0.5400	NA	1	09/28/22 11:40	10/11/22 11:40	1,6020B	??

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577

Lab Number: L2253332
Report Date: 10/20/22

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: WG1693015-2								
Iron, Total	110		-		80-120	-		
Magnesium, Total	111		-		80-120	-		
Manganese, Total	106		-		80-120	-		
Total Hardness (by calculation) - Mansfield Lab Associated sample(s): 13-15,21-23 Batch: WG1693015-2								
Hardness	108		-		80-120	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577

Lab Number: L2253332
Report Date: 10/20/22

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): 13-15,21-23 QC Batch ID: WG1693015-3 QC Sample: L2253329-01 Client ID: MS Sample												
Iron, Total	4.28	1	5.20	92		-	-		75-125	-		20
Magnesium, Total	40.8	10	51.5	107		-	-		75-125	-		20
Manganese, Total	0.9590	0.5	1.452	99		-	-		75-125	-		20
Total Hardness (by calculation) - Mansfield Lab Associated sample(s): 13-15,21-23 QC Batch ID: WG1693015-3 QC Sample: L2253329-01 Client ID: MS Sample												
Hardness	794.5	66.2	836.1	63	Q	-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 13-15,21-23 QC Batch ID: WG1693015-4 QC Sample: L2253329-01 Client ID: DUP Sample						
Iron, Total	4.28	4.32	mg/l	1		20
Manganese, Total	0.9590	0.9538	mg/l	1		20

INORGANICS & MISCELLANEOUS

Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-08

Client ID: OW-1-092722

Sample Location: PALMYRA,NY

Date Collected: 09/27/22 12:00

Date Received: 09/27/22

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	33.		mg/l	10	2.7	1	10/14/22 16:40	10/14/22 19:16	44,410.4	TLH
Total Organic Carbon	1.02		mg/l	0.500	0.097	1	-	10/11/22 08:56	121,5310C	SMD



Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-09

Date Collected: 09/27/22 12:15

Client ID: OW-3/AOC-2-092722

Date Received: 09/27/22

Sample Location: PALMYRA,NY

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	48.		mg/l	10	2.7	1	10/14/22 16:40	10/14/22 19:16	44,410.4	TLH
Total Organic Carbon	4.22		mg/l	0.500	0.097	1	-	10/11/22 08:56	121,5310C	SMD



Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-10

Date Collected: 09/27/22 12:35

Client ID: OW-4/MW-28-092722

Date Received: 09/27/22

Sample Location: PALMYRA,NY

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	18.		mg/l	10	2.7	1	10/14/22 16:40	10/14/22 19:16	44,410.4	TLH
Total Organic Carbon	0.900		mg/l	0.500	0.097	1	-	10/11/22 08:56	121,5310C	SMD



Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-11

Client ID: OW-5-092722

Sample Location: PALMYRA,NY

Date Collected: 09/27/22 12:30

Date Received: 09/27/22

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	33.		mg/l	10	2.7	1	10/14/22 16:40	10/14/22 19:16	44,410.4	TLH
Total Organic Carbon	1.37		mg/l	1.00	0.194	2	-	10/11/22 08:56	121,5310C	SMD



Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-12

Date Collected: 09/27/22 12:05

Client ID: OW-2/MW-41-092722

Date Received: 09/27/22

Sample Location: PALMYRA,NY

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	22.		mg/l	10	2.7	1	10/14/22 16:40	10/14/22 19:17	44,410.4	TLH
Total Organic Carbon	2.96		mg/l	1.00	0.194	2	-	10/11/22 08:56	121,5310C	SMD



Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-13

Client ID: MW0610-4-092722

Sample Location: PALMYRA,NY

Date Collected: 09/27/22 10:25

Date Received: 09/27/22

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	534.		mg CaCO3/L	2.00	NA	1	-	10/08/22 07:56	121,2320B	MRM
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	09/28/22 07:22	44,353.2	KAF
Chemical Oxygen Demand	64.		mg/l	10	2.7	1	10/14/22 16:40	10/14/22 19:17	44,410.4	TLH
BOD, 5 day	15.		mg/l	4.0	NA	2	09/29/22 10:15	10/04/22 07:50	121,5210B	MT
Total Organic Carbon	5.30		mg/l	2.00	0.388	4	-	10/11/22 08:56	121,5310C	SMD
Anions by Ion Chromatography - Westborough Lab										
Chloride	1830		mg/l	50.0	8.39	100	-	10/18/22 00:24	44,300.0	SH,
Sulfate	157.		mg/l	100	45.4	100	-	10/18/22 00:24	44,300.0	SH,



Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-14

Client ID: MW0811-2-092722

Sample Location: PALMYRA,NY

Date Collected: 09/27/22 10:50

Date Received: 09/27/22

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	639.		mg CaCO3/L	2.00	NA	1	-	10/08/22 07:56	121,2320B	MRM
Nitrogen, Nitrate	0.30		mg/l	0.10	0.023	1	-	09/28/22 07:24	44,353.2	KAF
Chemical Oxygen Demand	100		mg/l	10	2.7	1	10/14/22 16:40	10/14/22 19:17	44,410.4	TLH
BOD, 5 day	ND		mg/l	2.0	NA	1	09/29/22 10:15	10/04/22 07:50	121,5210B	MT
Total Organic Carbon	5.88		mg/l	2.00	0.388	4	-	10/11/22 08:56	121,5310C	SMD
Anions by Ion Chromatography - Westborough Lab										
Chloride	1580		mg/l	50.0	8.39	100	-	10/18/22 00:57	44,300.0	SH,
Sulfate	49.5	J	mg/l	100	45.4	100	-	10/18/22 00:57	44,300.0	SH,



Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-15

Client ID: MW0610-5-092722

Sample Location: PALMYRA,NY

Date Collected: 09/27/22 11:15

Date Received: 09/27/22

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	575.		mg CaCO3/L	2.00	NA	1	-	10/08/22 07:56	121,2320B	MRM
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	09/28/22 07:25	44,353.2	KAF
Chemical Oxygen Demand	110		mg/l	10	2.7	1	10/14/22 16:40	10/14/22 19:18	44,410.4	TLH
BOD, 5 day	100		mg/l	10	NA	5	09/29/22 10:45	10/04/22 07:50	121,5210B	MT
Total Organic Carbon	6.65		mg/l	2.00	0.388	4	-	10/11/22 08:56	121,5310C	SMD
Anions by Ion Chromatography - Westborough Lab										
Chloride	1090		mg/l	25.0	4.20	50	-	10/18/22 00:13	44,300.0	SH,
Sulfate	371.		mg/l	50.0	22.7	50	-	10/18/22 00:13	44,300.0	SH,



Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-16

Date Collected: 09/27/22 09:25

Client ID: OW-3-092722

Date Received: 09/27/22

Sample Location: PALMYRA,NY

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	10/14/22 16:40	10/14/22 19:18	44,410.4	TLH
Total Organic Carbon	1.31		mg/l	0.500	0.097	1	-	10/11/22 08:56	121,5310C	SMD



Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-17

Client ID: OW-4-092722

Sample Location: PALMYRA,NY

Date Collected: 09/27/22 09:50

Date Received: 09/27/22

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	10/14/22 16:40	10/14/22 19:08	44,410.4	TLH
Total Organic Carbon	2.98		mg/l	1.00	0.194	2	-	10/11/22 08:56	121,5310C	SMD



Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-18

Date Collected: 09/27/22 10:25

Client ID: OW-6/MW-3-092722

Date Received: 09/27/22

Sample Location: PALMYRA,NY

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	440		mg/l	100	27.	10	10/14/22 16:40	10/14/22 19:08	44,410.4	TLH
Total Organic Carbon	3.05		mg/l	1.00	0.194	2	-	10/11/22 08:56	121,5310C	SMD



Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-19

Date Collected: 09/27/22 10:55

Client ID: OW-7/MW-27-092722

Date Received: 09/27/22

Sample Location: PALMYRA,NY

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	10	2.7	1	10/14/22 16:40	10/14/22 19:08	44,410.4	TLH
Total Organic Carbon	2.39		mg/l	1.00	0.194	2	-	10/11/22 08:56	121,5310C	SMD



Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-20

Client ID: PTOW1-1-092722

Sample Location: PALMYRA,NY

Date Collected: 09/27/22 12:00

Date Received: 09/27/22

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	400		mg/l	100	27.	10	10/14/22 16:40	10/14/22 19:09	44,410.4	TLH
Total Organic Carbon	2.94		mg/l	1.00	0.194	2	-	10/11/22 08:56	121,5310C	SMD



Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-21

Client ID: MW0610-1-092722

Sample Location: PALMYRA,NY

Date Collected: 09/27/22 14:00

Date Received: 09/27/22

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	325.		mg CaCO3/L	2.00	NA	1	-	10/09/22 23:17	121,2320B	MRM
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	09/28/22 07:30	44,353.2	KAF
Chemical Oxygen Demand	240		mg/l	100	27.	10	10/14/22 16:40	10/14/22 19:09	44,410.4	TLH
BOD, 5 day	ND		mg/l	4.0	NA	2	09/29/22 13:59	10/04/22 17:36	121,5210B	MT
Total Organic Carbon	1.27		mg/l	1.00	0.194	2	-	10/11/22 08:56	121,5310C	SMD
Anions by Ion Chromatography - Westborough Lab										
Chloride	3380		mg/l	50.0	8.39	100	-	10/17/22 19:08	44,300.0	SH,
Sulfate	212.		mg/l	100	45.4	100	-	10/17/22 19:08	44,300.0	SH,



Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-22
 Client ID: MW0811-01-092722
 Sample Location: PALMYRA,NY

Date Collected: 09/27/22 14:05
 Date Received: 09/27/22
 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	374.		mg CaCO3/L	2.00	NA	1	-	10/09/22 23:17	121,2320B	MRM
Nitrogen, Nitrate	0.10		mg/l	0.10	0.023	1	-	09/28/22 07:31	44,353.2	KAF
Chemical Oxygen Demand	150		mg/l	100	27.	10	10/14/22 16:40	10/14/22 19:09	44,410.4	TLH
BOD, 5 day	14		mg/l	4.0	NA	2	09/29/22 13:59	10/04/22 16:15	121,5210B	MT
Total Organic Carbon	5.02		mg/l	2.00	0.388	4	-	10/11/22 08:56	121,5310C	SMD
Anions by Ion Chromatography - Westborough Lab										
Chloride	1400		mg/l	50.0	8.39	100	-	10/17/22 19:19	44,300.0	SH,
Sulfate	772.		mg/l	100	45.4	100	-	10/17/22 19:19	44,300.0	SH,



Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

SAMPLE RESULTS

Lab ID: L2253332-23

Client ID: MW-63-092722

Sample Location: PALMYRA,NY

Date Collected: 09/27/22 14:30

Date Received: 09/27/22

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	351.		mg CaCO3/L	2.00	NA	1	-	10/09/22 23:17	121,2320B	MRM
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	09/28/22 07:33	44,353.2	KAF
Chemical Oxygen Demand	72.		mg/l	10	2.7	1	10/14/22 16:40	10/14/22 19:10	44,410.4	TLH
BOD, 5 day	ND		mg/l	4.0	NA	2	09/29/22 14:28	10/04/22 16:15	121,5210B	MT
Total Organic Carbon	0.870	J	mg/l	1.00	0.194	2	-	10/12/22 10:51	121,5310C	SMD
Anions by Ion Chromatography - Westborough Lab										
Chloride	3750		mg/l	50.0	8.39	100	-	10/17/22 19:29	44,300.0	SH,
Sulfate	757.		mg/l	100	45.4	100	-	10/17/22 19:29	44,300.0	SH,



Project Name: GARLOCK

Lab Number: L2253332

Project Number: 12578577

Report Date: 10/20/22

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): 13-15,21-23 Batch: WG1692849-1										
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	09/28/22 07:08	44,353.2	KA
General Chemistry - Westborough Lab for sample(s): 13-14 Batch: WG1693648-1										
BOD, 5 day	ND		mg/l	2.0	NA	1	09/29/22 10:15	10/04/22 07:50	121,5210B	MT
General Chemistry - Westborough Lab for sample(s): 15 Batch: WG1693649-1										
BOD, 5 day	ND		mg/l	2.0	NA	1	09/29/22 10:45	10/04/22 07:50	121,5210B	MT
General Chemistry - Westborough Lab for sample(s): 21-22 Batch: WG1693651-1										
BOD, 5 day	ND		mg/l	2.0	NA	1	09/29/22 13:59	10/04/22 16:15	121,5210B	MT
General Chemistry - Westborough Lab for sample(s): 23 Batch: WG1693652-1										
BOD, 5 day	ND		mg/l	2.0	NA	1	09/29/22 14:28	10/04/22 16:15	121,5210B	MT
General Chemistry - Westborough Lab for sample(s): 13-15 Batch: WG1697034-1										
Alkalinity, Total	ND		mg CaCO3/L	2.00	NA	1	-	10/08/22 07:56	121,2320B	MR
General Chemistry - Westborough Lab for sample(s): 21-23 Batch: WG1697320-1										
Alkalinity, Total	ND		mg CaCO3/L	2.00	NA	1	-	10/09/22 23:17	121,2320B	MR
General Chemistry - Westborough Lab for sample(s): 08-22 Batch: WG1697873-1										
Total Organic Carbon	ND		mg/l	0.500	0.097	1	-	10/11/22 08:56	121,5310C	SM
General Chemistry - Westborough Lab for sample(s): 23 Batch: WG1698491-1										
Total Organic Carbon	ND		mg/l	0.500	0.097	1	-	10/12/22 10:51	121,5310C	SM
General Chemistry - Westborough Lab for sample(s): 08-16 Batch: WG1699647-1										
Chemical Oxygen Demand	6.6	J	mg/l	10	2.7	1	10/14/22 16:40	10/14/22 19:14	44,410.4	TL
General Chemistry - Westborough Lab for sample(s): 17-23 Batch: WG1699648-1										
Chemical Oxygen Demand	ND		mg/l	10	2.7	1	10/14/22 16:40	10/14/22 19:04	44,410.4	TL
Anions by Ion Chromatography - Westborough Lab for sample(s): 13-15,21-23 Batch: WG1700710-1										
Chloride	ND		mg/l	0.500	0.083	1	-	10/17/22 16:14	44,300.0	SH
Sulfate	ND		mg/l	1.00	0.454	1	-	10/17/22 16:14	44,300.0	SH

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

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: WG1692849-2								
Nitrogen, Nitrate	96		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 13-14 Batch: WG1693648-2								
BOD, 5 day	105		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 15 Batch: WG1693649-2								
BOD, 5 day	105		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 21-22 Batch: WG1693651-2								
BOD, 5 day	96		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 23 Batch: WG1693652-2								
BOD, 5 day	96		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 13-15 Batch: WG1697034-2								
Alkalinity, Total	101		-		90-110	-		10
General Chemistry - Westborough Lab Associated sample(s): 21-23 Batch: WG1697320-2								
Alkalinity, Total	93		-		90-110	-		10

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08-22 Batch: WG1697873-2					
Total Organic Carbon	98	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 23 Batch: WG1698491-2					
Total Organic Carbon	100	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 08-16 Batch: WG1699647-2					
Chemical Oxygen Demand	96	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 17-23 Batch: WG1699648-2					
Chemical Oxygen Demand	102	-	90-110	-	
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 13-15,21-23 Batch: WG1700710-2					
Chloride	104	-	90-110	-	
Sulfate	104	-	90-110	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

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): 13-15,21-23 QC Batch ID: WG1692849-4 QC Sample: L2253329-01 Client ID: MS Sample												
Nitrogen, Nitrate	ND	4	3.7	92		-	-		83-113	-		6
General Chemistry - Westborough Lab Associated sample(s): 13-14 QC Batch ID: WG1693648-4 QC Sample: L2253987-46 Client ID: MS Sample												
BOD, 5 day	ND	100	130	126		-	-		50-145	-		35
General Chemistry - Westborough Lab Associated sample(s): 15 QC Batch ID: WG1693649-4 QC Sample: L2253606-10 Client ID: MS Sample												
BOD, 5 day	ND	100	130	126		-	-		50-145	-		35
General Chemistry - Westborough Lab Associated sample(s): 21-22 QC Batch ID: WG1693651-4 QC Sample: L2253987-11 Client ID: MS Sample												
BOD, 5 day	5.7	100	130	124		-	-		50-145	-		35
General Chemistry - Westborough Lab Associated sample(s): 23 QC Batch ID: WG1693652-4 QC Sample: L2253606-09 Client ID: MS Sample												
BOD, 5 day	5.7	100	100	96		-	-		50-145	-		35
General Chemistry - Westborough Lab Associated sample(s): 13-15 QC Batch ID: WG1697034-4 QC Sample: L2253507-08 Client ID: MS Sample												
Alkalinity, Total	ND	100	99.0	99		-	-		86-116	-		10
General Chemistry - Westborough Lab Associated sample(s): 21-23 QC Batch ID: WG1697320-4 QC Sample: L2253256-02 Client ID: MS Sample												
Alkalinity, Total	40.4	100	121	81	Q	-	-		86-116	-		10
General Chemistry - Westborough Lab Associated sample(s): 08-22 QC Batch ID: WG1697873-3 QC Sample: L2255334-04 Client ID: MS Sample												
Total Organic Carbon	8.71	16	24.9	101		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 23 QC Batch ID: WG1698491-3 QC Sample: L2251647-01 Client ID: MS Sample												
Total Organic Carbon	76.1	160	236	100		-	-		80-120	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

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): 08-16 QC Batch ID: WG1699647-3 QC Sample: L2253020-01 Client ID: MS Sample									
Chemical Oxygen Demand	330	190	490	86	Q	-	90-110	-	20
General Chemistry - Westborough Lab Associated sample(s): 17-23 QC Batch ID: WG1699648-3 QC Sample: L2251647-06 Client ID: MS Sample									
Chemical Oxygen Demand	22.	47.6	66	92	-	-	90-110	-	20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 13-15,21-23 QC Batch ID: WG1700710-3 QC Sample: L2253332-15 Client ID: MW0610-5-092722									
Chloride	1090	200	1290	101	-	-	90-110	-	18
Sulfate	371.	400	794	106	-	-	90-110	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: GARLOCK

Project Number: 12578577

Lab Number: L2253332

Report Date: 10/20/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 13-15,21-23 QC Batch ID: WG1692849-3 QC Sample: L2253329-01 Client ID: DUP Sample						
Nitrogen, Nitrate	ND	ND	mg/l	NC		6
General Chemistry - Westborough Lab Associated sample(s): 13-14 QC Batch ID: WG1693648-3 QC Sample: L2253987-46 Client ID: DUP Sample						
BOD, 5 day	ND	ND	mg/l	NC		35
General Chemistry - Westborough Lab Associated sample(s): 15 QC Batch ID: WG1693649-3 QC Sample: L2253606-10 Client ID: DUP Sample						
BOD, 5 day	ND	ND	mg/l	NC		35
General Chemistry - Westborough Lab Associated sample(s): 21-22 QC Batch ID: WG1693651-3 QC Sample: L2253987-11 Client ID: DUP Sample						
BOD, 5 day	5.7	ND	mg/l	NC		35
General Chemistry - Westborough Lab Associated sample(s): 23 QC Batch ID: WG1693652-3 QC Sample: L2253606-09 Client ID: DUP Sample						
BOD, 5 day	5.7	ND	mg/l	NC		35
General Chemistry - Westborough Lab Associated sample(s): 13-15 QC Batch ID: WG1697034-3 QC Sample: L2253507-08 Client ID: DUP Sample						
Alkalinity, Total	ND	ND	mg CaCO3/L	NC		10
General Chemistry - Westborough Lab Associated sample(s): 21-23 QC Batch ID: WG1697320-3 QC Sample: L2253256-02 Client ID: DUP Sample						
Alkalinity, Total	40.4	40.8	mg CaCO3/L	1		10
General Chemistry - Westborough Lab Associated sample(s): 08-22 QC Batch ID: WG1697873-4 QC Sample: L2255334-04 Client ID: DUP Sample						
Total Organic Carbon	8.71	8.39	mg/l	4		20
General Chemistry - Westborough Lab Associated sample(s): 23 QC Batch ID: WG1698491-4 QC Sample: L2251647-01 Client ID: DUP Sample						
Total Organic Carbon	76.1	75.9	mg/l	0		20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: GARLOCK
Project Number: 12578577

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Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08-16 QC Batch ID: WG1699647-4 QC Sample: L2253020-01 Client ID: DUP Sample					
Chemical Oxygen Demand	330	280	mg/l	16	20
General Chemistry - Westborough Lab Associated sample(s): 17-23 QC Batch ID: WG1699648-4 QC Sample: L2251647-06 Client ID: DUP Sample					
Chemical Oxygen Demand	22.	22	mg/l	0	20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 13-15,21-23 QC Batch ID: WG1700710-4 QC Sample: L2253332-15 Client ID: MW0610-5-092722					
Chloride	1090	1090	mg/l	0	18
Sulfate	371.	382	mg/l	3	20

Project Name: GARLOCK**Lab Number:** L2253332**Project Number:** 12578577**Report Date:** 10/20/22**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(*)
L2253332-01A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-01B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-01C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-02A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-02B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-02C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-03A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-03B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-03C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-04A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-04B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-04C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-05A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-05B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-05C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-06A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-06B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-06C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-07A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-07B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-08A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-08B	Vial HCl preserved	A	NA		2.1	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(*)
L2253332-08C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-08D	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-08E	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-08F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.3	Y	Absent		COD-410-LOW(28)
L2253332-09A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-09B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-09C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-09D	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-09E	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-09F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.3	Y	Absent		COD-410-LOW(28)
L2253332-10A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-10B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-10C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-10D	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-10E	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-10F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.3	Y	Absent		COD-410-LOW(28)
L2253332-11A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-11B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-11C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-11D	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-11E	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-11F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.3	Y	Absent		COD-410-LOW(28)
L2253332-12A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-12B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-12C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-12D	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-12E	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-12F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.3	Y	Absent		COD-410-LOW(28)

Project Name: GARLOCK**Lab Number:** L2253332**Project Number:** 12578577**Report Date:** 10/20/22**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2253332-13A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-13B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-13C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-13D	20ml Vial HCl preserved	A	NA		2.1	Y	Absent		DISSGAS(14)
L2253332-13E	20ml Vial HCl preserved	A	NA		2.1	Y	Absent		DISSGAS(14)
L2253332-13F	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-13G	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-13H	Plastic 250ml unpreserved/No Headspace	A	NA		2.1	Y	Absent		ALK-T-2320(14)
L2253332-13I	Plastic 250ml HNO3 preserved	B	<2	<2	3.3	Y	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)
L2253332-13J	Plastic 250ml H2SO4 preserved	B	<2	<2	3.3	Y	Absent		COD-410-LOW(28)
L2253332-13K	Plastic 950ml unpreserved	B	7	7	3.3	Y	Absent		SO4-300(28),CL-300(28),NO3-353(2),BOD-5210(2)
L2253332-14A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-14B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-14C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-14D	20ml Vial HCl preserved	A	NA		2.1	Y	Absent		DISSGAS(14)
L2253332-14E	20ml Vial HCl preserved	A	NA		2.1	Y	Absent		DISSGAS(14)
L2253332-14F	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-14G	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-14H	Plastic 250ml unpreserved/No Headspace	A	NA		2.1	Y	Absent		ALK-T-2320(14)
L2253332-14I	Plastic 250ml HNO3 preserved	B	<2	<2	3.3	Y	Absent		FE-6020T(180),MN-6020T(180),MG-6020T(180),HARDT-6020(180)
L2253332-14J	Plastic 250ml H2SO4 preserved	B	<2	<2	3.3	Y	Absent		COD-410-LOW(28)
L2253332-14K	Plastic 950ml unpreserved	B	7	7	3.3	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2253332-15A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-15B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-15C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-15D	20ml Vial HCl preserved	A	NA		2.1	Y	Absent		DISSGAS(14)
L2253332-15E	20ml Vial HCl preserved	A	NA		2.1	Y	Absent		DISSGAS(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(*)
L2253332-15F	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-15G	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-15H	Plastic 250ml unpreserved/No Headspace	A	NA		2.1	Y	Absent		ALK-T-2320(14)
L2253332-15I	Plastic 250ml HNO3 preserved	B	<2	<2	3.3	Y	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)
L2253332-15J	Plastic 250ml H2SO4 preserved	B	<2	<2	3.3	Y	Absent		COD-410-LOW(28)
L2253332-15K	Plastic 950ml unpreserved	B	7	7	3.3	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2253332-16A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-16B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-16C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-16D	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-16E	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-16F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.3	Y	Absent		COD-410-LOW(28)
L2253332-17A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-17B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-17C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-17D	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-17E	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-17F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.3	Y	Absent		COD-410-LOW(28)
L2253332-18A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-18B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-18C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-18D	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-18E	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-18F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.3	Y	Absent		COD-410-LOW(28)
L2253332-19A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-19B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-19C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-19D	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(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(*)
L2253332-19E	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-19F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.3	Y	Absent		COD-410-LOW(28)
L2253332-20A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-20B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-20C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-20D	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-20E	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-20F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.3	Y	Absent		COD-410-LOW(28)
L2253332-21A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-21B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-21C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-21D	20ml Vial HCl preserved	A	NA		2.1	Y	Absent		DISSGAS(14)
L2253332-21E	20ml Vial HCl preserved	A	NA		2.1	Y	Absent		DISSGAS(14)
L2253332-21F	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-21G	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-21H	Plastic 250ml unpreserved/No Headspace	A	NA		2.1	Y	Absent		ALK-T-2320(14)
L2253332-21I	Plastic 250ml HNO3 preserved	A	<2	<2	2.1	Y	Absent		FE-6020T(180),MN-6020T(180),MG-6020T(180),HARDT-6020(180)
L2253332-21J	Plastic 250ml H2SO4 preserved	B	<2	<2	3.3	Y	Absent		COD-410-LOW(28)
L2253332-21K	Plastic 950ml unpreserved	B	7	7	3.3	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2253332-22A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-22B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-22C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-22D	20ml Vial HCl preserved	A	NA		2.1	Y	Absent		DISSGAS(14)
L2253332-22E	20ml Vial HCl preserved	A	NA		2.1	Y	Absent		DISSGAS(14)
L2253332-22F	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-22G	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-22H	Plastic 250ml unpreserved/No Headspace	A	NA		2.1	Y	Absent		ALK-T-2320(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(*)
L2253332-22I	Plastic 250ml HNO3 preserved	B	<2	<2	3.3	Y	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)
L2253332-22J	Plastic 250ml H2SO4 preserved	B	<2	<2	3.3	Y	Absent		COD-410-LOW(28)
L2253332-22K	Plastic 950ml unpreserved	B	7	7	3.3	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2253332-23A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-23B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-23C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2253332-23D	20ml Vial HCl preserved	A	NA		2.1	Y	Absent		DISSGAS(14)
L2253332-23E	20ml Vial HCl preserved	A	NA		2.1	Y	Absent		DISSGAS(14)
L2253332-23F	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-23G	Vial H2SO4 preserved	A	NA		2.1	Y	Absent		TOC-5310(28)
L2253332-23H	Plastic 250ml unpreserved/No Headspace	A	NA		2.1	Y	Absent		ALK-T-2320(14)
L2253332-23I	Plastic 250ml HNO3 preserved	B	<2	<2	3.3	Y	Absent		FE-6020T(180),MN-6020T(180),MG-6020T(180),HARDT-6020(180)
L2253332-23J	Plastic 250ml H2SO4 preserved	B	<2	<2	3.3	Y	Absent		COD-410-LOW(28)
L2253332-23K	Plastic 950ml unpreserved	B	7	7	3.3	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)

Project Name: GARLOCK
Project Number: 12578577

Lab Number: L2253332
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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.

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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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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.

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

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Data Qualifiers

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.
- 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.)

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Project Number: 12578577

Lab Number: L2253332
Report Date: 10/20/22

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.



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 19

Department: **Quality Assurance**

Published Date: 4/2/2021 1:14:23 PM

Title: **Certificate/Approval Program Summary**

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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>		Date Rec'd in Lab <u>9/28/22</u>		ALPHA Job # <u>L2253332</u>																																																																																																																																																																																																																																																																																																																																
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Client Information Client: <u>GHD</u> Address: <u>One Beemington Park Dr</u> <u>Cazenovia, NY 13035</u> Phone: <u>315-679-5732</u> Fax: <u></u> Email: <u>Jen.McNamara@GHD.com</u>		Project Information Project Name: <u>Garlock AOC3 AOC4 Toluene Area</u> Project Location: <u>Palmira NY</u> Project # <u>State of NY 12578577</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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Relinquished By: <u>T Kawali, L-2 GHD</u> <u>SECURE STORAGE AAL</u> <u>R Cunningham AAL</u>		Date/Time: <u>9/27/22 14:39</u> <u>9/27/22 16:55</u> <u>9/27/22 16:55</u>		Received By: <u>SECURE STORAGE AAL</u> <u>R Cunningham AAL</u> <u></u>		Date/Time: <u>9/27/22 14:39</u> <u>9/27/22 16:55</u> <u>9/28/22 0100</u>																																																																																																																																																																																																																																																																																																																																		

 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 <u>2</u> of <u>5</u>		Date Rec'd in Lab <u>9/28/22</u>		ALPHA Job # <u>L2253332</u>							
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: <u>Garlock AOC-2</u> Project Location: <u>Palmira NY</u> Project # <u>8015040 12578577</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 Dr</u> <u>Cazenovia, NY 13035</u> Phone: <u>315-679-5732</u> Fax: Email: <u>Ian.McVay@GHD.com</u>		Project Manager: 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 ☒				ANALYSIS				Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)		Total Bottles					
Other project specific requirements/comments:				TEL VOCs TOC COD				Sample Specific Comments							
Please specify Metals or TAL.		ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials		TEL VOCs TOC COD		Sample Specific Comments	
58332-08		OW-1-042722		9/27/22 1200		GW		DJT		X X X		X X X		KM	
09		OW-2/MW-41-092722		9/27/22		GW		JK		X X X		X X X		KM	
D9 10		OW-3/AOC-2-092722		9/27/22 0925125		GW		JK		X X X		X X X		KM	
10		OW-4/MW-28-092722		9/27/22 0950125		GW		JK		X X X		X X X		KM	
11		KGW-5/OW-5-092722		9/27/22 1230		GW		DJT		X X X		X X X		KM	
12		OW-2/MW-41-092722		9/27/22 1205		GW		JK		X X X		X X X		KM	
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		V V P B D D		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:		Date/Time		Received By:		Date/Time		Relinquished By:		Date/Time		Received By:		Date/Time	
Jacob Kowalski		9/27/22 14:38		SECURE STORAGE AAL		9/27/22 14:38		R Cunningham		9/27/22 16:55		R Cunningham		9/27/22 16:55	
SECURE STORAGE AAL		9/27/22 16:55		R Cunningham		9/27/22 16:55		R Cunningham		9/27/22 16:55		R Cunningham		9/27/22 16:55	
R Cunningham		9/27/22 16:55		R Cunningham		9/27/22 16:55		R Cunningham		9/27/22 16:55		R Cunningham		9/27/22 16:55	

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		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>3</u> of <u>5</u>		Date Rec'd in Lab <u>9/28/22</u>		ALPHA Job # <u>L2253332</u>	
		Project Information Project Name: <u>Gardick Carbon Ret. Area</u> Project Location: <u>Palmira NY</u> Project # <u>SL514 QSD 12578577</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 Dr</u> <u>Cazenovia NY 13035</u> Phone: <u>315 675 5732</u> Fax: <u></u> Email: <u>Jen.McNernia@GHD.com</u>		Project Manager: 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 ☒						ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)	
Other project specific requirements/comments: <u>Metals Fe, Mg, Mn</u> Please specify Metals or TAL.						TOL VOCs TOC COD BOD/C4504N03 ALK Diss Gases T. Metals/Hardness		Total Bottles	
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials	
53332-13		MW0610-4-092722		9/27/22 1025		GW		DST	
14		MW0811-2-092722		9/27/22 1050		GW		DST	
15		MW0610-5-092722		9/27/22 1115		GW		DST	
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		V V P P P V P B D D A A B C	
Relinquished By:		Date/Time		Received By:		Date/Time		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.)	
JLewicki GHD		9/27/22 14:30		SECURE STORAGE AAL		9/27/22 14:38			
SECURE STORAGE AAL		9/27/22 16:55		RCunningham AAL		9/27/22 16:55			
RCunningham AAL		9/27/22 16:55				9/28/22 01:00			

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 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>5</u> of <u>5</u>		Date Rec'd in Lab <u>9/28/22</u>		ALPHA Job # <u>L2253332</u>																																																																																																																																													
Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: <u>Garlock AOC-5</u> Project Location: <u>Palmira NY</u> Project # <u>8615190-50 12578577</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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4th Quarter 2022



ANALYTICAL REPORT

Lab Number:	L2271660
Client:	GHD, Inc. 5788 Widewaters Pkwy Syracuse, NY 13214
ATTN:	Ian McNamara
Phone:	(315) 802-0312
Project Name:	GARLOCK
Project Number:	12578577-2201
Report Date:	01/06/23

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: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2271660-01	MW0512-01-122022	WATER	PALMYRA, NY	12/20/22 13:20	12/20/22
L2271660-02	MW0512-02-122022	WATER	PALMYRA, NY	12/20/22 12:50	12/20/22
L2271660-03	MW0911-01-122022	WATER	PALMYRA, NY	12/20/22 13:15	12/20/22
L2271660-04	MW0911-02-122022	WATER	PALMYRA, NY	12/20/22 12:45	12/20/22
L2271660-05	IW-1-122022	WATER	PALMYRA, NY	12/20/22 09:30	12/20/22
L2271660-06	IW-2-122022	WATER	PALMYRA, NY	12/20/22 09:45	12/20/22
L2271660-07	TRIPBLANK-122022	WATER	PALMYRA, NY	12/20/22 00:00	12/20/22
L2271660-08	OW-1-122022	WATER	PALMYRA, NY	12/20/22 11:20	12/20/22
L2271660-09	OW-2/MW-41-122022	WATER	PALMYRA, NY	12/20/22 11:35	12/20/22
L2271660-10	OW-3/AOC-2-122022	WATER	PALMYRA, NY	12/20/22 11:45	12/20/22
L2271660-11	OW-4/MW-28-122022	WATER	PALMYRA, NY	12/20/22 12:05	12/20/22
L2271660-12	OW-5-122022	WATER	PALMYRA, NY	12/20/22 12:15	12/20/22
L2271660-13	MW0610-4-122022	WATER	PALMYRA, NY	12/20/22 10:45	12/20/22
L2271660-14	MW0610-5-122022	WATER	PALMYRA, NY	12/20/22 10:00	12/20/22
L2271660-15	MW0811-02-122022	WATER	PALMYRA, NY	12/20/22 10:20	12/20/22
L2271660-16	MW0610-1-122022	WATER	PALMYRA, NY	12/20/22 13:50	12/20/22
L2271660-17	MW0811-01-122022	WATER	PALMYRA, NY	12/20/22 14:45	12/20/22
L2271660-18	MW-63-122022	WATER	PALMYRA, NY	12/20/22 14:10	12/20/22

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

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: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

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

L2271660-02: The collection date and time on the chain of custody was 20-DEC-22 12:50; however, the collection date/time on the container label was 20-DEC-22 12:45. At the client's request, the collection date/time is reported as 20-DEC-22 12:50.

L2271660-17: The collection date and time on the chain of custody was 20-DEC-22 14:10; however, the collection date/time on the container label was 20-DEC-22 14:45. At the client's request, the collection date/time is reported as 20-DEC-22 14:45.

L2271660-18: The collection date and time on the chain of custody was 20-DEC-22 14:45; however, the collection date/time on the container label was 20-DEC-22 14:10. At the client's request, the collection date/time is reported as 20-DEC-22 14:10.

The Project Name was specified by the client.

Dissolved Gases

L2271660-13, -14, -15, -16, and -17: The samples were collected in pre-preserved vials; however, the pH of the samples were determined to be greater than two.

Total Metals

The WG1729446 CCV recovery, associated with WG1726501-1, was above the acceptance criteria for hardness. Any associated samples with positive detections were re-analyzed under a passing CCV. The samples that were non-detect for these elements are reporting results from the original analyses.

Anions by Ion Chromatography

L2271660-15: The sample has an elevated detection limit for Sulfate due to the dilution required by the sample

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Case Narrative (continued)

matrix.

Total Organic Carbon

L2271660-18: The sample has an elevated detection limit due to the dilution required by the sample matrix.

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: 01/06/23

ORGANICS

VOLATILES

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-01 D
Client ID: MW0512-01-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 13:20
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/29/22 01:23
Analyst: AJK

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	600	J	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	ND		ug/l	1200	350	500
1,2-Dichloroethane	ND		ug/l	250	66.	500
1,1,1-Trichloroethane	1100	J	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	2300		ug/l	1200	350	500
Ethylbenzene	ND		ug/l	1200	350	500
Chloromethane	ND		ug/l	1200	350	500
Bromomethane	ND		ug/l	1200	350	500
Vinyl chloride	1900		ug/l	500	36.	500
Chloroethane	ND		ug/l	1200	350	500
1,1-Dichloroethene	88	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
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-01 D
Client ID: MW0512-01-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 13:20
Date Received: 12/20/22
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	600	J	ug/l	1200	350	500
o-Xylene	ND		ug/l	1200	350	500
cis-1,2-Dichloroethene	52000		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	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	101		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-02 D
Client ID: MW0512-02-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 12:50
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/29/22 01:47
Analyst: AJK

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	210		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	36	J	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	1800		ug/l	20	1.4	20
Chloroethane	29	J	ug/l	50	14.	20
1,1-Dichloroethene	ND		ug/l	10	3.4	20
trans-1,2-Dichloroethene	ND		ug/l	50	14.	20
Trichloroethene	24		ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-02 D
Client ID: MW0512-02-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 12:50
Date Received: 12/20/22
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	9.8	J	ug/l	200	7.9	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	102		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-03 D
Client ID: MW0911-01-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 13:15
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/29/22 02:10
Analyst: AJK

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	9.8	J	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	180		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	2.2	J	ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Trichloroethene	9.4		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-03 D
Client ID: MW0911-01-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 13:15
Date Received: 12/20/22
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	690		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	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	101		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-04
Client ID: MW0911-02-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 12:45
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/29/22 01:00
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	130		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	0.51	J	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	0.91		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	11		ug/l	0.50	0.16	1
Toluene	2.5		ug/l	2.5	0.70	1
Ethylbenzene	14		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	30		ug/l	1.0	0.07	1
Chloroethane	66		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	18		ug/l	2.5	0.70	1
Trichloroethene	0.60		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-04
Client ID: MW0911-02-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 12:45
Date Received: 12/20/22
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	4.9		ug/l	2.5	0.70	1
o-Xylene	18		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	81		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	1.8	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	3.3	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	12		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-05
Client ID: IW-1-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 09:30
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/30/22 20:02
Analyst: PID

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	8.4		ug/l	0.50	0.16	1
Toluene	22		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	0.60	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: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-05
Client ID: IW-1-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 09:30
Date Received: 12/20/22
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	30		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	140		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	90		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-06
Client ID: IW-2-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 09:45
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/28/22 20:46
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	4.7		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	15		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: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-06
Client ID: IW-2-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 09:45
Date Received: 12/20/22
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	2.2	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	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	2.7	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-07
Client ID: TRIPBLANK-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 00:00
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/28/22 20:23
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: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-07
Client ID: TRIPBLANK-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 00:00
Date Received: 12/20/22
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	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	101		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-08
Client ID: OW-1-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 11:20
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/28/22 21:09
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	8.1		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	0.18	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-08
Client ID: OW-1-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 11:20
Date Received: 12/20/22
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	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	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	101		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-09 D
Client ID: OW-2/MW-41-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 11:35
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/29/22 02:56
Analyst: AJK

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	120		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	4.1	J	ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	16	J	ug/l	25	7.0	10
Trichloroethene	1.8	J	ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-09 D
Client ID: OW-2/MW-41-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 11:35
Date Received: 12/20/22
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	1000		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	99		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	101		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-10 D2
Client ID: OW-3/AOC-2-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 11:45
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/30/22 21:12
Analyst: PID

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	4200		ug/l	50	3.6	50
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	98		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-10 D
Client ID: OW-3/AOC-2-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 11:45
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/29/22 03:19
Analyst: AJK

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	400		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	5400	E	ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	2.6	J	ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	27		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: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-10 D
Client ID: OW-3/AOC-2-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 11:45
Date Received: 12/20/22
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	1400		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	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	102		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-11
Client ID: OW-4/MW-28-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 12:05
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/28/22 21:32
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	42		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	130		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	0.40	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-11
Client ID: OW-4/MW-28-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 12:05
Date Received: 12/20/22
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	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	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-12
Client ID: OW-5-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 12:15
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/29/22 14:52
Analyst: MJV

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	110		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: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-12
Client ID: OW-5-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 12:15
Date Received: 12/20/22
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	6.3		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	101		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	99		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-13
Client ID: MW0610-4-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 10:45
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/30/22 20:25
Analyst: PID

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	0.32	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	0.10	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: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-13
Client ID: MW0610-4-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 10:45
Date Received: 12/20/22
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	7.7	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	93		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-13
Client ID: MW0610-4-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 10:45
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 12/27/22 11:09
Analyst: BJB

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	0.600		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-14
Client ID: MW0610-5-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 10:00
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/28/22 21:55
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	5.7		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	3.2		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: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-14
Client ID: MW0610-5-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 10:00
Date Received: 12/20/22
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	0.79	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	4.1		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	1.9	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	8.9	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	98		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-14
Client ID: MW0610-5-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 10:00
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 12/27/22 11:27
Analyst: BJB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	1620		ug/l	2.00	2.00	1	A
Ethene	ND		ug/l	0.500	0.500	1	A
Ethane	1.48		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-15
Client ID: MW0811-02-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 10:20
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/28/22 22:19
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	0.21	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: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-15
Client ID: MW0811-02-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 10:20
Date Received: 12/20/22
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	3.2	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-15
Client ID: MW0811-02-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 10:20
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 117,-
Analytical Date: 12/27/22 11:45
Analyst: BJB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	456		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: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-16
Client ID: MW0610-1-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 13:50
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/28/22 22:42
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	160		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.41	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.6	J	ug/l	2.5	0.70	1
Trichloroethene	2.8		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-16
Client ID: MW0610-1-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 13:50
Date Received: 12/20/22
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	150		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	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	101		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-16
Client ID: MW0610-1-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 13:50
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 12/27/22 12:03
Analyst: BJB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	1890		ug/l	2.00	2.00	1	A
Ethene	8.88		ug/l	0.500	0.500	1	A
Ethane	11.3		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-17
Client ID: MW0811-01-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 14:45
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/28/22 23:05
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	780	E	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	0.99	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
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-17
Client ID: MW0811-01-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 14:45
Date Received: 12/20/22
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	270	E	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	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	102		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-17
Client ID: MW0811-01-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 14:45
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 117,-
Analytical Date: 12/27/22 12:20
Analyst: BJB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	7780		ug/l	2.00	2.00	1	A
Ethene	38.1		ug/l	0.500	0.500	1	A
Ethane	41.1		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-17 D
Client ID: MW0811-01-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 14:45
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/30/22 20:48
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	920		ug/l	10	0.71	10
cis-1,2-Dichloroethene	270		ug/l	25	7.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	98		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-18
Client ID: MW-63-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 14:10
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/28/22 23:28
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	0.77	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	89		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.22	J	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: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-18
Client ID: MW-63-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 14:10
Date Received: 12/20/22
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	85		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	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	102		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-18
Client ID: MW-63-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 14:10
Date Received: 12/20/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 117,-
Analytical Date: 12/27/22 16:28
Analyst: BJB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Methane	287		ug/l	2.00	2.00	1	A
Ethene	10.3		ug/l	0.500	0.500	1	A
Ethane	3.98		ug/l	0.500	0.500	1	A

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 117,-
Analytical Date: 12/27/22 08:50
Analyst: BJB

Parameter	Result	Qualifier	Units	RL	MDL
Dissolved Gases by GC - Mansfield Lab for sample(s): 13-18 Batch: WG1727650-3					
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: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/28/22 19:59
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-11,14-18 Batch: WG1728746-5					
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: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/28/22 19:59
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-11,14-18 Batch: WG1728746-5					
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: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/28/22 19:59
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-11,14-18 Batch: WG1728746-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	101		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/29/22 08:50
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG1728886-5					
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: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 12/29/22 08:50
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG1728886-5					
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: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/29/22 08:50
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG1728886-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	99		70-130

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 12/30/22 19:16
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,10,13,17 Batch: WG1729600-5					
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: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/30/22 19:16
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,10,13,17 Batch: WG1729600-5					
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: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 12/30/22 19:16
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,10,13,17 Batch: WG1729600-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Dissolved Gases by GC - Mansfield Lab Associated sample(s): 13-18 Batch: WG1727650-2									
Methane	106		-		80-120	-		25	A
Ethene	100		-		80-120	-		25	A
Ethane	100		-		80-120	-		25	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-11,14-18 Batch: WG1728746-3 WG1728746-4								
Methylene chloride	97		98		70-130	1		20
1,1-Dichloroethane	94		93		70-130	1		20
Chloroform	96		97		70-130	1		20
Carbon tetrachloride	90		91		63-132	1		20
1,2-Dichloropropane	88		88		70-130	0		20
Dibromochloromethane	89		92		63-130	3		20
1,1,2-Trichloroethane	93		96		70-130	3		20
Tetrachloroethene	99		98		70-130	1		20
Chlorobenzene	98		99		75-130	1		20
Trichlorofluoromethane	95		95		62-150	0		20
1,2-Dichloroethane	92		94		70-130	2		20
1,1,1-Trichloroethane	96		97		67-130	1		20
Bromodichloromethane	88		90		67-130	2		20
trans-1,3-Dichloropropene	90		91		70-130	1		20
cis-1,3-Dichloropropene	87		87		70-130	0		20
Bromoform	84		86		54-136	2		20
1,1,2,2-Tetrachloroethane	97		98		67-130	1		20
Benzene	93		94		70-130	1		20
Toluene	97		98		70-130	1		20
Ethylbenzene	97		96		70-130	1		20
Chloromethane	95		94		64-130	1		20
Bromomethane	56		57		39-139	2		20
Vinyl chloride	89		88		55-140	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-11,14-18 Batch: WG1728746-3 WG1728746-4								
Chloroethane	100		97		55-138	3		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	98		99		70-130	1		20
Trichloroethene	86		87		70-130	1		20
1,2-Dichlorobenzene	94		95		70-130	1		20
1,3-Dichlorobenzene	96		97		70-130	1		20
1,4-Dichlorobenzene	95		95		70-130	0		20
Methyl tert butyl ether	87		91		63-130	4		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	94		95		70-130	1		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	100		99		36-147	1		20
Acetone	100		110		58-148	10		20
Carbon disulfide	100		99		51-130	1		20
2-Butanone	100		110		63-138	10		20
4-Methyl-2-pentanone	86		91		59-130	6		20
2-Hexanone	100		110		57-130	10		20
Bromochloromethane	96		98		70-130	2		20
1,2-Dibromoethane	98		98		70-130	0		20
1,2-Dibromo-3-chloropropane	84		85		41-144	1		20
Isopropylbenzene	100		98		70-130	2		20
1,2,3-Trichlorobenzene	90		91		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-11,14-18 Batch: WG1728746-3 WG1728746-4								
1,2,4-Trichlorobenzene	93		95		70-130	2		20
Methyl Acetate	94		97		70-130	3		20
Cyclohexane	100		98		70-130	2		20
1,4-Dioxane	90		84		56-162	7		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	97		98		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		104		70-130
Toluene-d8	104		105		70-130
4-Bromofluorobenzene	107		105		70-130
Dibromofluoromethane	97		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG1728886-3 WG1728886-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	110		100		70-130	10		20
Dibromochloromethane	99		100		63-130	1		20
1,1,2-Trichloroethane	96		96		70-130	0		20
Tetrachloroethene	97		98		70-130	1		20
Chlorobenzene	95		96		75-130	1		20
Trichlorofluoromethane	95		94		62-150	1		20
1,2-Dichloroethane	100		100		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	94		96		70-130	2		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
Bromoform	94		96		54-136	2		20
1,1,2,2-Tetrachloroethane	97		95		67-130	2		20
Benzene	97		96		70-130	1		20
Toluene	99		100		70-130	1		20
Ethylbenzene	97		98		70-130	1		20
Chloromethane	94		95		64-130	1		20
Bromomethane	65		64		39-139	2		20
Vinyl chloride	100		98		55-140	2		20

Lab Control Sample Analysis Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG1728886-3 WG1728886-4								
Chloroethane	95		96		55-138	1		20
1,1-Dichloroethene	92		91		61-145	1		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		99		70-130	1		20
1,2-Dichlorobenzene	96		95		70-130	1		20
1,3-Dichlorobenzene	96		95		70-130	1		20
1,4-Dichlorobenzene	94		92		70-130	2		20
Methyl tert butyl ether	93		94		63-130	1		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	80		80		70-130	0		20
Dichlorodifluoromethane	98		97		36-147	1		20
Acetone	100		110		58-148	10		20
Carbon disulfide	90		89		51-130	1		20
2-Butanone	110		110		63-138	0		20
4-Methyl-2-pentanone	86		91		59-130	6		20
2-Hexanone	91		97		57-130	6		20
Bromochloromethane	97		95		70-130	2		20
1,2-Dibromoethane	95		96		70-130	1		20
1,2-Dibromo-3-chloropropane	82		86		41-144	5		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: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG1728886-3 WG1728886-4								
1,2,4-Trichlorobenzene	96		94		70-130	2		20
Methyl Acetate	100		100		70-130	0		20
Cyclohexane	100		100		70-130	0		20
1,4-Dioxane	94		94		56-162	0		20
Freon-113	95		93		70-130	2		20
Methyl cyclohexane	96		96		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
Toluene-d8	99		101		70-130
4-Bromofluorobenzene	111		110		70-130
Dibromofluoromethane	101		99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,10,13,17 Batch: WG1729600-3 WG1729600-4								
Methylene chloride	97		97		70-130	0		20
1,1-Dichloroethane	94		93		70-130	1		20
Chloroform	92		91		70-130	1		20
Carbon tetrachloride	81		80		63-132	1		20
1,2-Dichloropropane	90		90		70-130	0		20
Dibromochloromethane	82		85		63-130	4		20
1,1,2-Trichloroethane	90		95		70-130	5		20
Tetrachloroethene	92		91		70-130	1		20
Chlorobenzene	95		95		75-130	0		20
Trichlorofluoromethane	70		69		62-150	1		20
1,2-Dichloroethane	86		88		70-130	2		20
1,1,1-Trichloroethane	88		88		67-130	0		20
Bromodichloromethane	84		84		67-130	0		20
trans-1,3-Dichloropropene	85		87		70-130	2		20
cis-1,3-Dichloropropene	83		84		70-130	1		20
Bromoform	78		80		54-136	3		20
1,1,2,2-Tetrachloroethane	93		100		67-130	7		20
Benzene	95		94		70-130	1		20
Toluene	97		96		70-130	1		20
Ethylbenzene	94		93		70-130	1		20
Chloromethane	98		94		64-130	4		20
Bromomethane	43		42		39-139	2		20
Vinyl chloride	88		84		55-140	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,10,13,17 Batch: WG1729600-3 WG1729600-4								
Chloroethane	82		77		55-138	6		20
1,1-Dichloroethene	99		96		61-145	3		20
trans-1,2-Dichloroethene	97		94		70-130	3		20
Trichloroethene	83		82		70-130	1		20
1,2-Dichlorobenzene	91		92		70-130	1		20
1,3-Dichlorobenzene	93		93		70-130	0		20
1,4-Dichlorobenzene	91		93		70-130	2		20
Methyl tert butyl ether	80		87		63-130	8		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	92		92		70-130	0		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	85		83		36-147	2		20
Acetone	94		100		58-148	6		20
Carbon disulfide	100		98		51-130	2		20
2-Butanone	99		110		63-138	11		20
4-Methyl-2-pentanone	80		91		59-130	13		20
2-Hexanone	97		110		57-130	13		20
Bromochloromethane	91		91		70-130	0		20
1,2-Dibromoethane	90		94		70-130	4		20
1,2-Dibromo-3-chloropropane	74		81		41-144	9		20
Isopropylbenzene	98		97		70-130	1		20
1,2,3-Trichlorobenzene	83		86		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,10,13,17 Batch: WG1729600-3 WG1729600-4								
1,2,4-Trichlorobenzene	86		88		70-130	2		20
Methyl Acetate	100		110		70-130	10		20
Cyclohexane	100		100		70-130	0		20
1,4-Dioxane	114		120		56-162	5		20
Freon-113	97		94		70-130	3		20
Methyl cyclohexane	90		92		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		99		70-130
Toluene-d8	106		105		70-130
4-Bromofluorobenzene	112		110		70-130
Dibromofluoromethane	95		95		70-130

METALS

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-13
Client ID: MW0610-4-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 10:45
Date Received: 12/20/22
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	3.26		mg/l	0.500	0.191	10	12/27/22 12:25	01/05/23 15:39	EPA 3005A	1,6020B	SV
Magnesium, Total	49.3		mg/l	0.700	0.242	10	12/27/22 12:25	01/05/23 15:39	EPA 3005A	1,6020B	SV
Manganese, Total	0.7086		mg/l	0.01000	0.00440	10	12/27/22 12:25	01/05/23 15:39	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	835.8		mg/l	5.400	NA	10	12/27/22 12:25	01/05/23 15:39	EPA 3005A	1,6020B	SV



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-14
Client ID: MW0610-5-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 10:00
Date Received: 12/20/22
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	2.17		mg/l	0.500	0.191	10	12/27/22 12:25	01/05/23 15:44	EPA 3005A	1,6020B	SV
Magnesium, Total	51.0		mg/l	0.700	0.242	10	12/27/22 12:25	01/05/23 15:44	EPA 3005A	1,6020B	SV
Manganese, Total	0.2448		mg/l	0.01000	0.00440	10	12/27/22 12:25	01/05/23 15:44	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	937.1		mg/l	5.400	NA	10	12/27/22 12:25	01/05/23 15:44	EPA 3005A	1,6020B	SV



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-15
Client ID: MW0811-02-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 10:20
Date Received: 12/20/22
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	1.21		mg/l	0.500	0.191	10	12/27/22 12:25	01/05/23 15:49	EPA 3005A	1,6020B	SV
Magnesium, Total	28.5		mg/l	0.700	0.242	10	12/27/22 12:25	01/05/23 15:49	EPA 3005A	1,6020B	SV
Manganese, Total	0.2058		mg/l	0.01000	0.00440	10	12/27/22 12:25	01/05/23 15:49	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	445.0		mg/l	5.400	NA	10	12/27/22 12:25	01/05/23 15:49	EPA 3005A	1,6020B	SV



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-16
Client ID: MW0610-1-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 13:50
Date Received: 12/20/22
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	9.35		mg/l	0.500	0.191	10	12/27/22 12:25	01/05/23 15:54	EPA 3005A	1,6020B	SV
Magnesium, Total	167.		mg/l	0.700	0.242	10	12/27/22 12:25	01/05/23 15:54	EPA 3005A	1,6020B	SV
Manganese, Total	1.241		mg/l	0.01000	0.00440	10	12/27/22 12:25	01/05/23 15:54	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	1842.		mg/l	5.400	NA	10	12/27/22 12:25	01/05/23 15:54	EPA 3005A	1,6020B	SV



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-17
 Client ID: MW0811-01-122022
 Sample Location: PALMYRA, NY

Date Collected: 12/20/22 14:45
 Date Received: 12/20/22
 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	6.07		mg/l	0.500	0.191	10	12/27/22 12:25	01/05/23 15:59	EPA 3005A	1,6020B	SV
Magnesium, Total	115.		mg/l	0.700	0.242	10	12/27/22 12:25	01/05/23 15:59	EPA 3005A	1,6020B	SV
Manganese, Total	0.6177		mg/l	0.01000	0.00440	10	12/27/22 12:25	01/05/23 15:59	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	2021.		mg/l	5.400	NA	10	12/27/22 12:25	01/05/23 15:59	EPA 3005A	1,6020B	SV



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-18
 Client ID: MW-63-122022
 Sample Location: PALMYRA, NY

Date Collected: 12/20/22 14:10
 Date Received: 12/20/22
 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	9.34		mg/l	0.500	0.191	10	12/27/22 12:25	01/05/23 16:03	EPA 3005A	1,6020B	SV
Magnesium, Total	167.		mg/l	0.700	0.242	10	12/27/22 12:25	01/05/23 16:03	EPA 3005A	1,6020B	SV
Manganese, Total	0.9642		mg/l	0.01000	0.00440	10	12/27/22 12:25	01/05/23 16:03	EPA 3005A	1,6020B	SV
Total Hardness (by calculation) - Mansfield Lab											
Hardness	2608.		mg/l	5.400	NA	10	12/27/22 12:25	01/05/23 16:03	EPA 3005A	1,6020B	SV



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

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): 13-18 Batch: WG1726501-1									
Iron, Total	ND	mg/l	0.0500	0.0191	1	12/27/22 12:25	01/03/23 22:36	1,6020B	NTB
Magnesium, Total	ND	mg/l	0.0700	0.0242	1	12/27/22 12:25	01/03/23 22:36	1,6020B	NTB
Manganese, Total	ND	mg/l	0.00100	0.00044	1	12/27/22 12:25	01/03/23 22:36	1,6020B	NTB

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): 13-18 Batch: WG1726501-1									
Hardness	ND	mg/l	0.5400	NA	1	12/27/22 12:25	01/03/23 22:36	1,6020B	NTB

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 13-18 Batch: WG1726501-2								
Iron, Total	105		-		80-120	-		
Magnesium, Total	111		-		80-120	-		
Manganese, Total	99		-		80-120	-		
Total Hardness (by calculation) - Mansfield Lab Associated sample(s): 13-18 Batch: WG1726501-2								
Hardness	106		-		80-120	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

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): 13-18 QC Batch ID: WG1726501-3 WG1726501-4 QC Sample: L2200082-145 Client ID: MS Sample												
Iron, Total	1.64	1	2.78	114		2.67	103		75-125	4		20
Magnesium, Total	2.97	10	13.7	107		14.3	113		75-125	4		20
Manganese, Total	0.3932	0.5	0.9040	102		0.9068	103		75-125	0		20
Total Hardness (by calculation) - Mansfield Lab Associated sample(s): 13-18 QC Batch ID: WG1726501-3 WG1726501-4 QC Sample: L2200082-145 Client ID: MS Sample												
Hardness	50.42	66.2	122.8	109		125.0	113		75-125	2		20

INORGANICS & MISCELLANEOUS

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-08
Client ID: OW-1-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 11:20
Date Received: 12/20/22
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	12.		mg/l	10	2.7	1	12/30/22 16:50	12/30/22 19:18	44,410.4	TLH
Total Organic Carbon	0.838		mg/l	0.500	0.097	1	-	01/04/23 07:48	121,5310C	DEW



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-09
Client ID: OW-2/MW-41-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 11:35
Date Received: 12/20/22
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	45.		mg/l	10	2.7	1	12/30/22 16:50	12/30/22 19:18	44,410.4	TLH
Total Organic Carbon	2.71		mg/l	0.500	0.097	1	-	01/04/23 08:09	121,5310C	DEW



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-10
Client ID: OW-3/AOC-2-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 11:45
Date Received: 12/20/22
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	36.		mg/l	10	2.7	1	12/30/22 16:50	12/30/22 19:19	44,410.4	TLH
Total Organic Carbon	4.39		mg/l	0.500	0.097	1	-	01/04/23 09:40	121,5310C	DEW



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-11
Client ID: OW-4/MW-28-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 12:05
Date Received: 12/20/22
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	43.		mg/l	10	2.7	1	12/30/22 16:50	12/30/22 19:19	44,410.4	TLH
Total Organic Carbon	0.752		mg/l	0.500	0.097	1	-	01/04/23 10:01	121,5310C	DEW



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-12
Client ID: OW-5-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 12:15
Date Received: 12/20/22
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	15.		mg/l	10	2.7	1	12/30/22 16:50	12/30/22 19:19	44,410.4	TLH
Total Organic Carbon	0.770		mg/l	0.500	0.097	1	-	01/04/23 10:22	121,5310C	DEW



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-13
Client ID: MW0610-4-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 10:45
Date Received: 12/20/22
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	419.		mg CaCO3/L	2.00	NA	1	-	01/02/23 03:29	121,2320B	MRM
Nitrogen, Nitrate	0.024	J	mg/l	0.10	0.023	1	-	12/22/22 03:10	44,353.2	KAF
Chemical Oxygen Demand	41.		mg/l	10	2.7	1	12/30/22 16:50	12/30/22 19:19	44,410.4	TLH
BOD, 5 day	9.7		mg/l	5.0	NA	2.5	12/22/22 08:55	12/27/22 07:50	121,5210B	MKT
Total Organic Carbon	3.32		mg/l	1.00	0.194	2	-	01/04/23 10:43	121,5310C	DEW
Anions by Ion Chromatography - Westborough Lab										
Chloride	1520		mg/l	50.0	8.39	100	-	01/03/23 23:48	44,300.0	AVT
Sulfate	136.		mg/l	100	45.4	100	-	01/03/23 23:48	44,300.0	AVT



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-14
Client ID: MW0610-5-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 10:00
Date Received: 12/20/22
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	414.		mg CaCO3/L	2.00	NA	1	-	01/02/23 03:29	121,2320B	MRM
Nitrogen, Nitrate	0.024	J	mg/l	0.10	0.023	1	-	12/22/22 03:11	44,353.2	KAF
Chemical Oxygen Demand	71.		mg/l	10	2.7	1	12/30/22 16:50	12/30/22 19:19	44,410.4	TLH
BOD, 5 day	15		mg/l	5.0	NA	2.5	12/22/22 08:55	12/27/22 07:50	121,5210B	MKT
Total Organic Carbon	3.52		mg/l	1.00	0.194	2	-	01/04/23 11:05	121,5310C	DEW
Anions by Ion Chromatography - Westborough Lab										
Chloride	1470		mg/l	50.0	8.39	100	-	01/03/23 23:59	44,300.0	AVT
Sulfate	224.		mg/l	100	45.4	100	-	01/03/23 23:59	44,300.0	AVT



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-15
Client ID: MW0811-02-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 10:20
Date Received: 12/20/22
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	582.		mg CaCO3/L	2.00	NA	1	-	01/02/23 03:29	121,2320B	MRM
Nitrogen, Nitrate	0.61		mg/l	0.10	0.023	1	-	12/22/22 03:16	44,353.2	KAF
Chemical Oxygen Demand	24.		mg/l	10	2.7	1	12/30/22 16:50	12/30/22 19:20	44,410.4	TLH
BOD, 5 day	2.3		mg/l	2.0	NA	1	12/22/22 08:55	12/27/22 07:50	121,5210B	MKT
Total Organic Carbon	3.61		mg/l	1.00	0.194	2	-	01/04/23 11:26	121,5310C	DEW
Anions by Ion Chromatography - Westborough Lab										
Chloride	968.		mg/l	50.0	8.39	100	-	01/04/23 00:10	44,300.0	AVT
Sulfate	96.6	J	mg/l	100	45.4	100	-	01/04/23 00:10	44,300.0	AVT



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-16
Client ID: MW0610-1-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 13:50
Date Received: 12/20/22
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	-	01/02/23 03:29	121,2320B	MRM
Nitrogen, Nitrate	0.066	J	mg/l	0.10	0.023	1	-	12/22/22 03:17	44,353.2	KAF
Chemical Oxygen Demand	110		mg/l	40	11.	4	12/30/22 16:50	12/30/22 19:20	44,410.4	TLH
BOD, 5 day	2.9		mg/l	2.0	NA	1	12/22/22 08:55	12/27/22 07:50	121,5210B	MKT
Total Organic Carbon	1.07		mg/l	1.00	0.194	2	-	01/04/23 11:47	121,5310C	DEW
Anions by Ion Chromatography - Westborough Lab										
Chloride	3030		mg/l	50.0	8.39	100	-	01/04/23 00:21	44,300.0	AVT
Sulfate	159.		mg/l	100	45.4	100	-	01/04/23 00:21	44,300.0	AVT



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-17
Client ID: MW0811-01-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 14:45
Date Received: 12/20/22
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	389.		mg CaCO3/L	2.00	NA	1	-	01/02/23 03:29	121,2320B	MRM
Nitrogen, Nitrate	0.19		mg/l	0.10	0.023	1	-	12/22/22 03:19	44,353.2	KAF
Chemical Oxygen Demand	41.		mg/l	40	11.	4	12/30/22 16:50	12/30/22 19:20	44,410.4	TLH
BOD, 5 day	15		mg/l	5.0	NA	2.5	12/22/22 08:55	12/27/22 07:50	121,5210B	MKT
Total Organic Carbon	2.45		mg/l	1.00	0.194	2	-	01/04/23 12:09	121,5310C	DEW
Anions by Ion Chromatography - Westborough Lab										
Chloride	1190		mg/l	50.0	8.39	100	-	01/04/23 00:32	44,300.0	AVT
Sulfate	690.		mg/l	100	45.4	100	-	01/04/23 00:32	44,300.0	AVT



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

SAMPLE RESULTS

Lab ID: L2271660-18
Client ID: MW-63-122022
Sample Location: PALMYRA, NY

Date Collected: 12/20/22 14:10
Date Received: 12/20/22
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	363.		mg CaCO3/L	2.00	NA	1	-	01/02/23 03:29	121,2320B	MRM
Nitrogen, Nitrate	0.046	J	mg/l	0.10	0.023	1	-	12/22/22 03:20	44,353.2	KAF
Chemical Oxygen Demand	59.		mg/l	10	2.7	1	12/30/22 16:50	12/30/22 19:23	44,410.4	TLH
BOD, 5 day	ND		mg/l	2.0	NA	1	12/22/22 08:55	12/27/22 07:50	121,5210B	MKT
Total Organic Carbon	0.848	J	mg/l	1.00	0.194	2	-	01/04/23 13:25	121,5310C	DEW
Anions by Ion Chromatography - Westborough Lab										
Chloride	3290		mg/l	50.0	8.39	100	-	01/04/23 00:43	44,300.0	AVT
Sulfate	649.		mg/l	100	45.4	100	-	01/04/23 00:43	44,300.0	AVT



Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

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): 13-18 Batch: WG1726356-1										
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	12/22/22 03:02	44,353.2	KAF
General Chemistry - Westborough Lab for sample(s): 13-18 Batch: WG1726458-1										
BOD, 5 day	ND		mg/l	2.0	NA	1	12/22/22 08:55	12/27/22 07:50	121,5210B	MKT
General Chemistry - Westborough Lab for sample(s): 08-18 Batch: WG1728987-1										
Chemical Oxygen Demand	ND		mg/l	10	2.7	1	12/30/22 16:50	12/30/22 19:16	44,410.4	TLH
General Chemistry - Westborough Lab for sample(s): 13-18 Batch: WG1729072-1										
Alkalinity, Total	ND		mg CaCO3/L	2.00	NA	1	-	01/02/23 03:29	121,2320B	MRM
Anions by Ion Chromatography - Westborough Lab for sample(s): 13-18 Batch: WG1729672-1										
Chloride	0.289	J	mg/l	0.500	0.083	1	-	01/03/23 19:59	44,300.0	AVT
Sulfate	ND		mg/l	1.00	0.454	1	-	01/03/23 19:59	44,300.0	AVT
General Chemistry - Westborough Lab for sample(s): 08-18 Batch: WG1729706-1										
Total Organic Carbon	ND		mg/l	0.500	0.097	1	-	01/04/23 05:16	121,5310C	DEW

Lab Control Sample Analysis

Batch Quality Control

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 13-18 Batch: WG1726356-2								
Nitrogen, Nitrate	100		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 13-18 Batch: WG1726458-2								
BOD, 5 day	105		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 08-18 Batch: WG1728987-2								
Chemical Oxygen Demand	100		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 13-18 Batch: WG1729072-2								
Alkalinity, Total	104		-		90-110	-		10
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 13-18 Batch: WG1729672-2								
Chloride	97		-		90-110	-		
Sulfate	100		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 08-18 Batch: WG1729706-2								
Total Organic Carbon	98		-		90-110	-		

Matrix Spike Analysis **Batch Quality Control**

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

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): 13-18				QC Batch ID: WG1726356-4			QC Sample: L2271787-01			Client ID: MS Sample		
Nitrogen, Nitrate	9.1	4	13	98		-	-		83-113	-		6
General Chemistry - Westborough Lab Associated sample(s): 13-18				QC Batch ID: WG1726458-4			QC Sample: L2271660-18			Client ID: MW-63-122022		
BOD, 5 day	ND	100	100	100		-	-		50-145	-		35
General Chemistry - Westborough Lab Associated sample(s): 08-18				QC Batch ID: WG1728987-3			QC Sample: L2271477-01			Client ID: MS Sample		
Chemical Oxygen Demand	7.9J	47.6	52	109		-	-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 13-18				QC Batch ID: WG1729072-4			QC Sample: L2272580-01			Client ID: MS Sample		
Alkalinity, Total	85.8	100	167	81	Q	-	-		86-116	-		10
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 13-18				QC Batch ID: WG1729672-3			QC Sample: L2271660-13			Client ID: MW0610-4-122022		
Chloride	1520	400	1900	96		-	-		90-110	-		18
Sulfate	136.	800	938	100		-	-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 08-18				QC Batch ID: WG1729706-4			QC Sample: L2271602-16			Client ID: MS Sample		
Total Organic Carbon	0.248J	16	14.3	89		-	-		80-120	-		20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660
Report Date: 01/06/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 13-18 QC Batch ID: WG1726356-3 QC Sample: L2271787-01 Client ID: DUP Sample						
Nitrogen, Nitrate	9.1	9.0	mg/l	1		6
General Chemistry - Westborough Lab Associated sample(s): 13-18 QC Batch ID: WG1726458-3 QC Sample: L2271660-18 Client ID: MW-63-122022						
BOD, 5 day	ND	ND	mg/l	NC		35
General Chemistry - Westborough Lab Associated sample(s): 08-18 QC Batch ID: WG1728987-4 QC Sample: L2271477-01 Client ID: DUP Sample						
Chemical Oxygen Demand	7.9J	3.2J	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 13-18 QC Batch ID: WG1729072-3 QC Sample: L2272580-01 Client ID: DUP Sample						
Alkalinity, Total	85.8	86.0	mg CaCO3/L	0		10
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 13-18 QC Batch ID: WG1729672-4 QC Sample: L2271660-13 Client ID: MW0610-4-122022						
Chloride	1520	1520	mg/l	0		18
Sulfate	136.	144	mg/l	6		20
General Chemistry - Westborough Lab Associated sample(s): 08-18 QC Batch ID: WG1729706-3 QC Sample: L2271602-16 Client ID: DUP Sample						
Total Organic Carbon	0.248J	0.262J	mg/l	NC		20

Project Name: GARLOCK
Project Number: 12578577-2201

Lab Number: L2271660**Report Date:** 01/06/23**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(*)
L2271660-01A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-01B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-01C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-02A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-02B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-02C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-03A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-03B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-03C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-04A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-04B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-04C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-05A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-05B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-05C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-06A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-06B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-06C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-07A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-07B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-08A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-08B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)

Project Name: GARLOCK
Project Number: 12578577-2201

Serial_No:01062310:55
Lab Number: L2271660
Report Date: 01/06/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2271660-08C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-08D	Vial H2SO4 preserved	A	NA		3.6	Y	Absent		TOC-5310(28)
L2271660-08E	Vial H2SO4 preserved	A	NA		3.6	Y	Absent		TOC-5310(28)
L2271660-08F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.2	Y	Absent		COD-410-LOW(28)
L2271660-09A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-09B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-09C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-09D	Vial H2SO4 preserved	A	NA		3.6	Y	Absent		TOC-5310(28)
L2271660-09E	Vial H2SO4 preserved	A	NA		3.6	Y	Absent		TOC-5310(28)
L2271660-09F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.2	Y	Absent		COD-410-LOW(28)
L2271660-10A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-10B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-10C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-10D	Vial H2SO4 preserved	A	NA		3.6	Y	Absent		TOC-5310(28)
L2271660-10E	Vial H2SO4 preserved	A	NA		3.6	Y	Absent		TOC-5310(28)
L2271660-10F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.2	Y	Absent		COD-410-LOW(28)
L2271660-11A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-11B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-11C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-11D	Vial H2SO4 preserved	A	NA		3.6	Y	Absent		TOC-5310(28)
L2271660-11E	Vial H2SO4 preserved	A	NA		3.6	Y	Absent		TOC-5310(28)
L2271660-11F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.2	Y	Absent		COD-410-LOW(28)
L2271660-12A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-12B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-12C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-12D	Vial H2SO4 preserved	A	NA		3.6	Y	Absent		TOC-5310(28)
L2271660-12E	Vial H2SO4 preserved	A	NA		3.6	Y	Absent		TOC-5310(28)
L2271660-12F	Plastic 250ml H2SO4 preserved	B	<2	<2	3.2	Y	Absent		COD-410-LOW(28)

Project Name: GARLOCK
Project Number: 12578577-2201

Serial_No:01062310:55
Lab Number: L2271660
Report Date: 01/06/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2271660-13A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-13B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-13C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-13D	Vial H2SO4 preserved	A	NA		3.6	Y	Absent		TOC-5310(28)
L2271660-13E	Vial H2SO4 preserved	A	NA		3.6	Y	Absent		TOC-5310(28)
L2271660-13F	20ml Vial HCl preserved	B	NA		3.2	Y	Absent		DISSGAS(14)
L2271660-13G	20ml Vial HCl preserved	B	NA		3.2	Y	Absent		DISSGAS(14)
L2271660-13H	Plastic 250ml unpreserved/No Headspace	B	NA		3.2	Y	Absent		ALK-T-2320(14)
L2271660-13I	Plastic 250ml H2SO4 preserved	B	<2	<2	3.2	Y	Absent		COD-410-LOW(28)
L2271660-13J	Plastic 500ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)
L2271660-13K	Plastic 250ml unpreserved	B	7	7	3.2	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2271660-14A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-14B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-14C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-14D	Vial H2SO4 preserved	A	NA		3.6	Y	Absent		TOC-5310(28)
L2271660-14E	Vial H2SO4 preserved	A	NA		3.6	Y	Absent		TOC-5310(28)
L2271660-14F	20ml Vial HCl preserved	B	NA		3.2	Y	Absent		DISSGAS(14)
L2271660-14G	20ml Vial HCl preserved	B	NA		3.2	Y	Absent		DISSGAS(14)
L2271660-14H	Plastic 250ml unpreserved/No Headspace	B	NA		3.2	Y	Absent		ALK-T-2320(14)
L2271660-14I	Plastic 250ml H2SO4 preserved	B	<2	<2	3.2	Y	Absent		COD-410-LOW(28)
L2271660-14J	Plastic 500ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)
L2271660-14K	Plastic 250ml unpreserved	B	7	7	3.2	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2271660-15A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-15B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-15C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-15D	Vial H2SO4 preserved	A	NA		3.6	Y	Absent		TOC-5310(28)
L2271660-15E	Vial H2SO4 preserved	A	NA		3.6	Y	Absent		TOC-5310(28)

Project Name: GARLOCK
Project Number: 12578577-2201

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2271660-15F	20ml Vial HCl preserved	B	NA		3.2	Y	Absent		DISSGAS(14)
L2271660-15G	20ml Vial HCl preserved	B	NA		3.2	Y	Absent		DISSGAS(14)
L2271660-15H	Plastic 250ml unpreserved/No Headspace	B	NA		3.2	Y	Absent		ALK-T-2320(14)
L2271660-15I	Plastic 250ml H2SO4 preserved	B	<2	<2	3.2	Y	Absent		COD-410-LOW(28)
L2271660-15J	Plastic 500ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		FE-6020T(180),MN-6020T(180),MG-6020T(180),HARDT-6020(180)
L2271660-15K	Plastic 250ml unpreserved	B	7	7	3.2	Y	Absent		SO4-300(28),CL-300(28),NO3-353(2),BOD-5210(2)
L2271660-16A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-16B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-16C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-16D	Vial H2SO4 preserved	A	NA		3.6	Y	Absent		TOC-5310(28)
L2271660-16E	Vial H2SO4 preserved	A	NA		3.6	Y	Absent		TOC-5310(28)
L2271660-16F	20ml Vial HCl preserved	B	NA		3.2	Y	Absent		DISSGAS(14)
L2271660-16G	20ml Vial HCl preserved	B	NA		3.2	Y	Absent		DISSGAS(14)
L2271660-16H	Plastic 250ml unpreserved/No Headspace	B	NA		3.2	Y	Absent		ALK-T-2320(14)
L2271660-16I	Plastic 250ml H2SO4 preserved	B	<2	<2	3.2	Y	Absent		COD-410-LOW(28)
L2271660-16J	Plastic 500ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		FE-6020T(180),MN-6020T(180),MG-6020T(180),HARDT-6020(180)
L2271660-16K	Plastic 250ml unpreserved	B	7	7	3.2	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2271660-17A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-17B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-17C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-17D	Vial H2SO4 preserved	A	NA		3.6	Y	Absent		TOC-5310(28)
L2271660-17E	Vial H2SO4 preserved	A	NA		3.6	Y	Absent		TOC-5310(28)
L2271660-17F	20ml Vial HCl preserved	B	NA		3.2	Y	Absent		DISSGAS(14)
L2271660-17G	20ml Vial HCl preserved	B	NA		3.2	Y	Absent		DISSGAS(14)
L2271660-17H	Plastic 250ml unpreserved/No Headspace	B	NA		3.2	Y	Absent		ALK-T-2320(14)
L2271660-17I	Plastic 250ml H2SO4 preserved	B	<2	<2	3.2	Y	Absent		COD-410-LOW(28)
L2271660-17J	Plastic 500ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)

Project Name: GARLOCK
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Serial_No: 01062310:55
Lab Number: L2271660
Report Date: 01/06/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2271660-17K	Plastic 250ml unpreserved	B	7	7	3.2	Y	Absent		SO4-300(28),CL-300(28),BOD-5210(2),NO3-353(2)
L2271660-18A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-18B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-18C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2271660-18D	Vial H2SO4 preserved	A	NA		3.6	Y	Absent		TOC-5310(28)
L2271660-18E	Vial H2SO4 preserved	A	NA		3.6	Y	Absent		TOC-5310(28)
L2271660-18F	20ml Vial HCl preserved	B	NA		3.2	Y	Absent		DISSGAS(14)
L2271660-18G	20ml Vial HCl preserved	B	NA		3.2	Y	Absent		DISSGAS(14)
L2271660-18H	Plastic 250ml unpreserved/No Headspace	B	NA		3.2	Y	Absent		ALK-T-2320(14)
L2271660-18I	Plastic 250ml H2SO4 preserved	B	<2	<2	3.2	Y	Absent		COD-410-LOW(28)
L2271660-18J	Plastic 500ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		FE-6020T(180),MN-6020T(180),HARDT-6020(180),MG-6020T(180)
L2271660-18K	Plastic 250ml unpreserved	B	7	7	3.2	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.

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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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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.

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

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Data Qualifiers

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.
- 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.)

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Lab Number: L2271660
Report Date: 01/06/23

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>4</u>		Date Rec'd in Lab <u>12/21/22</u>		ALPHA Job # <u>L2271660</u>																					
Client Information Client: <u>GHD</u> Address: <u>One Remington Dr</u> <u>Cazenovia NY 13035</u> Phone: <u>315 679 5732</u> Fax: <u></u> Email: <u>Jan.McNamee@GHD.com</u>		Project Information Project Name: <u>Garlock AOC-3 / AOC-4, Tally Lake Area</u> Project Location: <u>Palmyra NY</u> Project # <u>12575577-2201</u> (Use Project name as Project #) ☐ Project Manager: <u>Melissa Devo</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 ☐ EQUIS (1 File) ☒ EQUIS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO # <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: <u></u>																			
These samples have been previously analyzed by Alpha ☒										Other project specific requirements/comments: <u></u> <u></u> <u></u>																			
Please specify Metals or TAL.										ANALYSIS																			
ALPHA Lab ID (Lab Use Only)										Sample ID																			
Collection										Sample Matrix																			
Date										Time																			
Sampler's Initials										Sample Specific Comments																			
71660 -01 MW0512-01-122022 12/24/22 1320 GW KM X										71660 -02 MW0512-02-122022 12/24/22 1250 GW KM X																			
-03 MW0911-01-122022 12/20/22 1315 GW KM X										-04 MW0911-02-122022 12/20/22 1245 GW KM X																			
-05 IW-1-122022 12/24/22 0930 GW KM X										-06 IW-2-122022 12/20/22 0945 GW KM X																			
-07 TRIPBLANKS-122022 12/24/22 TBLB KM X																													
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									
Relinquished By: <u>R. Cunningham AAL</u>										Date/Time: <u>12/20/22 17:50</u>																			
Received By: <u>R. Cunningham AAL</u>										Date/Time: <u>12/21/22 00:30</u>																			
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.)																			

Page 109 of 111

Attachment D

NYSDEC EQulS Approvals

Carlene Eaton

From: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Sent: Friday, June 17, 2022 6:39 PM
To: Ian McNamara
Cc: Mumbrue, Tasha L (DEC)
Subject: RE: EDDs for Garlock Site No. 3 BCP Site (#C859028) - 1st Qtr. 2022 Groundwater Sampling

Ian,

Thank you for your EDD submission. NYSDEC has successfully uploaded the data from the EDDs "20220516 0952.C859028.NYSDEC_MERGE" and "20220516 1029.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: Monday, May 16, 2022 10:33 AM
To: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Cc: Mumbrue, Tasha L (DEC) <Tasha.Mumbrue@dec.ny.gov>
Subject: EDDs for Garlock Site No. 3 BCP Site (#C859028) - 1st Qtr. 2022 Groundwater 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 2022 groundwater sampling conducted at the site on March 29, 2022.

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

➔ **The Power of Commitment**

Connect

Carlene Eaton

From: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Sent: Tuesday, November 22, 2022 1:52 PM
To: Ian McNamara
Cc: Mumbrue, Tasha L (DEC)
Subject: RE: EDDs for Garlock Site No. 3 BCP Site (#C859028) - 2nd Qtr. 2022 Groundwater Sampling

Ian,

Thank you for your EDD submission. NYSDEC has successfully uploaded the data from the EDD "20221013 2245.C859028.NYSDEC_MERGE" and "20221013 2248.C859028.NYSDEC_MERGE" to Garlock Sealing Technologies Site No. 3 in the NYSDEC EQuIS 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: Thursday, October 13, 2022 10:51 PM
To: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Cc: Mumbrue, Tasha L (DEC) <Tasha.Mumbrue@dec.ny.gov>
Subject: EDDs for Garlock Site No. 3 BCP Site (#C859028) - 2nd Qtr. 2022 Groundwater 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 2nd Quarter 2022 groundwater sampling conducted at the site on June 28, 2022.

Please let me know if any edits are required or if the EDDs are acceptable.

Thanks,
Ian

Ian McNamara (he/him)
Senior Project Manager – Environment
Northeast Quality & Project Delivery Lead

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

➔ **The Power of Commitment**

Attachment E

OW-2 Vicinity Well Construction Logs

11-16-2011 J:\PROJECTS\N-xxxx\N1000\N1011 - Garlock Site No. 3\EQulS Database\AOC-1\OW-3 bor

			BORING LOG OW-3 (Page 1 of 1)		Total Boring Depth : 15-ft bgs Drilling Method : 4-1/4" H.S. Auger Drilling Equipment : B57 Hammer Wt./Drop : N/A Sampling Method : N/A Logged By : DJH Survey : LaBella Boring Location : Garlock : AOC-1 : South Toluene Area	
Garlock Sealing Technologies, Gylon Site 1666 Division Street Palmyra, New York			Date Started : 11/5/08 Time : 8:45am Date Completed : 11/5/08 Time : 10:00am Drilling Contractor : Parratt Wolff Driller : Doug T.			
Job No. N6008.69						
Depth in Feet	Surf. Elev.	Sample	Sample Condition		REMARKS	
			☒ No Recovery	☒ Recovery		
			DESCRIPTION			
0			Samples not taken. See Boring Log MW-26.			
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15			End of Boring			

OBSERVATION WELL: OW-3
Top PVC Elev:

Flush Mount Cover
Surface Casing
Bentonite Seal
2" PVC Riser
2" PVC 10-slot screen
#0 Sand Pack

BORING LOG OW-3 (Page 1 of 1)				
----------------------------------	--	--	--	--

11-16-2011 J:\PROJECTS\IN-xxxx\N1000\N1011 - Garlock Site No. 3\EQulS Database\AOC-1\OW-4.bor

			BORING LOG OW-4 (Page 1 of 1)		Total Boring Depth : 15-ft bgs Drilling Method : 4-1/4" H.S. Auger Drilling Equipment : B57 Hammer Wt./Drop : N/A Sampling Method : N/A Logged By : DJH Survey : LaBella Boring Location : Garlock : AOC-1 : East Toluene Area	
Garlock Sealing Technologies, Gylon Site 1666 Division Street Palmyra, New York			Date Started : 11/4/08 Time : 10:00am Date Completed : 11/4/08 Time : 11:00am Drilling Contractor : Parratt Wolff Driller : Doug T.			
Job No. N6008.69						
Depth in Feet	Surf. Elev.	Sample	Sample Condition		REMARKS	
			☒ No Recovery ☒ Recovery ☐ Not Sampled	DESCRIPTION		
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15			Samples not taken. See Boring Log MW-26.			Flush Mount Cover Surface Casing Bentonite Seal 2" PVC Riser 2" PVC 10-slot screen #0 Sand Pack
			End of Boring			

BORING LOG OW-4

(Page 1 of 1)

Garlock Sealing Technologies, Gylon Site 1666 Division Street Palmyra, New York		BORING LOG MW-25 (Page 1 of 1)		Total Boring Depth : 16 ft bgs Drilling Method : Hollow Stem Auger Drilling Equipment : Ingersoll Rand A 300 Hammer Wt./Drop : N/A Sampling Method : N/A Logged By : J.Kiggins Survey : N/A Boring Location : Garlock : NW Corner Gylon Site : Near Red Creek	
		Date Started : 8/21/07 Time : 11:00am Date Completed : 8/21/07 Time : 1:30pm Drilling Contractor : Parratt Wolff Driller : Jim Lansing			
		Job No. N6008			

Depth in Feet	Surf. Elev.	Sample	Sample Condition	Water Levels	REMARKS
			No Recovery Recovery Refusal No sample taken	▼ ▽ After Completion Prior to Developing	
DESCRIPTION					
0 2 4 6 8 10 12 14 16	429 427 425 423 421 419 417 415				
End of Boring					

MW-25
 Top PVC Elev: 429.72

Cover
 Steel Casing
 Bentonite
 2" PVC Riser
 0.01" PVC slot screen
 #0 Sand Pack
 Sump

NOTES: Augered well to 16 feet, did not take samples.	BORING LOG MW-25 (Page 1 of 1)
---	--

11-16-2011 J:\PROJECTS\IN-xxxx\N1000\N1011 - Garlock Site No. 3\EQulS Database\ACC-1\OW-5-MW-25 bor

BORING LOG: MW-3					Total Boring Depth : 14ft bgs Drilling Method : Hollow-stem augers Drilling Equipment : Ingersoll Rand A 200 Hammer Wt./Drop : N/A Sampling Method : Split spoon, 2" Logged By : AM Survey : N/A Boring Location : Garlock : western side of the site : adjacent to pond		
Garlock Industries Remedial Investigation 1666 Division Street Palmyra, New York Job No. N6008.11					Date Started : 10/4/06 Time : 3:10pm Date Completed : 10/4/06 Time : 4:00pm Drilling Contractor : Parratt-Wolff Driller : Jim Lansing		
Depth (bgs)	Surf. Elev.	Recovery (inches)	Sample	PID (V/ppm)	Sample Condition ☒ No Recovery ▨ Recovery ■ Refusal	Water Levels ▼ After Completion ▽ During Drilling	REMARKS
					DESCRIPTION		
0	429	16		0.0			
2	427	6		0.0	moist, stiff, dark brown/green, SILT, some coarse Sand and Gravel, trace Clay		
4	425	18		20.2	wet, soft, dark brown/gray, SILT, coarse Sand, and Gravel		
6	423	20		23.8	wet, soft, grayish green/brown, SILT, Clay, coarse Sand, and Gravel		
8	421	18		378	wet, soft, black/gray, SILT, fine Sand, and Gravel		
10	419	20		898	wet, soft, black/dark brown, SILT		
12	417	18		759	wet, soft, dark brown, SILT, organic material wet, soft, dark brown/gray, SILT, coarse Sand, organic material		
14					wet, stiff, dark brown, SILT, some Clay	Water encountered	
End of Boring							

PID utilized: MiniRae 2000 calibrated to 100 Vppm isobutylene.

BORING LOG: MW-3

11-16-2011 J:\PROJECTS\N-xxxx\N1000\N1011 - Garlock Site No. 3\ECu\IS Database\AOC-1\OW-6-MW-3.bor

11-16-2011 J:\PROJECTS\N-xxxx\N1000\N1011 - Garlock Site No. 3\EQULS Database\AOC-1\OW-7-MW-27.bor

					BORING LOG MW-27 (Page 1 of 1)		Total Boring Depth : 16 ft bgs Drilling Method : Hollow Stem Auger Drilling Equipment : Ingersall Rand A 300 Hammer Wt./Drop : N/A Sampling Method : N/A Logged By : M. Gabriel Survey : N/A Boring Location : Garlock : NW Corner Gylon Site : Near Red Creek	
Garlock Sealing Technologies, Gylon Site 1666 Division Street Palmyra, New York					Date Started : 8/21/07 Time : 1:45pm Date Completed : 8/21/07 Time : 3:00pm Drilling Contractor : Parratt Wolff Driller : Jim Lansing			
Job No. N6008								
Depth in Feet	Surf. Elev.	Recovery (inches)	Sample	PID Results (ppm)	Sample Condition	Water Levels	REMARKS	
					☐ No Recovery ☒ Recovery ☐ Refusal ☐ No sample taken	☒ After Completion ☐ Prior to Developing		
DESCRIPTION								
0	430				Dry, light brown, soft, SILT, some gravel			
2	428							
4	426			1.9	Moist, dark brown, stiff, SILT, some clay, little gravel			
6	424							
8	422				Wet, dark grey, mud, SILT, some gravel			
10	420			2.7				
12	418							
14	416			2.7	very wet, black SILT, some gravel, organic material	slight sheen, no odor		
16					End of Boring			

MW-27
Top PVC Elev: 429.94

Cover
Steel Casing
Bentonite
2" PVC Riser
0.01" PVC slot screen
#0 Sand Pack
Sump

NOTES: Augered well to 16 feet, did not take samples. Descriptions are based on observation of cuttings. Refer to Boring D2.
PID utilized: MiniRae 2000 calibrated to 100 Vppm isobutylene

BORING LOG MW-27

(Page 1 of 1)

11-16-2011 J:\PROJECTS\N-xxxx\N1000\N1011 - Garlock Site No. 3\EQulS Database\AOC-1\OW-9.bor

			BORING LOG OW-9 (Page 1 of 1)		Total Boring Depth : 16-ft bgs Drilling Method : 4-1/4" H.S. Auger Drilling Equipment : B57 Hammer Wt./Drop : N/A Sampling Method : N/A Logged By : DJH Survey : LaBella Boring Location : Garlock : AOC-1 : Northeast TCE Area	
Garlock Sealing Technologies, Gylon Site 1666 Division Street Palmyra, New York			Date Started : 10/31/08 Time : 8:30am Date Completed : 10/31/08 Time : 10:30am Drilling Contractor : Parratt Wolff Driller : Doug T.			
Job No. N6008.69						
Depth in Feet	Surf. Elev.	Sample	Sample Condition		REMARKS	
			☒ No Recovery ☒ Recovery ☐ Not Sampled	DESCRIPTION		
0			Samples not taken. See Boring Log MW-27.		black cuttings with sheen and swampy odor.	
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14			Hard material encountered			
15						
16			End of Boring			

BORING LOG OW-9

(Page 1 of 1)

11-16-2011 J:\PROJECTS\N-xxxx\N1000\N1011 - Garlock Site No. 3\EQulS Database\AOC-1\PTOW1-1.bor

		BORING LOG OW 1-1 (Page 1 of 1)		Total Boring Depth : 12-ft bgs Drilling Method : Direct Push: 2" Geoprobe Drilling Equipment : Ingersoll Rand A 300 Hammer Wt./Drop : N/A Sampling Method : N/A Logged By : DJH Survey : LaBella 5/6/08 Boring Location : Garlock : AOC-1 : Between MW-3 and IW 1-1	
Garlock Sealing Technologies, Gylon Site 1666 Division Street Palmyra, New York		Date Started : 4/8/08 Time : 3:15pm Date Completed : 4/8/08 Time : 3:25pm Drilling Contractor : Parratt Wolff Driller : Doug T.			
Job No. N6008.61					
Depth in Feet	Surf. Elev.	Sample Condition No Recovery Recovery Refusal	Water Levels During Drilling After Completion (1st Sampling)		REMARKS
		DESCRIPTION			
0	430	Not Sampled.			
1	429				
2	428				
3	427				
4	426				
5	425				
6	424				
7	423				
8	422				
9	421				
10	420				
11	419				
12		End of Boring			

NOTES: Thicknesses of Bentonite seal and Sand pack are estimated because annular space was too narrow to measure the exact depths. One "cupful" of bentonite was poured over the sand, and more sand poured over that to near the top of PVC. Diameter of bore-hole depicted in well construction diagram is not to scale.

BORING LOG OW 1-1

(Page 1 of 1)

(Page 1 of 1)

Job No. N6008.61

Date Started : 4/8/08
Time : 3:40pm
Date Completed : 4/8/08
Time : 3:50pm
Drilling Contractor : Parratt Wolff
Driller : Doug T.

Total Boring Depth	: 12-ft bgs
Drilling Method	: Direct Push: 2" Geoprobe
Drilling Equipment	: Ingersoll Rand A 300
Hammer Wt./Drop	: N/A
Sampling Method	: N/A
Logged By	: DJH
Survey	: LaBella 5/6/08
Boring Location	: Garlock
	: AOC-1
	: ~20' West of IW 1-1

Surf. Elev.

☐ Refusal

∇ After Completion
(1st Sampling)

REMARKS

Top PVC Elev: 430.20



Flush Mount Cover

A cross-sectional diagram of a wellhead assembly. The diagram shows a vertical pipe with several distinct sections. At the top, there is a section labeled "Sand" and a section labeled "Bentonite Seal". Below these is a section labeled "1" PVC Riser". Further down is a section labeled "1" PVC 10-slot screen". At the bottom is a section labeled "#0 Sand Pack". A horizontal line with a downward-pointing triangle is positioned to the left of the "1" PVC Riser" section.

End of Boring

NOTES: Thicknesses of Bentonite seal and Sand pack are estimated because annular space was too narrow to measure the exact depths. One "cupful" of bentonite was poured over the sand, and more sand poured over that to near the top of PVC. Diameter of bore-hole depicted in well construction diagram is not to scale.

BORING LOG OW 1-4

(Page 1 of 1)

J:\PROJECTS\N-xxxx\N1000\N1011 - Garlock Site No. 3\EQ\IS Database\AOC-1\PTOW1-4.bor



Garlock Sealing Technologies, Gylon Site
1666 Division Street
Palmyra, New York

Job No. N6008

BORING LOG MW-60

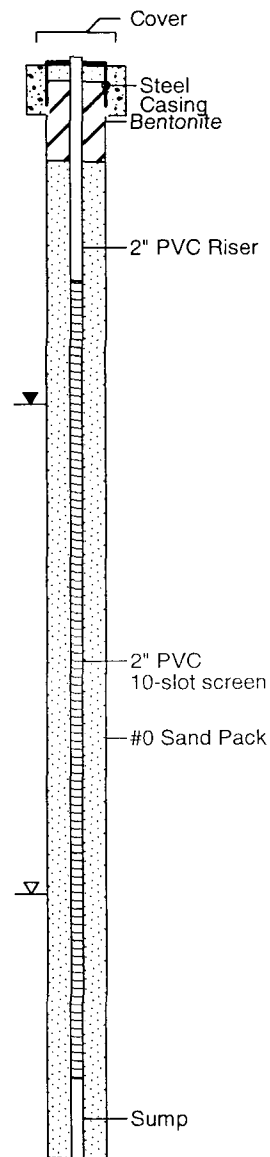
(Page 1 of 1)

Date Started : 9/16/08
Time : 11:00am
Date Completed : 9/16/08
Time : 3:30pm
Drilling Contractor : Parratt Wolff
Driller : Doug Thoma

Total Boring Depth : 14 ft bgs
Drilling Method : 4-1/4" Hollow Stem Auger
Drilling Equipment : Dietrich D50
Hammer Wt./Drop : 140-lb
Sampling Method : 2" split spoon
Logged By : DJH
Survey : LaBella 9/25/08
Boring Location : Garlock AOC-1
Southeast Corner of : Toluene tank farm

Depth in Feet	Surf. Elev.	Blow Count	Recovery (inches)	Sample	PID Reading (Vppm)	Sample Condition	Water Levels	REMARKS
						 No Recovery	 After Completion	
						 Recovery	 During Drilling	
						No sample taken		
DESCRIPTION								
0								
15		6			0.0	4" Sand and Asphalt FILL		
9						2" moist, m-stiff, green-tan mottled CLAY		
4								
2		4				moist, m-stiff, green CLAY, some silt		
		4			12.0	PID hit at 3' bgs		
		5						
		5						
4		6						
		4				moist, stiff, green CLAY, little silt. Thinly bedded with gray clay at 5.5' bgs (weathered shale?)		
		12			3.8			
		16						
6		18						
		25			42.6	dry, hard, light brown-olive SILT, trace fine sand and clay.		odor
		37				PID hit at 6.5' bgs.		
		26						
		28						
8		10				PID hit at 8' bgs		slight odor
		24			15.1	moist, m-stiff/soft, maleable, dark brown SILT, some clay		
		40				dry, hard, green-light brown SILT, some clay		
		51						
10		12				dry, hard, light gray SILT, little clay		
		31			59.6	moist, hard, light brown-olive,SILT, some clay, trace fine gravel-sized shale fragments.		slight odor
		57				PID hit at 10.5' bgs.		
		-						
12		22						slight odor
		28			7.1	moist, m-stiff, gray SILT, little clay		throughout both units
		24				PID hit at 12' bgs		
14		13						
End of Boring								

MW-60
Top PVC Elev:



PID utilized: MiniRae 2000 calibrated to 100 Vppm isobutylene

BORING LOG MW-60

(Page 1 of 1)

11-16-2011 J:\PROJECTS\N-xxxx\N1000\N1011 - Garlock Site No. 3\EQulS Database\Carbon Tet Area\MW-60.bor



REDEVELOPMENT

Garlock Sealing Technologies, Gylon Site
1666 Division Street
Palmyra, New York

Job No. N1011

BORING LOG MW0610-3

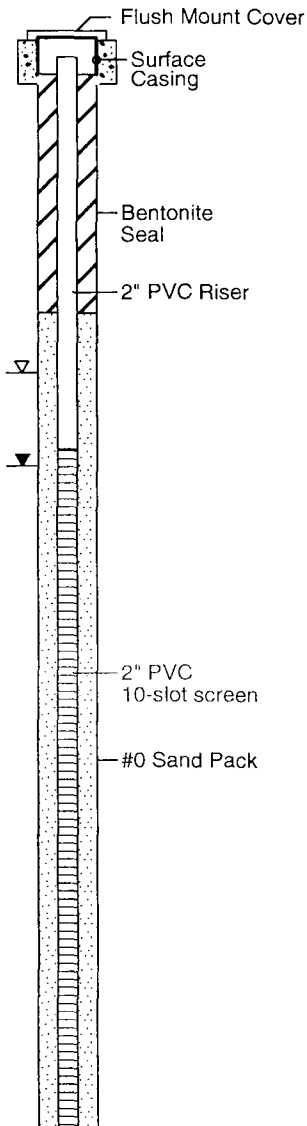
(Page 1 of 1)

Date Started : 6-17-10
Time : 9:10 am
Date Completed : 6-17-10
Time : 12:20 pm
Drilling Contractor : Parratt Wolff
Driller : Jim L.

Total Boring Depth : 16-ft bgs
Drilling Method : Direct Push/HSA
Drilling Equipment : Geoprobe 7822 DT
Hammer Wt./Drop : N/A
Sampling Method : 4' Macrocore
Logged By : IEM
Survey : N/A
Boring Location : Garlock
AOC-1
North Corner of Raised Slab

Depth in Feet	Surf. Elev.	Recovery (inches)	Water Levels	DESCRIPTION	PID Reading (ppm)
			▼ During Drilling ▽ After Drilling		
0	433.06			Black organic soil, Grass, Roots	
1	432.06			Black FILL, Sand, Gravel, Brick, Concrete, Loose, Moist	
2	431.06	36			254
3	430.06			Green SILT, some CLAY, Stiff, Moist	
4	429.06				
5	428.06				
6	427.06	36		SAA, Med-Stiff, Wet, Odor, Mottled Orange-Brown	1,640
7	426.06				
8	425.06				
9	424.06				
10	423.06	48		Brown SILT, Trace CLAY, Stiff, Moist	2,047
11	422.06				
12	421.06			Green SILT, Saturated, Loose	
13	420.06				
14	419.06	48		SAA, Hard, Mottled Orange-Brown	94.7
15	418.06				
16	417.06			Gray SILT, Stiff, Moist	
17				End of Boring	

Monitoring Well: MW0610-3
Top PVC Elev: 432.67



Notes:

N/A - Not Applicable
HSA - Hollow Stem Auger
SAA - Same As Above
A PID with an 11.7 eV Lamp was used to screen soils

BORING LOG MW0610-3

(Page 1 of 1)

11-16-2011 J:\PROJECTS\N-xxx\N1000\N1011 - Garlock Site No. 3\EQulS Database\Carbon Tet Area\MW06-10-3.bor



BORING LOG MW0610-4 (Page 1 of 1)

Garlock Sealing Technologies, Gylon Site
1666 Division Street
Palmyra, New York

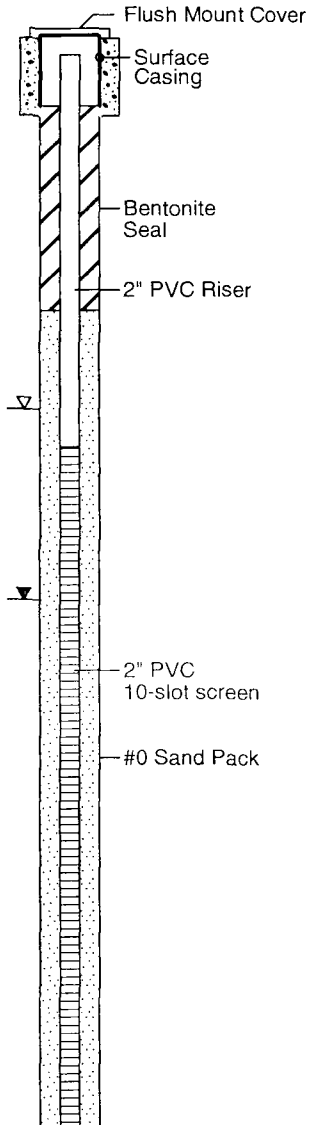
Job No. N1011

Date Started : 6-30-2010
Time : 9:11 am
Date Completed : 6-30-2010
Time : 10:50 am
Drilling Contractor : Parratt Wolff
Driller : Jim L.

Total Boring Depth : 16-ft bgs
Drilling Method : Direct Push/HSA
Drilling Equipment : IR A-200
Hammer Wt./Drop : N/A
Sampling Method : 4" Macrocore
Logged By : IEM
Survey : N/A
Boring Location : Garlock
: Carbon Tet. Area
: West of Gylon Building

Depth in Feet	Surf. Elev.	Recovery (inches)	Water Levels	DESCRIPTION	PID Reading (ppm)
			▼ During Drilling ▽ After Drilling		
0	432.79			Organic soil, Grass, Roots, Black	
1	431.79			Gravel FILL, Sand, Coarse Gravel, Concrete, Loose, Moist	
2	430.79	24			0.0
3	429.79				
4	428.79			SAA, Large rock fragment stuck in tip of macrocore, Slight odor, Moist	
5	427.79				
6	426.79	8			1,708
7	425.79				
8	424.79			SAND and Fine GRAVEL, Loose, Saturated, Strong odor	
9	423.79				
10	422.79	48		Green SILT, some CLAY, Med-stiff, Very wet, Odor	3,715
11	421.79				
12	420.79			Gray-Green SILT, little CLAY, Stiff, Dry, No odors	
13	419.79				
14	418.79	9			18.5
15	417.79				
16	416.79			End of Boring	
17					

Monitoring Well: MW0610-4
Top PVC Elev: 432.39



Notes:

N/A - Not Applicable
HSA - Hollow Stem Auger
SAA - Same as Above
A PID with an 11.7 eV Lamp was used to screen soils

BORING LOG MW0610-4

(Page 1 of 1)

11-16-2011 J:\PROJECTS\N-xxxx\N1000\N1011 - Garlock Site No. 3\EQUS Database\Carbon Tet Area\MW06-10-4.bor



BORING LOG MW0610-5

(Page 1 of 1)

Garlock Sealing Technologies, Gylon Site
1666 Division Street
Palmyra, New York

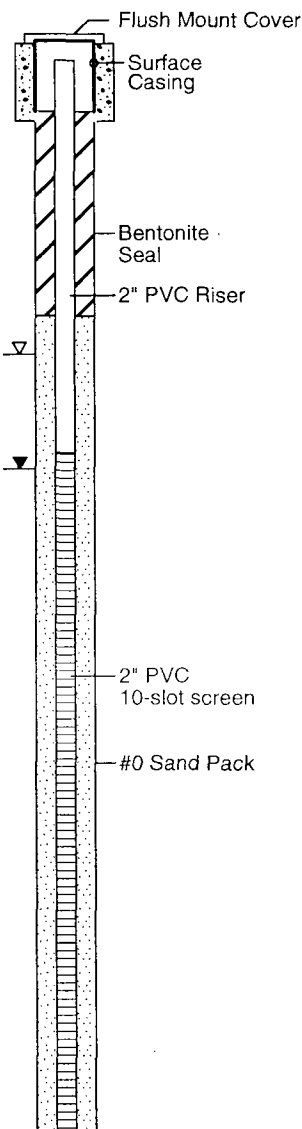
Date Started : 6-30-2010
Time : 11:28 am
Date Completed : 6-30-2010
Time : 1:50 pm
Drilling Contractor : Parratt Wolff
Driller : Jim L.

Total Boring Depth : 16-ft bgs
Drilling Method : Direct Push/HSA
Drilling Equipment : IR A-200
Hammer Wt./Drop : N/A
Sampling Method : 4' Macrocore
Logged By : IEM
Survey : N/A
Boring Location : Garlock
: Carbon Tet. Area
: Northeast part of grass area

Job No. N1011

Depth in Feet	Surf. Elev.	Recovery (inches)	Water Levels	DESCRIPTION	PID Reading (ppm)
			▼ During Drilling ▼ After Drilling		
0	432.05			Organic SOIL, Grass, Roots, Black	
1	431.05			Red-Black FILL, Gravel, Sand, Brick, Concrete, Loose, Moist	
2	430.05	40			38.9
3	429.05			Black Fine-Medium SAND, Loose, Moist	
4	428.05				
5	427.05			Black SILT and CLAY, Med-Stiff, Saturated with a strong odor	
6	426.05	24			2,503
7	425.05				
8	424.05			SAA, Standing black liquid in the macrocore, Sample saturated, Sheen on liquid, Strong odor	
9	423.05				
10	422.05	40			367
11	421.05			Green SILT, Loose, Very wet, Sulfur odor	
12	420.05			Black SAND with SILT, Pieces of wood, Med-stiff, Saturated	
13	419.05			Green-Gray SILT, little CLAY, Stiff, Moist	
14	418.05	30			36.8
15	417.05				
16	416.05			End of Boring	
17					

Monitoring Well: MW0610-5
Top PVC Elev: 431.53



Notes:

N/A - Not Applicable
HSA - Hollow Stem Auger
SAA - Same as Above
A PID with an 11.7 eV Lamp was used to screen soils

BORING LOG MW0610-5

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BORING LOG MW0811-02

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Garlock Sealing Technologies, Gylon Site
1666 Division Street
Palmyra, New York

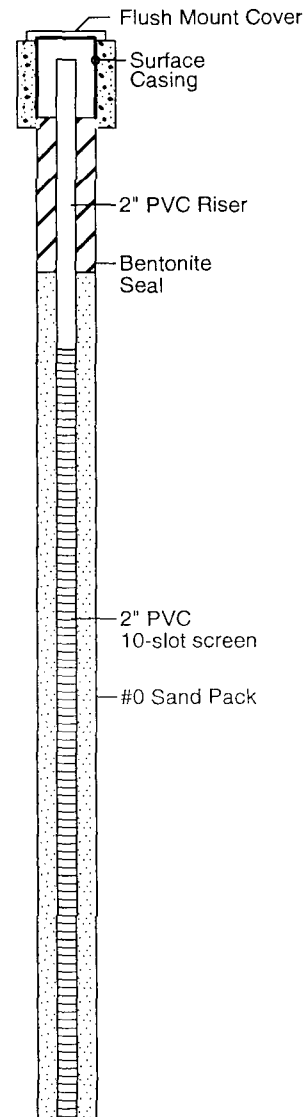
Date Started : 8-2-2011
Time : 12:40 pm
Date Completed : 8-2-2011
Time : 2:30 pm
Drilling Contractor : Zebra Envir.
Driller : Joe

Total Boring Depth : 14-ft bgs
Drilling Method : Direct Push
Drilling Equipment : Mini Track
Hammer Wt./Drop : N/A
Sampling Method : 4' Macrocore
Logged By : IEM
Survey : LaBella Assoc.
Boring Location : Garlock
: Carbon Tet. Area
: Northeast part of grass area

Job No. N1011

Depth in Feet	Surf. Elev.	Recovery (inches)	Water Levels	DESCRIPTION	PID Reading (ppm)
			▼ During Drilling ▽ After Drilling		
0	435.77			Organic SOIL, Grass, Roots, Black	
1	434.77			Brown-Black FILL, Gravel, Sand, Brick, Concrete, Loose, Moist	
2	433.77	24			1.3
3	432.77				
4	431.77				
5	430.77				
6	429.77	24			1.2
7	428.77				
8	427.77			Black Fine-Medium SAND and GRAVEL, Loose, Saturated	
9	426.77				
10	425.77	24			498
11	424.77				
12	423.77				
13	422.77			SILT and CLAY, Med-Stiff, Saturated with a slight odor	
14	421.77	24			409
15				End of Boring at Refusal	

Monitoring Well: MW0811-02
Top PVC Elev: 435.55



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BORING LOG MW0811-02

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BORING LOG IW-1

(Page 1 of 1)

Garlock Sealing Technologies, Gylon Site
1666 Division Street
Palmyra, New York

Job No. N6008.69

Date Started : 10/28/08
Time : 1:00pm
Date Completed : 10/28/08
Time : 3:45pm
Drilling Contractor : Parratt Wolff
Driller : Doug T.

Total Boring Depth	: 15-ft bgs
Drilling Method	: 6-1/4" H.S. Auger
Drilling Equipment	: B57
Hammer Wt./Drop	: N/A
Sampling Method	: N/A
Logged By	: DJH
Survey	: LaBella
Boring Location	: Garlock
	: AOC-1
	: Southwest Toluene Area

Sample Condition

☒ No Recovery

 Recovery☐ Not Sampled

REMARKS

INJECTION WELL: IW-1
Top PVC Elev:

Samples not taken. See Boring Log MW-62.

Petrol-like odor throughout

Hard material encountered

End of Boring

Diagram illustrating the components of a wellhead assembly:

- Flush Mount Cover
- Surface Casing
- Bentonite Seal
- 4" PVC Riser
- 4" PVC 10-slot screen
- #3 Sand Pack

BORING LOG IW-1

(Page 1 of 1)

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11-16-2011 J:\PROJECTS\N-xxxx\N1000\N1011 - Garlock Site No. 3\EQulS Database\Toluene Area\IW-2.bor

			BORING LOG IW-2 (Page 1 of 1)		Total Boring Depth : 15-ft bgs Drilling Method : 6-1/4" H.S. Auger Drilling Equipment : B57 Hammer Wt./Drop : N/A Sampling Method : N/A Logged By : DJH Survey : LaBella Boring Location : Garlock : AOC-1 : Southwest Toluene Area	
Garlock Sealing Technologies, Gylon Site 1666 Division Street Palmyra, New York			Date Started : 10/28/08 Time : 10:30am Date Completed : 10/28/08 Time : 12:00pm Drilling Contractor : Parratt Wolff Driller : Doug T.			
Job No. N6008.69						
Depth in Feet	Surf. Elev.	Sample	Sample Condition		REMARKS	
			☒ No Recovery	☒ Recovery		
			☐ Not Sampled			
			DESCRIPTION			
0			Samples not taken. See Boring Log MW-26.			
1						
2						
3					PID readings >10 ppm	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14			Hard material encountered			
15			End of Boring			

INJECTION WELL: IW-2
Top PVC Elev:

Flush Mount Cover
Surface Casing
Bentonite Seal
4" PVC Riser
4" PVC 10-slot screen
#3 Sand Pack

NOTES: PID utilized: MiniRae 2000 calibrated to 100 Vppm isobutylene.

BORING LOG IW-2
(Page 1 of 1)

11-16-2011 J:\PROJECTS\N-xxxx\N1000N1011 - Garlock Site No. 3\EQulS Database\Toluene Area\IW-3.bor

			BORING LOG IW-3 (Page 1 of 1)		Total Boring Depth : 15.5-ft bgs Drilling Method : 6-1/4" H.S. Auger Drilling Equipment : B57 Hammer Wt./Drop : N/A Sampling Method : N/A Logged By : DJH Survey : LaBella Boring Location : Garlock : AOC-1 : South-central Toluene Area	
Garlock Sealing Technologies, Gylon Site 1666 Division Street Palmyra, New York			Date Started : 10/28/08 Time : 8:15am Date Completed : 10/28/08 Time : 10:00am Drilling Contractor : Parratt Wolff Driller : Doug T.			
Job No. N6008.69						
Depth in Feet	Surf. Elev.	Sample	Sample Condition		REMARKS	
			☒ No Recovery	☒ Recovery		
			DESCRIPTION			
0			Samples not taken. See Boring Log MW-26.		PID readings <0.5 ppm throughout cuttings	
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14			Hard material encountered.			
15		☒			Drove spoon at 15', no recovery	
16			End of Boring			

INJECTION WELL: IW-3
Top PVC Elev:

NOTES: PID utilized: MiniRae 2000 calibrated to 100 Vppm isobutylene.

BORING LOG IW-3
(Page 1 of 1)

11-16-2011 J:\PROJECTS\N-xxxx\N1000\N1011 - Garlock Site No. 3\EQUS Database\Toluene Area\IW-4.bor

			BORING LOG IW-4 (Page 1 of 1)		Total Boring Depth : 15-ft bgs Drilling Method : 6-1/4" H.S. Auger Drilling Equipment : B57 Hammer Wt./Drop : N/A Sampling Method : N/A Logged By : DJH Survey : LaBella Boring Location : Garlock : AOC-1 : Southeast Toluene Area	
Garlock Sealing Technologies, Gylon Site 1666 Division Street Palmyra, New York			Date Started : 10/27/08 Time : 2:30pm Date Completed : 10/27/08 Time : 4:00pm Drilling Contractor : Parratt Wolff Driller : Doug T.			
Job No. N6008.69						
Depth in Feet	Surf. Elev.	Sample	Sample Condition		REMARKS	
			☒ No Recovery	☒ Recovery		
			Not Sampled			
			DESCRIPTION			
0			Samples not taken. See Boring Log MW-61.			
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14			Hard material encountered.			
15			End of Boring			

INJECTION WELL: IW-4
Top PVC Elev:

Flush Mount Cover
Surface Casing
Bentonite Seal
4" PVC Riser
4" PVC 10-slot screen
#3 Sand Pack

BORING LOG IW-4

(Page 1 of 1)

11-16-2011 J:\PROJECTS\N-xxxx\N1000\N1011 - Garlock Site No. 3\EQUS Database\Toluene Area\IW-5.bor

			BORING LOG IW-5 (Page 1 of 1)		Total Boring Depth : 15.5-ft bgs Drilling Method : 6-1/4" H.S. Auger Drilling Equipment : B57 Hammer Wt./Drop : N/A Sampling Method : N/A Logged By : DJH Survey : LaBella Boring Location : Garlock : AOC-1 : Southeast Toluene Area	
Garlock Sealing Technologies, Gylon Site 1666 Division Street Palmyra, New York			Date Started : 10/27/08 Time : 12:00pm Date Completed : 10/27/08 Time : 2:15pm Drilling Contractor : Parratt Wolff Driller : Doug T.			
Job No. N6008.69						
Depth in Feet	Surf. Elev.	Sample	Sample Condition		REMARKS	
			☒ No Recovery	☒ Recovery		
			Not Sampled			
			DESCRIPTION			
0			Samples not taken. See Boring Log MW-61.			
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16			End of Boring			

INJECTION WELL: IW-5
Top PVC Elev:

Flush Mount Cover
Surface Casing
Bentonite Seal
4" PVC Riser
4" PVC 10-slot screen
#3 Sand Pack
Caved-in cuttings

odor on cuttings beginning about 6-7'. Sheen on wet cuttings.

Hard material encountered at 15.5'

BORING LOG IW-5 (Page 1 of 1)		
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