2023 Annual Water Quality Report

Cedar Rapids Linn County Solid Waste Agency - Site 2

Permit No. 57-SDP-01-72P

Marion, Iowa
January 26, 2024

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Certification

I hereby certify that this report was prepared by me or under my direct personal supervision and that I am a qualified groundwater scientist based on the requirements noted in IAC 567—113.10(1)"d".

Richard Wilson — Date: 1-26-2024

Pages or sheets covered by this signature:

All

Certification page (PE or ground water scientist signature) ***113.10(1)"d"***

For the purposes of this rule, a "qualified groundwater scientist" means a scientist or an engineer who has received a baccalaureate or postgraduate degree in the natural sciences or engineering and has sufficient training and experience in groundwater hydrology and related fields demonstrated by state registration, professional certifications, or completion of accredited university programs that enable that individual to make sound professional judgments regarding groundwater monitoring, contaminant fate and transport, and corrective action.

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Acronyms/Abbreviations:

ACM = Assessment of Corrective Measures
ASD = Alternate Source Demonstration
AWQR = Annual Water Quality Report
CAMP = Corrective Action Monitoring Plan
CL = Control Limit - Mean plus Two Standard Deviations
CRLCSWA = Cedar Rapids Linn County Solid Waste Agency
DO = Dissolved Oxygen
DQR = Double Quantification Rule
GCCS = Gas Collection and Control System
GWPS = Groundwater Protection Standard
HDR = HDR Engineering, Inc.
HMSP = Hydrologic Monitoring System Plan
IAC = Iowa Administrative Code
IDNR = Iowa Department of Natural Resources
LEL = Lower Explosive Limit
LCL = Lower Confidence Limit
MCL = EPA Maximum Contaminant Level
MDL = Method Detection Limit
NP = Non-Parametric
ORP = Oxidation Reduction Potential
PL = Prediction Limit
RL = Reporting Limit
Site-2 = Cedar Rapids Linn County Solid Waste Agency Site-2 Landfill
SWS = Iowa DNR Statewide Standard for a protected groundwater source
SSI = Statistically Significant Increase above background
SSL = Statistically Significant Level above groundwater protection standard
SW = Surface Water
UCL = Upper Confidence Limit

**Note this list is a comprehensive list of common acronyms. All acronyms listed above may not have been utilized in the following report and/or attached tables.*

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1 Executive Summary

Groundwater monitoring activities and associated data and statistical analyses were prepared by HDR Engineering, Inc. (HDR), on behalf of the Cedar Rapids Linn County Solid Waste Agency (CRLCSWA) for the Site 2 municipal solid waste landfill (MSWLF) unit (herein referred to as Site 2) near Marion, Iowa. These activities were conducted in accordance with Iowa Administrative Code (IAC) 567—113.10, and additional Iowa Department of Natural Resources (IDNR) requirements specified in Site 2's solid waste disposal permit number 57-SDP-01-72P, and the most recent Hydrologic Monitoring System Plan (HMSP).

1.1 Period of Report Coverage

This Annual Water Quality Report (AWQR) is for the period from January 2023 through December 2023. This report summarizes details from the spring 2023 sampling event (April 18 through 19, 2023 and May 3, 2023), the spring 2023 verification sampling event (June 7, 2023), the fall 2023 sampling event (October 18 and 19, 2023) and the fall 2023 verification sampling event (December 13, 2023). The complete *2023 Spring Statistical Report*, including associated laboratory reports and field sampling forms, is not included in this 2023 AWQR, but can be found on the IDNR's Electronic Document Retrieval website (**Document ID# 107087**). Fall 2023 sampling and fall 2023 verification field forms are provided in **Attachment 3**.

1.2 Report Priority

Request for the following modifications to Site 2's groundwater monitoring network and overall monitoring program to be reviewed by IDNR include the following:

- Currently, there are no requests for revisions to the monitoring program at Site 2.

1.3 Site Status and Applicable Rules

The landfill was originally permitted in 1972 as the Linn County Landfill. The facility became "Site 2" when the City of Cedar Rapids and Linn County formed a Solid Waste Agency via a 28E agreement. The landfill provides routine solid waste disposal services for commercial, industrial, and residential generators in Linn County. The facility also serves as a regional collection center for eligible household hazardous materials from residents and conditionally exempt small quantity generators in Linn, Benton, Iowa, Jones and Tama Counties.

The facility property consists of approximately 360 acres of land. The original 30-acre, unlined, disposal unit on the north side of the property is closed, with all other constructed portions of the landfill remaining open for future waste filling operations. The following summarizes historical expansion activities on the facility property:

- 2001: constructed lined 13-acre cell immediately south of the closed 30-acre cell
- 2008: constructed lined 13-acre Phase 1, southeast of the 13-acre cell
- 2010: constructed lined 9-acre Phase 2, west of the Phase 1
- 2013: constructed lined 8-acre Phase 3 and 7-acre Phase 4, south of Phase 1 and Phase 2

- 2021: partial final closure of the lined 13-area cell; constructed lined 10-acre Phase 5A, south of Phase 3 and Phase 4

Current active landfilling operations consist of the 13-acre cell, Phase 1 through Phase 4, and Phase 5A. Phase 5A expansion was completed and initial receipt of waste occurred in the first quarter of 2022.

2 Site Background

The Site 2 property is located northeast of the City of Marion, Iowa at 1954 County Home Road. The facility is situated in Sections 16 and 17, Township 84 North, Range 6 West, in Linn County, Iowa. The property is bounded to the north by County Home Road, on the east by Highway 13, by Echo Hill Road on the south, and by Indian Creek and agricultural land on the west.

The surrounding land use is agricultural, except for the Linn County secondary roads maintenance facility adjacent to the northeast corner of the landfill property. In May 2019, Prospect Meadows Sports Complex opened to the east of the landfill site. A site map depicting the characteristics of the landfill, and surrounding vicinity, is provided as **Figure 1**.

Descriptions of the site's geologic and hydrogeologic setting, referenced herein, were obtained from the Hydrogeological Investigation dated June 2004 as prepared by Howard R. Green Company (HRG). The site's hydrogeologic units include a local uppermost water table aquifer, a regional Devonian-Silurian bedrock aquifer, and an intervening low permeability aquitard (confining unit). The water table and bedrock aquifers were found to be hydrologically separate units. The shallow water table aquifer was observed to generally flow horizontally from east to west towards Indian Creek. The shallow deposits include erosion surface sediments, weathered glacial till, and alluvium. The shallow aquifer is not used as a source of groundwater supply. The uppermost bedrock is dolomitic limestone with shale inter-beds interpreted as the lower Devonian Otis and Bertram Formations.

During the 2023 reporting period, cobalt was identified at a statistically significant level in monitoring well MW-303 following the spring compliance and verification monitoring events. An alternative source demonstration (ASD) was conducted, and the results are summarized in a report dated August 8, 2023 (**Document ID# 107412**). Based on the data included in the ASD report, an inward groundwater flow gradient was identified in the 13-acre cell, Phase 1 through Phase 4, and Phase 5A areas due to the active groundwater underdrain system. Thus, groundwater under and immediately adjacent to these landfill units is captured by the underdrain system which interrupts the historical horizontal flow from east to west towards Indian Creek. This inward gradient is depicted on the attached groundwater contour maps included as **Figure 2** (April 2023) and **Figure 3** (October 2023).

3 Monitoring Network & Activities

3.1 Monitoring Network

The monitoring network for Site 2 is summarized in **Table 1** and shown in **Figure 1**. The monitoring program of each monitoring point, status of baseline sampling, and sampling performed during the fall 2023 reporting period are included in **Table 2**. Semiannual detection, assessment, corrective action, and delineation monitoring were conducted at groundwater monitoring locations as indicated in **Table 1**. Field sampling forms are provided in **Attachment 3**.

Detection monitoring locations were sampled for the Appendix I constituent list and total suspended solids (TSS). Assessment and corrective action monitoring locations were sampled for the full Appendix I list, previously detected Appendix II constituents, and TSS. During the fall 2023 sampling event, one (1) assessment monitoring well (MW-26A) was to be sampled and analyzed for the full Appendix II constituent list, however, the well had insufficient water volume for a groundwater sample to be collected. The full Appendix II constituent list will be collected from monitoring well MW-26A during the spring 2024 compliance sampling event, if sufficient water volume is present. Complete laboratory reports containing the analytical results are provided in **Attachment 4**.

In accordance with Special Provision X.4.f of Permit No. 57-SDP-01-72P, resampling for the full set of Appendix II constituents for all wells in assessment monitoring will be completed once every 5 years. The next full Appendix II sampling event for each monitoring well in assessment monitoring is specified in **Table 2.**

3.2 Sampling Procedures

A Solinst 101 and/or a Geotech water level indicator was used to measure the static water level in each of the monitoring wells prior to purging and sampling. Static water levels were measured, and groundwater elevations calculated to create the Site 2 Groundwater Contour Maps. Contours for the spring 2023 and fall 2023 groundwater monitoring events are depicted on **Figure 2** and **Figure 3**, respectively. During the fall 2023 monitoring event, groundwater elevations ranged from 807.18 (MW-304R) to 853.25 (MW-9AR) feet above mean sea level (AMSL). The flow direction is variable at the site due to groundwater mounding in the unlined 30-acre cell from leachate generation and a groundwater depression under the 13-acre cell, Phase 1 through Phase 4, and Phase 5A areas due to the groundwater underdrain collection system.

In addition to measuring depth to groundwater (static water level) during the sampling event, field parameters were measured to verify and document the presence of a stable and representative sample medium prior to collection. A multi-parameter meter (YSI Pro DSS with flow cell) was used to obtain geochemical measurements including temperature, conductivity, oxidation-reduction potential, dissolved oxygen, turbidity, and pH of the groundwater purged from the monitoring wells prior to sampling. Geochemical measurements collected during purging were recorded on the field sampling forms which are provided in **Attachment 3**.

During the fall 2023 monitoring event, groundwater samples were obtained from the following HMSP monitoring locations: GU-1, GU-L, GU-O, GU-P, MW-9AR, MW-15, MW-18, MW-19, MW-20, MW-22, MW-24, MW-201B, MW-300, MW-301, MW-302R, MW-303, MW-304R, MW-305, and MW-501. HMSP monitoring location MW-26A was not sampled during the fall 2023 monitoring event due to insufficient water volume in the well for sample collection. A groundwater sample was also collected from MW-502 to continue to build the background data set for this monitoring location.

Delineation monitoring wells downgradient of the closed 30-acre unlined landfill were sampled to delineate cobalt and benzene around the unlined landfill. The delineation monitoring wells sampled during the recent event included the following monitoring wells: MW-29, MW-30, MW-306 and MW-307A.

During the fall 2023 compliance sampling event, monitoring locations GU-1, GU-O, and GU-P were sampled using the respective, existing dedicated lift station's pump discharge riser. The groundwater sample from GU-L was collected using a disposable polyethylene bailer. Groundwater samples from MW-9AR, MW-15, MW-18, MW-19, MW-20, MW-22, MW-24, MW-29, MW-301, MW-303, MW-304R, MW-305, and MW-307A were collected using a Geotech peristaltic pump following stabilization of purge parameters. The groundwater samples from MW-201B and MW-502 were collected using a Geotech bladder pump following stabilization of purge parameters. The Geotech bladder pump is utilized for monitoring locations where the depth to water is greater than approximately 25 feet below ground surface, as the peristaltic pump does not have sufficient power to collect groundwater at these greater depths. During the fall 2023 compliance sampling event, a peristaltic pump unit was not operational and required repair. As a result, monitoring wells (MW-30, MW-300, MW-302R, MW-306, and MW-501) that would have been sampled via a peristaltic pump were sampled with a bladder pump. The bladder pump was decontaminated with Alconox® (or equivalent) and a distilled or deionized water rinse between each monitoring location. Samples were collected in general accordance with the standard low flow sampling techniques described in the most recently approved HMSP.

4 Statistical Methods for Monitoring Programs

Statistical analyses were completed using Sanitas™ v9.6.37 (Sanitas Technologies) software. The following sections describe the statistical methodology used for each monitoring program. Additional information on specific statistical equations used in the Sanitas™ program can be provided under separate cover upon request. Note that J-flagged concentrations (concentration between the method detection limit [MDL] and reporting limit [RL]) are not considered statistically significant. Statistical analysis results for the fall 2023 monitoring event are provided in **Attachment 2**.

4.1 Detection Monitoring

Under the detection monitoring program in IAC 113.10(5), Appendix I monitoring results are statistically compared to background levels. The combined background data set (MW-9AR and MW-201B) is used to evaluate statistically significant increases (SSIs) over background for inorganic constituents with historical detections in downgradient monitoring wells. The background data will consist of data from April 2015 through the current sampling event. All historical background data collected prior to low-flow sampling techniques initiated in April 2015 have been removed from the background data set. Interwell prediction limits will be used to statistically evaluate SSIs over background for the Appendix I constituents in downgradient monitoring wells with the exception of monitoring well MW-501. Monitoring well MW-501 was placed into detection monitoring following the initial placement of waste in Phase 5A. Since groundwater data was collected prior to waste placement and there are no observed trends in the data, MW-501 was recommended for analysis using intrawell prediction limits.

Groundwater underdrains (GU-1, GU-L, GU-O and GU-P) are monitored for Appendix I constituents and are analyzed using intrawell prediction limits for all Appendix I inorganic constituents. An intrawell prediction limit analysis is conducted for each groundwater underdrain utilizing the entire background data set from October 2015 through February 2022 for the respective groundwater underdrain.

For constituents with greater than or equal to 50% non-detects in the background data set, a non-parametric prediction limit is used. The non-parametric prediction limit is taken as the maximum order statistic (maximum value) of the background data. For constituents with less than 50% non-detects in the background data set, normality assumptions will be verified using the Shapiro-Wilk normality test. If the background data is not normally distributed, a non-parametric prediction limit is used. If the background data is normally distributed or can be fit to a normal distribution using a normalizing transformation, then a normal-based parametric prediction limit is applied.

For organic constituents, double quantification rule (DQR) analysis is used. This method states that detection of the same constituent in two consecutive sampling events in the same monitoring point indicates an SSI, and the monitoring point must be placed into the assessment monitoring program. This evaluation will be conducted in a rolling manner using single observations from the semiannual and resample events, as necessary. For newly detected constituents, the resample event will be completed within 90 days of the original exceedance as stated in the IDNR memo for Double Quantification Rule Resampling dated June 22, 2017.

During the fall 2023 compliance sampling event, groundwater underdrains GU-1 and GU-P each had detection of one Appendix I inorganic constituent above their respective intrawell upper prediction limit (UPL). Zinc was detected above the UPL in the GU-1 groundwater sample, and barium was detected above the prediction limit in the GU-P sample. A verification sampling event (December 13, 2023) was conducted where results indicated zinc in the GU-1 sample was below the laboratory reporting limits, but barium was still above the intrawell UPL in the GU-P sample. For both monitoring wells and groundwater underdrains, a “1-of-2” retesting plan is used on individual sample results. The 1-of-2 retesting plan as defined in the United States Environmental Protection Agency’s (EPA) Unified Guidance concludes that an SSI has occurred when 2 out of 2 consecutive sample results exceed the prediction limit, while no SSI is concluded if 1-of-2 is below the limit. The prediction limit for each constituent is recalculated semiannually. If an SSI above background is identified, the monitoring location would be required to enter the assessment monitoring program. Based on the verification event analytical results, GU-1 will remain within the detection monitoring program since 1-of-2 sampling event results was below the intrawell UPL.

In regards to the detections of barium being above the intrawell UPL for both the fall 2023 compliance and verification sampling events, the barium concentrations at GU-P were statistically analyzed via a interwell UPL utilizing background monitoring wells MW-9AR and

MW-201B. Barium concentrations measured at GU-P did not exceed the interwell UPL. Due to the limited number of sampling events conducted at GU-P (six background and compliance monitoring events), groundwater variability may not have been fully incorporated into the intrawell background dataset. Since MW-9AR and MW-201B are upgradient monitoring locations relative to GU-P, an interwell statistical analysis is a feasible option for evaluating SSIs in the groundwater underdrain compliance samples.

Interwell and intrawell prediction limits for constituents detected above laboratory reporting limits at detection monitoring locations are summarized on **Table 6**.

4.2 Assessment Monitoring

The downgradient monitoring locations included in the analysis for the assessment monitoring program are: MW-15, MW-18, MW-19, MW-20, MW-22, MW-24, MW-26A, MW-300, MW-301, MW-302R, MW-303, MW-304R and MW-305. Monitoring well MW-26A did not have results analyzed for the fall 2023 monitoring event since the well had insufficient water volume for sample collection. Per the 5-year monitoring interval for the full Appendix II constituents, monitoring well MW-26A was planned to be analyzed for full Appendix II during the fall 2023 compliance sampling event. Since the well had insufficient water volume during the fall event, the full Appendix II constituent list will be sampled at monitoring well MW-26A during the spring 2024 compliance sampling event, if sufficient water volume is present.

Under the assessment monitoring program in IAC 113.10(6), Appendix I and II monitoring results are statistically compared to background levels and to the groundwater protection standards (GWPS) as defined in IAC 113.10(6)"*g*" and "*h*".

Interwell (for monitoring wells) prediction limits will be used to statistically evaluate SSIs over background for the Appendix I and II constituents with historical detection in the background dataset, and the DQR method is used for organic constituents to evaluate SSIs, as previously discussed in **Section 4.1**. Prediction limits used for comparison to the most recent data collected for the assessment monitoring wells are listed in **Table 7**.

Constituents at monitoring wells, which have been determined to be statistically above background are also statistically compared to the GWPS to identify statistically significant levels (SSLs). The GWPS is the Iowa Statewide Standard for a Protected Groundwater Source (SWS). If no SWS exists, or if the background concentrations are higher than the Statewide Standard, the GWPS is defined as the background concentration. Per IAC 113.10(6)"*i*", an alternative GWPS may be established by IDNR for constituents for which there is no Statewide Standard or EPA maximum contaminant level (MCL). Confidence intervals are used as the statistical strategy in assessment monitoring. In the case of normally distributed data, a normal-based parametric confidence interval is used. If the data are not normally distributed, a non-parametric confidence interval on the median is used.

According to IAC 113.10(6)"*e*", a well may return from assessment monitoring to detection monitoring when all Appendix II constituents are "shown to be at or below background values, using the statistical procedures in paragraph 113.10(4)"*g*" for two consecutive sampling events." However, three consecutive sampling events will be used to make the determination to return to detection monitoring to limit the frequent fluctuation of wells moving between the detection and assessment monitoring programs. Assessment monitoring continues when Appendix II concentrations are above background values but below the GWPS using the statistical procedures in §113.10(4)“*g*”.

If constituents are detected as SSLs above the GWPS, a notice is placed in the operating record and the monitoring location would be required to enter the corrective action monitoring program. At that time, requirements to initiate characterization of the nature and extent of the release (IAC 113.10(6)“*g*”) are triggered, and the owner or operator is required to initiate an assessment of corrective measures, and to select and implement a remedy in accordance with IAC 113.10(7), (8), and (9).

For groundwater underdrains, pursuant to IAC 113.10(2)”a”(3), if contamination is identified in the groundwater underdrain system pursuant to subrule IAC 113.19(5), the owner or operator shall manage the underdrain discharge as leachate in lieu of assessment monitoring and corrective action.

4.3 Corrective Action Monitoring

Monitoring locations MW-18, MW-19, MW-20, and MW-301 are in the corrective action monitoring program for cobalt, and MW-20 is also in the corrective action monitoring program for benzene concentrations above the GWPS. The other Appendix I and Appendix II constituents at these monitoring wells were evaluated under the assessment monitoring program.

Monitoring well/constituent pairs in the corrective action monitoring program were evaluated by comparison to the GWPS through statistical confidence intervals. In the assessment monitoring mode, the lower confidence limit (LCL) is compared to the GWPS, whereas in the corrective action monitoring mode, the upper confidence limit (UCL) is compared to the GWPS. Cobalt in MW-18, MW-19, MW-20, and MW-301 had both the UCL and LCL above the GWPS. Benzene in MW-20 had the UCL above the GWPS while the LCL was below the GWPS. To return to assessment monitoring, the UCL must remain below the GWPS for three consecutive years; therefore, MW-20 will remain in the corrective action monitoring program for benzene and MW-18, MW-19, MW-20, and MW-301 will remain in the corrective action monitoring program for cobalt. The most recent detections of cobalt and benzene in these monitoring locations along with the upper confidence limits and GWPS are provided in **Table 8**. A summary of the historical SSIs and SSLs at the site is provided in **Table 10**. A complete statistical summary is included in **Attachment 2**.

Under the corrective action monitoring program, interwell prediction limits are used to statistically evaluate SSIs over background for the Appendix I and II constituents with historical detection in the background dataset. The DQR method is used for organic constituents to evaluate SSIs, as previously discussed in **Section 4.1**.

5 Quality Assurance/Quality Control

The quality assurance/quality control (QA/QC) protocols for each sampling event include proper sample containers, proper field protocols, and laboratory protocols. For the spring 2023 compliance sampling event, two duplicate samples, three trip blanks, and one equipment blank were collected and analyzed. For the fall 2023 sampling events, two duplicate samples, four trip blanks, and one equipment blank were collected and analyzed.

Eurofins Environmental Testing (Eurofins) in Cedar Falls, Iowa is responsible for providing QA/QC of laboratory protocols; this documentation is included in the attached laboratory reports (**Attachment 4**) for the fall 2023 sampling events. The laboratory QA/QC protocols and documentation were reviewed. The laboratory sample receipt checklist indicated all samples were received within holding times, within acceptable temperatures, and sample containers were not broken or leaking.

The following qualifiers were noted for some parameters in the fall 2023 analytical reports:

- B – Compound was found in the laboratory blank and sample.
  - Barium was found in the laboratory blank for the batch that included samples MW-9AR, MW-201B, and MW-301.
  - Cobalt was found in the laboratory blank for the batch that included samples MW-18, MW-19, MW-20, MW-300, and MW-501.
- J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
- F1 – Matrix spike (MS) and/or matrix spike duplicate (MSD) recovery exceeds control limits.
- F2 – MS and/or MSD relative percent difference (RPD) exceeds control limits.
- F5 – Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.

Results of the QA/QC protocols for the spring 2023 sampling event were previously submitted in the spring 2023 semiannual sampling report dated June 29, 2023 (**IDNR Document ID# 107087**).

Results of the most recent (fall 2023 sampling) equipment blank (EQ-1) analysis indicated a detection of bromodichloromethane above laboratory reporting limits at a concentration of 1.77 micrograms per liter (µg/L). Bromodichloromethane was not detected above laboratory reporting limits in other analyzed samples. Bromodichloromethane is a common constituent used in laboratories or formed in chlorinated water supplies.

Four trip blanks were analyzed for Appendix I VOCs during the most recent sampling event (fall 2023 sampling). Within the four trip blanks, there were no detections above laboratory reporting limits.

Two field duplicate samples were collected during the fall 2023 sampling event (results of the spring 2023 duplicate samples are included in the spring 2023 semiannual sampling report submitted June 2023 (**IDNR Document ID# 107087**). Field duplicate sample DUP-1 was obtained from monitoring location GU-L, and field duplicate sample DUP-2 was obtained from monitoring location GU-O. Field duplicate samples were analyzed to determine the RPD between the original (parent) sample and the duplicate sample. RPD values are only calculated for constituents detected above the laboratory RL for both the parent and duplicate sample. According to *Practical Guide for Ground-Water Sampling*, Barcelona et al, November 1985, prepared in cooperation with the Robert S. Kerr Environmental Research Laboratory and the United Stated Environmental Agency's Environmental Monitoring System Laboratory: "Duplicate sample values which differ by less than ±50% relative difference indicate good error control."

Provided as an attachment, **Table 20** shows each calculated RPD value is below the recommended 50% threshold. However, it should be noted that the RPD was not calculated for silver and thallium in the GU-O/DUP-2 duplicate pair since the parent sample concentrations were below the RL. There is poor error control for silver and thallium in the GU-O/DUP-2 duplicate pair since the duplicate sample concentrations are either double or at a minimum an order of magnitude greater than the reporting limits noted in the parent sample for silver and thallium. The large discrepancy indicates possible laboratory error in the silver and thallium concentration results. Elevated thallium concentrations have been observed in multiple samples at several compliance sites during the fall monitoring period. The contracted analytical laboratory was the same for each of these compliance sites. It is assumed contamination from laboratory equipment impacted thallium concentrations in samples submitted this fall. Silver detections have not been as prevalent as thallium detections in the fall samples, but it is assumed laboratory contamination is the result of these detections above laboratory reporting limits and not a result of a release from the site. Silver and thallium detections in the fall 2023 groundwater samples did not change or alter the monitoring programs at the site monitoring wells. These concentrations will be evaluated as outliers following the next compliance sampling event conducted in spring 2024. Based on the available information, silver and thallium should not be used as the sole source of information for decision-making for compliance activities at the site for the fall 2023 compliance sampling event.

6 Corrective Action Program Update

6.1 Benzene Evaluation

An assessment of corrective measures (ACM) was completed in September 2014 and updated in January 2017 for the benzene detected in MW-20; which resulted in an SSL above the GWPS. The ACM established the recommended remedial action of monitored natural attenuation and source control measures. Source control measures were provided through optimization of landfill gas collection and leachate collection. Leachate collection was improved with the installation of six leachate extraction pumps in existing leachate collection wells. Monitored natural attenuation included analyzing benzene concentrations in MW-20 as well as eight additional downgradient delineation wells. With these remedial actions, a plume stability model included in the ACM indicated the maximum plume concentration would achieve compliance with the GWPS by 2023. The benzene GWPS is 5 µg/L. Benzene in the delineation wells have been continually below the GWPS indicating the plume is not migrating offsite. Benzene in MW-20 first dropped below the GWPS in October 2016 and was exhibiting a decreasing trend until spring of 2017 at which time the concentration slightly increased back above the GWPS but then dropped below the GWPS again in fall 2017. During the semiannual monitoring events from spring 2018 through spring 2022, benzene concentrations in MW-20 were above the GWPS. For the fall 2022 through the fall 2023 compliance sampling events, the benzene concentration in MW-20 has been below the GWPS. The fall 2023 benzene concentration measured in the MW-20 groundwater sample was 3.66 µg/L.

In late 2019, construction began to improve the Gas Collection and Control System (GCCS). Improvements include additional dewatering pumps in five of the existing gas collection wells (GW-4, GW-5, GW-11, GW-13, and GW-15), removal and replacement of dewatering pumps in five of the existing gas collection wells (GW-6, GW-7, GW-9, GW-10, and GW-14), and installation of dewatering pumps in two existing leachate collection wells (LW-1 and LW-9). These pumps were installed to actively extract more leachate within the 30-acre closed cell and increase the gas recovery by lowering the liquid levels in the gas collection wells. The improvements were completed in March 2020. In August 2021, a leachate extraction pump was placed in leachate well LW-8 to further lower leachate head levels within the closed 30-acre cell. The updated estimate to achieve compliance with the benzene GWPS at MW-20 is 2028 as shown in **Table 11**. This estimate may be adjusted based on future monitoring data.

6.2 Cobalt Evaluation

Cobalt in monitoring locations MW-18, MW-19, and MW-301 was detected at SSLs above the GWPS during the fall 2017 sampling event and at MW-20 during the fall 2018 sampling event. A notification was sent to IDNR on November 30, 2017, and December 18, 2018, respectively. The wells were placed into corrective action and an ACM and public meeting were completed for cobalt in April 2019. The selected remedy consists of a combination of monitored natural attenuation and optimization of source control measures. Delineation wells utilized for benzene delineation are also being utilized for cobalt delineation downgradient of the closed 30-acre cell. The source control measures include the improvements previously discussed in **Section 6.1**.

Landfill gas and leachate migration are typically the primary source for groundwater contamination downgradient of an unlined landfill. Cobalt contamination downgradient of the unlined closed 30-acre cell is most likely a result of leachate and groundwater interactions beneath the closed landfill. The optimization of the leachate collection system is expected to benefit groundwater quality by further assisting in leachate gradient control and reducing the potential for leachate and landfill gas impacts to groundwater. An estimate to achieve compliance with the GWPS will be refined once additional monitoring of cobalt concentrations, gas extraction, and leachate extraction is measured.

7 Recommendations

The following actions are recommended based on the groundwater sample analytical results, statistical analyses performed on the groundwater data, landfill gas monitoring, and leachate monitoring:

1. Continue collecting water level and well depth measurements on a semiannual basis at each HMSP approved monitoring location.

2. Continue benzene and cobalt ACM source control monitoring requirements in 2024 until it is no longer required by IDNR for monitoring source control effectiveness, or until an alternate monitoring program is approved.
3. TSS monitoring should remain at the HMSP approved monitoring locations during semiannual sampling events, and for any resampling events where inorganics are analyzed.

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Tables

Table 1
Monitoring Program Summary
2023 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
Permit No. 57-SDP-01-72P

Monitoring Well	Formation	Current Monitoring Program (Fall 2023)	Change for next sampling event	Constituents w/ SSI	Constituents w/ SSL	Total # of Samples in each monitoring program		
						Detection	Assessment	Corrective Action
Monitoring Wells - Background[1]								
MW-201B	Glacial Till (Sandy Lean Clay with Sand seams)	Background	NC	None	None	25	0	0
MW-9AR	Glacial Till (Sandy Lean Clay with Sand seams)	Background	NC	None	None	14	0	0
HMSP Monitoring Wells								
MW-15	Glacial Till (Clayey Sand)	Assessment	NC	Cobalt, Nickel	None	19	19	0
MW-18	Alluvial (Sand - poorly sorted)	Corrective Action	NC	Nickel, Cadmium, Silver, Thallium	Cobalt	18	8	11
MW-19	Glacial Till (Silty Clay with Sand)	Corrective Action	NC	Chlorobenzene, 1,4-Dichlorobenzene, Nickel	Cobalt	18	8	11
MW-20	Alluvial (Sand with Silt)	Corrective Action	NC	Arsenic, Barium, Chlorobenzene, Nickel	Benzene, Cobalt	2	4	31
MW-22	Glacial Till (Silty Clay with Sand)	Assessment	NC	Barium, Benzene, Nickel, Silvex (2,3,5-TP)	None	18	19	0
MW-24	Glacial Till (Clayey Silt and Sand)	Assessment	NC	Cadmium, Nickel	None	20	17	0
MW-26A	Glacial Till (Silty Fine to Medium Sand)	Assessment	NC	Cobalt, Nickel	None	20	9	0
MW-300	Glacial Till (Sandy Lean Clay)	Assessment	NC	Cobalt, Nickel	None	17	15	0
MW-301	Glacial Till (Lean Clay with Sand Seams)	Corrective Action	NC	Arsenic, Cadmium, Nickel, Silver, Thallium	Cobalt	16	3	11
MW-302R[2]	Glacial Till (Silty and Clayey Sand)	Assessment	NC	None	None	17	14	0
MW-303	Alluvial (Sand - Fine to Medium)	Assessment	NC	Cobalt, Cadmium, Nickel	None[6]	23	6	0
MW-304R[3]	Glacial Till (Lean Clay with Sand Seams)	Assessment	NC	None	None	19	10	0
MW-305	Glacial Till (Sandy Clay with Gravel)	Assessment	NC	None	None	12	13	0
MW-501	Glacial Till (Sandy Lean Clay)	Detection	NC	None	None	8	0	0
Monitoring Wells - Delineation								
MW-29	Glacial Till (Silty Clay with Sand)	Delineation	NC	None	None	37	0	0
MW-30	Glacial Till (Silty Clay with Sand)	Delineation	NC	None	None	37	0	0
MW-306	Alluvial (Sand - poorly graded)	Delineation	NC	None	None	24	0	0
MW-307A	Glacial Till (Sandy Silt with Gravel)	Delineation	NC	None	None	19	0	0
Monitoring Points - Underdrain								
GU-1	Underdrain System - Phase 13-Acre	Detection	NC	None	None	30	0	0
GU-P[5]	Underdrain System - Phase 1-4, 5A	Detection	NC	None	None	6	0	0
GU-O[4]	Underdrain System - Phase 1	Detection	NC	None	None	7	0	0
GU-L	Underdrain System - Leachate Pond	Detection	NC	None	None	29	0	0

Comments:

NC = No Change

● The total number of samples under detection, assessment, and corrective action monitoring are estimated based on the total number of samples collected and the number of Appendix II sampling events. The number of sampling events in each monitoring program are estimated and are not considered exact.

● [1] Background wells were updated during the 2021 HMSP update to include MW-9AR and MW-201B (MW-211A, MW-214, and MW-215 were removed from the network).

● [2] MW-302 was replaced with MW-302R on 09/07/2021 in the same location.

● [3] MW-304 was replaced with MW-304R on 08/31/2020 in the same location.

● [4] Underdrain GU-O has been included as a monitoring point for the underdrain system. GU-O was sampled quarterly, beginning with the first quarter of 2022, until 5 samples were obtained, at which point Intrawell Upper Prediction Limits are used to evaluate samples. GU-O monitors a portion of groundwater below Phase 1.

● [5] GU-2, GU-3, GU-4 & GU-5 sampling locations were abandoned during the construction of Phase 5A. The groundwater underdrain systems for Phase 1 (GU-2), Phase 2 (GU-3), Phase 3 (GU-4) and Phase 4 (GU-5) were connected to the underdrain system within Phase 5A. The new groundwater underdrain monitoring location is known as GU-P and will be pumped from a groundwater sump beneath Phase 5A via a sideslope riser. GU-P was sampled quarterly, beginning with the first quarter of 2022, until 5 samples were obtained, at which point Intrawell Upper Prediction Limits are used to evaluate samples.

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Table 2
Monitoring Program Implementation Schedule
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	Recent Sampling Dates and Constituents						Upcoming Sampling Dates and Constituents		Full Appendix II Sample Dates	
Monitoring Well	**October 2022**	**December 2022**	**April 2023**	**June 2023**	**October 2023**	**December 2023**	**April 2024**	**October 2024**	**Previously Collected**	**Next Event**
Monitoring Wells - Background										
MW-201B	Appendix I, TSS, Sulfide	--	Appendix I, TSS, Sulfide	--	Appendix I, TSS, Sulfide	--	Appendix I, TSS, Sulfide	Appendix I, TSS, Sulfide	10/31/2016 (no detections)	N/A
MW-9AR	Appendix I, TSS, Sulfide	--	Appendix I, TSS, Sulfide	--	Appendix I, TSS, Sulfide	--	Appendix I, TSS, Sulfide	Appendix I, TSS, Sulfide	11/01/2018 (no detections)	N/A
HMSP Monitoring Wells										
MW-15	Full Appendix II, TSS	--	Appendix I, TSS	--	Appendix I, TSS	--	Appendix I, TSS	Appendix I, TSS	6/22/2009, 9/29/2009, 12/2/2009, 3/9/2010, 9/13/2010, 9/20/2011, 12/11/2017, 10/12/2022	Fall 2027
MW-18	Full Appendix II, TSS	--	Appendix I, TSS	--	Appendix I, TSS	--	Appendix I, TSS	Appendix I, TSS	3/30/2009, 6/22/2009, 9/30/2009, 12/3/2009, 9/13/2010, 9/20/2011, 10/5/2017, 10/12/2022	Fall 2027
MW-19	Appendix I, TSS	--	Appendix I, TSS	--	Appendix I, TSS	--	Appendix I, TSS	Appendix I, TSS	3/30/2009, 6/22/2009, 9/30/2009, 12/3/2009, 9/13/2010, 9/21/2011, 11/2/2016, 10/19/2021	Fall 2026
MW-20	Appendix I, TSS	--	Appendix I, TSS	--	Appendix I, TSS	--	Appendix I, TSS	Appendix I, TSS	3/30/2009, 6/22/2009, 9/30/2009, 12/3/2009, 9/13/2010, 9/20/2011, 11/3/2016, 10/19/2021	Fall 2026
MW-22	Appendix I, TSS, beta-BHC, 2,4,5-TP (Silvex)	--	Appendix I, TSS, beta-BHC, 2,4,5-TP (Silvex)	--	Appendix I, TSS, beta-BHC, 2,4,5-TP (Silvex)	--	Appendix I, TSS, beta-BHC, 2,4,5-TP (Silvex)	Appendix I, TSS, beta-BHC, 2,4,5-TP (Silvex)	6/22/2009, 9/29/2009, 12/2/2009, 3/8/2010, 9/13/2010, 9/22/2011, 11/4/2016, 10/18/2021	Fall 2026
MW-24	Full Appendix II, TSS	--	Appendix I, TSS	--	Appendix I, TSS	--	Appendix I, TSS	Appendix I, TSS	6/24/2010, 8/19/2010, 9/13/2010, 12/6/2010, 9/22/2011, 12/11/2017, 10/12/2022	Fall 2027
MW-26A	No Sample - Well Dry	--	Appendix I, TSS	--	No Sample - Well Dry	--	Full Appendix II, TSS	Appendix I, TSS	8/19/2010, 9/13/2010, 3/8/2011, 6/16/2011, 7/17/2018, 11/1/2018	Spring 2024
MW-300	Appendix I, TSS	--	Appendix I, TSS	--	Appendix I, TSS	--	Appendix I, TSS	Appendix I, TSS	6/16/2011, 9/21/2011, 12/7/2011, 3/28/2012, 11/2/2016, 10/19/2021	Fall 2026
MW-301	Appendix I, TSS	--	Appendix I, TSS	--	Appendix I, TSS	--	Appendix I, TSS	Appendix I, TSS	6/16/2011, 9/20/2011, 12/7/2011, 3/27/2012, 12/4/2014, 11/4/2016, 10/19/2021	Fall 2026
MW-302R	Full Appendix II, TSS	--	Appendix I, TSS	--	Appendix I, TSS	--	Appendix I, TSS	Appendix I, TSS	12/11/2017, 10/12/2022	Fall 2027
MW-303	Appendix I, TSS, 2,4-D, gamma-BHC (Lindane), Heptachlor (Quarterly)	--	Appendix I, TSS, 2,4-D, gamma-BHC (Lindane), Heptachlor	Cadmium, Cobalt, 4,4'-DDT, TSS	Appendix I, TSS, 2,4-D, gamma-BHC (Lindane), Heptachlor	--	Appendix I, TSS, 2,4-D, gamma-BHC (Lindane), Heptachlor	Appendix I, TSS, 2,4-D, gamma-BHC (Lindane), Heptachlor	12/2/2021	Fall 2026
MW-304R	Appendix I, TSS	--	Appendix I, TSS	--	Appendix I, TSS	--	Full Appendix II, TSS	Appendix I, TSS	5/14/2019	Spring 2024
MW-305	Full Appendix II, TSS	--	Appendix I, TSS	--	Appendix I, TSS	--	Appendix I, TSS	Appendix I, TSS	12/11/2017, 10/12/2022	Fall 2027
MW-501	Appendix I, TSS	--	Appendix I, TSS	--	Appendix I, TSS	--	Appendix I, TSS	Appendix I, TSS	N/A	N/A
Monitoring Wells - Delineation										
MW-29	Benzene & Cobalt, TSS	--	Benzene & Cobalt, TSS	--	Benzene & Cobalt, TSS	--	Benzene & Cobalt, TSS	Benzene & Cobalt, TSS	N/A	N/A
MW-30	Benzene & Cobalt, TSS	--	Benzene & Cobalt, TSS	--	Benzene & Cobalt, TSS	--	Benzene & Cobalt, TSS	Benzene & Cobalt, TSS	N/A	N/A
MW-306	Benzene & Cobalt, TSS	--	Benzene & Cobalt, TSS	--	Benzene & Cobalt, TSS	--	Benzene & Cobalt, TSS	Benzene & Cobalt, TSS	N/A	N/A
MW-307A	Benzene & Cobalt, TSS	--	Benzene & Cobalt, TSS	--	Benzene & Cobalt, TSS	--	Benzene & Cobalt, TSS	Benzene & Cobalt, TSS	N/A	N/A
Monitoring Points - Underdrain										
GU-1	Appendix I, TSS	--	Appendix I, TSS	Silver, Thallium	Appendix I, TSS	Zinc, TSS	Appendix I, TSS	Appendix I, TSS	N/A	N/A
GU-P	Appendix I, TSS	--	Appendix I, TSS	Silver, Thallium	Appendix I, TSS	Barium, TSS	Appendix I, TSS	Appendix I, TSS	N/A	N/A
GU-O	Appendix I, TSS	--	Appendix I, TSS	--	Appendix I, TSS	--	Appendix I, TSS	Appendix I, TSS	N/A	N/A
GU-L	Appendix I, TSS	Arsenic, Lead, Zinc, TSS	Appendix I, TSS	--	Appendix I, TSS	--	Appendix I, TSS	Appendix I, TSS	N/A	N/A

Comments:

- MW-22 was sampled for Full Appendix II during the October 2021 sampling event. Two Appendix II constituents were observed: beta-BHC and 2,4,5-TP Silvex. MW-22 has had historical analysis for both 2,4,-TP [Silvex} and beta-BHC, so MW-22 will be sampled semiannually for these constituents.
- MW-303 was sampled for Full Appendix II in December 2021. Three Appendix II constituents were detected: 2,4-D, gamma-NHC (Lindane), and Heptachlor. MW-303 has had historical analysis for these Appendix II constituents, so MW-303 will be sampled semiannually for these constituents.

Table 3
Monitoring Well Maintenance and Performance Reevaluation Schedule
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Compliance with:	Monitoring Calendar Years						
	2018	2019	2020	2021	2022	2023	2024
567 IAC 113.10(2)"f"(1): high and low water levels (semiannual)		Completed		Completed		Completed	
567 IAC 113.10(2)"f"(2): changes in the hydrologic setting and flow paths		Completed		Completed		Completed	
567 IAC 113.10(2)"f"(3): well depths	Completed	Completed	Completed	Completed	Completed	Completed	Scheduled
567 IAC 113.10(2)"f"(4): well recharge rates and chemistry		Completed		Completed		Completed	
567 IAC 113.6(2)"i": Waste separation from ground water	Completed	Completed	Completed	Completed	Completed	Completed	Scheduled

Comments:
- Semiannual groundwater elevations are consistent with historical elevations, as shown on Table 13 "Historical Groundwater Elevations".
- Monitoring well depths are shown on field sampling forms in Attachment 3 and are consistent with historical depths.
- Waste separation from groundwater measurements and discussion are shown in Table 4.

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Table 4A
Monitoring Well Maintenance and Performance Summary
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Well	Top of casing (ft. amsl)	Top of Screen (ft. amsl)	Total Depth (ft)		Date of Measurements		Maximum Depth Discrepancy (ft)		Fall 2023 GW Levels (at start and end of purging)	Sufficient to Sample
					Spring 2023	Fall 2023			(ft. below TOC)	(YES/NO)
MW-9AR	863.70	851.60	22.09	Groundwater Level (ft)	7.42	10.45	-0.03	*Start:*	10.45	YES
				Groundwater Elevation (Ft MSL)	856.28	853.25				
				Measured Well Depth (ft)	22.12	22.12		*End:*	10.89	
				Submerged screen	Y	Y				
MW-15	820.16	809.70	20.46	Groundwater Level (ft)	8.02	10.88	-0.05	*Start:*	10.88	YES
				Groundwater Elevation (Ft MSL)	812.14	809.28				
				Measured Well Depth (ft)	20.51	20.51		*End:*	12.20	
				Submerged screen	Y	N				
MW-18	830.04	820.4	19.64	Groundwater Level (ft)	8.65	10.93	-0.24	*Start:*	10.93	YES
				Groundwater Elevation (Ft MSL)	821.39	819.11				
				Measured Well Depth (ft)	19.88	N.M.		*End:*	11.02	
				Submerged screen	Y	N				
MW-19	847.13	837.59	19.54	Groundwater Level (ft)	7.12	10.09	-0.52	*Start:*	10.09	YES
				Groundwater Elevation (Ft MSL)	840.01	837.04				
				Measured Well Depth (ft)	20.06	N.M.		*End:*	10.47	
				Submerged screen	Y	N				
MW-20	822.25	810.2	22.76	Groundwater Level (ft)	10.63	13.09	-0.24	*Start:*	13.09	YES
				Groundwater Elevation (Ft MSL)	811.62	809.16				
				Measured Well Depth (ft)	22.83	23.00		*End:*	13.31	
				Submerged screen	Y	N				
MW-22	834.04	827.36	16.68	Groundwater Level (ft)	3.19	4.45	0.42	*Start:*	4.45	YES
				Groundwater Elevation (Ft MSL)	830.85	829.59				
				Measured Well Depth (ft)	16.34	16.26		*End:*	6.35	
				Submerged screen	Y	Y				
MW-24	820.27	811.70	12.71	Groundwater Level (ft)	10.42	12.14	-0.17	*Start:*	12.14	YES
				Groundwater Elevation (Ft MSL)	809.85	808.13				
				Measured Well Depth (ft)	12.85	12.88		*End:*	12.32	
				Submerged screen	N	N				
MW-26A	828.26	813.46	19.8	Groundwater Level (ft)	18.46	Dry	-0.27	*Start:*	Dry	NO
				Groundwater Elevation (Ft MSL)	809.80	Dry				
				Measured Well Depth (ft)	20.06	20.07		*End:*	Dry	
				Submerged screen	N	N				

Table 4A
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Well	Top of casing (ft. amsl)	Top of Screen (ft. amsl)	Total Depth (ft)		Date of Measurements		Maximum Depth Discrepancy (ft)		Fall 2023 GW Levels (at start and end of purging)	Sufficient to Sample
					Spring 2023	Fall 2023			(ft. below TOC)	(YES/NO)
MW-29	819.26	811.63	17.14	Groundwater Level (ft)	7.51	10.08	-0.19	*Start:*	10.08	YES
				Groundwater Elevation (Ft MSL)	811.75	809.18				
				Measured Well Depth (ft)	17.16	17.33		*End:*	10.20	
				Submerged screen	Y	N				
MW-30	818.74	811.16	17.21	Groundwater Level (ft)	7.55	10.12	-0.25	*Start:*	10.12	YES
				Groundwater Elevation (Ft MSL)	811.19	808.62				
				Measured Well Depth (ft)	17.46	N.M.		*End:*	10.18	
				Submerged screen	Y	N				
MW-201B	871.06	818.41	62.65	Groundwater Level (ft)	23.55	26.31	-0.69	*Start:*	26.31	YES
				Groundwater Elevation (Ft MSL)	847.51	844.75				
				Measured Well Depth (ft)	63.34	N.M.		*End:*	26.44	
				Submerged screen	Y	Y				
MW-300	855.57	849.19	16.38	Groundwater Level (ft)	6.50	9.85	0.17	*Start:*	9.85	YES
				Groundwater Elevation (Ft MSL)	849.07	845.72				
				Measured Well Depth (ft)	16.21	N.M.		*End:*	9.95	
				Submerged screen	N	N				
MW-301	824.10	812.47	20.10	Groundwater Level (ft)	11.82	14.09	-0.24	*Start:*	14.09	YES
				Groundwater Elevation (Ft MSL)	812.28	810.01				
				Measured Well Depth (ft)	20.34	20.33		*End:*	15.31	
				Submerged screen	N	N				
MW-302R[1]	823.05	804.99	28.06	Groundwater Level (ft)	5.52	6.15	-0.02	*Start:*	6.15	YES
				Groundwater Elevation (Ft MSL)	817.53	816.90				
				Measured Well Depth (ft)	28.08	N.M.		*End:*	6.28	
				Submerged screen	Y	Y				
MW-303	826.76	817.91	20.85	Groundwater Level (ft)	17.32	19.34	-0.16	*Start:*	19.34	YES
				Groundwater Elevation (Ft MSL)	809.44	807.42				
				Measured Well Depth (ft)	21.01	N.M.		*End:*	19.43	
				Submerged screen	N	N				

Table 4A
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Well	Top of casing (ft. amsl)	Top of Screen (ft. amsl)	Total Depth (ft)		Date of Measurements Spring 2023	Fall 2023	Maximum Depth Discrepancy (ft)		Fall 2023 GW Levels (at start and end of purging) (ft. below TOC)	Sufficient to Sample (YES/NO)
MW-304R[2]	834.09	814.59	29.59	Groundwater Level (ft)	24.40	26.91	0.16	*Start:*	26.91	YES
				Groundwater Elevation (Ft MSL)	809.69	807.18				
				Measured Well Depth (ft)	29.43	29.61		*End:*	28.09	
				Submerged screen	N	N				
MW-305	826.76	809.77	31.99	Groundwater Level (ft)	15.02	18.20	-0.29	*Start:*	18.20	YES
				Groundwater Elevation (Ft MSL)	811.74	808.56				
				Measured Well Depth (ft)	32.28	32.22		*End:*	18.63	
				Submerged screen	Y	N				
MW-306	821.40	813.49	22.91	Groundwater Level (ft)	10.39	13.49	0.20	*Start:*	13.49	YES
				Groundwater Elevation (Ft MSL)	811.01	807.91				
				Measured Well Depth (ft)	22.71	N.M.		*End:*	13.58	
				Submerged screen	N	N				
MW-307A	822.41	811.78	20.63	Groundwater Level (ft)	9.94	11.13	0.19	*Start:*	11.13	YES
				Groundwater Elevation (Ft MSL)	812.47	811.28				
				Measured Well Depth (ft)	20.44	N.M.		*End:*	11.22	
				Submerged screen	Y	N				
MW-501	830.87	818.95	35.92	Groundwater Level (ft)	15.68	19.08	0.16	*Start:*	19.08	YES
				Groundwater Elevation (Ft MSL)	815.19	811.79				
				Measured Well Depth (ft)	35.76	N.M.		*End:*	19.36	
				Submerged screen	N	N				

Notes:

[1] MW-302 was replaced with MW-302R on 09/07/2021 in the same location.

[2] MW-304 was replaced with MW-304R on 08/31/2020 in the same location.

Comments:

In addition to measuring depth to groundwater (static water level) before and after sampling, field parameters were measured to verify and document the presence of a stable and representative sample medium as well to chemically determine if monitoring well deterioration is occurring. A multi-parameter meter (YSI Pro DSS with flow cell) was used to obtain geochemical measurements including temperature, conductivity, oxidation-reduction potential, dissolved oxygen, turbidity, and pH of the groundwater purged from the monitoring wells prior to sampling. Geochemical measurements collected during purging were recorded on the field sampling forms which are provided in Attachment 3.

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Table 4B
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Groundwater Underdrain Piezometer

Well		Date of Measurements											
		Jan. 2023	Feb. 2023	Mar. 2023	Apr. 2023	May 2023	June 2023	July 2023	Aug. 2023	Sept. 2023	Oct. 2023	Nov. 2023	Dec. 2023
GU-1	Bottom of waste (feet AMSL)	820.00	820.00	820.00	820.00	820.00	820.00	820.00	820.00	820.00	820.00	820.00	820.00
	GW Elevation (feet AMSL)	812	811.8	812.1	811.81	812.56	812.31	812.06	812.06	811.90	812.4	815.4	815.7
	Separation distance (feet)	8.02	8.19	7.94	8.19	7.44	7.69	7.94	7.94	8.10	7.58	**4.61**	**4.33**
PZ-P1	Bottom of waste (feet AMSL)	770.45	770.45	770.45	770.45	770.45	770.45	770.45	770.45	770.45	770.45	770.45	770.45
	GW Elevation (feet AMSL)	761.50	764.30	764.10	763.50	764.00	764.10	761.70	761.40	762.10	760.60	761.60	763.30
	Separation distance (feet)	8.95	6.15	6.35	6.95	6.45	6.35	8.75	9.05	8.35	9.85	8.85	7.15
PZ-P3	Bottom of waste (feet AMSL)	772.60	772.60	772.60	772.60	772.60	772.60	772.60	772.60	772.60	772.60	772.60	772.60
	GW Elevation (feet AMSL)	765.2	765.2	765.1	765.2	765.1	765.2	765.2	765.1	765.3	765.1	765.2	765.3
	Separation distance (feet)	7.44	7.44	7.54	7.44	7.54	7.44	7.44	7.54	7.34	7.54	7.44	7.34
PZ-P5A	Bottom of waste (feet AMSL)	769.22	769.22	769.22	769.22	769.22	769.22	769.22	769.22	769.22	769.22	769.22	769.22
	GW Elevation (feet AMSL)	761.58	761.93	761.93	762.06	761.88	761.63	761.73	761.98	761.99	761.85	761.93	762.01
	Separation distance (feet)	7.64	7.29	7.29	7.16	7.34	7.59	7.49	7.24	7.23	7.37	7.29	7.21

Comments:
In accordance with IAC 113.6(2)"i", groundwater elevation is monitored below the lined landfill to ensure a minimum 5-foot separation distance is maintained between the base of the waste and the high water table. Groundwater elevations are measured at the GU-1 underdrain sump by measuring the depth to water and by using dedicated transducers at Phase 1 (PZ-P1), Phase 3 (PZ-P3), and Phase 5A (PZ-P5A). Elevations are provided by Randy Gavin at O.A. Technical services (licensed Iowa Well Driller; ID#2603).
Due to construction activities at the 30-acre cell and utility work, the GU-1 underdrain sump pump was not operational during the November and December 2023 gauging events. As a result, the groundwater to waste separation was less than 5-feet at the GU-1 underdrain sump. Utility work was completed at the end of December 2023, and the underdrain sump pump was restarted. When measured on January 2, 2024, the groundwater to waste separation distance was 7.40 feet at the GU-1 sump.

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Table 5
Background and GWPS Summary
2023 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
Permit No. 57-SDP-01-72P

Interwell Background/GWPS (Low Flow Sampling Data - April 2015 to Current) - Background for All Monitoring Wells											
Constituents	**CAS #**	**Units**	**Total Samples**	**Detections**	**Min**	**Max**	**Mean**	**Background Level**	**Statistical Test**	**GWPS**	**Source**
2-Butanone (MEK)	78-93-3	µg/l	32	1	4.61	4.61	4.61	10 (RL)	DQG	4,000	SWS
Acetone	67-64-1	µg/l	32	2	4.08	29.9	16.99	10 (RL)	DQR	6,300	SWS
Antimony	7440-36-0	mg/l	32	15	0.000373	0.0023	0.0010681	0.00230	NP Inter (NDs) 1 of 2	0.006	MCL
Arsenic	7440-38-2	mg/l	32	28	0.000538	0.00436	0.0016976	0.00435	Param Inter 1 of 2	0.01	MCL
Barium	7440-39-3	mg/l	32	32	0.0387	0.575	0.2829469	0.575	NP Inter (Normality) 1 of 2	2	MCL
Beryllium	7440-41-7	mg/l	32	2	0.00006	0.000317	0.0001885	0.000330	NP Inter (NDs) 1 of 2	0.004	MCL
Bromomethane	74-83-9	µg/l	32	1	0.286	0.286	0.286	4 (RL)	DQR	10	SWS
Cadmium	7440-43-9	mg/l	32	3	0.000065	0.000139	0.000095	0.000139	NP Inter (NDs) 1 of 2	0.005	MCL
Carbon Disulfide	75-15-0	µg/l	32	2	0.18	0.679	0.4295	1 (RL)	DQR	700	SWS
Chloroform	67-66-3	µg/l	32	1	0.293	0.293	0.293	3 (RL)	DQR	80	SWS
Chromium	7440-47-3	mg/l	32	6	0.00207	0.0134	0.00519	0.0134	NP Inter (NDs) 1 of 2	0.1	MCL
Cobalt	7440-48-4	mg/l	32	24	0.000104	0.00288	0.0007039	0.00288	Param Inter 1 of 2	0.00288	UPL
Copper	7440-50-8	mg/l	32	10	0.00183	0.00792	0.00347	0.00792	NP Inter (NDs) 1 of 2	1.3	MCL
Di-n-octylphthalate	117-84-0	µg/l	1	1	1.66	1.66	1.66	21.1 (RL)	DQR	140	SWS
Endosulfan I	959-98-8	µg/l	8	1	0.00226	0.00226	0.00226	0.0337 (RL)	DQR	42	SWS
Heptachlor	76-44-8	µg/l	7	1	0.00268	0.00268	0.00268	0.0337 (RL)	DQR	0.4	SWS
Lead	7439-92-1	mg/l	32	14	0.000211	0.00704	0.0019126	0.00704	NP Inter (NDs) 1 of 2	0.015	MCL
Methylene Chloride	75-09-2	µg/l	32	2	0.202	0.336	0.269	5 (RL)	DQR	5	MCL
Nickel	7440-02-0	mg/l	32	10	0.00103	0.00561	0.003287	0.00561	NP Inter (NDs) 1 of 2	0.1	SWS
Selenium	7782-49-2	mg/l	32	3	0.000965	0.00149	0.001225	0.00149	NP Inter (NDs) 1 of 2	0.05	MCL
Sulfide	18496-25-8	mg/l	29	2	0.482	23.2	11.841	10.0	NP Inter (NDs) 1 of 2	N/A	N/A
Thallium	7440-28-0	mg/l	32	5	0.000059	0.000968	0.0004254	0.000899	NP Inter (NDs) 1 of 2	0.002	MCL
Total Suspended Solids	STL00161	mg/L	31	31	0.875	543	42.6882258	N/A	N/A	N/A	N/A
Vanadium	7440-62-2	mg/l	32	7	0.000981	0.00796	0.0032301	0.00796	NP Inter (NDs) 1 of 2	0.035	SWS
Xylenes, Total	1330-20-7	µg/l	32	2	0.42	0.519	0.4695	3 (RL)	DQR	10,000	MCL
Zinc	7440-66-6	mg/l	32	7	0.0102	0.0273	0.0164286	0.02	NP Inter (NDs) 1 of 2	2	SWS

Intrawell Background/GWPS (Historic Sampling Data - July 2011 to Present) - Background for Groundwater Underdrain GU-1											
Constituents	**CAS #**	**Units**	**Total Samples**	**Detections**	**Min**	**Max**	**Mean**	**Background Level**	**Statistical Test**	**GWPS**	**Source**
1,1-Dichloroethane	75-34-3	µg/l	28	1	0.259	0.259	0.259	1 (RL)	DQR	140	SWS
2-Butanone (MEK)	78-93-3	µg/l	28	5	2.37	3.38	2.826	10 (RL)	DQR	4,000	SWS
Acetone	67-64-1	µg/l	31	18	2.62	40.6	8.222778	10 (RL)	DQR	6,300	SWS
Antimony	7440-36-0	mg/l	30	1	0.00192	0.00192	0.00192	0.00069	NP (NDs) 1 of 2	0.006	MCL

Table 5
Background and GWPS Summary
2023 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
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Intrawell Background/GWPS (Historic Sampling Data - July 2011 to Present) - Background for Groundwater Underdrain GU-1											
Constituents	CAS #	Units	Total Samples	Detections	Min	Max	Mean	Background Level	Statistical Test	GWPS	Source
Arsenic	7440-38-2	mg/l	31	30	0.000711	0.0789	0.012609	0.0876	Param 1 of 2	0.0876	UPL
Barium	7440-39-3	mg/l	31	30	0.205	1.44	0.602467	1.61	Param 1 of 2	2	MCL
Benzene	71-43-2	µg/l	29	21	0.202	0.945	0.411714	0.5 (RL)	DQR	5	SWS
Beryllium	7440-41-7	mg/l	30	1	0.000083	0.000083	0.000083	0.00027	NP (NDs) 1 of 2	0.004	MCL
Bromomethane	74-83-9	µg/l	28	2	0.222	0.43	0.326	4 (RL)	DQR	10	SWS
Chromium	7440-47-3	mg/l	30	8	0.000603	0.00341	0.001545	0.00148	NP (NDs) 1 of 2	0.1	MCL
cis-1,2-Dichloroethene	156-59-2	µg/l	28	5	0.181	0.38	0.2638	1 (RL)	DQR	70.000	SWS
Cobalt	7440-48-4	mg/l	31	26	0.000834	0.0198	0.003786	0.021	Param 1 of 2	0.021	UPL
Copper	7440-50-8	mg/l	30	4	0.000748	0.00813	0.003187	0.00320	NP (NDs) 1 of 2	1.3	MCL
Lead	7439-92-1	mg/l	30	6	0.000201	0.00387	0.000997	0.000943	NP (NDs) 1 of 2	0.015	MCL
Methylene Chloride	75-09-2	µg/l	28	5	0.224	0.591	0.425	5 (RL)	DQR	5	MCL
Nickel	7440-02-0	mg/l	31	25	0.0203	0.0629	0.046396	0.0728	Param 1 of 2	0.1	SWS
Selenium	7782-49-2	mg/l	30	4	0.000703	0.00298	0.001716	0.00334	NP (NDs) 1 of 2	0.05	MCL
Silver	7440-22-4	mg/l	31	3	0.000222	0.0033	0.001644	0.000490	NP (NDs) 1 of 2	0.1	SWS
Thallium	7440-28-0	mg/l	31	3	0.000048	0.00198	0.000948	0.000817	NP (NDs) 1 of 2	0.002	MCL
Total Suspended Solids	STL00161	mg/L	23	20	13.1	836	158.955	N/A	N/A	N/A	N/A
Vanadium	7440-62-2	mg/l	30	4	0.000278	0.00291	0.001176	0.00291	NP (NDs) 1 of 2	0.035	SWS
Vinyl Chloride	75-01-4	µg/l	28	5	0.235	0.701	0.3696	1 (RL)	DQR	2	SWS
Zinc	7440-66-6	mg/l	31	10	0.00837	0.158	0.043357	0.0200	NP (NDs) 1 of 2	2	SWS

Intrawell Background/GWPS (Historic Sampling Data - March 2011 to Present) - Background for Groundwater Underdrain GU-L											
Constituents	CAS #	Units	Total Samples	Detections	Min	Max	Mean	Background Level	Statistical Test	GWPS	Source
1,1-Dichloroethane	75-34-3	µg/l	29	4	0.346	1.33	1.0515	1 (RL)	DQR	140	SWS
Acetone	67-64-1	µg/l	29	2	3.28	4.47	3.875	10 (RL)	DQR	6,300	SWS
Antimony	7440-36-0	mg/l	29	3	0.000192	0.00111	0.000508	0.00111	NP (NDs) 1 of 2	0.006	MCL
Arsenic	7440-38-2	mg/l	31	12	0.000902	0.0264	0.004023	0.00874	Param 1 of 2	0.01	MCL
Barium	7440-39-3	mg/l	29	28	0.0145	0.337	0.104093	0.119	Param 1 of 2	2	MCL
Beryllium	7440-41-7	mg/l	29	1	0.000195	0.000195	0.000195	0.00027	NP (NDs) 1 of 2	0.004	MCL
Bromomethane	74-83-9	µg/l	29	1	0.765	0.765	0.765	4 (RL)	DQR	10	SWS
Cadmium	7440-43-9	mg/l	29	1	0.000398	0.000398	0.000398	0.0000550	NP (NDs) 1 of 2	0.005	MCL
Chromium	7440-47-3	mg/l	29	2	0.00131	0.00267	0.00199	0.00131	NP (NDs) 1 of 2	0.1	MCL
cis-1,2-Dichloroethene	156-59-2	µg/l	29	1	0.855	0.855	0.855	1 (RL)	DQR	70	SWS
Cobalt	7440-48-4	mg/l	30	22	0.000072	0.0129	0.003639	0.0187	Param 1 of 2	0.0021	SWS
Copper	7440-50-8	mg/l	29	3	0.000705	0.00319	0.002055	0.00320	NP (NDs) 1 of 2	1.3	MCL
Lead	7439-92-1	mg/l	30	3	0.000274	0.00125	0.9247	0.000240	NP (NDs) 1 of 2	0.015	MCL
Methylene Chloride	75-09-2	µg/l	28	3	0.298	0.898	0.49933333	5 (RL)	DQR	5	MCL
Nickel	7440-02-0	mg/l	30	15	0.000967	0.00971	0.0047318	0.0104	Param 1 of 2	0.1	SWS

Table 5
Background and GWPS Summary
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Intrawell Background/GWPS (Historic Sampling Data - March 2011 to Present) - Background for Groundwater Underdrain GU-L											
Constituents	CAS #	Units	Total Samples	Detections	Min	Max	Mean	Background Level	Statistical Test	GWPS	Source
Silver	7440-22-4	mg/l	29	3	0.000144	0.0035	0.001365	0.000490	NP (NDs) 1 of 2	0.1	SWS
Total Suspended Solids	STL00161	mg/L	19	15	1	91	16.08733	N/A	N/A	N/A	N/A
Trichloroethene	79-01-6	µg/l	29	1	0.289	0.289	0.289	1 (RL)	DQR	5	SWS
Vanadium	7440-62-2	mg/l	29	2	0.00255	0.00646	0.004505	0.00110	NP (NDs) 1 of 2	0.035	SWS
Zinc	7440-66-6	mg/l	30	8	0.00764	0.0426	0.024603	0.0163	NP (NDs) 1 of 2	2	SWS

Intrawell Background/GWPS (Historic Sampling Data - October 2021 to Present) - Background for Groundwater Underdrain GU-O											
Constituents	CAS #	Units	Total Samples	Detections	Min	Max	Mean	Background Level	Statistical Test	GWPS	Source
Arsenic	7440-38-2	mg/l	8	8	0.00225	0.00455	0.002871	0.00942	Param 1 of 2	0.01	MCL
Barium	7440-39-3	mg/l	8	8	0.165	0.372	0.311125	0.876	Param 1 of 2	2	MCL
Cadmium	7440-43-9	mg/l	8	1	0.000073	0.000073	0.000073	0.0000730	NP (NDs) 1 of 2	0.005	MCL
Cobalt	7440-48-4	mg/l	8	7	0.000282	0.00115	0.000504	0.00756	Param 1 of 2	0.0021	SWS
Methylene Chloride	75-09-2	µg/l	8	1	0.343	0.343	0.343	5 (RL)	DQR	5	MCL
Total Suspended Solids	STL00161	mg/L	8	8	18.3	34.9	26.15	N/A	N/A	N/A	N/A
Vinyl Chloride	75-01-4	µg/l	8	4	0.251	0.452	0.338	1 (RL)	DQR	2	SWS

Intrawell Background/GWPS (Historic Sampling Data - February 2022 to Present) - Background for Groundwater Underdrain GU-P											
Constituents	CAS #	Units	Total Samples	Detections	Min	Max	Mean	Background Level	Statistical Test	GWPS	Source
Arsenic	7440-38-2	mg/l	6	6	0.00175	0.00309	0.00243	0.00804	Param Intra 1 of 2	0.01	MCL
Barium	7440-39-3	mg/l	7	6	0.267	0.308	0.292	0.298	NP Intra (Normality) 1 of 2	2	MCL
Chromium	7440-47-3	mg/l	6	1	0.00117	0.00117	0.00117	0.00117	NP Intra (NDs) 1 of 2	0.1	MCL
Cobalt	7440-48-4	mg/l	6	6	0.000645	0.001300	0.000989	0.00207	Param Intra 1 of 2	0.0021	SWS
Lead	7439-92-1	mg/l	6	1	0.000526	0.000526	0.000526	0.000526	NP Intra (NDs) 1 of 2	0.015	MCL
Nickel	7440-02-0	mg/l	6	1	0.00199	0.00199	0.00199	0.00199	NP Intra (NDs) 1 of 2	0.1	SWS
Total Suspended Solids	STL00161	mg/l	8	7	5.330	56.5	18.80	N/A	N/A	N/A	N/A
Vanadium	7440-62-2	mg/l	6	1	0.00173	0.00173	0.00173	0.00173	NP Intra (NDs) 1 of 2	0.035	SWS

Notes:

UPL - Upper Prediction Limit
SWS - Statewide Standard (Iowa)
MCL - Maximum Contaminant Level (Environmental Protection Agency)

Comments:

Background for interwell analysis consists of pooled data from MW-9AR and MW-201B. Data collected in the background monitoring wells during low-flow sampling procedures from April 2015 to the current data is utilized for interwell upper prediction limit (UPL) analysis of all downgradient monitoring wells. All data is used for UPL analysis for underdrains. Analysis of both background data sets are provided above.

As shown in the table above, the background levels (i.e. UPL) calculated during low-flow sampling procedures are below the established GWPS (with the exception of cobalt); therefore, the GWPS are established as the EPA MCL or the Iowa SWS. The background levels calculated for the groundwater underdrains exceed the EPA MCL and/or Iowa SWS for some of the inorganic constituents; therefore, those constituents utilize the background level as the GWPS for analysis of the groundwater underdrains.

All groundwater underdrain (GU-1, GU-L, GU-O and GU-P) UPLs are determined through intrawell analysis.

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Summary of Prediction Limits & Groundwater Protection Standards
2023 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
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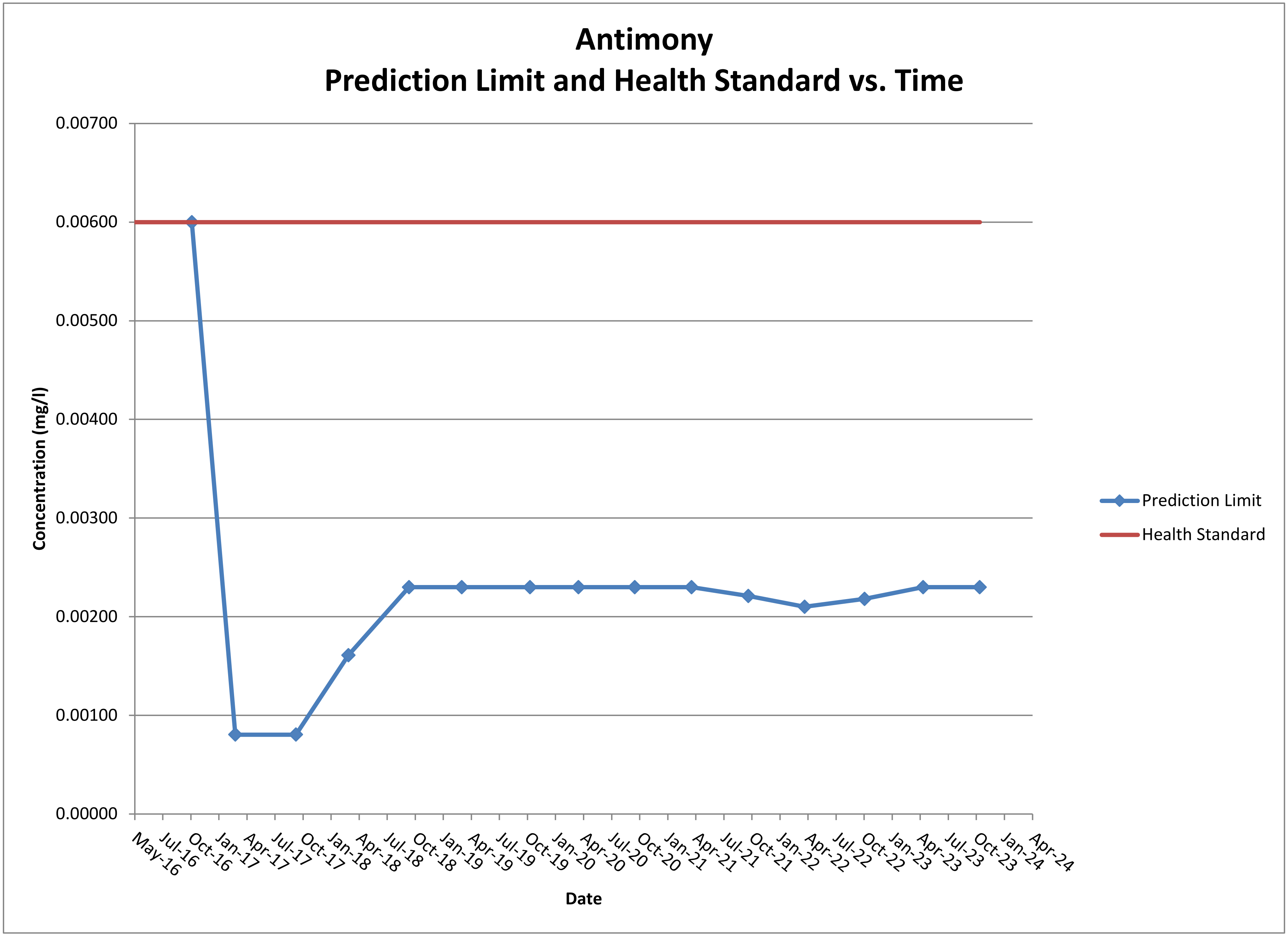
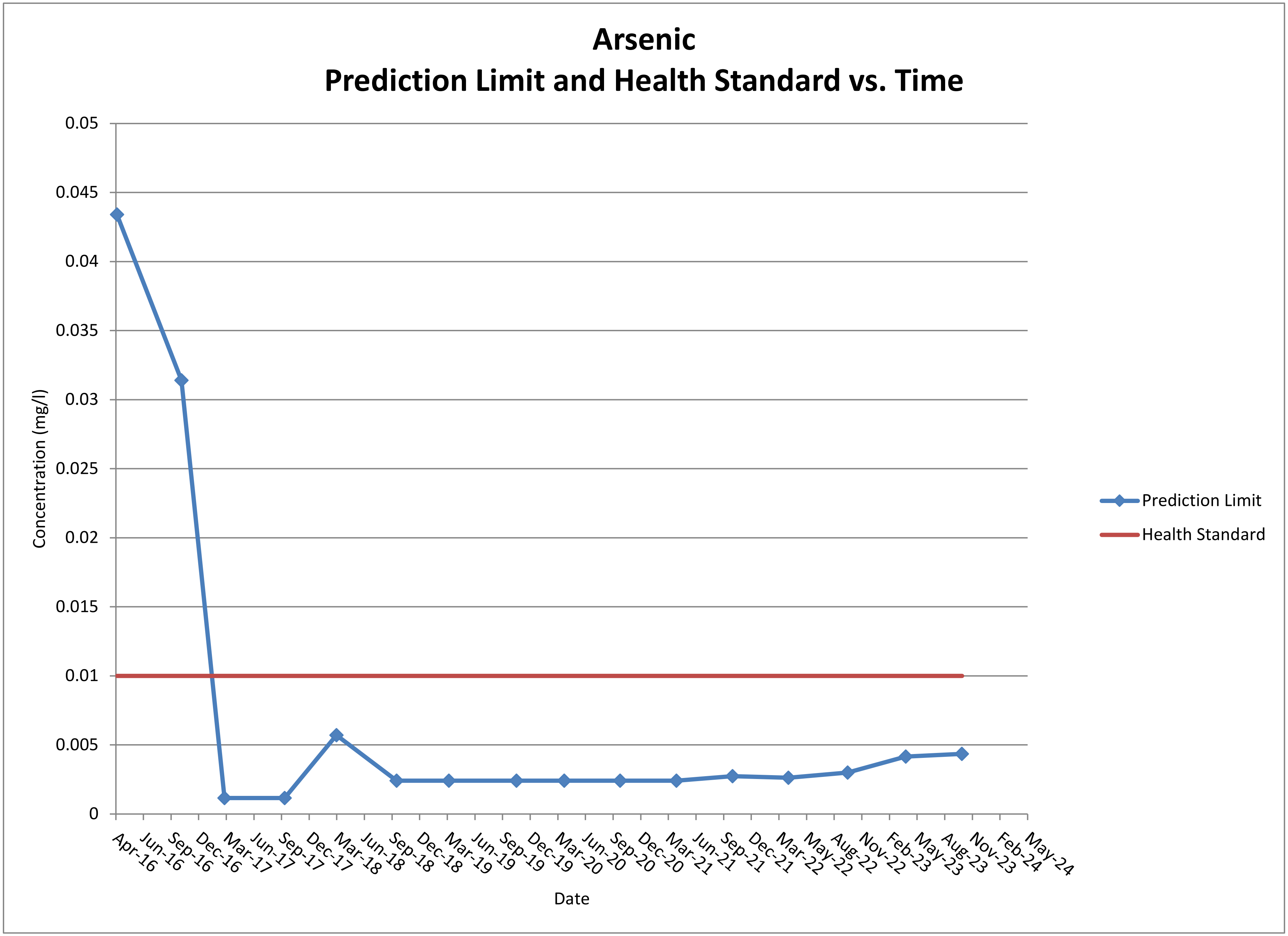
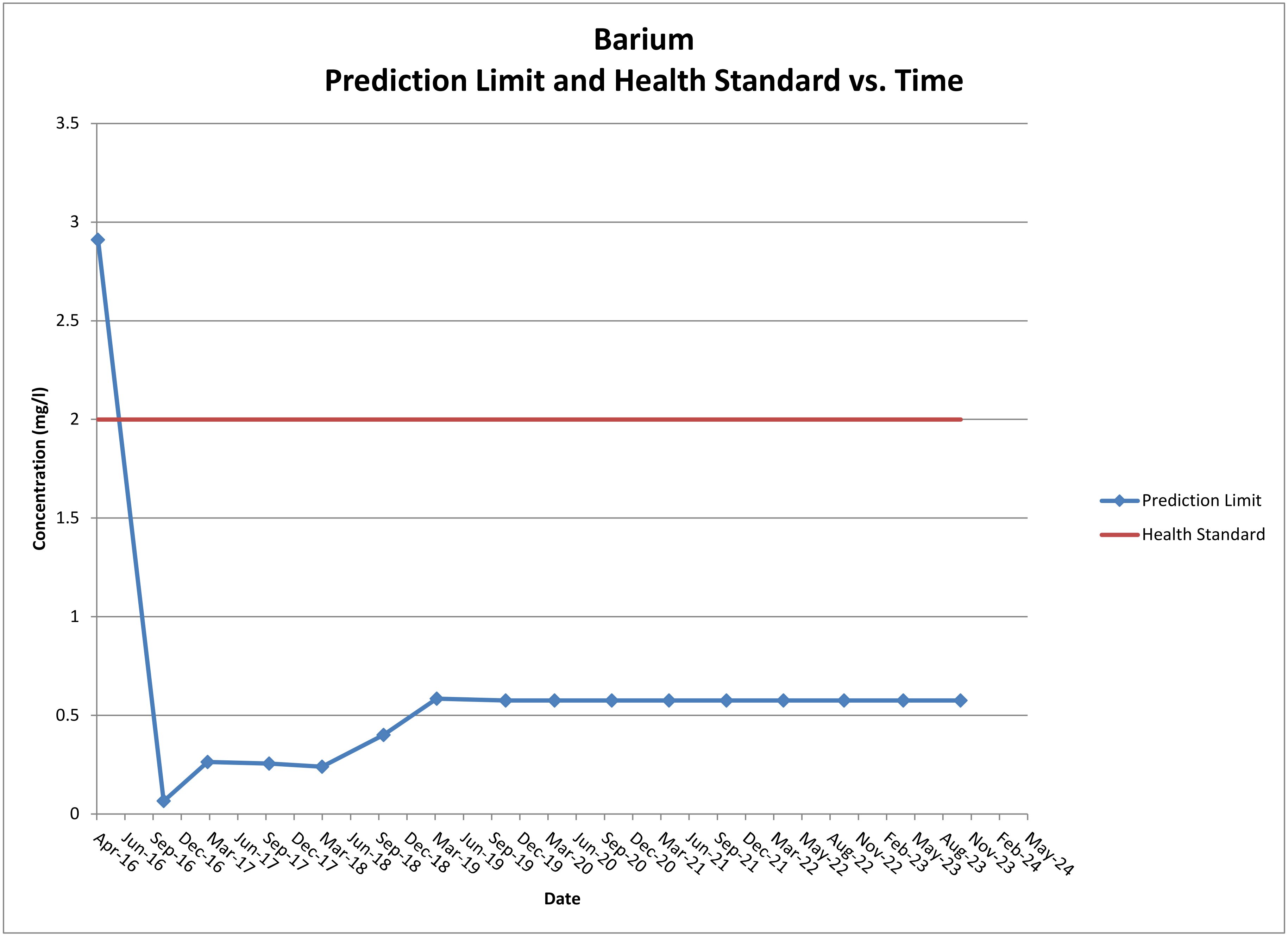
Comments:
The following graphs show the interwell prediction limits calculated for statistical analysis from 2016 through 2023. As shown in the graphs, prediction limits decreased below the Health Standard/Groundwater Protection Standard (GWPS) starting with the spring 2017 sampling event at which time the background data set was modified to include only low-flow sampling data. Low-flow sampling data includes data collected from April 2015 up to the current sampling event. Prediction limits are calculated using pooled data from the background monitoring wells (MW-9AR and MW-201B).

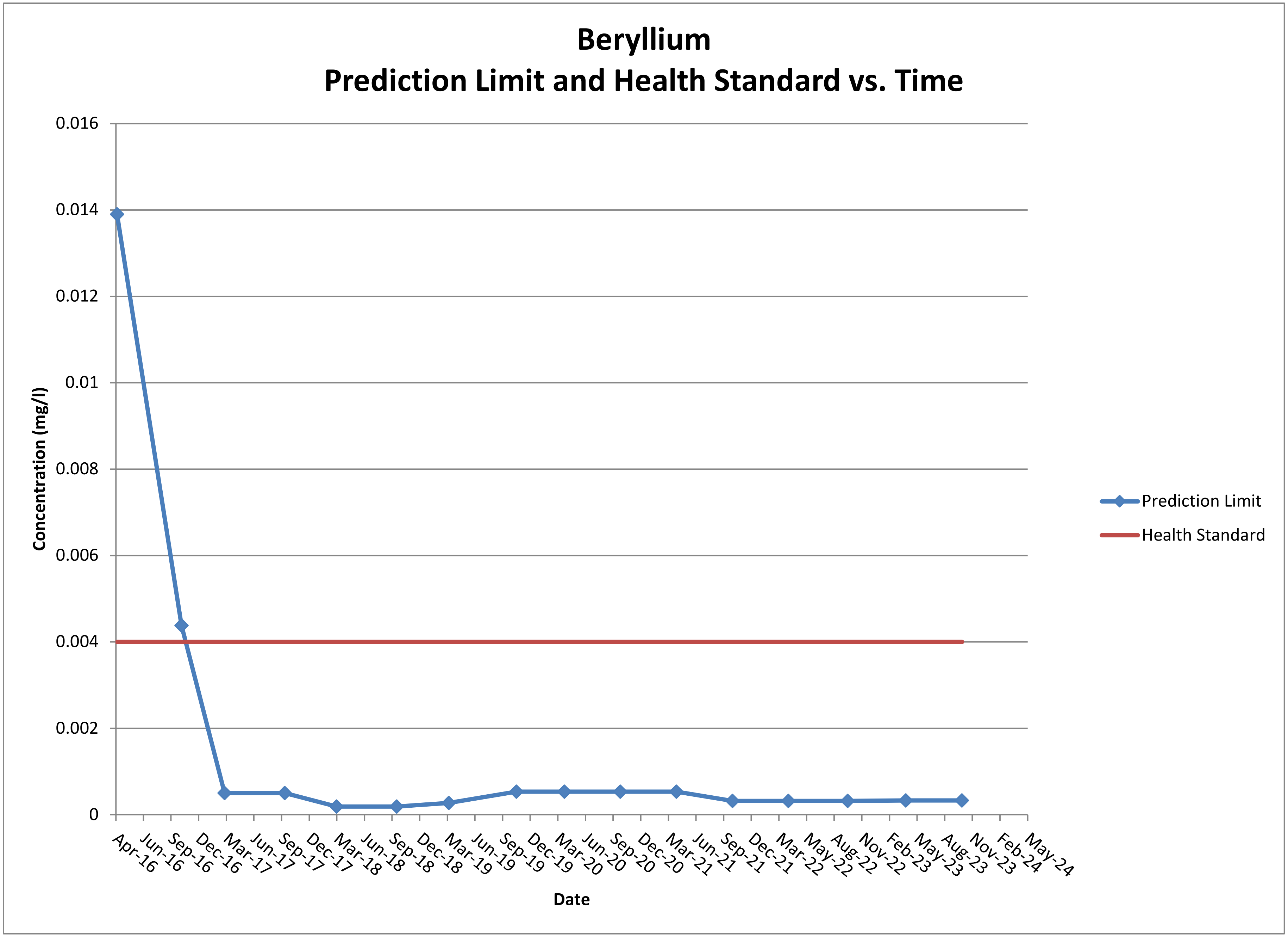


Antimony
Prediction Limit and Health Standard vs. Time
0.00700
0.00600
0.00500
0.00400
0.00300
0.00200
0.00100
0.00000
Concentration (mg/l)
May-16
Jul-16
Oct-16
Jan-17
Apr-17
Jul-17
Oct-17
Jan-18
Apr-18
Jul-18
Oct-18
Jan-19
Apr-19
Jul-19
Oct-19
Jan-20
Apr-20
Jul-20
Oct-20
Jan-21
Apr-21
Jul-21
Oct-21
Jan-22
Apr-22
Jul-22
Oct-22
Jan-23
Apr-23
Jul-23
Oct-23
Jan-24
Apr-24
Date
Prediction Limit
Health Standard


Arsenic
Prediction Limit and Health Standard vs. Time
Concentration (mg/l)
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
Apr-16 Jun-16 Sep-16 Dec-16 Mar-17 Jun-17 Sep-17 Dec-17 Mar-18 Jun-18 Sep-18 Dec-18 Mar-19 Jun-19 Sep-19 Dec-19 Mar-20 Jun-20 Sep-20 Dec-20 Mar-21 Jun-21 Sep-21 Dec-21 Mar-22 May-22 Aug-22 Nov-22 Feb-23 May-23 Aug-23 Nov-23 Feb-24 May-24
Date
Prediction Limit
Health Standard



Barium
Prediction Limit and Health Standard vs. Time
3.5
3
2.5
2
1.5
1
0.5
0
Concentration (mg/l)
Apr-16
Jun-16
Sep-16
Dec-16
Mar-17
Jun-17
Sep-17
Dec-17
Mar-18
Jun-18
Sep-18
Dec-18
Mar-19
Jun-19
Sep-19
Dec-19
Mar-20
Jun-20
Sep-20
Dec-20
Mar-21
Jun-21
Sep-21
Dec-21
Mar-22
May-22
Aug-22
Nov-22
Feb-23
May-23
Aug-23
Nov-23
Feb-24
May-24
Date
Prediction Limit
Health Standard



Beryllium
Prediction Limit and Health Standard vs. Time
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
Concentration (mg/l)
Apr-16
Jun-16
Sep-16
Dec-16
Mar-17
Jun-17
Sep-17
Dec-17
Mar-18
Jun-18
Sep-18
Dec-18
Mar-19
Jun-19
Sep-19
Dec-19
Mar-20
Jun-20
Sep-20
Dec-20
Mar-21
Jun-21
Sep-21
Dec-21
Mar-22
May-22
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Nov-22
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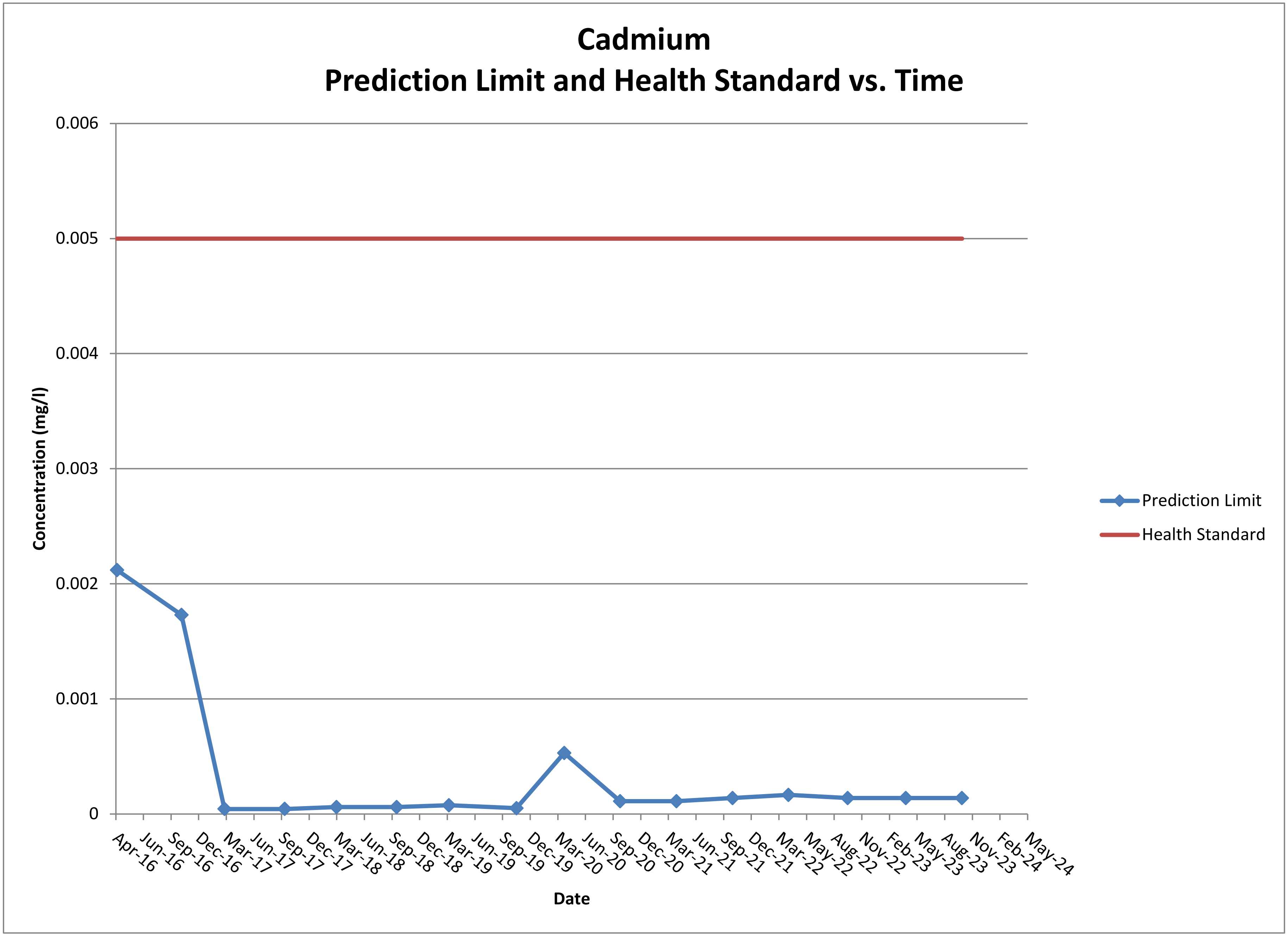
May-23
Aug-23
Nov-23
Feb-24
May-24
Date
Prediction Limit
Health Standard



Cadmium
Prediction Limit and Health Standard vs. Time
Concentration (mg/l)
0.006
0.005
0.004
0.003
0.002
0.001
0
Apr-16
Jun-16
Sep-16
Dec-16
Mar-17
Jun-17
Sep-17
Dec-17
Mar-18
Jun-18
Sep-18
Dec-18
Mar-19
Jun-19
Sep-19
Dec-19
Mar-20
Jun-20
Sep-20
Dec-20
Mar-21
Jun-21
Sep-21
Dec-21
Mar-22
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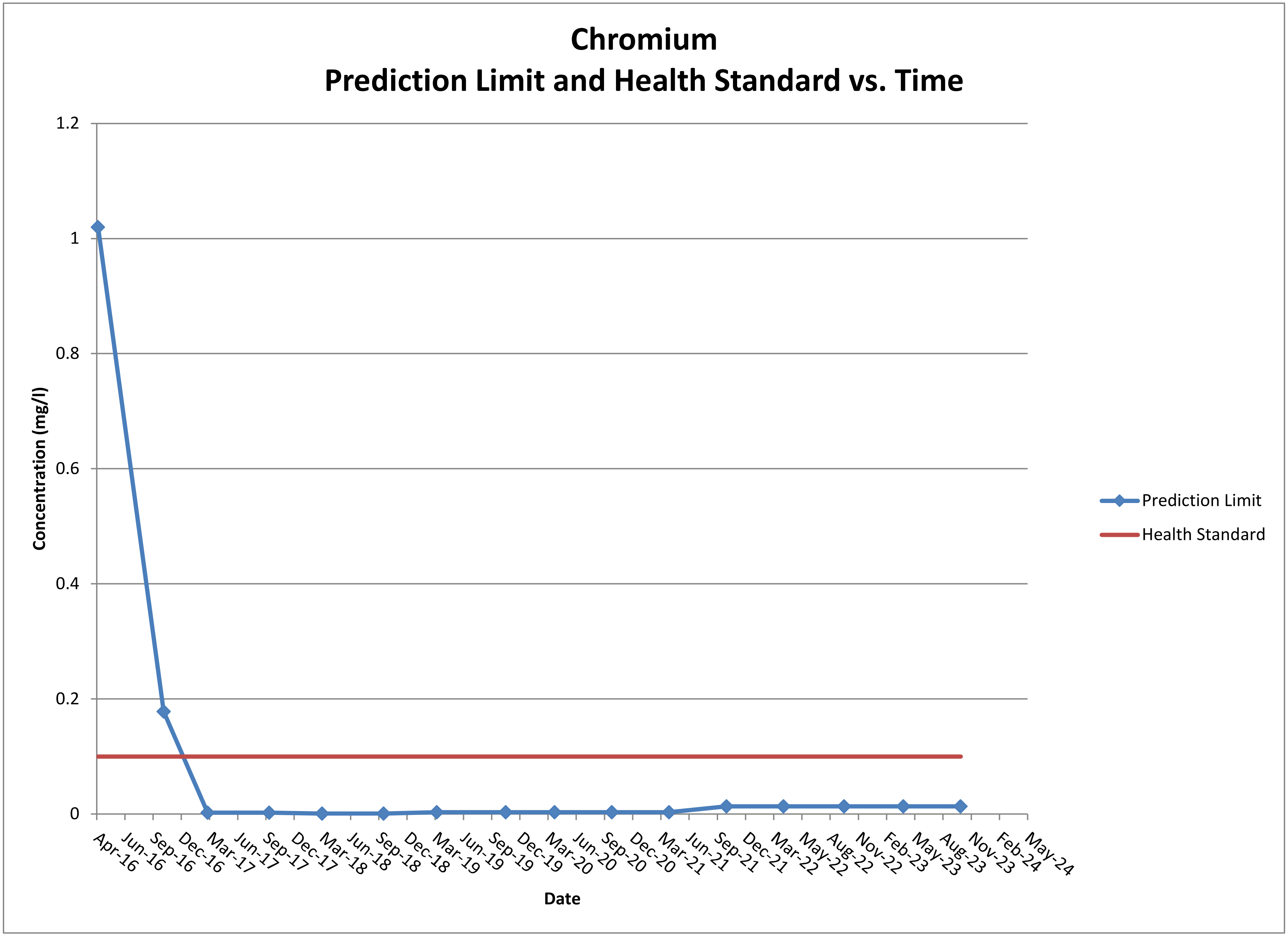
Nov-22
Feb-23
May-23
Aug-23
Nov-23
Feb-24
May-24
Date
Prediction Limit
Health Standard



Chromium
Prediction Limit and Health Standard vs. Time
1.2
1
0.8
0.6
0.4
0.2
0
Concentration (mg/l)
Apr-16
Jun-16
Sep-16
Dec-16
Mar-17
Jun-17
Sep-17
Dec-17
Mar-18
Jun-18
Sep-18
Dec-18
Mar-19
Jun-19
Sep-19
Dec-19
Mar-20
Jun-20
Sep-20
Dec-20
Mar-21
Jun-21
Sep-21
Dec-21
Mar-22
May-22
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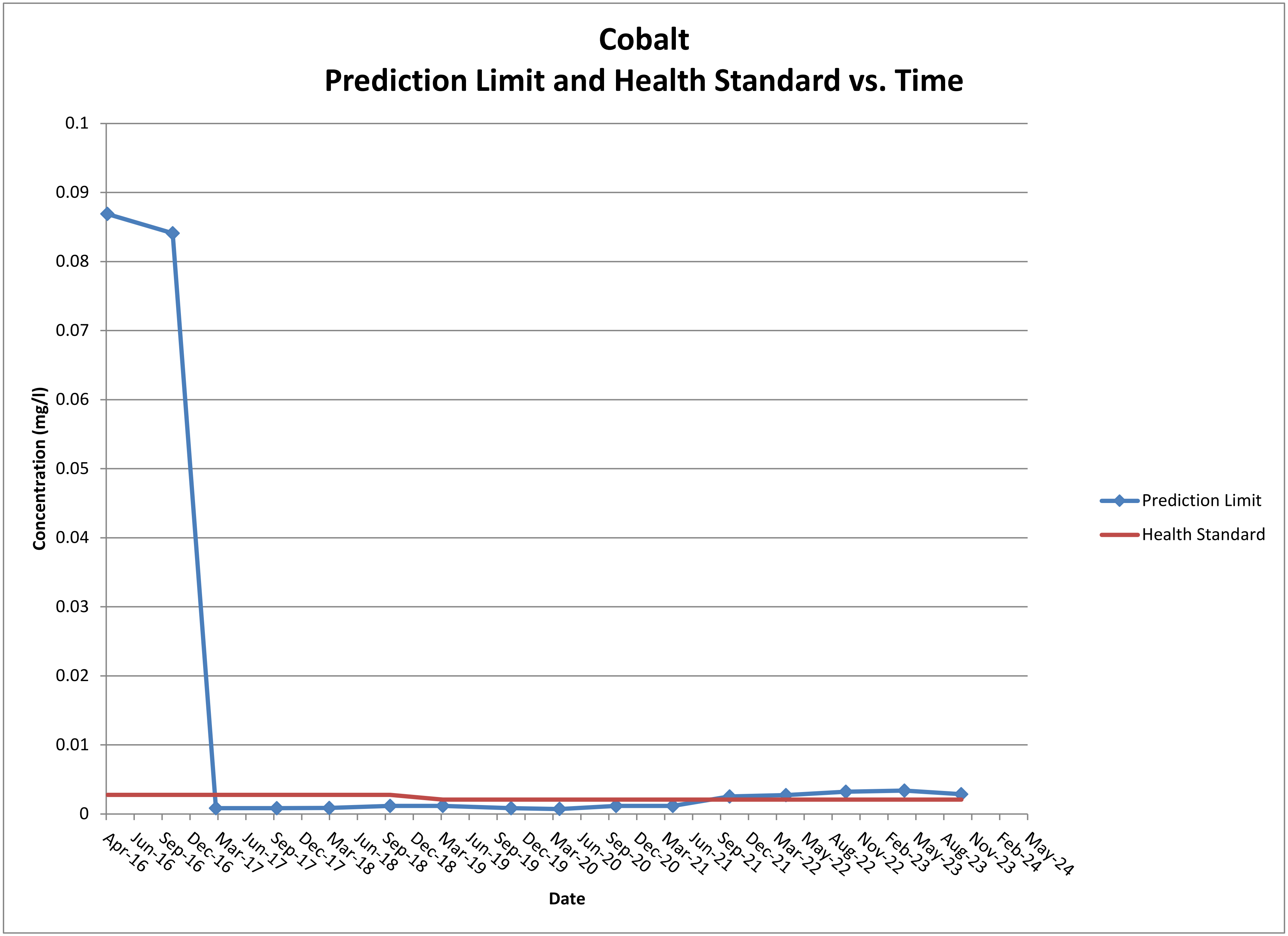
Nov-22
Feb-23
May-23
Aug-23
Nov-23
Feb-24
May-24
Date
Prediction Limit
Health Standard


Cobalt
Prediction Limit and Health Standard vs. Time
Concentration (mg/l)
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
Apr-16
Jun-16
Sep-16
Dec-16
Mar-17
Jun-17
Sep-17
Dec-17
Mar-18
Jun-18
Sep-18
Dec-18
Mar-19
Jun-19
Sep-19
Dec-19
Mar-20
Jun-20
Sep-20
Dec-20
Mar-21
Jun-21
Sep-21
Dec-21
Mar-22
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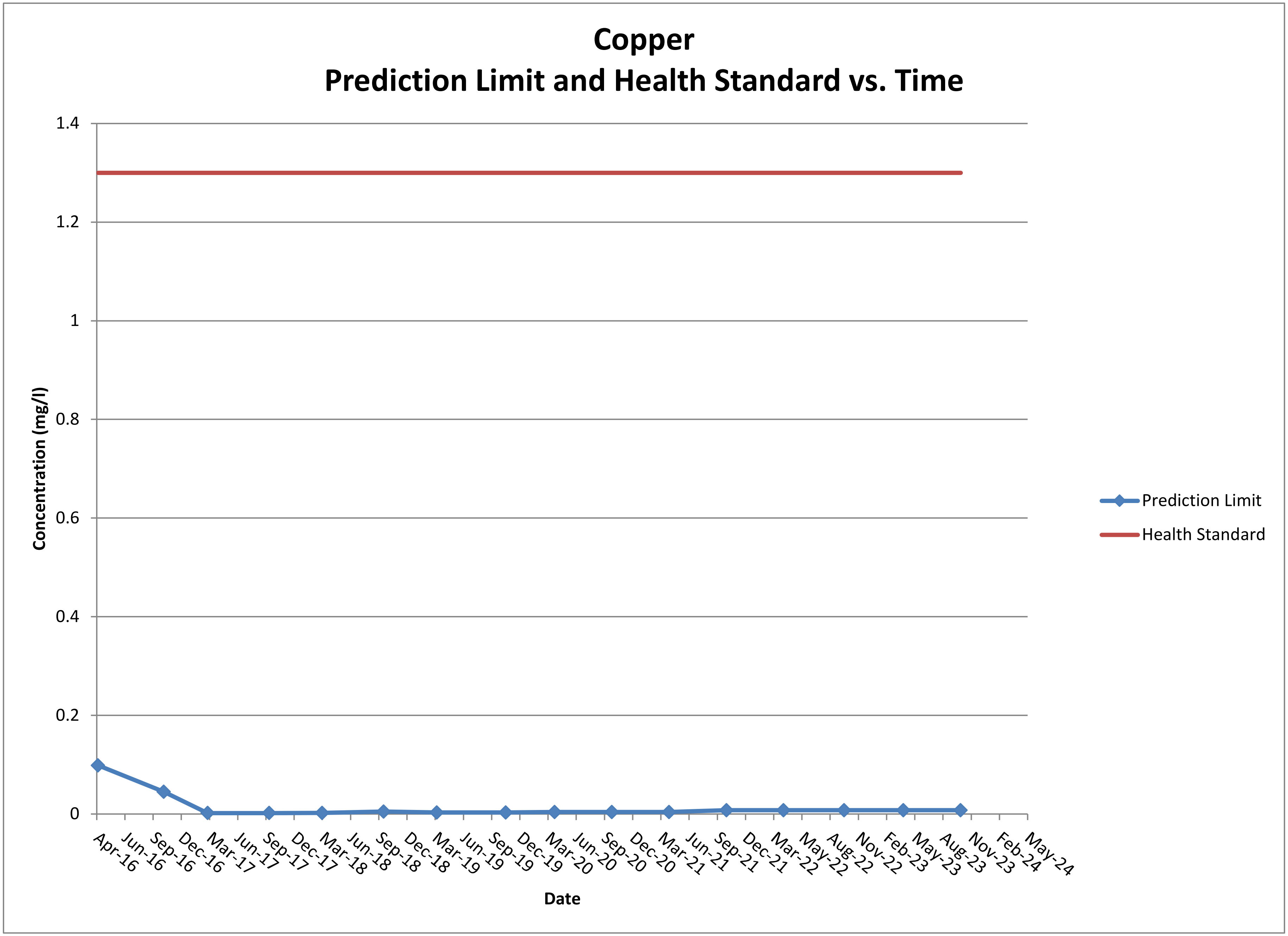
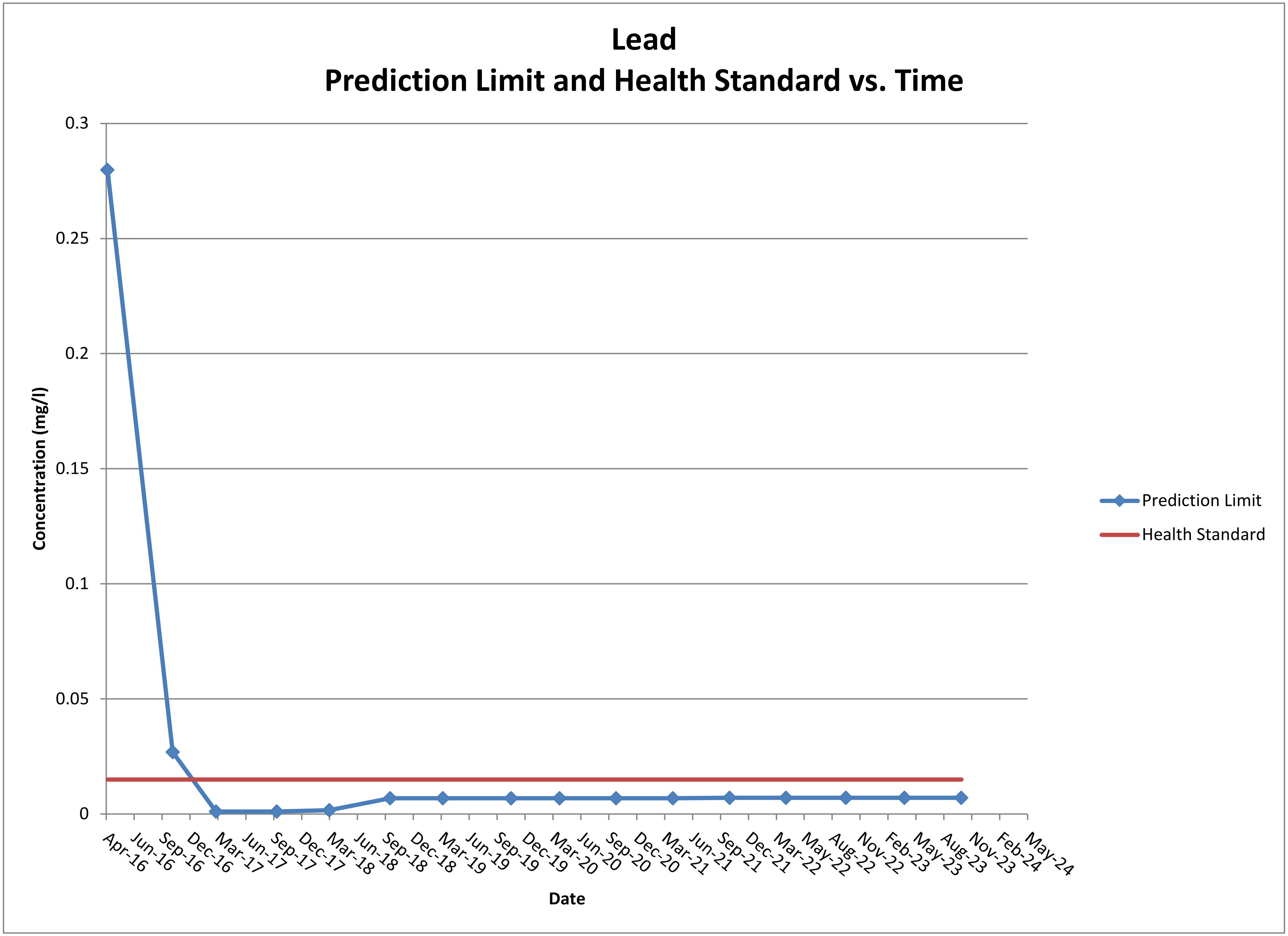
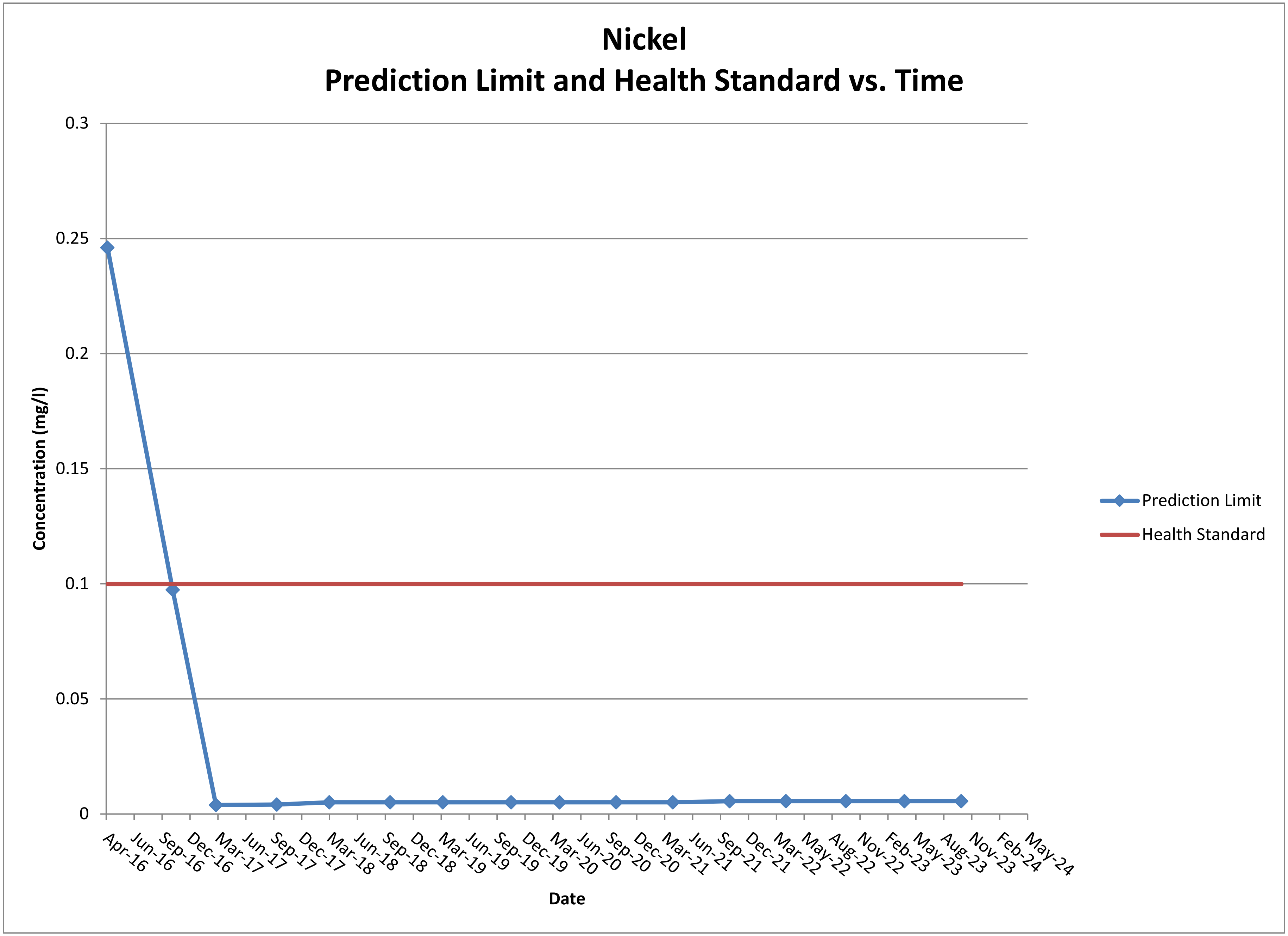
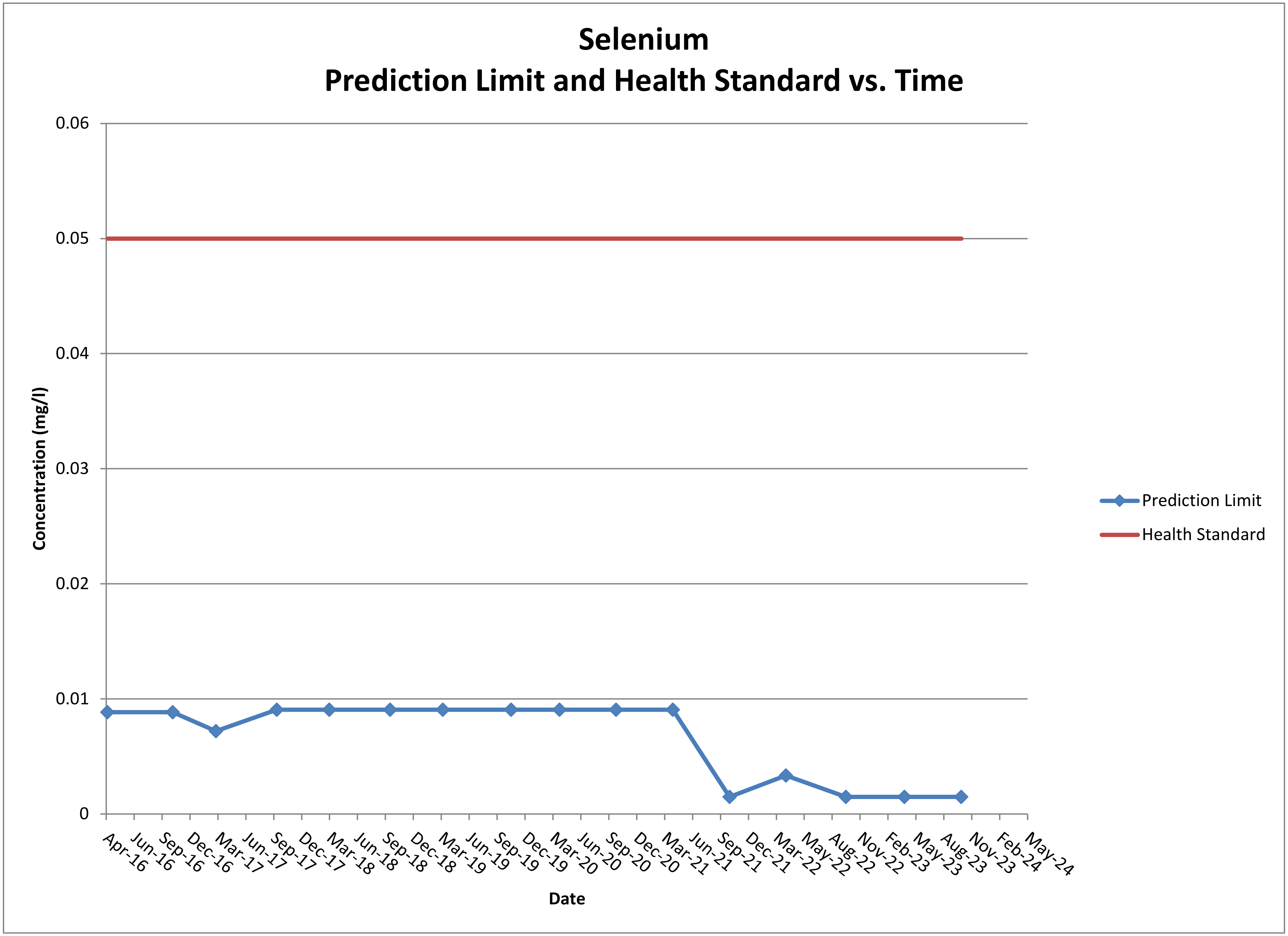
May-23
Aug-23
Nov-23
Feb-24
May-24
Date
Prediction Limit
Health Standard


Copper
Prediction Limit and Health Standard vs. Time
1.4
1.2
1
0.8
0.6
0.4
0.2
0
Concentration (mg/l)
Apr-16
Jun-16
Sep-16
Dec-16
Mar-17
Jun-17
Sep-17
Dec-17
Mar-18
Jun-18
Sep-18
Dec-18
Mar-19
Jun-19
Sep-19
Dec-19
Mar-20
Jun-20
Sep-20
Dec-20
Mar-21
Jun-21
Sep-21
Dec-21
Mar-22
May-22
Aug-22
Nov-22
Feb-23
May-23
Aug-23
Nov-23
Feb-24
May-24
Date
Prediction Limit
Health Standard



Lead
Prediction Limit and Health Standard vs. Time
Concentration (mg/l)
0.3
0.25
0.2
0.15
0.1
0.05
0
Apr-16
Jun-16
Sep-16
Dec-16
Mar-17
Jun-17
Sep-17
Dec-17
Mar-18
Jun-18
Sep-18
Dec-18
Mar-19
Jun-19
Sep-19
Dec-19
Mar-20
Jun-20
Sep-20
Dec-20
Mar-21
Jun-21
Sep-21
Dec-21
Mar-22
May-22
Aug-22
Nov-22
Feb-23
May-23
Aug-23
Nov-23
Feb-24
May-24
Date
Prediction Limit
Health Standard


Nickel
Prediction Limit and Health Standard vs. Time
Concentration (mg/l)
0.3
0.25
0.2
0.15
0.1
0.05
0
Apr-16
Jun-16
Sep-16
Dec-16
Mar-17
Jun-17
Sep-17
Dec-17
Mar-18
Jun-18
Sep-18
Dec-18
Mar-19
Jun-19
Sep-19
Dec-19
Mar-20
Jun-20
Sep-20
Dec-20
Mar-21
Jun-21
Sep-21
Dec-21
Mar-22
May-22
Aug-22
Nov-22
Feb-23
May-23
Aug-23
Nov-23
Feb-24
May-24
Date
Prediction Limit
Health Standard


Selenium
Prediction Limit and Health Standard vs. Time
Concentration (mg/l)
0.06
0.05
0.04
0.03
0.02
0.01
0
Apr-16
Jun-16
Sep-16
Dec-16
Mar-17
Jun-17
Sep-17
Dec-17
Mar-18
Jun-18
Sep-18
Dec-18
Mar-19
Jun-19
Sep-19
Dec-19
Mar-20
Jun-20
Sep-20
Dec-20
Mar-21
Jun-21
Sep-21
Dec-21
Mar-22
May-22
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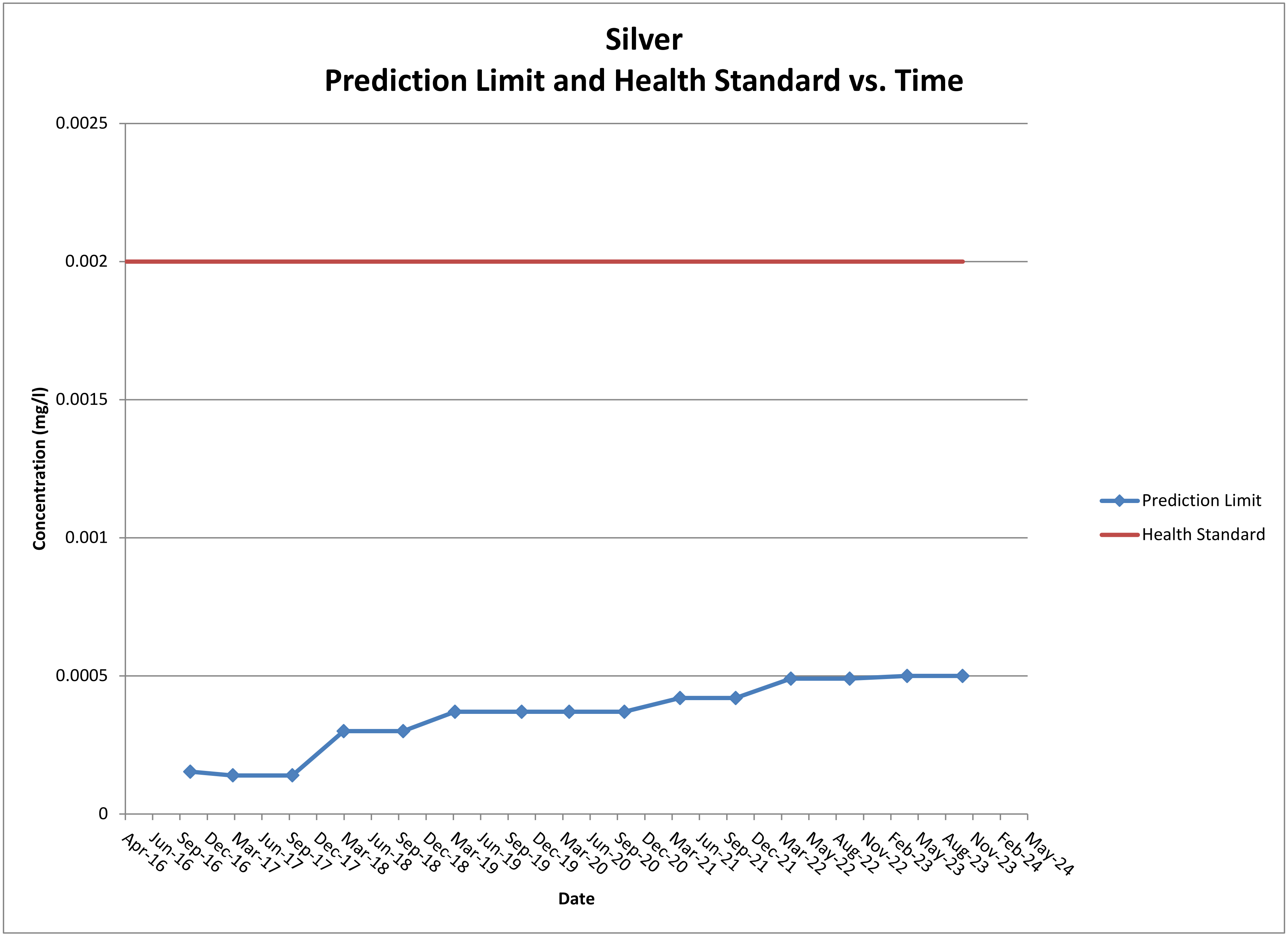
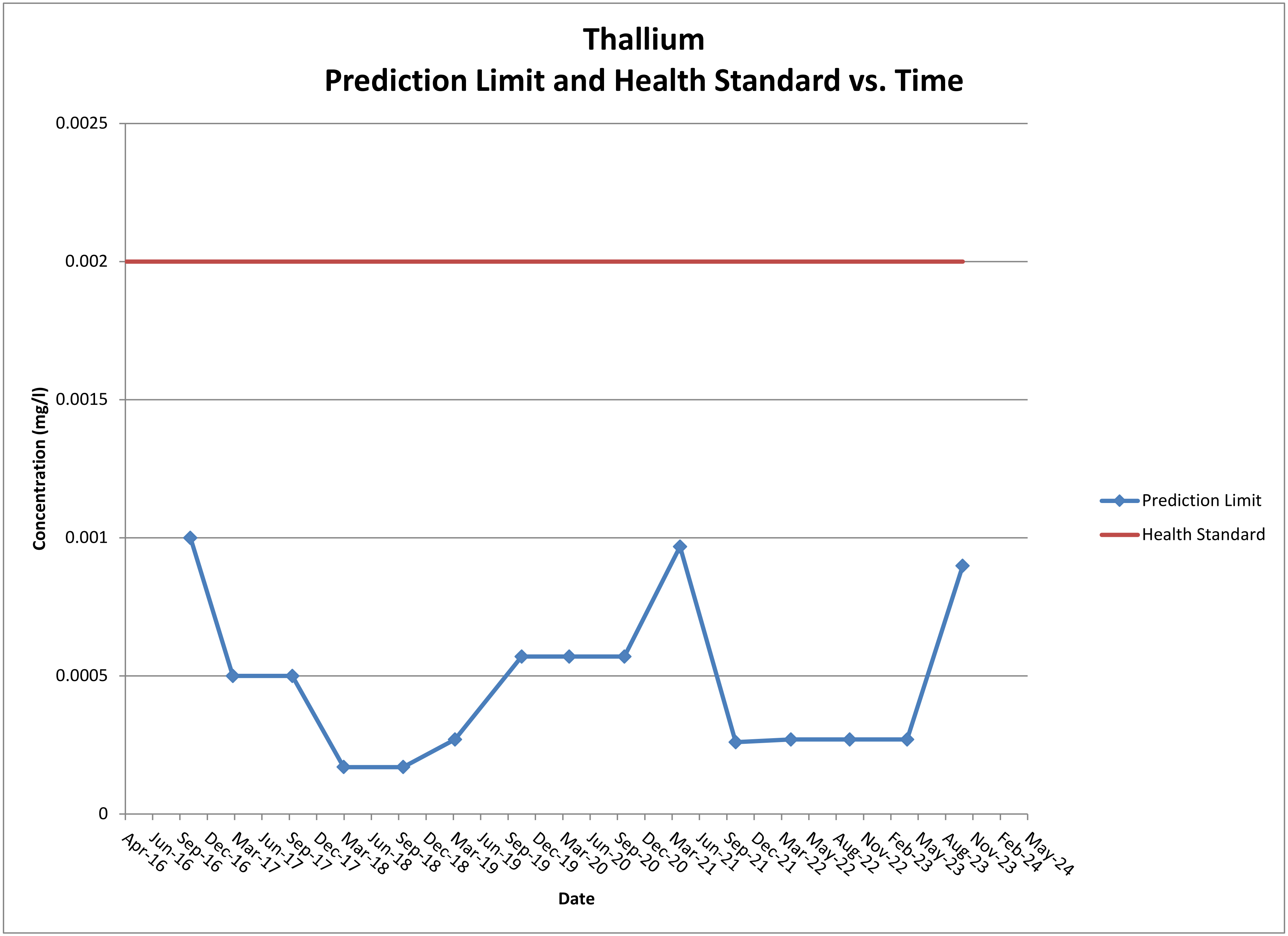
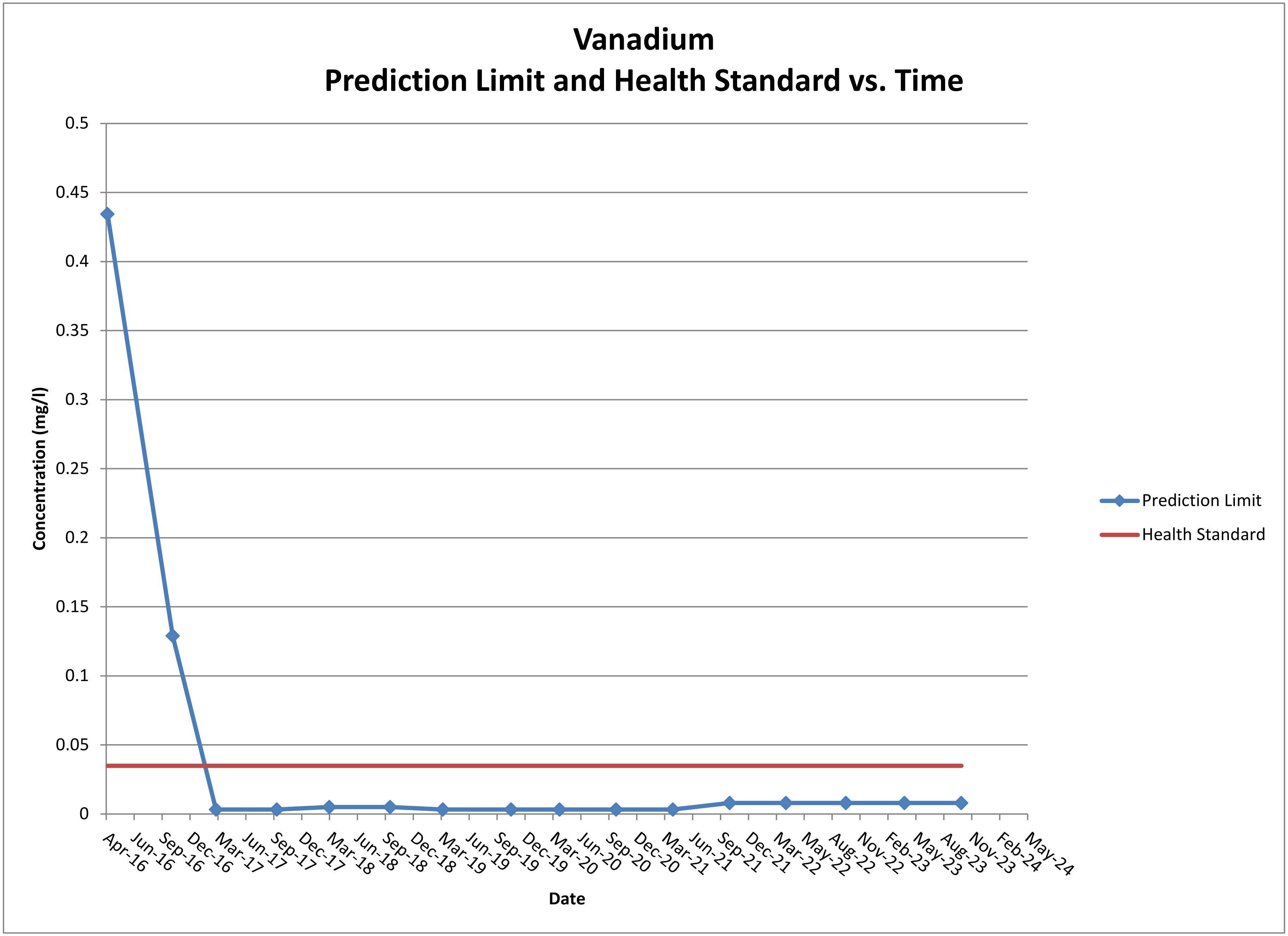
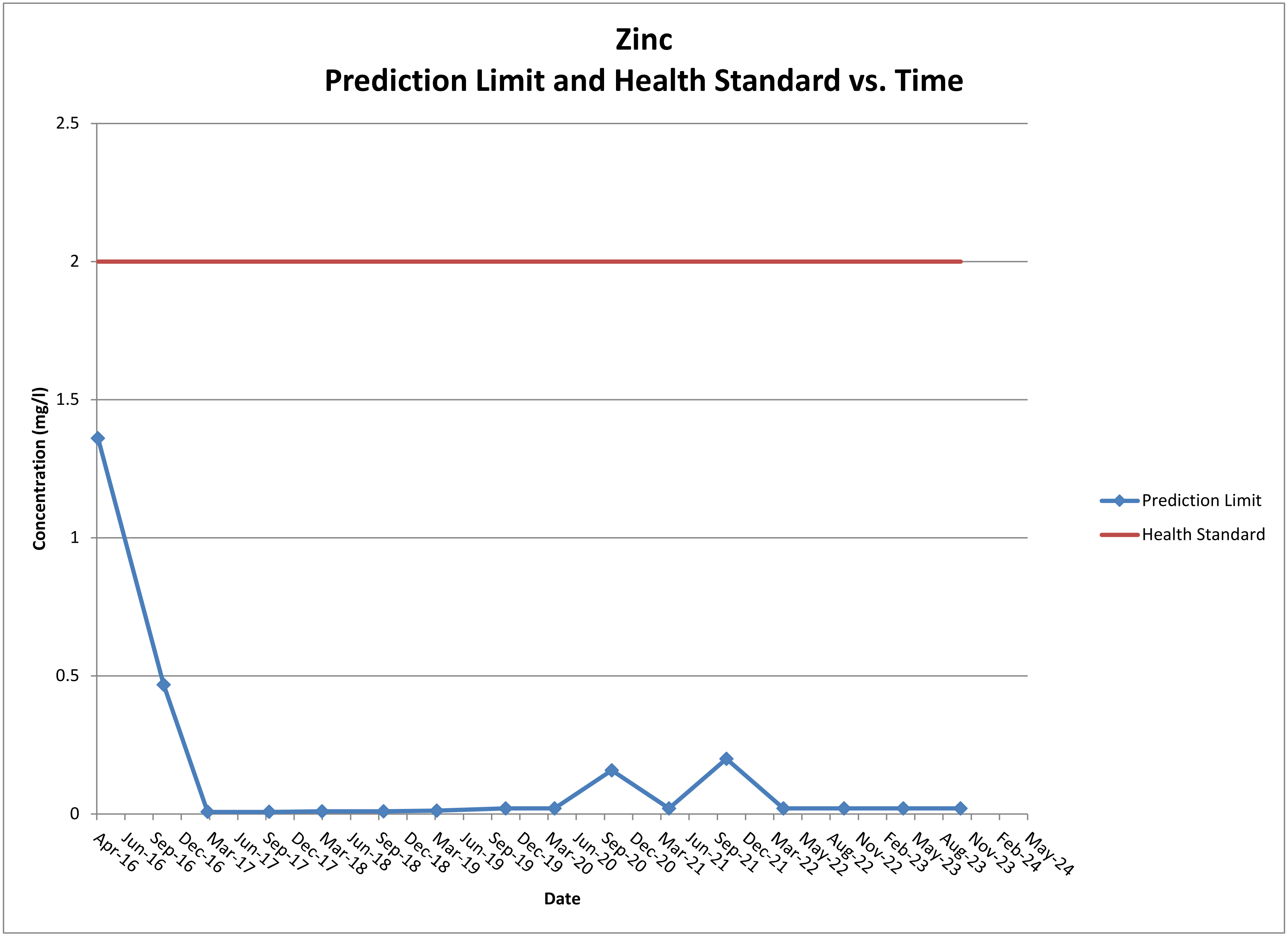
Nov-22
Feb-23
May-23
Aug-23
Nov-23
Feb-24
May-24
Date
Prediction Limit
Health Standard


Silver
Prediction Limit and Health Standard vs. Time
0.0025
0.002
0.0015
0.001
0.0005
0
Concentration (mg/l)
Apr-16
Jun-16
Sep-16
Dec-16
Mar-17
Jun-17
Sep-17
Dec-17
Mar-18
Jun-18
Sep-18
Dec-18
Mar-19
Jun-19
Sep-19
Dec-19
Mar-20
Jun-20
Sep-20
Dec-20
Mar-21
Jun-21
Sep-21
Dec-21
Mar-22
May-22
Aug-22
Nov-22
Feb-23
May-23
Aug-23
Nov-23
Feb-24
May-24
Date
Prediction Limit
Health Standard


Thallium
Prediction Limit and Health Standard vs. Time
0.0025
0.002
0.0015
0.001
0.0005
0
Concentration (mg/l)
Apr-16
Jun-16
Sep-16
Dec-16
Mar-17
Jun-17
Sep-17
Dec-17
Mar-18
Jun-18
Sep-18
Dec-18
Mar-19
Jun-19
Sep-19
Dec-19
Mar-20
Jun-20
Sep-20
Dec-20
Mar-21
Jun-21
Sep-21
Dec-21
Mar-22
May-22
Aug-22
Nov-22
Feb-23
May-23
Aug-23
Nov-23
Feb-24
May-24
Date
Prediction Limit
Health Standard


Vanadium
Prediction Limit and Health Standard vs. Time
Concentration (mg/l)
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
Apr-16
Jun-16
Sep-16
Dec-16
Mar-17
Jun-17
Sep-17
Dec-17
Mar-18
Jun-18
Sep-18
Dec-18
Mar-19
Jun-19
Sep-19
Dec-19
Mar-20
Jun-20
Sep-20
Dec-20
Mar-21
Jun-21
Sep-21
Dec-21
Mar-22
May-22
Aug-22
Nov-22
Feb-23
May-23
Aug-23
Nov-23
Feb-24
May-24
Date
Prediction Limit
Health Standard



Zinc
Prediction Limit and Health Standard vs. Time
Concentration (mg/l)
2.5
2
1.5
1
0.5
0
Apr-16
Jun-16
Sep-16
Dec-16
Mar-17
Jun-17
Sep-17
Dec-17
Mar-18
Jun-18
Sep-18
Dec-18
Mar-19
Jun-19
Sep-19
Dec-19
Mar-20
Jun-20
Sep-20
Dec-20
Mar-21
Jun-21
Sep-21
Dec-21
Mar-22
May-22
Aug-22
Nov-22
Feb-23
May-23
Aug-23
Nov-23
Feb-24
May-24
Date
Prediction Limit
Health Standard

Table 6
Summary of Well/Detected Constituent Pairs with No Previous SSIs
2023 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
Permit No. 57-SDP-01-72P

Well	Constituent	Units	Sampling Event October 2023	Background Standard Intrawell[1]	Background Standard Interwell[1]
MW-501	Arsenic	mg/l	0.00421	0.0536	0.00435
	Barium	mg/l	0.0584	0.0845	0.575
	Cobalt	mg/l	**<u>0.00606</u>**	0.0134	0.00288
	Lead	mg/l	0.000830	0.00948	0.00704
	Nickel	mg/l	**<u>0.00834</u>**	0.0223	0.00561
	TSS	mg/l	202	N/A	N/A
GU-1	Arsenic	mg/l	0.0103	0.0876	N/A
	Barium	mg/l	0.751	1.61	N/A
	Cobalt	mg/l	0.00200	0.0210	N/A
	Nickel	mg/l	0.0491	0.0728	N/A
	TSS	mg/l	78.0	N/A	N/A
GU-O	Arsenic	mg/l	0.00225	0.00942	N/A
	Barium	mg/l	0.310	0.876	N/A
	TSS	mg/l	29.0	N/A	N/A
GU-P	Arsenic	mg/l	0.00255	0.00804	N/A
	Barium[2]	mg/l	**<u>0.308</u>**	0.298	0.575
	Cobalt	mg/l	0.000645	0.00207	N/A
	TSS	mg/l	18.0	N/A	N/A
GU-L	Barium	mg/l	0.0488	0.120	N/A
	Cobalt	mg/l	0.00179	0.0189	N/A
	TSS	mg/l	2.25	N/A	N/A

<u>**Notes:**</u>
N/A = Not Applicable
NS = Not Sampled
Bolded and <u>underlined</u> concentrations indicate a value that exceeds a background standard (i.e., UPLs).
[1] Groundwater Underdrain Background Standards (i.e., UPLs) are based on Intrawell Upper Prediction Limits. Monitoring well Background Standards are based on Interwell UPLs, except for MW-501. Since MW-501 was installed and sampled prior to waste placement, this monitoring location is recommeded for analysis using Intrawell UPLs. Both interwell and intrawell analyses are provided above for MW-501.

[2] Based on Intrawell UPL, a statistically significant increase (SSI) was identified for barium at GU-P for the fall 2023 semiannual compliance monitoring event. An SSI was confirmed for barium following a verification monitoring event when comparing to the Intrawell UPL. An Interwell analysis was conducted using MW-9B and MW-201B as background monitoring points. The Interwell analysis indicated an SSI was not identified for barium at GU-P.

<u>**Comments:**</u>
● The table above shows detections of constituents above the laboratory reporting limit. Constituents detected between the method detection limit (MDL) and laboratory reporting limit (RL) (J-flagged) are considered estimated concentrations and not included in the table.
● Background standards for Groundwater Underdrains GU-1, GU-O, and GU-L (using Intrawell UPLs) are calculated from data from October 2015 through July 2022. Data prior to October 2015 was removed due to elevated reporting limits.
● Background standards for Groundwater Underdrain GU-P (using Intrawell UPLs) are calculated from data from February 2022 through October 2022.
● Background standards for monitoring wells (using Interwell UPLs) are calculated using only data collected with low-flow sampling procedures (i.e. April 2015 through the current sampling event). Monitoring well MW-501 was also analyzed using Intrawell UPLs with data from March 2021 through February 2022.

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Table 7
Summary of Ongoing and Newly Identified SSIs
2023 Annual Waster Quality Report
Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
Permit No. 57-SDP-01-72P

Well	Constituent	Units	Most recent result (October 2023)	Background Standard	Lower Confidence Limit	GWPS	Sample Dates: Initial Exceedance (above background)	Sample Dates: Resample(s) (Confirmation Event)	Sample Dates: 5th background sample - With Low Flow Sampling[1]
MW-15	Barium	mg/L	0.153	0.575	N/A - No SSI	2	N/A	N/A	March 2017
	Cobalt	mg/L	0.00330*	0.00288	0.001478	0.00288	03/2017	06/2017	March 2017
	Nickel	mg/L	0.00867*	0.00561	0.005908	0.1	03/2017	06/2017	March 2017
	TSS	mg/L	5.13	N/A	N/A	N/A	N/A	N/A	N/A
MW-18	Barium	mg/L	0.0738	0.575	N/A - No SSI	2	N/A	N/A	March 2017
	Cadmium	mg/L	0.000530*	0.000139	0.0001012	0.005	04/2022	10/2022	March 2017
	Cobalt	mg/L	0.00710*	0.00288	0.004491	0.00288	10/2021	05/2017	March 2017
	Lead	mg/L	0.000641	0.00704	N/A - No SSI	0.015	N/A	N/A	March 2017
	Nickel	mg/L	0.0246*	0.00561	0.0144	0.1	03/2017	06/2017	March 2017
	Silver	mg/L	0.00126***	0.000500	0.000153	0.1	10/2023	N/A	March 2017
	Thallium	mg/L	0.0129***	0.000899	0.000084	0.002	10/2023	N/A	March 2017
	TSS	mg/L	2.13	N/A	N/A	N/A	N/A	N/A	N/A
MW-19	Arsenic	mg/L	0.00313	0.00435	N/A - No SSI	0.01	10/2021	03/2022	March 2017
	Barium	mg/L	0.0421	0.575	N/A - No SSI	2	03/2017	10/2017	March 2017
	Chlorobenzene	µg/L	2.19*	1.00 (RL)	2.956	100	01/2008	03/2008	October 2008
	Cobalt	mg/L	0.0190*	0.00288	0.01187	0.00288	03/2017	10/2017	March 2017
	1,4-Dichlorobenzene	µg/L	3.13*	1.00 (RL)	2.058	75	01/2008	03/2008	October 2008
	Nickel	mg/L	0.0198*	0.00561	0.0233	0.1	03/2017	10/2017	March 2017
	TSS	mg/L	17.3	N/A	N/A	N/A	N/A	N/A	N/A
MW-20	Arsenic	mg/L	0.0208*	0.00435	0.004347	0.01	03/2017	10/2017	March 2017
	Barium	mg/L	1.39*	0.575	1.022	2	03/2017	10/2017	March 2017
	Benzene	µg/l	3.66*	0.5 (RL)	4.562	5	01/2008	03/2008	October 2008
	Chlorobenzene	µg/l	7.42*	1.00 (RL)	6.12	100	01/2008	03/2008	October 2008
	Cobalt	mg/L	0.00562*	0.00288	0.003501	0.00288	03/2017	10/2017	March 2017
	Nickel	mg/L	0.0296*	0.00561	0.01768	0.1	03/2017	10/2017	March 2017
	TSS	mg/L	50.0	N/A	N/A	N/A	N/A	N/A	N/A
MW-22	Arsenic	mg/L	0.00272	0.00435	N/A - No SSI	0.01	03/2017	10/2017	March 2017
	Barium	mg/L	1.09*	0.575	1.017	2	03/2017	10/2017	March 2017
	Benzene	µg/L	1.29*	0.5 (RL)	1.147	5	01/2008	03/2008	October 2008
	Nickel	mg/L	0.0334*	0.00561	0.03214	0.1	03/2017	10/2017	March 2017
	Silvex (2,4,5-TP)	µg/l	0.145*	0.0505 (RL)	0.145	70	10/2019	03/2020	March 2017
	TSS	mg/L	30.0	N/A	N/A	N/A	N/A	N/A	N/A
MW-24	Barium	mg/L	0.0510	0.575	N/A - No SSI	2	N/A	N/A	March 2017
	Cadmium	mg/L	0.000488***	0.000139	0.00009504	0.005	10/18/2021	4/26/2022	March 2017
	Cobalt	mg/L	0.00278	0.00288	N/A - No SSI	0.00288	10/1/2017	12/11/2017	March 2017

Table 7
Summary of Ongoing and Newly Identified SSIs
2023 Annual Waster Quality Report
Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
Permit No. 57-SDP-01-72P

Well	Constituent	Units	Most recent result (October 2023)	Background Standard	Lower Confidence Limit	GWPS	Sample Dates: Initial Exceedance (above background)	Sample Dates: Resample(s) (Confirmation Event)	Sample Dates: 5th background sample - With Low Flow Sampling[1]
MW-24	Nickel	mg/L	0.0223*	0.00561	0.03469	0.1	03/2017	06/2017	March 2017
MW-26A	Not Sampled: Monitoring well was dry during October 2023 monitoring event.								
MW-300	Arsenic	mg/L	0.00307	0.00435	N/A - No SSI	0.01	N/A	N/A	March 2017
	Barium	mg/L	0.0420	0.575	N/A - No SSI	2	N/A	N/A	March 2017
	Chlorobenzene	µg/L	2.14***	1.0 (RL)	0.3286	100	N/A	N/A	March 2017
	Cobalt	mg/L	0.0202***	0.00288	0.001453	0.00288	03/2017	10/2017	March 2017
	1,4-Dichlorobenzene	µg/L	3.61***	1.00 (RL)	0.210	75	N/A	N/A	March 2017
	Nickel	mg/L	0.0205***	0.00561	0.006794	0.1	03/2017	10/2017	March 2017
	TSS	mg/L	25.0	N/A	N/A	N/A	N/A	N/A	N/A
MW-301	Arsenic	mg/L	0.0101*	0.00435	0.006257	0.01	03/2017	10/2017	March 2017
	Barium	mg/L	0.0807	0.575	N/A - No SSI	2	N/A	N/A	March 2017
	Cadmium	mg/L	0.000260***	0.000139	0.0000390	100	N/A	N/A	March 2017
	Cobalt	mg/L	0.00517*	0.00288	0.005167	0.00288	03/2017	10/2017	March 2017
	Lead	mg/L	0.000829	0.00704	N/A - No SSI	0.015	N/A	N/A	March 2017
	Nickel	mg/L	0.00816*	0.00561	0.006855	0.1	03/2017	10/2017	March 2017
	Silver	mg/L	0.00116***	0.000500	0.000153	0.1	10/2023	N/A	March 2017
	Thallium	mg/L	0.0129***	0.000899	0.0000644	0.002	10/2023	N/A	March 2017
	TSS	mg/L	180	N/A	N/A	N/A	N/A	N/A	N/A
MW-302R	Barium	mg/L	0.116	0.575	N/A - No SSI	2	N/A	N/A	March 2017
	TSS	mg/L	6.38	N/A	N/A	N/A	N/A	N/A	N/A
MW-303	Arsenic	mg/L	0.00318	0.00435	N/A - No SSI	0.01	05/2021	10/2021	March 2017
	Barium	mg/L	0.0517	0.575	N/A - No SSI	2	04/2021	05/2021	March 2017
	Cadmium	mg/L	0.00172*	0.000139	0.00007055	0.005	04/2021	05/2021	March 2017
	Cobalt	mg/L	0.0539*	0.00288	0.000251	0.00288	04/2021	05/2021	March 2017
	Nickel	mg/L	0.0613*	0.00561	0.007417	0.1	04/2021	05/2021	March 2017
	TSS	mg/L	29.0	N/A	N/A	N/A	N/A	N/A	N/A

Table 7
Summary of Ongoing and Newly Identified SSIs
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Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
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Well	Constituent	Units	Most recent result (October 2023)	Background Standard	Lower Confidence Limit	GWPS	Sample Dates: Initial Exceedance (above background)	Sample Dates: Resample(s) (Confirmation Event)	Sample Dates: 5th background sample - With Low Flow Sampling[1]
MW-304R	Barium	mg/L	0.0491	0.575	N/A - No SSI	2	N/A	N/A	March 2017
	Cobalt	mg/L	0.00283	0.00288	N/A - No SSI	0.00339	03/2019	05/2019	March 2017
	TSS	mg/L	38.0	N/A	N/A	N/A	N/A	N/A	N/A
MW-305	Arsenic	mg/L	0.00204	0.00435	N/A - No SSI	0.01	N/A	N/A	Mar-17
	Barium	mg/L	0.0616	0.575	N/A - No SSI	2	N/A	N/A	March 2017
	Cobalt	mg/L	0.00249	0.00288	N/A - No SSI	0.00339	04/2015	10/2015	March 2017
	TSS	mg/L	45.0	N/A	N/A	N/A	N/A	N/A	N/A

Notes:

* Current result is above background, will be analyzed using confidence intervals.

** Current result is below background, if confirmed by next sample SSI will be terminated.

*** Current result is above background. The constituent is not an active SSI. This SSI will be verified during the next sampling event.

[1] The 5th Background sample for Non-organic constituents is the fifth sampling event beginning with low-flow sampling in April 2015.

UPL Upper Prediction Limit (Interwell)

Comments:

Monitoring locations in the assessment monitoring program are first compared to background using interwell prediction limits for inorganic constituents. Organic constituents are evaluated using the double quantification rule (DQR) to identify exceedances above background (statistically significant increases [SSIs]). If a prediction limit is exceeded or the DQR indicates a detection, retesting is not completed and the monitoring well/constituent pair is evaluated for exceedance of the groundwater protection standards using confidence intervals. If the lower confidence limit (LCL) is below the GWPS, the monitoring well/constituent pair will be sampled again at the next semiannual event. If the LCL is above the GWPS, the monitoring well will be moved into the corrective action monitoring program. The initial exceedance dates for inorganic constituents are no earlier than Spring 2017. This was the first date statistical analyses were completed following low-flow sampling procedures and modified background data.

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Table 8
Summary of Ongoing and Newly Identified SSLs
2023 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
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			Most recent result				Consecutive Compliance Dates		
Well	**Constituent**	**Units**	**(October 2023)**	**Upper Confidence Limit**	**GWPS**	**Initial Exceedance**	**1st Occurrence**	**Most Recent**	**Duration**
MW-20	Benzene	µg/l	3.66	5.977	5	2009	N/A	N/A	N/A
MW-20	Cobalt[1]	mg/l	0.00562	0.004937	0.00288	10/2018	N/A	N/A	N/A
MW-18	Cobalt[1]	mg/l	0.00710	0.009648	0.00288	3/2017	N/A	N/A	N/A
MW-19	Cobalt[1]	mg/l	0.0190	0.01598	0.00288	3/2017	N/A	N/A	N/A
MW-301	Cobalt[1]	mg/l	0.00517	0.008524	0.00288	3/2017	N/A	N/A	N/A

Notes

[1] The Upper Prediction Limit for cobalt has been set at 0.00288 mg/L which is above the Iowa Statewide Standard for a protected groundwater source of 0.0021 mg/L; therefore, the Site groundwater protection standard (GWPS) is set at 0.00288 mg/L.

Comments:

- The upper confidence limit (UCL) for benzene at MW-20 continues to be above the GWPS; therefore, MW-20 will remain in the corrective action monitoring program.
- The UCL for cobalt at MW-18, MW-19, MW-20 and MW-301 continues to be above the GWPS; therefore, the monitoring wells will remain in the corrective action monitoring program.

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Table 9
Analytical Data Summary
2023 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
Permit No. 57-SDP-01-72P

Key:

Detections above the laboratory method detection limit (MDL) are shown in **bold**.

Table 9 presents groundwater analytical data collected at the landfill since January 2008.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
1,1,1,2-Tetrachloroethane	January-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,1,2-Tetrachloroethane	March-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,1,2-Tetrachloroethane	August-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,1,2-Tetrachloroethane	September-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,1,2-Tetrachloroethane	October-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,1,2-Tetrachloroethane	March-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,1,2-Tetrachloroethane	June-09	ug/l				<5	<1	<1	<1	<1			<1												
1,1,1,2-Tetrachloroethane	September-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,1,2-Tetrachloroethane	December-09	ug/l				<2	<2	<2	<1	<1			<1												
1,1,1,2-Tetrachloroethane	March-10	ug/l				<2	<2	<5	<5	<2	<2	<2	<5	<2											
1,1,1,2-Tetrachloroethane	June-10	ug/l									<5					<1	<1	<1	<1	<1					
1,1,1,2-Tetrachloroethane	August-10	ug/l									<1	<1				<1	<1	<1	<1	<1					
1,1,1,2-Tetrachloroethane	September-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,1,1,2-Tetrachloroethane	December-10	ug/l									<1					<1	<1	<1	<1	<1					
1,1,1,2-Tetrachloroethane	March-11	ug/l		<1		<1	<1	<1	<10	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,1,1,2-Tetrachloroethane	April-11	ug/l				<1		<1	<10	<1							<1								
1,1,1,2-Tetrachloroethane	June-11	ug/l		<1								<1		<1		<1	<1								
1,1,1,2-Tetrachloroethane	July-11	ug/l	<1																						
1,1,1,2-Tetrachloroethane	August-11	ug/l		<1																					
1,1,1,2-Tetrachloroethane	September-11	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1		<1	<1	<1	<1	<1					
1,1,1,2-Tetrachloroethane	December-11	ug/l	<1	<2										<1		<1	<1								
1,1,1,2-Tetrachloroethane	March-12	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,1,1,2-Tetrachloroethane	June-12	ug/l													<1										
1,1,1,2-Tetrachloroethane	October-12	ug/l	<1	<1		<1	<1	<1	<1	<1			<1	<1		<1	<1		<1						
1,1,1,2-Tetrachloroethane	March-13	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1	<1	<1	<1	<1	<1						
1,1,1,2-Tetrachloroethane	June-13	ug/l																			<1				
1,1,1,2-Tetrachloroethane	September-13	ug/l	<1	<1		<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1				
1,1,1,2-Tetrachloroethane	November-13	ug/l																			<1				
1,1,1,2-Tetrachloroethane	March-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1				
1,1,1,2-Tetrachloroethane	June-14	ug/l																		<1	<1				
1,1,1,2-Tetrachloroethane	September-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
1,1,1,2-Tetrachloroethane	December-14	ug/l															<1								
1,1,1,2-Tetrachloroethane	April-15	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1				
1,1,1,2-Tetrachloroethane	October-15	ug/l	<0.21	<0.21		<0.21	<0.21	<0.21	<0.21	<0.21	<0.21				<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21				
1,1,1,2-Tetrachloroethane	April-16	ug/l	<0.21	<0.21		<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21			<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21				
1,1,1,2-Tetrachloroethane	October-16	ug/l													<0.21										
1,1,1,2-Tetrachloroethane	November-16	ug/l	<0.21	<0.21		<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21				<0.21	<0.21	<0.21	<0.21	<0.21	<0.21				
1,1,1,2-Tetrachloroethane	March-17	ug/l	<0.21	<0.21		<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21			<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21				
1,1,1,2-Tetrachloroethane	October-17	ug/L	<0.210	<0.210		<0.210	<0.210	<0.210	<0.210	<0.210	<0.210				<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210				
1,1,1,2-Tetrachloroethane	December-17	ug/L				<0.210					<0.210								<0.210		<0.210				
1,1,1,2-Tetrachloroethane	April-18	ug/L	<0.210	<0.210		<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210			<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210				
1,1,1,2-Tetrachloroethane	July-18	ug/L			<0.380							<0.380													
1,1,1,2-Tetrachloroethane	October-18	ug/L	<0.380	<0.380		<0.380	<0.380		<0.380						<0.380		<0.380								
1,1,1,2-Tetrachloroethane	November-18	ug/L			<0.380			<0.380		<0.380	<0.380	<0.380				<0.380		<0.380	<0.380	<0.380	<0.380				
1,1,1,2-Tetrachloroethane	January-19	ug/L			<0.380																				
1,1,1,2-Tetrachloroethane	March-19	ug/L	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380			<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380				
1,1,1,2-Tetrachloroethane	May-19	ug/L			<0.380															<0.380					
1,1,1,2-Tetrachloroethane	October-19	ug/L	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380			<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380				
1,1,1,2-Tetrachloroethane	March-20	ug/L	<0.380	<0.380		<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380			<0.380	<0.380	<0.380	<0.380	<0.380		<0.380				
1,1,1,2-Tetrachloroethane	April-20	ug/L			<0.380															<0.380					
1,1,1,2-Tetrachloroethane	September-20	ug/L	<0.380	<0.380	<0.380		<0.380	<0.380	<0.380	<0.380	<0.380	<0.380			<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380				
1,1,1,2-Tetrachloroethane	October-20	ug/L				<0.380																			
1,1,1,2-Tetrachloroethane	March-21	ug/L		<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380					<0.380	<0.380	<0.380				<0.380				
1,1,1,2-Tetrachloroethane	April-21	ug/L	<0.380								<0.380	<0.380						<0.380	<0.380	<0.380					
1,1,1,2-Tetrachloroethane	May-21	ug/L																<0.380							
1,1,1,2-Tetrachloroethane	August-21	ug/L																							
1,1,1,2-Tetrachloroethane	October-21	ug/L	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380			<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380				
1,1,1,2-Tetrachloroethane	December-21	ug/L																<0.380							
1,1,1,2-Tetrachloroethane	February-22	ug/L	<0.380																						<0.380
1,1,1,2-Tetrachloroethane	April-22	ug/L	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380			<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380				<0.380
1,1,1,2-Tetrachloroethane	July-22	ug/L																							<0.380
1,1,1,2-Tetrachloroethane	October-22	ug/L	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380				<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380				<0.380
1,1,1,2-Tetrachloroethane	April-23	ug/L	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380			<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380				<0.380
1,1,1,2-Tetrachloroethane	May-23	ug/L																							
1,1,1,2-Tetrachloroethane	October-23	ug/L	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380				<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380				<0.380

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
1,1,1-Trichloroethane	January-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,1-Trichloroethane	March-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,1-Trichloroethane	August-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,1-Trichloroethane	September-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,1-Trichloroethane	October-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,1-Trichloroethane	March-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,1-Trichloroethane	June-09	ug/l				<5	<1	<1	<1	<1			<1												
1,1,1-Trichloroethane	September-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,1-Trichloroethane	December-09	ug/l				<1	<1	<1	<1	<1			<1												
1,1,1-Trichloroethane	March-10	ug/l				<1	<1	<5	<5	<1	<1	<1	<5	<1											
1,1,1-Trichloroethane	June-10	ug/l									<1					<1	<1	<1	<1	<1					
1,1,1-Trichloroethane	August-10	ug/l									<1	<1				<1	<1	<1	<1	<1					
1,1,1-Trichloroethane	September-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,1,1-Trichloroethane	December-10	ug/l									<1					<1	<1	<1	<1	<1					
1,1,1-Trichloroethane	March-11	ug/l		<1		<1	<1	<1	<10	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,1,1-Trichloroethane	April-11	ug/l				<1		<1	<10	<1							<1								
1,1,1-Trichloroethane	June-11	ug/l		<1								<1		<1		<1	<1								
1,1,1-Trichloroethane	July-11	ug/l	<1																						
1,1,1-Trichloroethane	August-11	ug/l		<1																					
1,1,1-Trichloroethane	September-11	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1		<1	<1	<1	<1	<1					
1,1,1-Trichloroethane	December-11	ug/l	<1	<1										<1		<1	<1								
1,1,1-Trichloroethane	March-12	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,1,1-Trichloroethane	June-12	ug/l													<1										
1,1,1-Trichloroethane	October-12	ug/l	<1	<1		<1	<1	<1	<1	<1			<1	<1		<1	<1		<1						
1,1,1-Trichloroethane	March-13	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1	<1	<1	<1	<1	<1						
1,1,1-Trichloroethane	June-13	ug/l																			<1				
1,1,1-Trichloroethane	September-13	ug/l	<1	<1		<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1				
1,1,1-Trichloroethane	November-13	ug/l																			<1				
1,1,1-Trichloroethane	March-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1				
1,1,1-Trichloroethane	June-14	ug/l																		<1	<1				
1,1,1-Trichloroethane	September-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
1,1,1-Trichloroethane	December-14	ug/l															<1								
1,1,1-Trichloroethane	April-15	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1				
1,1,1-Trichloroethane	October-15	ug/l	<0.12	<0.12		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12				<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12				
1,1,1-Trichloroethane	April-16	ug/l	<0.12	<0.12		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12			<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12				
1,1,1-Trichloroethane	October-16	ug/l													<0.12										
1,1,1-Trichloroethane	November-16	ug/l	<0.12	<0.12		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12				<0.12	<0.12	<0.12	<0.12	<0.12	<0.12				
1,1,1-Trichloroethane	March-17	ug/l	<0.12	<0.12		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12			<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12				
1,1,1-Trichloroethane	October-17	ug/L	<0.120	<0.120		<0.120	<0.120	<0.120	<0.120	<0.120	<0.120				<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120				
1,1,1-Trichloroethane	December-17	ug/L				<0.120					<0.120								<0.120		<0.120				
1,1,1-Trichloroethane	April-18	ug/L	<0.120	<0.120		<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120			<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120				
1,1,1-Trichloroethane	July-18	ug/L			<0.190							<0.190													
1,1,1-Trichloroethane	October-18	ug/L	<0.190	<0.190		<0.190	<0.190		<0.190						<0.190		<0.190								
1,1,1-Trichloroethane	November-18	ug/L			<0.190			<0.190		<0.190	<0.190	<0.190				<0.190		<0.190	<0.190	<0.190	<0.190				
1,1,1-Trichloroethane	January-19	ug/L			<0.190																				
1,1,1-Trichloroethane	March-19	ug/L	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190			<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190				
1,1,1-Trichloroethane	May-19	ug/L			<0.190															<0.190					
1,1,1-Trichloroethane	October-19	ug/L	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190			<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190				
1,1,1-Trichloroethane	March-20	ug/L	<0.190	<0.190		<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190			<0.190	<0.190	<0.190	<0.190	<0.190		<0.190				
1,1,1-Trichloroethane	April-20	ug/L			<0.190															<0.190					
1,1,1-Trichloroethane	September-20	ug/L	<0.190	<0.190	<0.190		<0.190	<0.190	<0.190	<0.190	<0.190	<0.190			<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190				
1,1,1-Trichloroethane	October-20	ug/L				<0.190																			
1,1,1-Trichloroethane	March-21	ug/L		<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190					<0.190	<0.190	<0.190				<0.190				
1,1,1-Trichloroethane	April-21	ug/L	<0.190								<0.190	<0.190						<0.190	<0.190	<0.190					
1,1,1-Trichloroethane	May-21	ug/L																<0.190							
1,1,1-Trichloroethane	August-21	ug/L																							
1,1,1-Trichloroethane	October-21	ug/L	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190			<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190				
1,1,1-Trichloroethane	December-21	ug/L																<0.190							
1,1,1-Trichloroethane	February-22	ug/L	<0.190																						<0.190
1,1,1-Trichloroethane	April-22	ug/L	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190			<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190				<0.190
1,1,1-Trichloroethane	July-22	ug/L																							<0.190
1,1,1-Trichloroethane	October-22	ug/L	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190				<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190				<0.190
1,1,1-Trichloroethane	April-23	ug/L	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190			<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190				<0.190
1,1,1-Trichloroethane	May-23	ug/L																							
1,1,1-Trichloroethane	October-23	ug/L	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190				<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190				<0.190

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
1,1,2,2-Tetrachloroethane	January-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,2,2-Tetrachloroethane	March-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,2,2-Tetrachloroethane	August-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,2,2-Tetrachloroethane	September-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,2,2-Tetrachloroethane	October-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,2,2-Tetrachloroethane	March-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,2,2-Tetrachloroethane	June-09	ug/l				<5	<1	<1	<1	<1			<1												
1,1,2,2-Tetrachloroethane	September-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,2,2-Tetrachloroethane	December-09	ug/l				<2	<2	<2	<1	<1			<1												
1,1,2,2-Tetrachloroethane	March-10	ug/l				<2	<2	<1	<1	<2	<2	<2	<1	<2											
1,1,2,2-Tetrachloroethane	June-10	ug/l									<1					<1	<1	<1	<1	<1					
1,1,2,2-Tetrachloroethane	August-10	ug/l									<1	<1				<1	<1	<1	<1	<1					
1,1,2,2-Tetrachloroethane	September-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,1,2,2-Tetrachloroethane	December-10	ug/l									<1					<1	<1	<1	<1	<1					
1,1,2,2-Tetrachloroethane	March-11	ug/l		<1		<1	<1	<1	<10	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,1,2,2-Tetrachloroethane	April-11	ug/l				<1		<1	<10	<1							<1								
1,1,2,2-Tetrachloroethane	June-11	ug/l		<1								<1		<1		<1	<1								
1,1,2,2-Tetrachloroethane	July-11	ug/l	<1																						
1,1,2,2-Tetrachloroethane	August-11	ug/l		<1																					
1,1,2,2-Tetrachloroethane	September-11	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1		<1	<1	<1	<1	<1					
1,1,2,2-Tetrachloroethane	December-11	ug/l	<1	<1										<1		<1	<1								
1,1,2,2-Tetrachloroethane	March-12	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,1,2,2-Tetrachloroethane	June-12	ug/l													<1										
1,1,2,2-Tetrachloroethane	October-12	ug/l	<1	<1		<1	<1	<1	<1	<1			<1	<1		<1	<1		<1						
1,1,2,2-Tetrachloroethane	March-13	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1	<1	<1	<1	<1	<1						
1,1,2,2-Tetrachloroethane	June-13	ug/l																			<1				
1,1,2,2-Tetrachloroethane	September-13	ug/l	<1	<1		<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1				
1,1,2,2-Tetrachloroethane	November-13	ug/l																			<1				
1,1,2,2-Tetrachloroethane	March-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1				
1,1,2,2-Tetrachloroethane	June-14	ug/l																		<1	<1				
1,1,2,2-Tetrachloroethane	September-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
1,1,2,2-Tetrachloroethane	December-14	ug/l															<1								
1,1,2,2-Tetrachloroethane	April-15	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1				
1,1,2,2-Tetrachloroethane	October-15	ug/l	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
1,1,2,2-Tetrachloroethane	April-16	ug/l	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
1,1,2,2-Tetrachloroethane	October-16	ug/l													<0.1										
1,1,2,2-Tetrachloroethane	November-16	ug/l	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
1,1,2,2-Tetrachloroethane	March-17	ug/l	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
1,1,2,2-Tetrachloroethane	October-17	ug/L	<0.100	<0.100		<0.100	<0.100	<0.100	<0.100	<0.100	<0.100				<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100				
1,1,2,2-Tetrachloroethane	December-17	ug/L				<0.100					<0.100								<0.100		<0.100				
1,1,2,2-Tetrachloroethane	April-18	ug/L	<0.100	<0.100		<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100			<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100				
1,1,2,2-Tetrachloroethane	July-18	ug/L			<0.470							<0.470													
1,1,2,2-Tetrachloroethane	October-18	ug/L	<0.470	<0.470		<0.470	<0.470		<0.470						<0.470		<0.470								
1,1,2,2-Tetrachloroethane	November-18	ug/L			<0.470			<0.470		<0.470	<0.470	<0.470				<0.470		<0.470	<0.470	<0.470	<0.470				
1,1,2,2-Tetrachloroethane	January-19	ug/L			<0.470																				
1,1,2,2-Tetrachloroethane	March-19	ug/L	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470			<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470				
1,1,2,2-Tetrachloroethane	May-19	ug/L			<0.470															<0.470					
1,1,2,2-Tetrachloroethane	October-19	ug/L	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470			<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470				
1,1,2,2-Tetrachloroethane	March-20	ug/L	<0.470	<0.470		<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470			<0.470	<0.470	<0.470	<0.470	<0.470		<0.470				
1,1,2,2-Tetrachloroethane	April-20	ug/L			<0.470															<0.470					
1,1,2,2-Tetrachloroethane	September-20	ug/L	<0.470	<0.470	<0.470		<0.470	<0.470	<0.470	<0.470	<0.470	<0.470			<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470				
1,1,2,2-Tetrachloroethane	October-20	ug/L				<0.470																			
1,1,2,2-Tetrachloroethane	March-21	ug/L		<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470					<0.470	<0.470	<0.470				<0.470				
1,1,2,2-Tetrachloroethane	April-21	ug/L	<0.470								<0.470	<0.470						<0.470	<0.470	<0.470					
1,1,2,2-Tetrachloroethane	May-21	ug/L																<0.470							
1,1,2,2-Tetrachloroethane	August-21	ug/L																							
1,1,2,2-Tetrachloroethane	October-21	ug/L	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470			<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470				
1,1,2,2-Tetrachloroethane	December-21	ug/L																<0.470							
1,1,2,2-Tetrachloroethane	February-22	ug/L	<0.470																						<0.470
1,1,2,2-Tetrachloroethane	April-22	ug/L	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470			<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470				<0.470
1,1,2,2-Tetrachloroethane	July-22	ug/L																							<0.470
1,1,2,2-Tetrachloroethane	October-22	ug/L	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470				<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470				<0.470
1,1,2,2-Tetrachloroethane	April-23	ug/L	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470			<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470				<0.470
1,1,2,2-Tetrachloroethane	May-23	ug/L																							
1,1,2,2-Tetrachloroethane	October-23	ug/L	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470				<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470				<0.470

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
1,1,2-Trichloroethane	January-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,2-Trichloroethane	March-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,2-Trichloroethane	August-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,2-Trichloroethane	September-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,2-Trichloroethane	October-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,2-Trichloroethane	March-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,2-Trichloroethane	June-09	ug/l				<5	<1	<1	<1	<1			<1												
1,1,2-Trichloroethane	September-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,2-Trichloroethane	December-09	ug/l				<2	<2	<2	<1	<1			<1												
1,1,2-Trichloroethane	March-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1,2-Trichloroethane	June-10	ug/l									<1					<1	<1	<1	<1	<1					
1,1,2-Trichloroethane	August-10	ug/l									<1	<1				<1	<1	<1	<1	<1					
1,1,2-Trichloroethane	September-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,1,2-Trichloroethane	December-10	ug/l									<1					<1	<1	<1	<1	<1					
1,1,2-Trichloroethane	March-11	ug/l		<1		<1	<1	<1	<10	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,1,2-Trichloroethane	April-11	ug/l				<1		<1	<10	<1							<1								
1,1,2-Trichloroethane	June-11	ug/l		<1								<1		<1		<1	<1								
1,1,2-Trichloroethane	July-11	ug/l	<1																						
1,1,2-Trichloroethane	August-11	ug/l		<1																					
1,1,2-Trichloroethane	September-11	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1		<1	<1	<1	<1	<1					
1,1,2-Trichloroethane	December-11	ug/l	<1	<1										<1		<1	<1								
1,1,2-Trichloroethane	March-12	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,1,2-Trichloroethane	June-12	ug/l													<1										
1,1,2-Trichloroethane	October-12	ug/l	<1	<1		<1	<1	<1	<1	<1			<1	<1		<1	<1		<1						
1,1,2-Trichloroethane	March-13	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1	<1	<1	<1	<1	<1						
1,1,2-Trichloroethane	June-13	ug/l																			<1				
1,1,2-Trichloroethane	September-13	ug/l	<1	<1		<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1				
1,1,2-Trichloroethane	November-13	ug/l																			<1				
1,1,2-Trichloroethane	March-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1				
1,1,2-Trichloroethane	June-14	ug/l																		<1	<1				
1,1,2-Trichloroethane	September-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
1,1,2-Trichloroethane	December-14	ug/l															<1								
1,1,2-Trichloroethane	April-15	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1				
1,1,2-Trichloroethane	October-15	ug/l	<0.12	<0.12		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12				<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12				
1,1,2-Trichloroethane	April-16	ug/l	<0.12	<0.12		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12			<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12				
1,1,2-Trichloroethane	October-16	ug/l													<0.12										
1,1,2-Trichloroethane	November-16	ug/l	<0.12	<0.12		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12				<0.12	<0.12	<0.12	<0.12	<0.12	<0.12				
1,1,2-Trichloroethane	March-17	ug/l	<0.12	<0.12		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12			<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12				
1,1,2-Trichloroethane	October-17	ug/L	<0.120	<0.120		<0.120	<0.120	<0.120	<0.120	<0.120	<0.120				<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120				
1,1,2-Trichloroethane	December-17	ug/L				<0.120					<0.120								<0.120		<0.120				
1,1,2-Trichloroethane	April-18	ug/L	<0.120	<0.120		<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120			<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120				
1,1,2-Trichloroethane	July-18	ug/L			<0.450							<0.450													
1,1,2-Trichloroethane	October-18	ug/L	<0.450	<0.450		<0.450	<0.450		<0.450						<0.450		<0.450								
1,1,2-Trichloroethane	November-18	ug/L			<0.450			<0.450		<0.450	<0.450	<0.450				<0.450		<0.450	<0.450	<0.450	<0.450				
1,1,2-Trichloroethane	January-19	ug/L			<0.450																				
1,1,2-Trichloroethane	March-19	ug/L	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450			<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450				
1,1,2-Trichloroethane	May-19	ug/L			<0.450															<0.450					
1,1,2-Trichloroethane	October-19	ug/L	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450			<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450				
1,1,2-Trichloroethane	March-20	ug/L	<0.450	<0.450		<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450			<0.450	<0.450	<0.450	<0.450	<0.450		<0.450				
1,1,2-Trichloroethane	April-20	ug/L			<0.450															<0.450					
1,1,2-Trichloroethane	September-20	ug/L	<0.450	<0.450	<0.450		<0.450	<0.450	<0.450	<0.450	<0.450	<0.450			<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450				
1,1,2-Trichloroethane	October-20	ug/L				<0.450																			
1,1,2-Trichloroethane	March-21	ug/L		<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450					<0.450	<0.450	<0.450				<0.450				
1,1,2-Trichloroethane	April-21	ug/L	<0.450								<0.450	<0.450						<0.450	<0.450	<0.450					
1,1,2-Trichloroethane	May-21	ug/L																<0.450							
1,1,2-Trichloroethane	August-21	ug/L																							
1,1,2-Trichloroethane	October-21	ug/L	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450			<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450				
1,1,2-Trichloroethane	December-21	ug/L																<0.450							
1,1,2-Trichloroethane	February-22	ug/L	<0.450																						<0.450
1,1,2-Trichloroethane	April-22	ug/L	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450			<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450				<0.450
1,1,2-Trichloroethane	July-22	ug/L																							<0.450
1,1,2-Trichloroethane	October-22	ug/L	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450				<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450				<0.450
1,1,2-Trichloroethane	April-23	ug/L	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450			<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450				<0.450
1,1,2-Trichloroethane	May-23	ug/L																							
1,1,2-Trichloroethane	October-23	ug/L	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450				<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450				<0.450

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
1,1-Dichloroethane	January-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1-Dichloroethane	March-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1-Dichloroethane	August-08	ug/l				**0.42J**	<1	**0.28J**	**0.22J**	**0.26J**	<1	<1	**0.21J**	<1											
1,1-Dichloroethane	September-08	ug/l				**0.35J**	<1	<1	**0.24J**	**0.31J**	<1	<1	**0.2J**	<1											
1,1-Dichloroethane	October-08	ug/l				**0.42J**	<1	**0.19J**	**0.22J**	**0.25J**	<1	<1	<1	<1											
1,1-Dichloroethane	March-09	ug/l				**0.51J**	<1	<1	**0.29J**	**0.33J**	<1	<1	<1	<1											
1,1-Dichloroethane	June-09	ug/l				<5	<1	<1	<1	<1			<1												
1,1-Dichloroethane	September-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1-Dichloroethane	December-09	ug/l				<1	<1	<1	<1	<1			<1												
1,1-Dichloroethane	March-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,1-Dichloroethane	June-10	ug/l									<1					<1	<1	<1	<1	<1					
1,1-Dichloroethane	August-10	ug/l									<1	<1				<1	<1	<1	<1	<1					
1,1-Dichloroethane	September-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,1-Dichloroethane	December-10	ug/l									<1					<1	<1	<1	<1	<1					
1,1-Dichloroethane	March-11	ug/l		**1.33**		<1	<1	<1	<10	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,1-Dichloroethane	April-11	ug/l				<1		<1	<10	<1							<1								
1,1-Dichloroethane	June-11	ug/l		<1								<1		<1		<1	<1								
1,1-Dichloroethane	July-11	ug/l	<1																						
1,1-Dichloroethane	August-11	ug/l		<1																					
1,1-Dichloroethane	September-11	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1		<1	<1	<1	<1	<1					
1,1-Dichloroethane	December-11	ug/l	<1	**1.2**										<1		<1	<1								
1,1-Dichloroethane	March-12	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,1-Dichloroethane	June-12	ug/l													<1										
1,1-Dichloroethane	October-12	ug/l	<1	<1		<1	<1	<1	<1	<1			<1	<1		<1	<1		<1						
1,1-Dichloroethane	March-13	ug/l	<1	**1.33**		<1	<1	<1	<10	<1	<1		<1	<1	<1	<1	<1	<1	<1						
1,1-Dichloroethane	June-13	ug/l																			<1				
1,1-Dichloroethane	September-13	ug/l	<1	<1		<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1				
1,1-Dichloroethane	November-13	ug/l																			<1				
1,1-Dichloroethane	March-14	ug/l	<1	**0.346J**		<1	<1	**0.265J**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1				
1,1-Dichloroethane	June-14	ug/l																		<1	<1				
1,1-Dichloroethane	September-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
1,1-Dichloroethane	December-14	ug/l															<1								
1,1-Dichloroethane	April-15	ug/l	**0.259J**	<1		<1	<1	<1	<1	<1	<1	**0.489J**			<1	<1	<1	<1	<1	<1	<1				
1,1-Dichloroethane	October-15	ug/l	<0.21	<0.21		<0.21	<0.21	<0.21	<0.21	<0.21	<0.21				<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21				
1,1-Dichloroethane	April-16	ug/l	<0.21	<0.21		<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	**0.332J**			<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21				
1,1-Dichloroethane	October-16	ug/l													<0.21										
1,1-Dichloroethane	November-16	ug/l	<0.21	<0.21		<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21				<0.21	<0.21	<0.21	<0.21	<0.21	<0.21				
1,1-Dichloroethane	March-17	ug/l	<0.21	<0.21		<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	**0.327J**			<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21				
1,1-Dichloroethane	October-17	ug/L	<0.210	<0.210		<0.210	<0.210	**0.679J**	<0.210	<0.210	<0.210				<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210				
1,1-Dichloroethane	December-17	ug/L				<0.210					<0.210								<0.210		<0.210				
1,1-Dichloroethane	April-18	ug/L	<0.210	<0.210		<0.210	<0.210	**0.23J**	<0.210	<0.210	<0.210	<0.210			<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210				
1,1-Dichloroethane	July-18	ug/L			<0.220							<0.220													
1,1-Dichloroethane	October-18	ug/L	<0.220	<0.220		<0.220	<0.220		<0.220						<0.220		<0.220								
1,1-Dichloroethane	November-18	ug/L			<0.220			<0.220		<0.220	<0.220	<0.220				<0.220		<0.220	<0.220	<0.220	<0.220				
1,1-Dichloroethane	January-19	ug/L			<0.220																				
1,1-Dichloroethane	March-19	ug/L	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220			<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220				
1,1-Dichloroethane	May-19	ug/L			<0.220															<0.220					
1,1-Dichloroethane	October-19	ug/L	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220			<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220				
1,1-Dichloroethane	March-20	ug/L	<0.220	<0.220		<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220			<0.220	<0.220	<0.220	<0.220	<0.220		<0.220				
1,1-Dichloroethane	April-20	ug/L			<0.220															<0.220					
1,1-Dichloroethane	September-20	ug/L	<0.220	<0.220	<0.220		<0.220	<0.220	<0.220	<0.220	<0.220	<0.220			<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220				
1,1-Dichloroethane	October-20	ug/L				<0.220																			
1,1-Dichloroethane	March-21	ug/L		<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220					<0.220	<0.220	<0.220				<0.220				
1,1-Dichloroethane	April-21	ug/L	<0.220								<0.220	<0.220						<0.220	<0.220	<0.220					
1,1-Dichloroethane	May-21	ug/L																<0.220							
1,1-Dichloroethane	August-21	ug/L																							
1,1-Dichloroethane	October-21	ug/L	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220			<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220				
1,1-Dichloroethane	December-21	ug/L																<0.220							
1,1-Dichloroethane	February-22	ug/L	<0.220																						<0.220
1,1-Dichloroethane	April-22	ug/L	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220			<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220				<0.220
1,1-Dichloroethane	July-22	ug/L																							<0.220
1,1-Dichloroethane	October-22	ug/L	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220				<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220				<0.220
1,1-Dichloroethane	April-23	ug/L	<0.220	<0.220	<0.220	<0.220	<0.220	**0.263J**	<0.220	<0.220	<0.220	<0.220			<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220				<0.220
1,1-Dichloroethane	May-23	ug/L																							
1,1-Dichloroethane	October-23	ug/L	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220				<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220				<0.220

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
1,1-Dichloroethene	January-08	ug/l				<2	<2	<2	<2	<2	<2	<2	<2	<2											
1,1-Dichloroethene	March-08	ug/l				<2	<2	<2	<2	<2	<2	<2	<2	<2											
1,1-Dichloroethene	August-08	ug/l				<2	<2	<2	<2	<2	<2	<2	<2	<2											
1,1-Dichloroethene	September-08	ug/l				<2	<2	<2	<2	<2	<2	<2	<2	<2											
1,1-Dichloroethene	October-08	ug/l				<2	<2	<2	<2	<2	<2	<2	<2	<2											
1,1-Dichloroethene	March-09	ug/l				<2	<2	<2	<2	<2	<2	<2	<2	<2											
1,1-Dichloroethene	June-09	ug/l				<10	<2	<2	<2	<2			<2												
1,1-Dichloroethene	September-09	ug/l				<2	<2	<2	<2	<2	<2	<2	<2	<2											
1,1-Dichloroethene	December-09	ug/l				<2	<2	<2	<2	<2			<2												
1,1-Dichloroethene	March-10	ug/l				<2	<2	<2	<2	<2	<2	<2	<2	<2											
1,1-Dichloroethene	June-10	ug/l									<2					<2	<2	<2	<2	<2					
1,1-Dichloroethene	August-10	ug/l									<2	<2				<2	<2	<2	<2	<2					
1,1-Dichloroethene	September-10	ug/l				<2	<2	<2	<2	<2	<2	<2	<2	<2		<2	<2	<2	<2	<2					
1,1-Dichloroethene	December-10	ug/l									<2					<2	<2	<2	<2	<2					
1,1-Dichloroethene	March-11	ug/l		<2		<2	<2	<2	<20	<2	<2	<2	<2	<2		<2	<2	<2	<2	<2					
1,1-Dichloroethene	April-11	ug/l				<2		<2	<20	<2							<2								
1,1-Dichloroethene	June-11	ug/l		<2								<2		<2		<2	<2								
1,1-Dichloroethene	July-11	ug/l	<2																						
1,1-Dichloroethene	August-11	ug/l		<2																					
1,1-Dichloroethene	September-11	ug/l	<2	<2		<2	<2	<2	<20	<2	<2		<2	<2		<2	<2	<2	<2	<2					
1,1-Dichloroethene	December-11	ug/l	<2	<2										<2		<2	<2								
1,1-Dichloroethene	March-12	ug/l	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2		<2	<2	<2	<2	<2					
1,1-Dichloroethene	June-12	ug/l													<2										
1,1-Dichloroethene	October-12	ug/l	<2	<2		<2	<2	<2	<2	<2			<2	<2		<2	<2		<2						
1,1-Dichloroethene	March-13	ug/l	<2	<2		<2	<2	<2	<20	<2	<2		<2	<2	<2	<2	<2	<2	<2						
1,1-Dichloroethene	June-13	ug/l																			<2				
1,1-Dichloroethene	September-13	ug/l	<2	<2		<2	<2	<2	<2	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2				
1,1-Dichloroethene	November-13	ug/l																			<2				
1,1-Dichloroethene	March-14	ug/l	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2		<2				
1,1-Dichloroethene	June-14	ug/l																		<2	<2				
1,1-Dichloroethene	September-14	ug/l	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2				
1,1-Dichloroethene	December-14	ug/l															<2								
1,1-Dichloroethene	April-15	ug/l	<2	<2		<2	<2	<2	<2	<2	<2	<2			<2	<2	<2	<2	<2	<2	<2				
1,1-Dichloroethene	October-15	ug/l	<0.15	<0.15		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				
1,1-Dichloroethene	April-16	ug/l	<0.15	<0.15		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15			<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				
1,1-Dichloroethene	October-16	ug/l													<0.15										
1,1-Dichloroethene	November-16	ug/l	<0.15	<0.15		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				
1,1-Dichloroethene	March-17	ug/l	<0.15	<0.15		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15			<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				
1,1-Dichloroethene	October-17	ug/L	<0.150	<0.150		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150				<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150				
1,1-Dichloroethene	December-17	ug/L				<0.150					<0.150								<0.150		<0.150				
1,1-Dichloroethene	April-18	ug/L	<0.150	<0.150		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150			<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150				
1,1-Dichloroethene	July-18	ug/L			<0.560							<0.560													
1,1-Dichloroethene	October-18	ug/L	<0.560	<0.560		<0.560	<0.560		<0.560						<0.560		<0.560								
1,1-Dichloroethene	November-18	ug/L			<0.560			<0.560		<0.560	<0.560	<0.560				<0.560		<0.560	<0.560	<0.560	<0.560				
1,1-Dichloroethene	January-19	ug/L			<0.560																				
1,1-Dichloroethene	March-19	ug/L	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560			<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560				
1,1-Dichloroethene	May-19	ug/L			<0.560															<0.560					
1,1-Dichloroethene	October-19	ug/L	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560			<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560				
1,1-Dichloroethene	March-20	ug/L	<0.560	<0.560		<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560			<0.560	<0.560	<0.560	<0.560	<0.560		<0.560				
1,1-Dichloroethene	April-20	ug/L			<0.560															<0.560					
1,1-Dichloroethene	September-20	ug/L	<0.560	<0.560	<0.560		<0.560	<0.560	<0.560	<0.560	<0.560	<0.560			<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560				
1,1-Dichloroethene	October-20	ug/L				<0.560																			
1,1-Dichloroethene	March-21	ug/L		<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560					<0.560	<0.560	<0.560				<0.560				
1,1-Dichloroethene	April-21	ug/L	<0.560								<0.560	<0.560						<0.560	<0.560	<0.560					
1,1-Dichloroethene	May-21	ug/L																<0.560							
1,1-Dichloroethene	August-21	ug/L																							
1,1-Dichloroethene	October-21	ug/L	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560			<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560				
1,1-Dichloroethene	December-21	ug/L																<0.560							
1,1-Dichloroethene	February-22	ug/L	<0.560																						<0.560
1,1-Dichloroethene	April-22	ug/L	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560			<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560				<0.560
1,1-Dichloroethene	July-22	ug/L																							<0.560
1,1-Dichloroethene	October-22	ug/L	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560				<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560				<0.560
1,1-Dichloroethene	April-23	ug/L	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560			<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560				<0.560
1,1-Dichloroethene	May-23	ug/L																							
1,1-Dichloroethene	October-23	ug/L	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560				<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560				<0.560

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
1,1-Dichloropropene	March-09	ug/l					<1	<1	<1																
1,1-Dichloropropene	June-09	ug/l				<5	<1	<1	<1	<1			<1												
1,1-Dichloropropene	September-09	ug/l				<1	<1	<1	<1	<1			<1												
1,1-Dichloropropene	December-09	ug/l				<1	<1	<1	<1	<1			<1												
1,1-Dichloropropene	March-10	ug/l				<1	<1	<2.5	<2.5	<1			<2.5												
1,1-Dichloropropene	June-10	ug/l									<1														
1,1-Dichloropropene	August-10	ug/l									<1	<1													
1,1-Dichloropropene	September-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1												
1,1-Dichloropropene	December-10	ug/l									<1														
1,1-Dichloropropene	March-11	ug/l				<1	<1	<1	<10	<1	<1	<1	<1	<1											
1,1-Dichloropropene	April-11	ug/l				<1		<1	<10	<1							<1								
1,1-Dichloropropene	June-11	ug/l										<1		<1		<1	<1								
1,1-Dichloropropene	September-11	ug/l				<1	<1	<1	<10	<1	<1		<1	<1		<1	<1								
1,1-Dichloropropene	December-11	ug/l												<1		<1	<1								
1,1-Dichloropropene	March-12	ug/l											<1			<1	<1								
1,1-Dichloropropene	December-14	ug/l															<1								
1,1-Dichloropropene	October-16	ug/l													<0.15										
1,1-Dichloropropene	November-16	ug/l						<0.15	<0.15	<0.15						<0.15	<0.15								
1,1-Dichloropropene	October-17	ug/L					<0.150																		
1,1-Dichloropropene	December-17	ug/L				<0.150					<0.150								<0.150		<0.150				
1,1-Dichloropropene	July-18	ug/L			<0.430							<0.430													
1,1-Dichloropropene	November-18	ug/L			<0.430							<0.430													
1,1-Dichloropropene	May-19	ug/L																		<0.430					
1,1-Dichloropropene	October-21	ug/L						<0.430	<0.430	<0.430						<0.430	<0.430								
1,1-Dichloropropene	December-21	ug/L																<0.430							
1,1-Dichloropropene	October-22	ug/L				<0.430	<0.430				<0.430								<0.430		<0.430				
1,2,3-Trichloropropane	January-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2,3-Trichloropropane	March-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2,3-Trichloropropane	August-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2,3-Trichloropropane	September-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2,3-Trichloropropane	October-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2,3-Trichloropropane	March-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2,3-Trichloropropane	June-09	ug/l				<5	<1	<1	<1	<1			<1												
1,2,3-Trichloropropane	September-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2,3-Trichloropropane	December-09	ug/l				<2	<2	<2	<1	<1			<1												
1,2,3-Trichloropropane	March-10	ug/l				<2	<2	<2.5	<2.5	<2	<2	<2	<2.5	<2											
1,2,3-Trichloropropane	June-10	ug/l									<1					<1	<1	<1	<1	<1					
1,2,3-Trichloropropane	August-10	ug/l									<1	<1				<1	<1	<1	<1	<1					
1,2,3-Trichloropropane	September-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,2,3-Trichloropropane	December-10	ug/l									<1					<1	<1	<1	<1	<1					
1,2,3-Trichloropropane	March-11	ug/l		<1		<1	<1	<1	<10	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,2,3-Trichloropropane	April-11	ug/l				<1		<1	<10	<1							<1								
1,2,3-Trichloropropane	June-11	ug/l		<1								<1		<1		<1	<1								
1,2,3-Trichloropropane	July-11	ug/l	<1																						
1,2,3-Trichloropropane	August-11	ug/l		<1																					
1,2,3-Trichloropropane	September-11	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1		<1	<1	<1	<1	<1					
1,2,3-Trichloropropane	December-11	ug/l	<1	<1										<1		<1	<1								
1,2,3-Trichloropropane	March-12	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,2,3-Trichloropropane	June-12	ug/l													<1										
1,2,3-Trichloropropane	October-12	ug/l	<1	<1		<1	<1	<1	<1	<1			<1	<1		<1	<1		<1						
1,2,3-Trichloropropane	March-13	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1	<1	<1	<1	<1	<1						
1,2,3-Trichloropropane	June-13	ug/l																			<1				
1,2,3-Trichloropropane	September-13	ug/l	<1	<1		<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1				
1,2,3-Trichloropropane	November-13	ug/l																			<1				
1,2,3-Trichloropropane	March-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1				
1,2,3-Trichloropropane	June-14	ug/l																		<1	<1				
1,2,3-Trichloropropane	September-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
1,2,3-Trichloropropane	December-14	ug/l															<1								
1,2,3-Trichloropropane	April-15	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1				
1,2,3-Trichloropropane	October-15	ug/l	<0.19	<0.19		<0.19	<0.19	<0.19	<0.19	<0.19	<0.19				<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19				
1,2,3-Trichloropropane	April-16	ug/l	<0.19	<0.19		<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19			<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19				
1,2,3-Trichloropropane	October-16	ug/l													<0.19										
1,2,3-Trichloropropane	November-16	ug/l	<0.19	<0.19		<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19				<0.19	<0.19	<0.19	<0.19	<0.19	<0.19				
1,2,3-Trichloropropane	March-17	ug/l	<0.19	<0.19		<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19			<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19				
1,2,3-Trichloropropane	October-17	ug/L	<0.190	<0.190		<0.190	<0.190	<0.190	<0.190	<0.190	<0.190				<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190				

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Analytical Data Summary
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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
1,2,3-Trichloropropane	December-17	ug/L				<0.190					<0.190								<0.190		<0.190				
1,2,3-Trichloropropane	April-18	ug/L	<0.190	<0.190		<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190			<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190				
1,2,3-Trichloropropane	July-18	ug/L			<0.590							<0.590													
1,2,3-Trichloropropane	October-18	ug/L	<0.590	<0.590		<0.590	<0.590		<0.590						<0.590		<0.590								
1,2,3-Trichloropropane	November-18	ug/L			<0.590			<0.590		<0.590	<0.590	<0.590				<0.590		<0.590	<0.590	<0.590	<0.590				
1,2,3-Trichloropropane	January-19	ug/L			<0.590																				
1,2,3-Trichloropropane	March-19	ug/L	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590			<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590				
1,2,3-Trichloropropane	May-19	ug/L			<0.590															<0.590					
1,2,3-Trichloropropane	October-19	ug/L	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590			<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590				
1,2,3-Trichloropropane	March-20	ug/L	<0.590	<0.590		<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590			<0.590	<0.590	<0.590	<0.590	<0.590		<0.590				
1,2,3-Trichloropropane	April-20	ug/L			<0.590															<0.590					
1,2,3-Trichloropropane	September-20	ug/L	<0.590	<0.590	<0.590		<0.590	<0.590	<0.590	<0.590	<0.590	<0.590			<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590				
1,2,3-Trichloropropane	October-20	ug/L				<0.590																			
1,2,3-Trichloropropane	March-21	ug/L		<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590					<0.590	<0.590	<0.590				<0.590				
1,2,3-Trichloropropane	April-21	ug/L	<0.590								<0.590	<0.590						<0.590	<0.590	<0.590					
1,2,3-Trichloropropane	May-21	ug/L																<0.590							
1,2,3-Trichloropropane	August-21	ug/L																							
1,2,3-Trichloropropane	October-21	ug/L	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590			<0.590	<0.590	**0.846J**	<0.590	<0.590	<0.590	<0.590				
1,2,3-Trichloropropane	December-21	ug/L																<0.590							
1,2,3-Trichloropropane	February-22	ug/L	<0.590																						<0.590
1,2,3-Trichloropropane	April-22	ug/L	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590			<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590				<0.590
1,2,3-Trichloropropane	July-22	ug/L																							<0.590
1,2,3-Trichloropropane	October-22	ug/L	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590				<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590				<0.590
1,2,3-Trichloropropane	April-23	ug/L	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590			<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590				<0.590
1,2,3-Trichloropropane	May-23	ug/L																							
1,2,3-Trichloropropane	October-23	ug/L	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590				<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590				<0.590
1,2,4,5-Tetrachlorobenzene	March-09	ug/l					<10	<10	<10																
1,2,4,5-Tetrachlorobenzene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
1,2,4,5-Tetrachlorobenzene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
1,2,4,5-Tetrachlorobenzene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
1,2,4,5-Tetrachlorobenzene	March-10	ug/l				<10				<10			<10												
1,2,4,5-Tetrachlorobenzene	June-10	ug/l									<10														
1,2,4,5-Tetrachlorobenzene	August-10	ug/l									<10	<10													
1,2,4,5-Tetrachlorobenzene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
1,2,4,5-Tetrachlorobenzene	December-10	ug/l									<10														
1,2,4,5-Tetrachlorobenzene	March-11	ug/l										<10		<10											
1,2,4,5-Tetrachlorobenzene	June-11	ug/l										<10		<10		<10	<10								
1,2,4,5-Tetrachlorobenzene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
1,2,4,5-Tetrachlorobenzene	December-11	ug/l												<10		<10	<10								
1,2,4,5-Tetrachlorobenzene	March-12	ug/l														<10	<10								
1,2,4,5-Tetrachlorobenzene	December-14	ug/l															<10.2								
1,2,4,5-Tetrachlorobenzene	October-16	ug/l													<0.125										
1,2,4,5-Tetrachlorobenzene	November-16	ug/l						<0.12	<0.12	<0.13						<0.135	<0.133								
1,2,4,5-Tetrachlorobenzene	October-17	ug/L					<0.126																		
1,2,4,5-Tetrachlorobenzene	December-17	ug/L				<0.128					<0.125								<0.125		<0.125				
1,2,4,5-Tetrachlorobenzene	July-18	ug/L			<0.141							<0.146													
1,2,4,5-Tetrachlorobenzene	November-18	ug/L			<0.144							<0.146													
1,2,4,5-Tetrachlorobenzene	May-19	ug/L																		<0.141					
1,2,4,5-Tetrachlorobenzene	October-21	ug/L						<1.68	<1.68	<1.63						<1.67	<1.68								
1,2,4,5-Tetrachlorobenzene	December-21	ug/L																<1.68							
1,2,4,5-Tetrachlorobenzene	October-22	ug/L				<0.458	<0.458				<0.458								<0.458		<0.474				
1,2,4-Trichlorobenzene	March-09	ug/l					<5	<5	<5																
1,2,4-Trichlorobenzene	June-09	ug/l				<25	<5	<5	<5	<5			<5												
1,2,4-Trichlorobenzene	September-09	ug/l				<5	<5	<5	<5	<5			<5												
1,2,4-Trichlorobenzene	December-09	ug/l				<10	<10	<10	<5	<5			<5												
1,2,4-Trichlorobenzene	March-10	ug/l				<5	<5	<5	<5	<5			<5												
1,2,4-Trichlorobenzene	June-10	ug/l									<5														
1,2,4-Trichlorobenzene	August-10	ug/l									<5	<5													
1,2,4-Trichlorobenzene	September-10	ug/l				<5	<5	<5	<5	<5	<5	<5	<5												
1,2,4-Trichlorobenzene	December-10	ug/l									<5														
1,2,4-Trichlorobenzene	March-11	ug/l				<5	<5	<5	<50	<5	<5	<5	<5	<5											
1,2,4-Trichlorobenzene	April-11	ug/l				<5		<5	<50	<5							<5								
1,2,4-Trichlorobenzene	June-11	ug/l										<5		<5		<5	<5								
1,2,4-Trichlorobenzene	September-11	ug/l				<5	<5	<5	<50	<5	<5		<5	<5		<5	<5								
1,2,4-Trichlorobenzene	December-11	ug/l												<5		<5	<5								

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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
1,2,4-Trichlorobenzene	March-12	ug/l											<5			<5	<5								
1,2,4-Trichlorobenzene	December-14	ug/l															<5								
1,2,4-Trichlorobenzene	October-16	ug/l													<0.16										
1,2,4-Trichlorobenzene	November-16	ug/l						<0.16	<0.16	<0.16						<0.16	<0.16								
1,2,4-Trichlorobenzene	October-17	ug/L					<0.160																		
1,2,4-Trichlorobenzene	December-17	ug/L				<0.160					<0.160								<0.160		<0.160				
1,2,4-Trichlorobenzene	July-18	ug/L			<0.750							<0.750													
1,2,4-Trichlorobenzene	November-18	ug/L			<0.750							<0.750													
1,2,4-Trichlorobenzene	May-19	ug/L																		<0.750					
1,2,4-Trichlorobenzene	October-21	ug/L						<0.750	<0.750	<0.750						<0.750	<0.750								
1,2,4-Trichlorobenzene	December-21	ug/L																<0.750							
1,2,4-Trichlorobenzene	October-22	ug/L				<0.750	<0.750				<0.750								<0.750		<0.750				
1,2-Dibromo-3-Chloropropane	October-17	ug/L	<0.500	<0.500		<0.500	<0.500	<0.500	<0.500	<0.500	<0.500				<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500				
1,2-Dibromo-3-Chloropropane	December-17	ug/L				<0.500					<0.500								<0.500		<0.500				
1,2-Dibromo-3-Chloropropane	April-18	ug/L	<0.500	<0.500		<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500			<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500				
1,2-Dibromo-3-Chloropropane	July-18	ug/L			<1.20							<1.20													
1,2-Dibromo-3-Chloropropane	October-18	ug/L	<1.20	<1.20		<1.20	<1.20		<1.20						<1.20		<1.20								
1,2-Dibromo-3-Chloropropane	November-18	ug/L			<1.20			<1.20		<1.20	<1.20	<1.20				<1.20		<1.20	<1.20	<1.20	<1.20				
1,2-Dibromo-3-Chloropropane	January-19	ug/L			<1.20																				
1,2-Dibromo-3-Chloropropane	March-19	ug/L	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20			<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20				
1,2-Dibromo-3-Chloropropane	May-19	ug/L			<1.20															<1.20					
1,2-Dibromo-3-Chloropropane	October-19	ug/L	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20			<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20				
1,2-Dibromo-3-Chloropropane	March-20	ug/L	<1.20	<1.20		<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20			<1.20	<1.20	<1.20	<1.20	<1.20		<1.20				
1,2-Dibromo-3-Chloropropane	April-20	ug/L			<1.20															<1.20					
1,2-Dibromo-3-Chloropropane	September-20	ug/L	<1.20	<1.20	<1.20		<1.20	<1.20	<1.20	<1.20	<1.20	<1.20			<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20				
1,2-Dibromo-3-Chloropropane	October-20	ug/L				<1.20																			
1,2-Dibromo-3-Chloropropane	March-21	ug/L		<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20					<1.20	<1.20	<1.20				<1.20				
1,2-Dibromo-3-Chloropropane	April-21	ug/L	<1.20								<1.20	<1.20						<1.20	<1.20	<1.20					
1,2-Dibromo-3-Chloropropane	May-21	ug/L																<1.20							
1,2-Dibromo-3-Chloropropane	August-21	ug/L																							
1,2-Dibromo-3-Chloropropane	October-21	ug/L	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20			<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20				
1,2-Dibromo-3-Chloropropane	December-21	ug/L																<1.20							
1,2-Dibromo-3-Chloropropane	February-22	ug/L	<1.20																						<1.20
1,2-Dibromo-3-Chloropropane	April-22	ug/L	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20			<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20				<1.20
1,2-Dibromo-3-Chloropropane	July-22	ug/L																							<1.20
1,2-Dibromo-3-Chloropropane	October-22	ug/L	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20				<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20				<1.20
1,2-Dibromo-3-Chloropropane	April-23	ug/L	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20			<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20				<1.20
1,2-Dibromo-3-Chloropropane	May-23	ug/L																							
1,2-Dibromo-3-Chloropropane	October-23	ug/L	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20				<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20				<1.20
1,2-Dibromo-3-chloropropane	January-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
1,2-Dibromo-3-chloropropane	March-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
1,2-Dibromo-3-chloropropane	August-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
1,2-Dibromo-3-chloropropane	September-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
1,2-Dibromo-3-chloropropane	October-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
1,2-Dibromo-3-chloropropane	March-09	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
1,2-Dibromo-3-chloropropane	June-09	ug/l				<50	<10	<10	<10	<10			<10												
1,2-Dibromo-3-chloropropane	September-09	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
1,2-Dibromo-3-chloropropane	December-09	ug/l				<10	<10	<10	<10	<10			<10												
1,2-Dibromo-3-chloropropane	March-10	ug/l				<10	<10	<50	<50	<10	<10	<10	<50	<10											
1,2-Dibromo-3-chloropropane	June-10	ug/l									<10					<10	<10	<10	<10	<10					
1,2-Dibromo-3-chloropropane	August-10	ug/l									<20	<20				<20	<20	<20	<20	<20					
1,2-Dibromo-3-chloropropane	September-10	ug/l				<20	<20	<20	<20	<20	<20	<20	<20	<20		<20	<20	<20	<20	<20					
1,2-Dibromo-3-chloropropane	December-10	ug/l									<10					<10	<10	<10	<10	<10					
1,2-Dibromo-3-chloropropane	March-11	ug/l		<10		<10	<10	<10	<100	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
1,2-Dibromo-3-chloropropane	April-11	ug/l				<10		<10	<100	<10							<10								
1,2-Dibromo-3-chloropropane	June-11	ug/l		<10								<10		<10		<10	<10								
1,2-Dibromo-3-chloropropane	July-11	ug/l	<10																						
1,2-Dibromo-3-chloropropane	August-11	ug/l		<10																					
1,2-Dibromo-3-chloropropane	September-11	ug/l	<10	<10		<10	<10	<10	<100	<10	<10		<10	<10		<10	<10	<10	<10	<10					
1,2-Dibromo-3-chloropropane	December-11	ug/l	<10	<10										<10		<10	<10								
1,2-Dibromo-3-chloropropane	March-12	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
1,2-Dibromo-3-chloropropane	June-12	ug/l													<10										
1,2-Dibromo-3-chloropropane	October-12	ug/l	<10	<10		<10	<10	<10	<10	<10			<10	<10		<10	<10		<10						
1,2-Dibromo-3-chloropropane	March-13	ug/l	<10	<10		<10	<10	<10	<100	<10	<10		<10	<10	<10	<10	<10	<10	<10						
1,2-Dibromo-3-chloropropane	June-13	ug/l																			<10				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
1,2-Dibromo-3-chloropropane	September-13	ug/l	<10	<10		<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10				
1,2-Dibromo-3-chloropropane	November-13	ug/l																			<10				
1,2-Dibromo-3-chloropropane	March-14	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10				
1,2-Dibromo-3-chloropropane	June-14	ug/l																		<10	<10				
1,2-Dibromo-3-chloropropane	September-14	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10				
1,2-Dibromo-3-chloropropane	December-14	ug/l															<10								
1,2-Dibromo-3-chloropropane	April-15	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10			<10	<10	<10	<10	<10	<10	<10				
1,2-Dibromo-3-chloropropane	October-15	ug/l	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				
1,2-Dibromo-3-chloropropane	April-16	ug/l	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				
1,2-Dibromo-3-chloropropane	October-16	ug/l													<0.5										
1,2-Dibromo-3-chloropropane	November-16	ug/l	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				
1,2-Dibromo-3-chloropropane	March-17	ug/l	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				
1,2-Dibromoethane (EDB)	January-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
1,2-Dibromoethane (EDB)	March-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
1,2-Dibromoethane (EDB)	August-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
1,2-Dibromoethane (EDB)	September-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
1,2-Dibromoethane (EDB)	October-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
1,2-Dibromoethane (EDB)	March-09	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
1,2-Dibromoethane (EDB)	June-09	ug/l				<50	<10	<10	<10	<10			<10												
1,2-Dibromoethane (EDB)	September-09	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
1,2-Dibromoethane (EDB)	December-09	ug/l				<10	<10	<10	<10	<10			<10												
1,2-Dibromoethane (EDB)	March-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
1,2-Dibromoethane (EDB)	June-10	ug/l									<10					<10	<10	<10	<10	<10					
1,2-Dibromoethane (EDB)	August-10	ug/l									<10	<10				<10	<10	<10	<10	<10					
1,2-Dibromoethane (EDB)	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
1,2-Dibromoethane (EDB)	December-10	ug/l									<10					<10	<10	<10	<10	<10					
1,2-Dibromoethane (EDB)	March-11	ug/l		<10		<10	<10	<10	<100	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
1,2-Dibromoethane (EDB)	April-11	ug/l				<10		<10	<100	<10							<10								
1,2-Dibromoethane (EDB)	June-11	ug/l		<10								<10		<10		<10	<10								
1,2-Dibromoethane (EDB)	July-11	ug/l	<10																						
1,2-Dibromoethane (EDB)	August-11	ug/l		<10																					
1,2-Dibromoethane (EDB)	September-11	ug/l	<10	<10		<10	<10	<10	<100	<10	<10		<10	<10		<10	<10	<10	<10	<10					
1,2-Dibromoethane (EDB)	December-11	ug/l	<10	<10										<10		<10	<10								
1,2-Dibromoethane (EDB)	March-12	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
1,2-Dibromoethane (EDB)	June-12	ug/l													<10										
1,2-Dibromoethane (EDB)	October-12	ug/l	<10	<10		<10	<10	<10	<10	<10			<10	<10		<10	<10		<10						
1,2-Dibromoethane (EDB)	March-13	ug/l	<10	<10		<10	<10	<10	<100	<10	<10		<10	<10	<10	<10	<10	<10	<10						
1,2-Dibromoethane (EDB)	June-13	ug/l																			<10				
1,2-Dibromoethane (EDB)	September-13	ug/l	<10	<10		<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10				
1,2-Dibromoethane (EDB)	November-13	ug/l																			<10				
1,2-Dibromoethane (EDB)	March-14	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10				
1,2-Dibromoethane (EDB)	June-14	ug/l																		<10	<10				
1,2-Dibromoethane (EDB)	September-14	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10				
1,2-Dibromoethane (EDB)	December-14	ug/l															<10								
1,2-Dibromoethane (EDB)	April-15	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10			<10	<10	<10	<10	<10	<10	<10				
1,2-Dibromoethane (EDB)	October-15	ug/l	<0.13	<0.13		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13				<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13				
1,2-Dibromoethane (EDB)	April-16	ug/l	<0.13	<0.13		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13			<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13				
1,2-Dibromoethane (EDB)	October-16	ug/l													<0.13										
1,2-Dibromoethane (EDB)	November-16	ug/l	<0.13	<0.13		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13				<0.13	<0.13	<0.13	<0.13	<0.13	<0.13				
1,2-Dibromoethane (EDB)	March-17	ug/l	<0.13	<0.13		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13			<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13				
1,2-Dibromoethane (EDB)	October-17	ug/L	<0.130	<0.130		<0.130	<0.130	<0.130	<0.130	<0.130	<0.130				<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130				
1,2-Dibromoethane (EDB)	December-17	ug/L				<0.130					<0.130								<0.130		<0.130				
1,2-Dibromoethane (EDB)	April-18	ug/L	<0.130	<0.130		<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130			<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130				
1,2-Dibromoethane (EDB)	July-18	ug/L			<0.340							<0.340													
1,2-Dibromoethane (EDB)	October-18	ug/L	<0.340	<0.340		<0.340	<0.340		<0.340						<0.340		<0.340								
1,2-Dibromoethane (EDB)	November-18	ug/L			<0.340			<0.340		<0.340	<0.340	<0.340				<0.340		<0.340	<0.340	<0.340	<0.340				
1,2-Dibromoethane (EDB)	January-19	ug/L			<0.340																				
1,2-Dibromoethane (EDB)	March-19	ug/L	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340			<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340				
1,2-Dibromoethane (EDB)	May-19	ug/L			<0.340															<0.340					
1,2-Dibromoethane (EDB)	October-19	ug/L	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340			<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340				
1,2-Dibromoethane (EDB)	March-20	ug/L	<0.340	<0.340		<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340			<0.340	<0.340	<0.340	<0.340	<0.340		<0.340				
1,2-Dibromoethane (EDB)	April-20	ug/L			<0.340															<0.340					
1,2-Dibromoethane (EDB)	September-20	ug/L	<0.340	<0.340	<0.340		<0.340	<0.340	<0.340	<0.340	<0.340	<0.340			<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340				
1,2-Dibromoethane (EDB)	October-20	ug/L				<0.340																			
1,2-Dibromoethane (EDB)	March-21	ug/L		<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340					<0.340	<0.340	<0.340				<0.340				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
1,2-Dibromoethane (EDB)	April-21	ug/L	<0.340								<0.340	<0.340						<0.340	<0.340	<0.340					
1,2-Dibromoethane (EDB)	May-21	ug/L																<0.340							
1,2-Dibromoethane (EDB)	August-21	ug/L																							
1,2-Dibromoethane (EDB)	October-21	ug/L	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340			<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340				
1,2-Dibromoethane (EDB)	December-21	ug/L																<0.340							
1,2-Dibromoethane (EDB)	February-22	ug/L	<0.340																						<0.340
1,2-Dibromoethane (EDB)	April-22	ug/L	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340			<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340				<0.340
1,2-Dibromoethane (EDB)	July-22	ug/L																							<0.340
1,2-Dibromoethane (EDB)	October-22	ug/L	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340				<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340				<0.340
1,2-Dibromoethane (EDB)	April-23	ug/L	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340			<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340				<0.340
1,2-Dibromoethane (EDB)	May-23	ug/L																							
1,2-Dibromoethane (EDB)	October-23	ug/L	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340				<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340				<0.340
1,2-Dichlorobenzene	January-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2-Dichlorobenzene	March-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2-Dichlorobenzene	August-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2-Dichlorobenzene	September-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2-Dichlorobenzene	October-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2-Dichlorobenzene	March-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2-Dichlorobenzene	June-09	ug/l				<5	<1	<1	<1	<1			<1												
1,2-Dichlorobenzene	September-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2-Dichlorobenzene	December-09	ug/l				<2	<2	<2	<1	<1			<1												
1,2-Dichlorobenzene	March-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2-Dichlorobenzene	June-10	ug/l									<1					<1	<1	<1	<1	<1					
1,2-Dichlorobenzene	August-10	ug/l									<1	<1				<1	<1	<1	<1	<1					
1,2-Dichlorobenzene	September-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,2-Dichlorobenzene	December-10	ug/l									<1					<1	<1	<1	<1	<1					
1,2-Dichlorobenzene	March-11	ug/l		<1		<1	<1	<1	<10	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,2-Dichlorobenzene	April-11	ug/l				<1		<1	<10	<1							<1								
1,2-Dichlorobenzene	June-11	ug/l		<1								<1		<1		<1	<1								
1,2-Dichlorobenzene	July-11	ug/l	<1																						
1,2-Dichlorobenzene	August-11	ug/l		<1																					
1,2-Dichlorobenzene	September-11	ug/l	<2	<2		<1	<1	<1	<10	<2	<2		<1	<1		<1	<1	<2	<2	<2					
1,2-Dichlorobenzene	December-11	ug/l	<1	<1										<1		<1	<1								
1,2-Dichlorobenzene	March-12	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,2-Dichlorobenzene	June-12	ug/l													<1										
1,2-Dichlorobenzene	October-12	ug/l	<1	<1		<1	<1	<1	<1	<1			<1	<1		<1	<1		<1						
1,2-Dichlorobenzene	March-13	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1	<1	<1	<1	<1	<1						
1,2-Dichlorobenzene	June-13	ug/l																			<1				
1,2-Dichlorobenzene	September-13	ug/l	<1	<1		<1	<1	**0.371J**	<1	<1	<1		<1	<1	<1	**0.567J**	<1	<1	<1	<1	<1				
1,2-Dichlorobenzene	November-13	ug/l																			<1				
1,2-Dichlorobenzene	March-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1				
1,2-Dichlorobenzene	June-14	ug/l																		<1	<1				
1,2-Dichlorobenzene	September-14	ug/l	<1	<1		<1	<1	**0.308J**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
1,2-Dichlorobenzene	December-14	ug/l															<1								
1,2-Dichlorobenzene	April-15	ug/l	<1	<1		<1	<1	**0.192J**	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1				
1,2-Dichlorobenzene	October-15	ug/l	<0.14	<0.14		<0.14	<0.14	**0.268J**	<0.14	<0.14	<0.14				<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14				
1,2-Dichlorobenzene	April-16	ug/l	<0.14	<0.14		<0.14	<0.14	**0.233J**	<0.14	<0.14	<0.14	<0.14			<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14				
1,2-Dichlorobenzene	October-16	ug/l													<0.14										
1,2-Dichlorobenzene	November-16	ug/l	<0.14	<0.14		<0.14	<0.14	**0.312J**	<0.14	<0.14	<0.14	<0.14				**0.319J**	<0.14	<0.14	<0.14	<0.14	<0.14				
1,2-Dichlorobenzene	March-17	ug/l	<0.14	<0.14		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14			<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14				
1,2-Dichlorobenzene	October-17	ug/L	<0.140	<0.140		<0.140	<0.140	**0.158J**	<0.140	<0.140	<0.140				<0.140	**0.229J**	<0.140	<0.140	<0.140	<0.140	<0.140				
1,2-Dichlorobenzene	December-17	ug/L				<0.140					<0.140								<0.140		<0.140				
1,2-Dichlorobenzene	April-18	ug/L	<0.140	<0.140		<0.140	<0.140	**0.286J**	<0.140	<0.140	<0.140	<0.140			<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140				
1,2-Dichlorobenzene	July-18	ug/L			<0.370							<0.370													
1,2-Dichlorobenzene	October-18	ug/L	<0.370	<0.370		<0.370	<0.370		<0.370						<0.370		<0.370								
1,2-Dichlorobenzene	November-18	ug/L			<0.370			**0.472J**		<0.370	<0.370	<0.370				<0.370		<0.370	<0.370	<0.370	<0.370				
1,2-Dichlorobenzene	January-19	ug/L			<0.370																				
1,2-Dichlorobenzene	March-19	ug/L	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370			<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370				
1,2-Dichlorobenzene	May-19	ug/L			<0.370															<0.370					
1,2-Dichlorobenzene	October-19	ug/L	<0.370	<0.370	<0.370	<0.370	<0.370	**0.381J**	<0.370	<0.370	<0.370	<0.370			<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370				
1,2-Dichlorobenzene	March-20	ug/L	<0.370	<0.370		<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370			<0.370	<0.370	<0.370	<0.370	<0.370		<0.370				
1,2-Dichlorobenzene	April-20	ug/L			<0.370															<0.370					
1,2-Dichlorobenzene	September-20	ug/L	<0.370	<0.370	<0.370		<0.370	<0.370	<0.370	<0.370	<0.370	<0.370			<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370				
1,2-Dichlorobenzene	October-20	ug/L				<0.370																			
1,2-Dichlorobenzene	March-21	ug/L		<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370					<0.370	<0.370	<0.370				<0.370				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
1,2-Dichlorobenzene	April-21	ug/L	<0.370								<0.370	<0.370						<0.370	<0.370	<0.370					
1,2-Dichlorobenzene	May-21	ug/L																<0.370							
1,2-Dichlorobenzene	August-21	ug/L																							
1,2-Dichlorobenzene	October-21	ug/L	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370			<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370				
1,2-Dichlorobenzene	December-21	ug/L																<0.370							
1,2-Dichlorobenzene	February-22	ug/L	<0.370																						<0.370
1,2-Dichlorobenzene	April-22	ug/L	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370			<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370				<0.370
1,2-Dichlorobenzene	July-22	ug/L																							<0.370
1,2-Dichlorobenzene	October-22	ug/L	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370				<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370				<0.370
1,2-Dichlorobenzene	April-23	ug/L	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370			<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370				<0.370
1,2-Dichlorobenzene	May-23	ug/L																							
1,2-Dichlorobenzene	October-23	ug/L	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370				<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370				<0.370
1,2-Dichloroethane	January-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2-Dichloroethane	March-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2-Dichloroethane	August-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2-Dichloroethane	September-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2-Dichloroethane	October-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2-Dichloroethane	March-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2-Dichloroethane	June-09	ug/l				<5	<1	<1	<1	<1			<1												
1,2-Dichloroethane	September-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2-Dichloroethane	December-09	ug/l				<1	<1	<1	<1	<1			<1												
1,2-Dichloroethane	March-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2-Dichloroethane	June-10	ug/l									<1					<1	<1	<1	<1	<1					
1,2-Dichloroethane	August-10	ug/l									<1	<1				<1	<1	<1	<1	<1					
1,2-Dichloroethane	September-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,2-Dichloroethane	December-10	ug/l									<1					<1	<1	<1	<1	<1					
1,2-Dichloroethane	March-11	ug/l		<1		<1	<1	<1	<10	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,2-Dichloroethane	April-11	ug/l				<1		<1	<10	<1							<1								
1,2-Dichloroethane	June-11	ug/l		<1								<1		<1		<1	<1								
1,2-Dichloroethane	July-11	ug/l	<1																						
1,2-Dichloroethane	August-11	ug/l		<1																					
1,2-Dichloroethane	September-11	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1		<1	<1	<1	<1	<1					
1,2-Dichloroethane	December-11	ug/l	<1	<1										<1		<1	<1								
1,2-Dichloroethane	March-12	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,2-Dichloroethane	June-12	ug/l													<1										
1,2-Dichloroethane	October-12	ug/l	<1	<1		<1	<1	<1	<1	<1			<1	<1		<1	<1		<1						
1,2-Dichloroethane	March-13	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1	<1	<1	<1	<1	<1						
1,2-Dichloroethane	June-13	ug/l																			<1				
1,2-Dichloroethane	September-13	ug/l	<1	<1		<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1				
1,2-Dichloroethane	November-13	ug/l																			<1				
1,2-Dichloroethane	March-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1				
1,2-Dichloroethane	June-14	ug/l																		<1	<1				
1,2-Dichloroethane	September-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
1,2-Dichloroethane	December-14	ug/l															<1								
1,2-Dichloroethane	April-15	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1				
1,2-Dichloroethane	October-15	ug/l	<0.18	<0.18		<0.18	<0.18	<0.18	<0.18	<0.18	<0.18				<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18				
1,2-Dichloroethane	April-16	ug/l	<0.18	<0.18		<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18			<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18				
1,2-Dichloroethane	October-16	ug/l													<0.18										
1,2-Dichloroethane	November-16	ug/l	<0.18	<0.18		<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18				<0.18	<0.18	<0.18	<0.18	<0.18	<0.18				
1,2-Dichloroethane	March-17	ug/l	<0.18	<0.18		<0.18	<0.18	**0.188J**	<0.18	<0.18	<0.18	<0.18			<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18				
1,2-Dichloroethane	October-17	ug/L	<0.180	<0.180		<0.180	<0.180	**0.255J**	**0.183J**	**0.199J**	<0.180				<0.180	**0.212J**	<0.180	<0.180	<0.180	<0.180	<0.180				
1,2-Dichloroethane	December-17	ug/L				<0.180					<0.180								<0.180		<0.180				
1,2-Dichloroethane	April-18	ug/L	<0.180	<0.180		<0.180	<0.180	**0.243J**	<0.180	<0.180	<0.180	<0.180			<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180				
1,2-Dichloroethane	July-18	ug/L			<0.390							<0.390													
1,2-Dichloroethane	October-18	ug/L	<0.390	<0.390		<0.390	<0.390		<0.390						<0.390		<0.390								
1,2-Dichloroethane	November-18	ug/L			<0.390			<0.390		<0.390	<0.390	<0.390				<0.390		<0.390	<0.390	<0.390	<0.390				
1,2-Dichloroethane	January-19	ug/L			<0.390																				
1,2-Dichloroethane	March-19	ug/L	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390			<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390				
1,2-Dichloroethane	May-19	ug/L			<0.390															**0.498J**					
1,2-Dichloroethane	October-19	ug/L	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390			<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390				
1,2-Dichloroethane	March-20	ug/L	<0.390	<0.390		<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390			<0.390	<0.390	<0.390	<0.390	<0.390		<0.390				
1,2-Dichloroethane	April-20	ug/L			<0.390															<0.390					
1,2-Dichloroethane	September-20	ug/L	<0.390	<0.390	<0.390		<0.390	<0.390	<0.390	<0.390	<0.390	<0.390			<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390				
1,2-Dichloroethane	October-20	ug/L				<0.390																			
1,2-Dichloroethane	March-21	ug/L		<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390					<0.390	<0.390	<0.390				<0.390				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
1,2-Dichloroethane	April-21	ug/L	<0.390								<0.390	<0.390						<0.390	<0.390	<0.390					
1,2-Dichloroethane	May-21	ug/L																<0.390							
1,2-Dichloroethane	August-21	ug/L																							
1,2-Dichloroethane	October-21	ug/L	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390			<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390				
1,2-Dichloroethane	December-21	ug/L																<0.390							
1,2-Dichloroethane	February-22	ug/L	<0.390																						<0.390
1,2-Dichloroethane	April-22	ug/L	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390			<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390				<0.390
1,2-Dichloroethane	July-22	ug/L																							<0.390
1,2-Dichloroethane	October-22	ug/L	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390				<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390				<0.390
1,2-Dichloroethane	April-23	ug/L	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390			<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390				<0.390
1,2-Dichloroethane	May-23	ug/L																							
1,2-Dichloroethane	October-23	ug/L	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390				<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390				<0.390
1,2-Dichloropropane	January-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2-Dichloropropane	March-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2-Dichloropropane	August-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2-Dichloropropane	September-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2-Dichloropropane	October-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2-Dichloropropane	March-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2-Dichloropropane	June-09	ug/l				<5	<1	<1	<1	<1			<1												
1,2-Dichloropropane	September-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2-Dichloropropane	December-09	ug/l				<1	<1	<1	<1	<1			<1												
1,2-Dichloropropane	March-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,2-Dichloropropane	June-10	ug/l									<1					<1	<1	<1	<1	<1					
1,2-Dichloropropane	August-10	ug/l									<1	<1				<1	<1	<1	<1	<1					
1,2-Dichloropropane	September-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,2-Dichloropropane	December-10	ug/l									<1					<1	<1	<1	<1	<1					
1,2-Dichloropropane	March-11	ug/l		<1		<1	<1	<1	<10	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,2-Dichloropropane	April-11	ug/l				<1		<1	<10	<1							<1								
1,2-Dichloropropane	June-11	ug/l		<1								<1		<1		<1	<1								
1,2-Dichloropropane	July-11	ug/l	<1																						
1,2-Dichloropropane	August-11	ug/l		<1																					
1,2-Dichloropropane	September-11	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1		<1	<1	<1	<1	<1					
1,2-Dichloropropane	December-11	ug/l	<1	<1										<1		<1	<1								
1,2-Dichloropropane	March-12	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
1,2-Dichloropropane	June-12	ug/l													<1										
1,2-Dichloropropane	October-12	ug/l	<1	<1		<1	<1	<1	<1	<1			<1	<1		<1	<1		<1						
1,2-Dichloropropane	March-13	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1	<1	<1	<1	<1	<1						
1,2-Dichloropropane	June-13	ug/l																			<1				
1,2-Dichloropropane	September-13	ug/l	<1	<1		<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1				
1,2-Dichloropropane	November-13	ug/l																			<1				
1,2-Dichloropropane	March-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1				
1,2-Dichloropropane	June-14	ug/l																		<1	<1				
1,2-Dichloropropane	September-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
1,2-Dichloropropane	December-14	ug/l															<1								
1,2-Dichloropropane	April-15	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1				
1,2-Dichloropropane	October-15	ug/l	<0.87	<0.87		<0.87	<0.87	<0.87	<0.87	<0.87	<0.87				<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87				
1,2-Dichloropropane	April-16	ug/l	<0.87	<0.87		<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87			<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87				
1,2-Dichloropropane	October-16	ug/l													<0.87										
1,2-Dichloropropane	November-16	ug/l	<0.87	<0.87		<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87				<0.87	<0.87	<0.87	<0.87	<0.87	<0.87				
1,2-Dichloropropane	March-17	ug/l	<0.87	<0.87		<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87			<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87				
1,2-Dichloropropane	October-17	ug/L	<0.870	<0.870		<0.870	<0.870	<0.870	<0.870	<0.870	<0.870				<0.870	<0.870	<0.870	<0.870	<0.870	<0.870	<0.870				
1,2-Dichloropropane	December-17	ug/L				<0.870					<0.870								<0.870		<0.870				
1,2-Dichloropropane	April-18	ug/L	<0.870	<0.870		<0.870	<0.870	<0.870	<0.870	<0.870	<0.870	<0.870			<0.870	<0.870	<0.870	<0.870	<0.870	<0.870	<0.870				
1,2-Dichloropropane	July-18	ug/L			<0.270							<0.270													
1,2-Dichloropropane	October-18	ug/L	<0.270	<0.270		<0.270	<0.270		<0.270						<0.270		<0.270								
1,2-Dichloropropane	November-18	ug/L			<0.270			<0.270		<0.270	<0.270	<0.270				<0.270		<0.270	<0.270	<0.270	<0.270				
1,2-Dichloropropane	January-19	ug/L			<0.270																				
1,2-Dichloropropane	March-19	ug/L	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270			<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270				
1,2-Dichloropropane	May-19	ug/L			<0.270															<0.270					
1,2-Dichloropropane	October-19	ug/L	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270			<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270				
1,2-Dichloropropane	March-20	ug/L	<0.270	<0.270		<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270			<0.270	<0.270	<0.270	<0.270	<0.270		<0.270				
1,2-Dichloropropane	April-20	ug/L			<0.270															<0.270					
1,2-Dichloropropane	September-20	ug/L	<0.270	<0.270	<0.270		<0.270	<0.270	<0.270	<0.270	<0.270	<0.270			<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270				
1,2-Dichloropropane	October-20	ug/L				<0.270																			
1,2-Dichloropropane	March-21	ug/L		<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270					<0.270	<0.270	<0.270				<0.270				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
1,2-Dichloropropane	April-21	ug/L	<0.270								<0.270	<0.270						<0.270	<0.270	<0.270					
1,2-Dichloropropane	May-21	ug/L																<0.270							
1,2-Dichloropropane	August-21	ug/L																							
1,2-Dichloropropane	October-21	ug/L	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270			<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270				
1,2-Dichloropropane	December-21	ug/L																<0.270							
1,2-Dichloropropane	February-22	ug/L	<0.270																						<0.270
1,2-Dichloropropane	April-22	ug/L	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270			<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270				<0.270
1,2-Dichloropropane	July-22	ug/L																							<0.270
1,2-Dichloropropane	October-22	ug/L	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270				<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270				<0.270
1,2-Dichloropropane	April-23	ug/L	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270			<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270				<0.270
1,2-Dichloropropane	May-23	ug/L																							
1,2-Dichloropropane	October-23	ug/L	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270				<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270				<0.270
1,3,5-Trinitrobenzene	March-09	ug/l					<10	<10	<10																
1,3,5-Trinitrobenzene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
1,3,5-Trinitrobenzene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
1,3,5-Trinitrobenzene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
1,3,5-Trinitrobenzene	March-10	ug/l				<10				<10			<10												
1,3,5-Trinitrobenzene	June-10	ug/l									<10														
1,3,5-Trinitrobenzene	August-10	ug/l									<10	<10													
1,3,5-Trinitrobenzene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
1,3,5-Trinitrobenzene	December-10	ug/l									<10														
1,3,5-Trinitrobenzene	March-11	ug/l										<10		<10											
1,3,5-Trinitrobenzene	June-11	ug/l										<10		<10		<10	<10								
1,3,5-Trinitrobenzene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
1,3,5-Trinitrobenzene	December-11	ug/l												<10		<10	<10								
1,3,5-Trinitrobenzene	March-12	ug/l														<10	<10								
1,3,5-Trinitrobenzene	December-14	ug/l															<10.2								
1,3,5-Trinitrobenzene	October-16	ug/l													<10										
1,3,5-Trinitrobenzene	November-16	ug/l						<1.28	<1.28	<1.39						<1.44	<1.42								
1,3,5-Trinitrobenzene	October-17	ug/L					<1.35																		
1,3,5-Trinitrobenzene	December-17	ug/L				<1.36					<1.33								<1.33		<1.33				
1,3,5-Trinitrobenzene	July-18	ug/L			<1.29							<1.33													
1,3,5-Trinitrobenzene	November-18	ug/L			<1.32							<1.33													
1,3,5-Trinitrobenzene	May-19	ug/L																		<1.29					
1,3,5-Trinitrobenzene	October-21	ug/L						<1.37	<1.37	<1.33						<1.35	<1.37								
1,3,5-Trinitrobenzene	December-21	ug/L																<1.37							
1,3,5-Trinitrobenzene	October-22	ug/L				<1.95	<1.95				<1.95								<1.95		<2.02				
1,3-Dichlorobenzene	March-09	ug/l					<1	<1	<1																
1,3-Dichlorobenzene	June-09	ug/l				<5	<1	<1	<1	<1			<1												
1,3-Dichlorobenzene	September-09	ug/l				<1	<1	<1	<1	<1			<1												
1,3-Dichlorobenzene	December-09	ug/l				<2	<2	<2	<1	<1			<1												
1,3-Dichlorobenzene	March-10	ug/l				<1	<1	<1	<1	<1			<1												
1,3-Dichlorobenzene	June-10	ug/l									<1														
1,3-Dichlorobenzene	August-10	ug/l									<1	<1													
1,3-Dichlorobenzene	September-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1												
1,3-Dichlorobenzene	December-10	ug/l									<1														
1,3-Dichlorobenzene	March-11	ug/l				<1	<1	<1	<10	<1	<1	<1	<1	<1											
1,3-Dichlorobenzene	April-11	ug/l				<1		<1	<10	<1							<1								
1,3-Dichlorobenzene	June-11	ug/l										<1		<1		<1	<1								
1,3-Dichlorobenzene	September-11	ug/l				<1	<1	<1	<10	<2	<2		<1	<1		<1	<1								
1,3-Dichlorobenzene	December-11	ug/l												<1		<1	<1								
1,3-Dichlorobenzene	March-12	ug/l											<1			<1	<1								
1,3-Dichlorobenzene	December-14	ug/l															<1								
1,3-Dichlorobenzene	October-16	ug/l													<0.17										
1,3-Dichlorobenzene	November-16	ug/l						<0.17	<0.17	<0.17						<0.17	<0.17								
1,3-Dichlorobenzene	October-17	ug/L					<0.170																		
1,3-Dichlorobenzene	December-17	ug/L				<0.170					<0.170								<0.170		<0.170				
1,3-Dichlorobenzene	July-18	ug/L			<0.300							<0.300													
1,3-Dichlorobenzene	November-18	ug/L			<0.300							<0.300													
1,3-Dichlorobenzene	May-19	ug/L																		<0.300					
1,3-Dichlorobenzene	October-21	ug/L						<0.300	<0.300	<0.300						<0.300	<0.300								
1,3-Dichlorobenzene	December-21	ug/L																<0.300							
1,3-Dichlorobenzene	October-22	ug/L				<0.300	<0.300				<0.300								<0.300		<0.300				
1,3-Dichloropropane	March-09	ug/l					<1	<1	<1																
1,3-Dichloropropane	June-09	ug/l				<5	<1	<1	<1	<1			<1												

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
1,3-Dichloropropane	September-09	ug/l				<1	<1	<1	<1	<1			<1												
1,3-Dichloropropane	December-09	ug/l				<1	<1	<1	<1	<1			<1												
1,3-Dichloropropane	March-10	ug/l				<1	<1	<1	<1	<1			<1												
1,3-Dichloropropane	June-10	ug/l									<1														
1,3-Dichloropropane	August-10	ug/l									<1	<1													
1,3-Dichloropropane	September-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1												
1,3-Dichloropropane	December-10	ug/l									<1														
1,3-Dichloropropane	March-11	ug/l				<1	<1	<1	<10	<1	<1	<1	<1	<1											
1,3-Dichloropropane	April-11	ug/l				<1		<1	<10	<1							<1								
1,3-Dichloropropane	June-11	ug/l										<1		<1		<1	<1								
1,3-Dichloropropane	September-11	ug/l				<1	<1	<1	<10	<1	<1		<1	<1		<1	<1								
1,3-Dichloropropane	December-11	ug/l												<1		<1	<1								
1,3-Dichloropropane	March-12	ug/l											<1			<1	<1								
1,3-Dichloropropane	December-14	ug/l															<1								
1,3-Dichloropropane	October-16	ug/l													<0.16										
1,3-Dichloropropane	November-16	ug/l						<0.16	<0.16	<0.16						<0.16	<0.16								
1,3-Dichloropropane	October-17	ug/L					<0.160																		
1,3-Dichloropropane	December-17	ug/L				<0.160					<0.160								<0.160		<0.160				
1,3-Dichloropropane	July-18	ug/L			<0.400							<0.400													
1,3-Dichloropropane	November-18	ug/L			<0.400							<0.400													
1,3-Dichloropropane	May-19	ug/L																		<0.400					
1,3-Dichloropropane	October-21	ug/L						<0.400	<0.400	<0.400						<0.400	<0.400								
1,3-Dichloropropane	December-21	ug/L																<0.400							
1,3-Dichloropropane	October-22	ug/L				<0.400	<0.400				<0.400								<0.400		<0.400				
1,3-Dinitrobenzene	March-09	ug/l					<10	<10	<10																
1,3-Dinitrobenzene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
1,3-Dinitrobenzene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
1,3-Dinitrobenzene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
1,3-Dinitrobenzene	March-10	ug/l				<10				<10			<10												
1,3-Dinitrobenzene	June-10	ug/l									<10														
1,3-Dinitrobenzene	August-10	ug/l									<10	<10													
1,3-Dinitrobenzene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
1,3-Dinitrobenzene	December-10	ug/l									<10														
1,3-Dinitrobenzene	March-11	ug/l										<10		<10											
1,3-Dinitrobenzene	June-11	ug/l										<10		<10		<10	<10								
1,3-Dinitrobenzene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
1,3-Dinitrobenzene	December-11	ug/l												<10		<10	<10								
1,3-Dinitrobenzene	March-12	ug/l														<10	<10								
1,3-Dinitrobenzene	December-14	ug/l															<10.2								
1,3-Dinitrobenzene	October-16	ug/l													<0.177										
1,3-Dinitrobenzene	November-16	ug/l						<0.17	<0.17	<0.185						<0.191	<0.189								
1,3-Dinitrobenzene	October-17	ug/L					<0.179																		
1,3-Dinitrobenzene	December-17	ug/L				<0.181					<0.177								<0.177		<0.177				
1,3-Dinitrobenzene	July-18	ug/L			<1.02							<1.05													
1,3-Dinitrobenzene	November-18	ug/L			<1.04							<1.05													
1,3-Dinitrobenzene	May-19	ug/L																		<1.02					
1,3-Dinitrobenzene	October-21	ug/L						<1.05	<1.05	<1.02						<1.04	<1.05								
1,3-Dinitrobenzene	December-21	ug/L																<1.05							
1,3-Dinitrobenzene	October-22	ug/L				<2.71	<2.71				<2.71								<2.71		<2.81				
1,4-Dichlorobenzene	January-08	ug/l				<1	<1	**5.14**	<1	<1	<1	<1	<1	<1											
1,4-Dichlorobenzene	March-08	ug/l				<1	<1	**3.8**	<1	<1	<1	<1	<1	<1											
1,4-Dichlorobenzene	August-08	ug/l				<1	<1	**5.27**	**0.47J**	<1	<1	<1	<1	<1											
1,4-Dichlorobenzene	September-08	ug/l				<1	<1	**6.29**	<1	<1	<1	<1	<1	<1											
1,4-Dichlorobenzene	October-08	ug/l				<1	**0.48J**	**5.73**	**0.63J**	**0.2J**	<1	<1	<1	<1											
1,4-Dichlorobenzene	March-09	ug/l				<1	**0.29J**	**3.85**	**0.47J**	<1	<1	<1	<1	<1											
1,4-Dichlorobenzene	June-09	ug/l				<5	<1	**4.52**	<1	<1			<1												
1,4-Dichlorobenzene	September-09	ug/l				<1	<1	**6.66**	<1	<1	<1	<1	<1	<1											
1,4-Dichlorobenzene	December-09	ug/l				<2	<2	**5.54**	<1	<1			<1												
1,4-Dichlorobenzene	March-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
1,4-Dichlorobenzene	June-10	ug/l									<1					**5.24**	<1	<1	<1	<1					
1,4-Dichlorobenzene	August-10	ug/l									<1	<1				**6.69**	<1	<1	<1	<1					
1,4-Dichlorobenzene	September-10	ug/l				<1	<1	**5.65**	<1	<1	<1	<1	<1	<1		**6.92**	<1	<1	<1	<1					
1,4-Dichlorobenzene	December-10	ug/l									<2					**6.53**	<2	<2	<2	<2					
1,4-Dichlorobenzene	March-11	ug/l		<1		<1	<1	**5.34**	<10	<1	<1	<1	<1	<1		**4.62**	<1	<1	<1	<1					
1,4-Dichlorobenzene	April-11	ug/l				<1		**2.86**	<10	<1							<1								

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
1,4-Dichlorobenzene	June-11	ug/l		<1								<1		<1		**4.73**	<1								
1,4-Dichlorobenzene	July-11	ug/l	<1																						
1,4-Dichlorobenzene	August-11	ug/l		<1																					
1,4-Dichlorobenzene	September-11	ug/l	<1	<1		<1	<1	**7.37**	<10	<1	<1		<1	<1		**7.06**	<1	<1	<1	<1					
1,4-Dichlorobenzene	December-11	ug/l	<1	<1										<1		**5.83**	<1								
1,4-Dichlorobenzene	March-12	ug/l	<1	<1		<1	<1	**5.5**	<1	<1	<1	<1	<1	<1		**3.78**	<1	<1	<1	<1					
1,4-Dichlorobenzene	June-12	ug/l													<1										
1,4-Dichlorobenzene	October-12	ug/l	<1	<1		<1	<1	**5.44**	<1	<1			<1	<1		**6.38**	<1		<1						
1,4-Dichlorobenzene	March-13	ug/l	<1	<1		<1	<1	**4.7**	<10	<1	<1		<1	<1	<1	**0.704J**	<1	<1	<1						
1,4-Dichlorobenzene	June-13	ug/l																			<1				
1,4-Dichlorobenzene	September-13	ug/l	<1	<1		<1	<1	**8.08**	<1	<1	<1		<1	<1	<1	**6.58**	<1	<1	<1	<1	<1				
1,4-Dichlorobenzene	November-13	ug/l																			<1				
1,4-Dichlorobenzene	March-14	ug/l	<1	<1		<1	<1	**4.13**	**0.519J**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1				
1,4-Dichlorobenzene	June-14	ug/l																		<1	<1				
1,4-Dichlorobenzene	September-14	ug/l	<1	<1		<1	<1	**6.07**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
1,4-Dichlorobenzene	December-14	ug/l															**0.412J**								
1,4-Dichlorobenzene	April-15	ug/l	<1	<1		<1	<1	**3.31**	<1	<1	<1	<1			<1	**0.236J**	<1	<1	<1	<1	<1				
1,4-Dichlorobenzene	October-15	ug/l	<0.2	<0.2		<0.2	<0.2	**5.81**	<0.2	<0.2	<0.2				<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2				
1,4-Dichlorobenzene	April-16	ug/l	<0.2	<0.2		<0.2	<0.2	**4.28**	<0.2	<0.2	<0.2	<0.2			<0.2	**0.978J**	**0.291J**	<0.2	<0.2	<0.2	<0.2				
1,4-Dichlorobenzene	October-16	ug/l													<0.2										
1,4-Dichlorobenzene	November-16	ug/l	<0.2	<0.2		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2				<0.2	<0.2	<0.2	<0.2	<0.2	<0.2				
1,4-Dichlorobenzene	March-17	ug/l	<0.2	<0.2		<0.2	<0.2	**3.02**	<0.2	<0.2	<0.2	<0.2			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2				
1,4-Dichlorobenzene	October-17	ug/L	<0.200	<0.200		<0.200	<0.200	**3.29**	**0.497J**	<0.200	<0.200				<0.200	**2.32**	<0.200	<0.200	<0.200	<0.200	<0.200				
1,4-Dichlorobenzene	December-17	ug/L				<0.200					<0.200								<0.200		<0.200				
1,4-Dichlorobenzene	April-18	ug/L	<0.200	<0.200		<0.200	<0.200	**5.47**	**0.73J**	<0.200	<0.200	<0.200			<0.200	**0.21J**	<0.200	<0.200	<0.200	<0.200	<0.200				
1,4-Dichlorobenzene	July-18	ug/L			<0.230							<0.230													
1,4-Dichlorobenzene	October-18	ug/L	<0.230	<0.230		<0.230	<0.230		**0.574J**						<0.230		<0.230								
1,4-Dichlorobenzene	November-18	ug/L			<0.230			<0.230		<0.230	<0.230	<0.230				<0.230		<0.230	<0.230	<0.230	<0.230				
1,4-Dichlorobenzene	January-19	ug/L			<0.230																				
1,4-Dichlorobenzene	March-19	ug/L	<0.230	<0.230	<0.230	<0.230	<0.230	**5.26**	<0.230	<0.230	<0.230	<0.230			<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230				
1,4-Dichlorobenzene	May-19	ug/L			<0.230															<0.230					
1,4-Dichlorobenzene	October-19	ug/L	<0.230	<0.230	<0.230	<0.230	<0.230	**6.61**	<0.230	<0.230	<0.230	<0.230			<0.230	**0.616J**	<0.230	<0.230	<0.230	<0.230	<0.230				
1,4-Dichlorobenzene	March-20	ug/L	<0.230	<0.230		<0.230	<0.230	**3.18**	**0.791J**	<0.230	<0.230	<0.230			<0.230	**0.767J**	<0.230	<0.230	<0.230		<0.230				
1,4-Dichlorobenzene	April-20	ug/L			<0.230															<0.230					
1,4-Dichlorobenzene	September-20	ug/L	<0.230	<0.230	<0.230		<0.230	**5.17**	<0.230	<0.230	<0.230	<0.230			<0.230	**0.834J**	<0.230	<0.230	<0.230	<0.230	<0.230				
1,4-Dichlorobenzene	October-20	ug/L				<0.230																			
1,4-Dichlorobenzene	March-21	ug/L		<0.230	<0.230	<0.230	<0.230	**2.94**	<0.230	<0.230					<0.230	<0.230	<0.230				<0.230				
1,4-Dichlorobenzene	April-21	ug/L	<0.230								<0.230	<0.230						<0.230	<0.230	<0.230					
1,4-Dichlorobenzene	May-21	ug/L																<0.230							
1,4-Dichlorobenzene	August-21	ug/L																							
1,4-Dichlorobenzene	October-21	ug/L	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	**0.794J**	<0.230	<0.230	<0.230			<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230				
1,4-Dichlorobenzene	December-21	ug/L																<0.230							
1,4-Dichlorobenzene	February-22	ug/L	<0.230																						<0.230
1,4-Dichlorobenzene	April-22	ug/L	<0.230	<0.230	<0.230	<0.230	<0.230	**1.18**	<0.230	<0.230	<0.230	<0.230			<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230				<0.230
1,4-Dichlorobenzene	July-22	ug/L																							<0.230
1,4-Dichlorobenzene	October-22	ug/L	<0.230	<0.230	<0.230	<0.230	<0.230	**3.61**	**0.461J**	<0.230	<0.230				<0.230	**3.39**	<0.230	<0.230	<0.230	<0.230	<0.230				<0.230
1,4-Dichlorobenzene	April-23	ug/L	<0.230	<0.230	<0.230	<0.230	<0.230	**1.32**	**0.337J**	<0.230	<0.230	<0.230			<0.230	**0.338J**	<0.230	<0.230	<0.230	<0.230	<0.230				<0.230
1,4-Dichlorobenzene	May-23	ug/L																							
1,4-Dichlorobenzene	October-23	ug/L	<0.230	<0.230	<0.230	<0.230	<0.230	**3.13**	**0.477J**	<0.230	<0.230				<0.230	**3.61**	<0.230	<0.230	<0.230	<0.230	<0.230				<0.230
1,4-Naphthoquinone	March-09	ug/l					<10	<10	<10																
1,4-Naphthoquinone	June-09	ug/l				<10	<10	<10	<10	<10			<10												
1,4-Naphthoquinone	September-09	ug/l				<10	<10	<10	<10	<10			<10												
1,4-Naphthoquinone	December-09	ug/l				<10	<10	<10	<10	<10			<10												
1,4-Naphthoquinone	March-10	ug/l				<10				<10			<10												
1,4-Naphthoquinone	June-10	ug/l									<10														
1,4-Naphthoquinone	August-10	ug/l									<10	<10													
1,4-Naphthoquinone	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
1,4-Naphthoquinone	December-10	ug/l									<10														
1,4-Naphthoquinone	March-11	ug/l										<10		<10											
1,4-Naphthoquinone	June-11	ug/l										<10		<10		<10	<10								
1,4-Naphthoquinone	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
1,4-Naphthoquinone	December-11	ug/l												<10		<10	<10								
1,4-Naphthoquinone	March-12	ug/l														<10	<10								
1,4-Naphthoquinone	December-14	ug/l															<10.2								
1,4-Naphthoquinone	October-16	ug/l													<0.146										

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
1,4-Naphthoquinone	November-16	ug/l						<0.14	<0.14	<0.152						<0.157	<0.156								
1,4-Naphthoquinone	October-17	ug/L					<0.147																		
1,4-Naphthoquinone	December-17	ug/L				<0.149					<0.146								<0.146		<0.146				
1,4-Naphthoquinone	July-18	ug/L			<0.364							<0.375													
1,4-Naphthoquinone	November-18	ug/L			<0.371							<0.375													
1,4-Naphthoquinone	May-19	ug/L																		<0.364					
1,4-Naphthoquinone	October-21	ug/L						<1.03	<1.03	<1.00						<1.02	<1.03								
1,4-Naphthoquinone	December-21	ug/L																<1.03							
1,4-Naphthoquinone	October-22	ug/L				<3.05	<3.05				<3.05								<3.05		<3.16				
1,4-phenylenediamine	October-16	ug/L													<8.75										
1,4-phenylenediamine	November-16	ug/L						<8.4	<8.4	<9.13						<9.44	<9.33								
1,4-phenylenediamine	October-17	ug/L					<8.84																		
1,4-phenylenediamine	December-17	ug/L				<8.94					<8.75								<8.75		<8.75				
1,4-phenylenediamine	July-18	ug/L			<8.48							<8.75													
1,4-phenylenediamine	November-18	ug/L			<8.66							<8.75													
1,4-phenylenediamine	May-19	ug/L																		<8.48					
1,4-phenylenediamine	October-21	ug/L						<0.526	<0.526	<0.510						<0.521	<0.526								
1,4-phenylenediamine	December-21	ug/L																<0.526							
1,4-phenylenediamine	October-22	ug/L				<1.61	<1.61				<1.61								<1.61		<1.67				
1-Naphthylamine	March-09	ug/l					<10	<10	<10																
1-Naphthylamine	June-09	ug/l				<10	<10	<10	<10	<10			<10												
1-Naphthylamine	September-09	ug/l				<10	<10	<10	<10	<10			<10												
1-Naphthylamine	December-09	ug/l				<10	<10	<10	<10	<10			<10												
1-Naphthylamine	March-10	ug/l				<10				<10			<10												
1-Naphthylamine	June-10	ug/l									<10														
1-Naphthylamine	August-10	ug/l									<10	<10													
1-Naphthylamine	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
1-Naphthylamine	December-10	ug/l									<10														
1-Naphthylamine	March-11	ug/l										<10		<10											
1-Naphthylamine	June-11	ug/l										<10		<10		<10	<10								
1-Naphthylamine	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
1-Naphthylamine	December-11	ug/l												<10		<10	<10								
1-Naphthylamine	March-12	ug/l														<10	<10								
1-Naphthylamine	December-14	ug/l															<10.2								
1-Naphthylamine	October-16	ug/l													<0.25										
1-Naphthylamine	November-16	ug/l						<0.24	<0.24	<0.261						<0.27	<0.267								
1-Naphthylamine	October-17	ug/L					<0.253																		
1-Naphthylamine	December-17	ug/L				<0.255					<0.250								<0.250		<0.250				
1-Naphthylamine	July-18	ug/L			<0.242							<0.250													
1-Naphthylamine	November-18	ug/L			<0.247							<0.250													
1-Naphthylamine	May-19	ug/L																		<0.242					
1-Naphthylamine	October-21	ug/L						<0.926	<0.926	<0.898						<0.917	<0.926								
1-Naphthylamine	December-21	ug/L																<0.926							
1-Naphthylamine	October-22	ug/L				<2.12	<2.12				<2.12								<2.12		<2.19				
2,2-Dichloropropane	March-09	ug/l					<4	<4	<4																
2,2-Dichloropropane	June-09	ug/l				<20	<4	<4	<4	<4			<4												
2,2-Dichloropropane	September-09	ug/l				<4	<4	<4	<4	<4			<4												
2,2-Dichloropropane	December-09	ug/l				<5	<5	<5	<4	<4			<4												
2,2-Dichloropropane	March-10	ug/l				<4	<4	<50	<50	<4			<50												
2,2-Dichloropropane	June-10	ug/l									<4														
2,2-Dichloropropane	August-10	ug/l									<4	<4													
2,2-Dichloropropane	September-10	ug/l				<4	<4	<4	<4	<4	<4	<4	<4												
2,2-Dichloropropane	December-10	ug/l									<5														
2,2-Dichloropropane	March-11	ug/l				<4	<4	<4	<40	<4	<4	<4	<4	<4											
2,2-Dichloropropane	April-11	ug/l				<4		<4	<40	<4							<4								
2,2-Dichloropropane	June-11	ug/l										<4		<4		<4	<4								
2,2-Dichloropropane	September-11	ug/l				<4	<4	<4	<40	<4	<4		<4	<4		<4	<4								
2,2-Dichloropropane	December-11	ug/l												<4		<4	<4								
2,2-Dichloropropane	March-12	ug/l											<4			<4	<4								
2,2-Dichloropropane	December-14	ug/l															<4								
2,2-Dichloropropane	October-16	ug/l													<0.18										
2,2-Dichloropropane	November-16	ug/l						<0.18	<0.18	<0.18						<0.18	<0.18								
2,2-Dichloropropane	October-17	ug/L					<0.180																		
2,2-Dichloropropane	December-17	ug/L				<0.180					<0.180								<0.180		<0.180				
2,2-Dichloropropane	July-18	ug/L			<0.690							<0.690													

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
2,2-Dichloropropane	November-18	ug/L			<0.690							<0.690													
2,2-Dichloropropane	May-19	ug/L																		<0.690					
2,2-Dichloropropane	October-21	ug/L						<0.690	<0.690	<0.690						<0.690	<0.690								
2,2-Dichloropropane	December-21	ug/L																<0.690							
2,2-Dichloropropane	October-22	ug/L				<0.690	<0.690				<0.690								<0.690		<0.690				
2,2`-oxybis[1-Chloropropane]	March-09	ug/l					<10	<10	<10																
2,2`-oxybis[1-Chloropropane]	June-09	ug/l				<10	<10	<10	<10	<10			<10												
2,2`-oxybis[1-Chloropropane]	September-09	ug/l				<10	<10	<10	<10	<10			<10												
2,2`-oxybis[1-Chloropropane]	December-09	ug/l				<10	<10	<10	<10	<10			<10												
2,2`-oxybis[1-Chloropropane]	March-10	ug/l				<10				<10			<10												
2,2`-oxybis[1-Chloropropane]	June-10	ug/l									<10														
2,2`-oxybis[1-Chloropropane]	August-10	ug/l									<10	<10													
2,2`-oxybis[1-Chloropropane]	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
2,2`-oxybis[1-Chloropropane]	December-10	ug/l									<10														
2,2`-oxybis[1-Chloropropane]	March-11	ug/l										<10		<10											
2,2`-oxybis[1-Chloropropane]	June-11	ug/l										<10		<10		<10	<10								
2,2`-oxybis[1-Chloropropane]	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
2,2`-oxybis[1-Chloropropane]	December-11	ug/l												<10		<10	<10								
2,2`-oxybis[1-Chloropropane]	March-12	ug/l														<10	<10								
2,2`-oxybis[1-Chloropropane]	December-14	ug/l															<10.2								
2,3,4,6-Tetrachlorophenol	March-09	ug/l					<10	<10	<10																
2,3,4,6-Tetrachlorophenol	June-09	ug/l				<10	<10	<10	<10	<10			<10												
2,3,4,6-Tetrachlorophenol	September-09	ug/l				<10	<10	<10	<10	<10			<10												
2,3,4,6-Tetrachlorophenol	December-09	ug/l				<10	<10	<10	<10	<10			<10												
2,3,4,6-Tetrachlorophenol	March-10	ug/l				<10				<10			<10												
2,3,4,6-Tetrachlorophenol	June-10	ug/l									<10														
2,3,4,6-Tetrachlorophenol	August-10	ug/l									<10	<10													
2,3,4,6-Tetrachlorophenol	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
2,3,4,6-Tetrachlorophenol	December-10	ug/l									<10														
2,3,4,6-Tetrachlorophenol	March-11	ug/l										<10		<10											
2,3,4,6-Tetrachlorophenol	June-11	ug/l										<10		<10		<10	<10								
2,3,4,6-Tetrachlorophenol	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
2,3,4,6-Tetrachlorophenol	December-11	ug/l												<10		<10	<10								
2,3,4,6-Tetrachlorophenol	March-12	ug/l														<10	<10								
2,3,4,6-Tetrachlorophenol	December-14	ug/l															<10.2								
2,3,4,6-Tetrachlorophenol	October-16	ug/l													<0.208										
2,3,4,6-Tetrachlorophenol	November-16	ug/l						<0.2	<0.2	<0.217						<0.225	<0.222								
2,3,4,6-Tetrachlorophenol	October-17	ug/L					<0.211																		
2,3,4,6-Tetrachlorophenol	December-17	ug/L				<0.213					<0.208								<0.208		<0.208				
2,3,4,6-Tetrachlorophenol	July-18	ug/L			<0.505							<0.521													
2,3,4,6-Tetrachlorophenol	November-18	ug/L			<0.515							<0.521													
2,3,4,6-Tetrachlorophenol	May-19	ug/L																		<0.505					
2,3,4,6-Tetrachlorophenol	October-21	ug/L						<1.04	<1.04	<1.01						<1.03	<1.04								
2,3,4,6-Tetrachlorophenol	December-21	ug/L																<1.04							
2,3,4,6-Tetrachlorophenol	October-22	ug/L				<4.49	<4.49				<4.49								<4.49		<4.65				
2,4,5-T	March-09	ug/l					<0.2	<0.2	<0.2																
2,4,5-T	June-09	ug/l				<0.21	<0.2	<0.2	<0.21	<0.22			<0.21												
2,4,5-T	September-09	ug/l				<0.21	<0.2	<0.22	<0.21	<0.2			<0.21												
2,4,5-T	December-09	ug/l				<0.2	<0.21	<0.21	<0.21	<0.21			<0.21												
2,4,5-T	March-10	ug/l				<0.21	<0.21		<1.1	<0.21			<0.21												
2,4,5-T	June-10	ug/l									<0.5														
2,4,5-T	August-10	ug/l									<0.5	<0.5													
2,4,5-T	September-10	ug/l				<0.52	<0.52	<0.52	<0.52	<0.54	<0.52	<0.51	<0.51												
2,4,5-T	December-10	ug/l									<0.54														
2,4,5-T	March-11	ug/l				<0.5	<0.5		<0.52	<0.53		<0.52	<0.52	<0.52											
2,4,5-T	June-11	ug/l										<0.5		<0.5		<0.5	<0.5								
2,4,5-T	September-11	ug/l				<1	<1	<1	<1	**6.3**	<1		<1	<1		<1	<1								
2,4,5-T	December-11	ug/l												<1		<1	<1								
2,4,5-T	March-12	ug/l								<1						<1.1	<1								
2,4,5-T	October-12	ug/l								<1															
2,4,5-T	March-13	ug/l								<1.04					<1.14										
2,4,5-T	September-13	ug/l								<1.09					<1.11										
2,4,5-T	March-14	ug/l								<1.04					<1.13										
2,4,5-T	September-14	ug/l				<1.09			<10.5	<1.07			<1.09		<1.06										
2,4,5-T	December-14	ug/l															<1.1								

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Table 9
Analytical Data Summary
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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
2,4,5-T	April-15	ug/l								<1.19					<1.11										
2,4,5-T	October-16	ug/l													<0.5										
2,4,5-T	November-16	ug/l						<0.462	<4.63	<0.452						<0.482	<0.459								
2,4,5-T	March-17	ug/l								<0.454					<0.445										
2,4,5-T	October-17	ug/L					<0.449			<0.444					<0.451										
2,4,5-T	December-17	ug/L				<0.443					<0.473								<0.455		<0.446				
2,4,5-T	April-18	ug/L								<0.496															
2,4,5-T	July-18	ug/L			<0.449							<0.439													
2,4,5-T	November-18	ug/L			<0.461					<0.478		<0.456													
2,4,5-T	March-19	ug/L								<0.449															
2,4,5-T	May-19	ug/L																		<0.446					
2,4,5-T	October-19	ug/L								<0.455															
2,4,5-T	October-21	ug/L						<0.147	<1.43	<0.144						<0.143	<0.145								
2,4,5-T	December-21	ug/L																<0.148							
2,4,5-T	October-22	ug/L				<0.5	<0.5				<0.5								<0.5		<0.5				
2,4,5-T	April-23	ug/L								<0.0765								<0.0707							
2,4,5-Trichlorophenol	March-09	ug/l					<10	<10	<10																
2,4,5-Trichlorophenol	June-09	ug/l				<10	<10	<10	<10	<10			<10												
2,4,5-Trichlorophenol	September-09	ug/l				<10	<10	<10	<10	<10			<10												
2,4,5-Trichlorophenol	December-09	ug/l				<10	<10	<10	<10	<10			<10												
2,4,5-Trichlorophenol	March-10	ug/l				<10				<10			<10												
2,4,5-Trichlorophenol	June-10	ug/l									<10														
2,4,5-Trichlorophenol	August-10	ug/l									<10	<10													
2,4,5-Trichlorophenol	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
2,4,5-Trichlorophenol	December-10	ug/l									<10														
2,4,5-Trichlorophenol	March-11	ug/l										<10		<10											
2,4,5-Trichlorophenol	June-11	ug/l										<10		<10		<10	<10								
2,4,5-Trichlorophenol	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
2,4,5-Trichlorophenol	December-11	ug/l												<10		<10	<10								
2,4,5-Trichlorophenol	March-12	ug/l														<10	<10								
2,4,5-Trichlorophenol	December-14	ug/l															<10.2								
2,4,5-Trichlorophenol	October-16	ug/l													<0.333										
2,4,5-Trichlorophenol	November-16	ug/l						<0.32	<0.32	<0.348						<0.36	<0.356								
2,4,5-Trichlorophenol	October-17	ug/L					<0.337																		
2,4,5-Trichlorophenol	December-17	ug/L				<0.340					<0.333								<0.333		<0.333				
2,4,5-Trichlorophenol	July-18	ug/L			<0.707							<0.729													
2,4,5-Trichlorophenol	November-18	ug/L			<0.722							<0.729													
2,4,5-Trichlorophenol	May-19	ug/L																		<0.707					
2,4,5-Trichlorophenol	October-21	ug/L						<1.16	<1.16	<1.12						<1.15	<1.16								
2,4,5-Trichlorophenol	December-21	ug/L																<1.16							
2,4,5-Trichlorophenol	October-22	ug/L				<4.49	<4.49				<4.49								<4.49		<4.65				
2,4,6-Trichlorophenol	March-09	ug/l					<10	<10	<10																
2,4,6-Trichlorophenol	June-09	ug/l				<10	<10	<10	<10	<10			<10												
2,4,6-Trichlorophenol	September-09	ug/l				<10	<10	<10	<10	<10			<10												
2,4,6-Trichlorophenol	December-09	ug/l				<10	<10	<10	<10	<10			<10												
2,4,6-Trichlorophenol	March-10	ug/l				<10				<10			<10												
2,4,6-Trichlorophenol	June-10	ug/l									<10														
2,4,6-Trichlorophenol	August-10	ug/l									<10	<10													
2,4,6-Trichlorophenol	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
2,4,6-Trichlorophenol	December-10	ug/l									<10														
2,4,6-Trichlorophenol	March-11	ug/l										<10		<10											
2,4,6-Trichlorophenol	June-11	ug/l										<10		<10		<10	<10								
2,4,6-Trichlorophenol	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
2,4,6-Trichlorophenol	December-11	ug/l												<10		<10	<10								
2,4,6-Trichlorophenol	March-12	ug/l														<10	<10								
2,4,6-Trichlorophenol	December-14	ug/l															<10.2								
2,4,6-Trichlorophenol	October-16	ug/l													<0.229										
2,4,6-Trichlorophenol	November-16	ug/l						<0.22	<0.22	<0.239						<0.247	<0.244								
2,4,6-Trichlorophenol	October-17	ug/L					<0.232																		
2,4,6-Trichlorophenol	December-17	ug/L				<0.234					<0.229								<0.229		<0.229				
2,4,6-Trichlorophenol	July-18	ug/L			<0.707							<0.729													
2,4,6-Trichlorophenol	November-18	ug/L			<0.722							<0.729													
2,4,6-Trichlorophenol	May-19	ug/L																		<0.707					
2,4,6-Trichlorophenol	October-21	ug/L						<1.26	<1.26	<1.22						<1.25	<1.26								
2,4,6-Trichlorophenol	December-21	ug/L																<1.26							

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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
2,4,6-Trichlorophenol	October-22	ug/L				<4.24	<4.24				<4.24								<4.24		<4.39				
2,4-D	March-09	ug/l					<0.99	<0.99	<1																
2,4-D	June-09	ug/l				<1.1	<1	<1	<1.1	<1.1			<1												
2,4-D	September-09	ug/l				<1	<1	<1.1	<1.1	<1			<1												
2,4-D	December-09	ug/l				<1	<1.1	<1.1	<1.1	<1.1			<1												
2,4-D	March-10	ug/l				<1	<1		<5.3	<1.1			<1												
2,4-D	June-10	ug/l									<1														
2,4-D	August-10	ug/l									<1	<1													
2,4-D	September-10	ug/l				<1	<1	<1	<1	<1.1	<1	<1	<1												
2,4-D	December-10	ug/l									<1.1														
2,4-D	March-11	ug/l				<1	<1		<1	<1.1		<1	<1	<1											
2,4-D	June-11	ug/l										<1		<1		<1	<1								
2,4-D	September-11	ug/l				<1	<1	<1	<1	<1	<1		<1	<1		<1	<1								
2,4-D	December-11	ug/l												<1		<1	<1								
2,4-D	March-12	ug/l														<1.1	<1								
2,4-D	December-14	ug/l															<1.1								
2,4-D	October-16	ug/l													<0.537										
2,4-D	November-16	ug/l						<0.496	<4.97	<0.486						<0.518	<0.493								
2,4-D	October-17	ug/L					<0.482																		
2,4-D	December-17	ug/L				<0.476					<0.507								<0.488		<0.479				
2,4-D	July-18	ug/L			<0.482							<0.472													
2,4-D	November-18	ug/L			<0.495							<0.490													
2,4-D	May-19	ug/L																		<0.479					
2,4-D	October-21	ug/L						<0.575	<5.61	<0.563						<0.560	<0.566								
2,4-D	December-21	ug/L																**1.23**							
2,4-D	February-22	ug/L																<0.275							
2,4-D	April-22	ug/L																<0.538							
2,4-D	July-22	ug/L																<2.0							
2,4-D	October-22	ug/L				<2.0	<2.0				<2.0							<2.0	<2.0		<2.0				
2,4-D	April-23	ug/L								<0.294								<0.272							
2,4-D	October-23	ug/L																<0.249							
2,4-Dichlorophenol	March-09	ug/l					<10	<10	<10																
2,4-Dichlorophenol	June-09	ug/l				<10	<10	<10	<10	<10			<10												
2,4-Dichlorophenol	September-09	ug/l				<10	<10	<10	<10	<10			<10												
2,4-Dichlorophenol	December-09	ug/l				<10	<10	<10	<10	<10			<10												
2,4-Dichlorophenol	March-10	ug/l				<10				<10			<10												
2,4-Dichlorophenol	June-10	ug/l									<10														
2,4-Dichlorophenol	August-10	ug/l									<10	<10													
2,4-Dichlorophenol	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
2,4-Dichlorophenol	December-10	ug/l									<10														
2,4-Dichlorophenol	March-11	ug/l										<10		<10											
2,4-Dichlorophenol	June-11	ug/l										<10		<10		<10	<10								
2,4-Dichlorophenol	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
2,4-Dichlorophenol	December-11	ug/l												<10		<10	<10								
2,4-Dichlorophenol	March-12	ug/l														<10	<10								
2,4-Dichlorophenol	December-14	ug/l															<10.2								
2,4-Dichlorophenol	October-16	ug/l													<0.156										
2,4-Dichlorophenol	November-16	ug/l						<0.15	<0.15	<0.163						<0.169	<0.167								
2,4-Dichlorophenol	October-17	ug/L					<0.158																		
2,4-Dichlorophenol	December-17	ug/L				<0.160					<0.156								<0.156		<0.156				
2,4-Dichlorophenol	July-18	ug/L			<0.313							<0.323													
2,4-Dichlorophenol	November-18	ug/L			<0.320							<0.323													
2,4-Dichlorophenol	May-19	ug/L																		<0.313					
2,4-Dichlorophenol	October-21	ug/L						<1.16	<1.16	<1.12						<1.15	<1.16								
2,4-Dichlorophenol	December-21	ug/L																<1.16							
2,4-Dichlorophenol	October-22	ug/L				<0.720	<0.720				<0.720								<0.720		<0.746				
2,4-Dimethylphenol	March-09	ug/l					<10	<10	<10																
2,4-Dimethylphenol	June-09	ug/l				<10	<10	<10	<10	<10			<10												
2,4-Dimethylphenol	September-09	ug/l				<10	<10	<10	<10	<10			<10												
2,4-Dimethylphenol	December-09	ug/l				<10	<10	<10	<10	<10			<10												
2,4-Dimethylphenol	March-10	ug/l				<10				<10			<10												
2,4-Dimethylphenol	June-10	ug/l									<10														
2,4-Dimethylphenol	August-10	ug/l									<10	<10													
2,4-Dimethylphenol	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
2,4-Dimethylphenol	December-10	ug/l									<10														

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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
2,4-Dimethylphenol	March-11	ug/l										<10		<10											
2,4-Dimethylphenol	June-11	ug/l										<10		<10		<10	<10								
2,4-Dimethylphenol	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
2,4-Dimethylphenol	December-11	ug/l												<10		<10	<10								
2,4-Dimethylphenol	March-12	ug/l														<10	<10								
2,4-Dimethylphenol	December-14	ug/l															<10.2								
2,4-Dimethylphenol	October-16	ug/l													<0.219										
2,4-Dimethylphenol	November-16	ug/l						<0.21	**0.251J**	<0.228						<0.236	<0.233								
2,4-Dimethylphenol	October-17	ug/L					**0.481J**																		
2,4-Dimethylphenol	December-17	ug/L				<0.223					<0.219								<0.219		<0.219				
2,4-Dimethylphenol	July-18	ug/L			<0.212							<0.219													
2,4-Dimethylphenol	November-18	ug/L			<0.216							<0.219													
2,4-Dimethylphenol	May-19	ug/L																		<0.212					
2,4-Dimethylphenol	October-21	ug/L						<1.05	<1.05	<1.02						<1.04	<1.05								
2,4-Dimethylphenol	December-21	ug/L																<1.05							
2,4-Dimethylphenol	October-22	ug/L				<0.492	<0.492				<0.492								<0.492		<0.509				
2,4-Dinitrophenol	March-09	ug/l					<20	<20	<20																
2,4-Dinitrophenol	June-09	ug/l				<20	<20	<20	<20	<20			<20												
2,4-Dinitrophenol	September-09	ug/l				<20	<20	<20	<20	<20			<20												
2,4-Dinitrophenol	December-09	ug/l				<20	<20	<20	<20	<20			<20												
2,4-Dinitrophenol	March-10	ug/l				<20				<20			<20												
2,4-Dinitrophenol	June-10	ug/l									<20														
2,4-Dinitrophenol	August-10	ug/l									<20	<20													
2,4-Dinitrophenol	September-10	ug/l				<20	<20	<20	<20	<20	<20	<20	<20												
2,4-Dinitrophenol	December-10	ug/l									<20														
2,4-Dinitrophenol	March-11	ug/l										<20		<20											
2,4-Dinitrophenol	June-11	ug/l										<20		<20		<20	<20								
2,4-Dinitrophenol	September-11	ug/l				<20	<20	<20	<20	<20	<20		<20	<20		<20	<20								
2,4-Dinitrophenol	December-11	ug/l												<20		<20	<20								
2,4-Dinitrophenol	March-12	ug/l														<20	<20								
2,4-Dinitrophenol	December-14	ug/l															<20.4								
2,4-Dinitrophenol	October-16	ug/l													<1.4										
2,4-Dinitrophenol	November-16	ug/l						<1.34	<1.34	<1.46						<1.51	<1.49								
2,4-Dinitrophenol	October-17	ug/L					<1.41																		
2,4-Dinitrophenol	December-17	ug/L				<1.43					<1.40								<1.40		<1.40				
2,4-Dinitrophenol	July-18	ug/L			<2.61							<2.69													
2,4-Dinitrophenol	November-18	ug/L			<2.66							<2.69													
2,4-Dinitrophenol	May-19	ug/L																		<2.61					
2,4-Dinitrophenol	October-21	ug/L						<6.00	<6.00	<5.82						<5.94	<6.00								
2,4-Dinitrophenol	December-21	ug/L																<6.00							
2,4-Dinitrophenol	October-22	ug/L				<11.0	<11.0				<11.0								<11.0		<11.4				
2,4-Dinitrotoluene	March-09	ug/l					<10	<10	<10																
2,4-Dinitrotoluene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
2,4-Dinitrotoluene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
2,4-Dinitrotoluene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
2,4-Dinitrotoluene	March-10	ug/l				<10				<10			<10												
2,4-Dinitrotoluene	June-10	ug/l									<10														
2,4-Dinitrotoluene	August-10	ug/l									<10	<10													
2,4-Dinitrotoluene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
2,4-Dinitrotoluene	December-10	ug/l									<10														
2,4-Dinitrotoluene	March-11	ug/l										<10		<10											
2,4-Dinitrotoluene	June-11	ug/l										<10		<10		<10	<10								
2,4-Dinitrotoluene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
2,4-Dinitrotoluene	December-11	ug/l												<10		<10	<10								
2,4-Dinitrotoluene	March-12	ug/l														<10	<10								
2,4-Dinitrotoluene	December-14	ug/l															<10.2								
2,4-Dinitrotoluene	October-16	ug/l													<0.198										
2,4-Dinitrotoluene	November-16	ug/l						<0.19	<0.19	<0.207						<0.213	<0.211								
2,4-Dinitrotoluene	October-17	ug/L					<0.200																		
2,4-Dinitrotoluene	December-17	ug/L				<0.202					<0.198								<0.198		<0.198				
2,4-Dinitrotoluene	July-18	ug/L			<0.465							<0.479													
2,4-Dinitrotoluene	November-18	ug/L			<0.474							<0.479													
2,4-Dinitrotoluene	May-19	ug/L																		<0.465					
2,4-Dinitrotoluene	October-21	ug/L						<1.16	<1.16	<1.12						<1.15	<1.16								
2,4-Dinitrotoluene	December-21	ug/L																<1.16							

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
2,4-Dinitrotoluene	October-22	ug/L				<5.42	<5.42				<5.42								<5.42		<5.61				
2,6-Dichlorophenol	March-09	ug/l					<10	<10	<10																
2,6-Dichlorophenol	June-09	ug/l				<10	<10	<10	<10	<10			<10												
2,6-Dichlorophenol	September-09	ug/l				<10	<10	<10	<10	<10			<10												
2,6-Dichlorophenol	December-09	ug/l				<10	<10	<10	<10	<10			<10												
2,6-Dichlorophenol	March-10	ug/l				<10				<10			<10												
2,6-Dichlorophenol	June-10	ug/l									<10														
2,6-Dichlorophenol	August-10	ug/l									<10	<10													
2,6-Dichlorophenol	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
2,6-Dichlorophenol	December-10	ug/l									<10														
2,6-Dichlorophenol	March-11	ug/l										<10		<10											
2,6-Dichlorophenol	June-11	ug/l										<10		<10		<10	<10								
2,6-Dichlorophenol	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
2,6-Dichlorophenol	December-11	ug/l												<10		<10	<10								
2,6-Dichlorophenol	March-12	ug/l														<10	<10								
2,6-Dichlorophenol	December-14	ug/l															<10.2								
2,6-Dichlorophenol	October-16	ug/l													<0.229										
2,6-Dichlorophenol	November-16	ug/l						<0.22	<0.22	<0.239						<0.247	<0.244								
2,6-Dichlorophenol	October-17	ug/L					<0.232																		
2,6-Dichlorophenol	December-17	ug/L				<0.234					<0.229								<0.229		<0.229				
2,6-Dichlorophenol	July-18	ug/L			<0.222							<0.229													
2,6-Dichlorophenol	November-18	ug/L			<0.227							<0.229													
2,6-Dichlorophenol	May-19	ug/L																		<0.222					
2,6-Dichlorophenol	October-21	ug/L						<1.16	<1.16	<1.12						<1.15	<1.16								
2,6-Dichlorophenol	December-21	ug/L																<1.16							
2,6-Dichlorophenol	October-22	ug/L				<0.585	<0.585				<0.585								<0.585		<0.605				
2,6-Dinitrotoluene	March-09	ug/l					<10	<10	<10																
2,6-Dinitrotoluene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
2,6-Dinitrotoluene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
2,6-Dinitrotoluene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
2,6-Dinitrotoluene	March-10	ug/l				<10				<10			<10												
2,6-Dinitrotoluene	June-10	ug/l									<10														
2,6-Dinitrotoluene	August-10	ug/l									<10	<10													
2,6-Dinitrotoluene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
2,6-Dinitrotoluene	December-10	ug/l									<10														
2,6-Dinitrotoluene	March-11	ug/l										<10		<10											
2,6-Dinitrotoluene	June-11	ug/l										<10		<10		<10	<10								
2,6-Dinitrotoluene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
2,6-Dinitrotoluene	December-11	ug/l												<10		<10	<10								
2,6-Dinitrotoluene	March-12	ug/l														<10	<10								
2,6-Dinitrotoluene	December-14	ug/l															<10.2								
2,6-Dinitrotoluene	October-16	ug/l													<0.25										
2,6-Dinitrotoluene	November-16	ug/l						<0.24	<0.24	<0.261						<0.27	<0.267								
2,6-Dinitrotoluene	October-17	ug/L					<0.253																		
2,6-Dinitrotoluene	December-17	ug/L				<0.255					<0.250								<0.250		<0.250				
2,6-Dinitrotoluene	July-18	ug/L			<0.242							<0.250													
2,6-Dinitrotoluene	November-18	ug/L			<0.247							<0.250													
2,6-Dinitrotoluene	May-19	ug/L																		<0.242					
2,6-Dinitrotoluene	October-21	ug/L						<1.16	<1.16	<1.12						<1.15	<1.16								
2,6-Dinitrotoluene	December-21	ug/L																<1.16							
2,6-Dinitrotoluene	October-22	ug/L				<0.441	<0.441				<0.441								<0.441		<0.456				
2-Acetylaminofluorene	March-09	ug/l					<10	<10	<10																
2-Acetylaminofluorene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Acetylaminofluorene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Acetylaminofluorene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Acetylaminofluorene	March-10	ug/l				<10				<10			<10												
2-Acetylaminofluorene	June-10	ug/l									<10														
2-Acetylaminofluorene	August-10	ug/l									<10	<10													
2-Acetylaminofluorene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
2-Acetylaminofluorene	December-10	ug/l									<10														
2-Acetylaminofluorene	March-11	ug/l										<10		<10											
2-Acetylaminofluorene	June-11	ug/l										<10		<10		<10	<10								
2-Acetylaminofluorene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
2-Acetylaminofluorene	December-11	ug/l												<10		<10	<10								
2-Acetylaminofluorene	March-12	ug/l														<10	<10								

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
2-Acetylaminofluorene	December-14	ug/l															<10.2								
2-Acetylaminofluorene	October-16	ug/l													<0.292										
2-Acetylaminofluorene	November-16	ug/l						<0.28	<0.28	<0.304						<0.315	<0.311								
2-Acetylaminofluorene	October-17	ug/L					<0.295																		
2-Acetylaminofluorene	December-17	ug/L				<0.298					<0.292								<0.292		<0.292				
2-Acetylaminofluorene	July-18	ug/L			<1.25							<1.29													
2-Acetylaminofluorene	November-18	ug/L			<1.28							<1.29													
2-Acetylaminofluorene	May-19	ug/L																		<1.25					
2-Acetylaminofluorene	October-21	ug/L						<1.26	<1.26	<1.22						<1.25	<1.26								
2-Acetylaminofluorene	December-21	ug/L																<1.26							
2-Acetylaminofluorene	October-22	ug/L				<2.29	<2.29				<2.29								<2.29		<2.37				
2-Butanone (MEK)	January-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
2-Butanone (MEK)	March-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
2-Butanone (MEK)	August-08	ug/l				<10	<10	<10	**1.22J**	<10	<10	<10	<10	<10											
2-Butanone (MEK)	September-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
2-Butanone (MEK)	October-08	ug/l				<10	<10	<10	**2.16J**	<10	<10	<10	<10	<10											
2-Butanone (MEK)	March-09	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
2-Butanone (MEK)	June-09	ug/l				<50	<10	<10	<10	<10			<10												
2-Butanone (MEK)	September-09	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
2-Butanone (MEK)	December-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Butanone (MEK)	March-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
2-Butanone (MEK)	June-10	ug/l									<10					<10	<10	<10	<10	<10					
2-Butanone (MEK)	August-10	ug/l									<10	<10				<10	<10	<10	<10	<10					
2-Butanone (MEK)	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
2-Butanone (MEK)	December-10	ug/l									<10					<10	<10	<10	<10	<10					
2-Butanone (MEK)	March-11	ug/l		<10		<10	<10	<10	<100	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
2-Butanone (MEK)	April-11	ug/l				<10		<10	<100	<10							<10								
2-Butanone (MEK)	June-11	ug/l		<10								<10		<10		<10	<10								
2-Butanone (MEK)	July-11	ug/l	<10																						
2-Butanone (MEK)	August-11	ug/l		<10																					
2-Butanone (MEK)	September-11	ug/l	<10	<10		<10	<10	<10	<100	<10	<10		<10	<10		<10	<10	<10	<10	<10					
2-Butanone (MEK)	December-11	ug/l	<10	<10										<10		<10	<10								
2-Butanone (MEK)	March-12	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
2-Butanone (MEK)	June-12	ug/l													<10										
2-Butanone (MEK)	October-12	ug/l	<10	<10		<10	<10	<10	<10	<10			<10	<10		<10	<10		<10						
2-Butanone (MEK)	March-13	ug/l	<10	<10		<10	<10	<10	<100	<10	<10		<10	<10	<10	<10	<10	<10	<10						
2-Butanone (MEK)	June-13	ug/l																			<10				
2-Butanone (MEK)	September-13	ug/l	<10	<10		<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10				
2-Butanone (MEK)	November-13	ug/l																			<10				
2-Butanone (MEK)	March-14	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10				
2-Butanone (MEK)	June-14	ug/l																		<10	<10				
2-Butanone (MEK)	September-14	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10				
2-Butanone (MEK)	December-14	ug/l															<10								
2-Butanone (MEK)	April-15	ug/l	**3.3J**	<10		<10	<10	<10	<10	<10	<10	**0.472J**			<10	<10	<10	<10	**12.4**	<10	<10				
2-Butanone (MEK)	October-15	ug/l	<0.47	<1.04		<0.47	<0.47	<0.47	<1.04	<1.04	<1.04				<1.04	<1.04	<1.04	<0.47	<1.04	<1.04	<1.04				
2-Butanone (MEK)	April-16	ug/l	<0.47	<0.47		<0.47	<0.47	<0.47	<0.47	**1.94J**	<0.47	<0.47			<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47				
2-Butanone (MEK)	October-16	ug/l													<1.04										
2-Butanone (MEK)	November-16	ug/l	<1.04	<1.04		<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04				<1.04	<1.04	<1.04	<1.04	<1.04	<1.04				
2-Butanone (MEK)	March-17	ug/l	**2.69J**	<1.04		<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04			<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04				
2-Butanone (MEK)	October-17	ug/L	**3.38J**	<1.04		<1.04	<1.04	<1.04	**2.1J**	<1.04	<1.04				<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04				
2-Butanone (MEK)	December-17	ug/L				<1.04					<1.04								<1.04		<1.04				
2-Butanone (MEK)	April-18	ug/L	**2.39J**	<1.04		<1.04	<1.04	**1.13J**	<1.04	**1.73J**	<1.04	<1.04			<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04				
2-Butanone (MEK)	July-18	ug/L			**4.61J**							<2.10													
2-Butanone (MEK)	October-18	ug/L	**2.37J**	<2.10		<2.10	<2.10		<2.10						<2.10		<2.10								
2-Butanone (MEK)	November-18	ug/L			<2.10			<2.10		<2.10	<2.10	<2.10				<2.10		<2.10	<2.10	<2.10	<2.10				
2-Butanone (MEK)	January-19	ug/L			<2.10																				
2-Butanone (MEK)	March-19	ug/L	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10			<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10				
2-Butanone (MEK)	May-19	ug/L			<2.10															<2.10					
2-Butanone (MEK)	October-19	ug/L	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10			<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10				
2-Butanone (MEK)	March-20	ug/L	<2.10	<2.10		<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10			<2.10	<2.10	<2.10	<2.10	<2.10		<2.10				
2-Butanone (MEK)	April-20	ug/L			<2.10															<2.10					
2-Butanone (MEK)	September-20	ug/L	<2.10	<2.10	<2.10		<2.10	<2.10	**2.76J**	<2.10	<2.10	<2.10			<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10				
2-Butanone (MEK)	October-20	ug/L				<2.10																			
2-Butanone (MEK)	March-21	ug/L		<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10					<2.10	<2.10	<2.10				<2.10				
2-Butanone (MEK)	April-21	ug/L	<2.10								<2.10	<2.10						<2.10	<2.10	<2.10					

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
2-Butanone (MEK)	May-21	ug/L																<2.10							
2-Butanone (MEK)	August-21	ug/L																							
2-Butanone (MEK)	October-21	ug/L	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10			<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10				
2-Butanone (MEK)	December-21	ug/L																<2.10							
2-Butanone (MEK)	February-22	ug/L	<2.10																						<2.10
2-Butanone (MEK)	April-22	ug/L	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	**3.85J**			<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10				<2.10
2-Butanone (MEK)	July-22	ug/L																							<2.10
2-Butanone (MEK)	October-22	ug/L	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10				<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10				<2.10
2-Butanone (MEK)	April-23	ug/L	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10			<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10				<2.10
2-Butanone (MEK)	May-23	ug/L																							
2-Butanone (MEK)	October-23	ug/L	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10				<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10				<2.10
2-Chloronaphthalene	March-09	ug/l					<10	<10	<10																
2-Chloronaphthalene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Chloronaphthalene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Chloronaphthalene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Chloronaphthalene	March-10	ug/l				<10				<10			<10												
2-Chloronaphthalene	June-10	ug/l									<10														
2-Chloronaphthalene	August-10	ug/l									<10	<10													
2-Chloronaphthalene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
2-Chloronaphthalene	December-10	ug/l									<10														
2-Chloronaphthalene	March-11	ug/l										<10		<10											
2-Chloronaphthalene	June-11	ug/l										<10		<10		<10	<10								
2-Chloronaphthalene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
2-Chloronaphthalene	December-11	ug/l												<10		<10	<10								
2-Chloronaphthalene	March-12	ug/l														<10	<10								
2-Chloronaphthalene	December-14	ug/l															<10.2								
2-Chloronaphthalene	October-16	ug/l													<0.24										
2-Chloronaphthalene	November-16	ug/l						<0.23	<0.23	<0.25						**0.539J**	<0.256								
2-Chloronaphthalene	October-17	ug/L					<0.242																		
2-Chloronaphthalene	December-17	ug/L				<0.245					<0.240								<0.240		<0.240				
2-Chloronaphthalene	July-18	ug/L			<0.232							<0.240													
2-Chloronaphthalene	November-18	ug/L			<0.237							<0.240													
2-Chloronaphthalene	May-19	ug/L																		<0.232					
2-Chloronaphthalene	October-21	ug/L						<1.37	<1.37	<1.33						<1.35	<1.37								
2-Chloronaphthalene	December-21	ug/L																<1.37							
2-Chloronaphthalene	October-22	ug/L				<0.542	<0.542				<0.542								<0.542		<0.561				
2-Chlorophenol	March-09	ug/l					<10	<10	<10																
2-Chlorophenol	June-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Chlorophenol	September-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Chlorophenol	December-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Chlorophenol	March-10	ug/l				<10				<10			<10												
2-Chlorophenol	June-10	ug/l									<10														
2-Chlorophenol	August-10	ug/l									<10	<10													
2-Chlorophenol	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
2-Chlorophenol	December-10	ug/l									<10														
2-Chlorophenol	March-11	ug/l										<10		<10											
2-Chlorophenol	June-11	ug/l										<10		<10		<10	<10								
2-Chlorophenol	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
2-Chlorophenol	December-11	ug/l												<10		<10	<10								
2-Chlorophenol	March-12	ug/l														<10	<10								
2-Chlorophenol	December-14	ug/l															<10.2								
2-Chlorophenol	October-16	ug/l													<0.156										
2-Chlorophenol	November-16	ug/l						<0.15	<0.15	<0.163						<0.169	<0.167								
2-Chlorophenol	October-17	ug/L					<0.158																		
2-Chlorophenol	December-17	ug/L				<0.160					<0.156								<0.156		<0.156				
2-Chlorophenol	July-18	ug/L			<0.152							<0.156													
2-Chlorophenol	November-18	ug/L			<0.155							<0.156													
2-Chlorophenol	May-19	ug/L																		<0.152					
2-Chlorophenol	October-21	ug/L						<1.16	<1.16	<1.12						<1.15	<1.16								
2-Chlorophenol	December-21	ug/L																<1.16							
2-Chlorophenol	October-22	ug/L				<0.458	<0.458				<0.458								<0.458		<0.474				
2-Hexanone	January-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
2-Hexanone	March-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
2-Hexanone	August-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
2-Hexanone	September-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
2-Hexanone	October-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
2-Hexanone	March-09	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
2-Hexanone	June-09	ug/l				<50	<10	<10	<10	<10			<10												
2-Hexanone	September-09	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
2-Hexanone	December-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Hexanone	March-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
2-Hexanone	June-10	ug/l									<10					<10	<10	<10	<10	<10					
2-Hexanone	August-10	ug/l									<10	<10				<10	<10	<10	<10	<10					
2-Hexanone	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
2-Hexanone	December-10	ug/l									<10					<10	<10	<10	<10	<10					
2-Hexanone	March-11	ug/l		<10		<10	<10	<10	<100	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
2-Hexanone	April-11	ug/l				<10		<10	<100	<10							<10								
2-Hexanone	June-11	ug/l		<10								<10		<10		<10	<10								
2-Hexanone	July-11	ug/l	<10																						
2-Hexanone	August-11	ug/l		<10																					
2-Hexanone	September-11	ug/l	<10	<10		<10	<10	<10	<100	<10	<10		<10	<10		<10	<10	<10	<10	<10					
2-Hexanone	December-11	ug/l	<10	<10										<10		<10	<10								
2-Hexanone	March-12	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
2-Hexanone	June-12	ug/l													<10										
2-Hexanone	October-12	ug/l	<10	<10		<10	<10	<10	<10	<10			<10	<10		<10	<10		<10						
2-Hexanone	March-13	ug/l	<10	<10		<10	<10	<10	<100	<10	<10		<10	<10	<10	<10	<10	<10	<10						
2-Hexanone	June-13	ug/l																			<10				
2-Hexanone	September-13	ug/l	<10	<10		<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10				
2-Hexanone	November-13	ug/l																			<10				
2-Hexanone	March-14	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10				
2-Hexanone	June-14	ug/l																		<10	<10				
2-Hexanone	September-14	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10				
2-Hexanone	December-14	ug/l															<10								
2-Hexanone	April-15	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10			<10	<10	<10	<10	**2.02J**	<10	<10				
2-Hexanone	October-15	ug/l	<0.2	<0.2		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2				<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2				
2-Hexanone	April-16	ug/l	<0.2	<0.2		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2				
2-Hexanone	October-16	ug/l													<0.2										
2-Hexanone	November-16	ug/l	<0.2	<0.2		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2				<0.2	<0.2	<0.2	<0.2	<0.2	<0.2				
2-Hexanone	March-17	ug/l	<0.2	<0.2		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2				
2-Hexanone	October-17	ug/L	<0.200	<0.200		<0.200	<0.200	<0.200	<0.200	<0.200	<0.200				<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200				
2-Hexanone	December-17	ug/L				<0.200					<0.200								<0.200		<0.200				
2-Hexanone	April-18	ug/L	<0.200	<0.200		<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200			<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200				
2-Hexanone	July-18	ug/L			<2.00							<2.00													
2-Hexanone	October-18	ug/L	<2.00	<2.00		<2.00	<2.00		<2.00						<2.00		<2.00								
2-Hexanone	November-18	ug/L			<2.00			<2.00		<2.00	<2.00	<2.00				<2.00		<2.00	<2.00	<2.00	<2.00				
2-Hexanone	January-19	ug/L			<2.00																				
2-Hexanone	March-19	ug/L	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00			<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00				
2-Hexanone	May-19	ug/L			<2.00															<2.00					
2-Hexanone	October-19	ug/L	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00			<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00				
2-Hexanone	March-20	ug/L	<2.00	<2.00		<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00			<2.00	<2.00	<2.00	<2.00	<2.00		<2.00				
2-Hexanone	April-20	ug/L			<2.00															<2.00					
2-Hexanone	September-20	ug/L	<2.00	<2.00	<2.00		<2.00	<2.00	<2.00	<2.00	<2.00	<2.00			<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00				
2-Hexanone	October-20	ug/L				<2.00																			
2-Hexanone	March-21	ug/L		<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00					<2.00	<2.00	<2.00				<2.00				
2-Hexanone	April-21	ug/L	<2.00								<2.00	<2.00						<2.00	<2.00	<2.00					
2-Hexanone	May-21	ug/L																<2.00							
2-Hexanone	August-21	ug/L																							
2-Hexanone	October-21	ug/L	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00			<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00				
2-Hexanone	December-21	ug/L																<2.00							
2-Hexanone	February-22	ug/L	<2.00																						<2.00
2-Hexanone	April-22	ug/L	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00			<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00				<2.00
2-Hexanone	July-22	ug/L																							<2.00
2-Hexanone	October-22	ug/L	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00				<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00				<2.00
2-Hexanone	April-23	ug/L	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00			<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00				<2.00
2-Hexanone	May-23	ug/L																							
2-Hexanone	October-23	ug/L	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00				<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00				<2.00
2-Methylnaphthalene	March-09	ug/l					<10	<10	<10																
2-Methylnaphthalene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Methylnaphthalene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Methylnaphthalene	December-09	ug/l				<10	<10	<10	<10	<10			<10												

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
2-Methylnaphthalene	March-10	ug/l				<10				<10			<10												
2-Methylnaphthalene	June-10	ug/l									<10														
2-Methylnaphthalene	August-10	ug/l									<10	<10													
2-Methylnaphthalene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
2-Methylnaphthalene	December-10	ug/l									<10														
2-Methylnaphthalene	March-11	ug/l										<10		<10											
2-Methylnaphthalene	June-11	ug/l										<10		<10		<10	<10								
2-Methylnaphthalene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
2-Methylnaphthalene	December-11	ug/l												<10		<10	<10								
2-Methylnaphthalene	March-12	ug/l														<10	<10								
2-Methylnaphthalene	December-14	ug/l															<10.2								
2-Methylnaphthalene	October-16	ug/l													<0.198										
2-Methylnaphthalene	November-16	ug/l						<0.19	<0.19	<0.207						<0.213	<0.211								
2-Methylnaphthalene	October-17	ug/L					<0.200																		
2-Methylnaphthalene	December-17	ug/L				<0.202					<0.198								<0.198		<0.198				
2-Methylnaphthalene	July-18	ug/L			<0.192							<0.198													
2-Methylnaphthalene	November-18	ug/L			<0.196							<0.198													
2-Methylnaphthalene	May-19	ug/L																		<0.192					
2-Methylnaphthalene	October-21	ug/L						<1.37	<1.37	<1.33						<1.35	<1.37								
2-Methylnaphthalene	December-21	ug/L																<1.37							
2-Methylnaphthalene	October-22	ug/L				<0.500	<0.500				<0.500								<0.500		<0.518				
2-Methylphenol	May-19	ug/L																		<0.182					
2-Methylphenol	October-21	ug/L						<1.05	<1.05	<1.02						<1.04	<1.05								
2-Methylphenol	December-21	ug/L																<1.05							
2-Methylphenol	October-22	ug/L				<0.551	<0.551				<0.551								<0.551		<0.570				
2-Methylphenol [o-Cresol]	March-09	ug/l					<10	<10	<10																
2-Methylphenol [o-Cresol]	June-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Methylphenol [o-Cresol]	September-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Methylphenol [o-Cresol]	December-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Methylphenol [o-Cresol]	March-10	ug/l				<10				<10			<10												
2-Methylphenol [o-Cresol]	June-10	ug/l									<10														
2-Methylphenol [o-Cresol]	August-10	ug/l									<10	<10													
2-Methylphenol [o-Cresol]	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
2-Methylphenol [o-Cresol]	December-10	ug/l									<10														
2-Methylphenol [o-Cresol]	March-11	ug/l										<10		<10											
2-Methylphenol [o-Cresol]	June-11	ug/l										<10		<10		<10	<10								
2-Methylphenol [o-Cresol]	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
2-Methylphenol [o-Cresol]	December-11	ug/l												<10		<10	<10								
2-Methylphenol [o-Cresol]	March-12	ug/l														<10	<10								
2-Methylphenol [o-Cresol]	December-14	ug/l															<10.2								
2-Methylphenol [o-Cresol]	October-16	ug/l													<0.188										
2-Methylphenol [o-Cresol]	November-16	ug/l						<0.18	<0.18	<0.196						<0.202	<0.2								
2-Methylphenol [o-Cresol]	October-17	ug/L					<0.189																		
2-Methylphenol [o-Cresol]	December-17	ug/L				<0.191					<0.188								<0.188		<0.188				
2-Methylphenol [o-Cresol]	July-18	ug/L			<0.182							<0.188													
2-Methylphenol [o-Cresol]	November-18	ug/L			<0.186							<0.188													
2-Naphthylamine	March-09	ug/l					<10	<10	<10																
2-Naphthylamine	June-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Naphthylamine	September-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Naphthylamine	December-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Naphthylamine	March-10	ug/l				<10				<10			<10												
2-Naphthylamine	June-10	ug/l									<10														
2-Naphthylamine	August-10	ug/l									<10	<10													
2-Naphthylamine	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
2-Naphthylamine	December-10	ug/l									<10														
2-Naphthylamine	March-11	ug/l										<10		<10											
2-Naphthylamine	June-11	ug/l										<10		<10		<10	<10								
2-Naphthylamine	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
2-Naphthylamine	December-11	ug/l												<10		<10	<10								
2-Naphthylamine	March-12	ug/l														<10	<10								
2-Naphthylamine	December-14	ug/l															<10.2								
2-Naphthylamine	October-16	ug/l													<0.229										
2-Naphthylamine	November-16	ug/l						<0.22	<0.22	<0.239						<0.247	<0.244								
2-Naphthylamine	October-17	ug/L					<0.232																		
2-Naphthylamine	December-17	ug/L				<0.234					<0.229								<0.229		<0.229				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
2-Naphthylamine	July-18	ug/L			<0.222							<0.229													
2-Naphthylamine	November-18	ug/L			<0.227							<0.229													
2-Naphthylamine	May-19	ug/L																		<0.222					
2-Naphthylamine	October-21	ug/L						<0.905	<0.905	<0.878						<0.896	<0.905								
2-Naphthylamine	December-21	ug/L																<0.905							
2-Naphthylamine	October-22	ug/L				<1.78	<1.78				<1.78								<1.78		<1.84				
2-Nitroaniline	March-09	ug/l					<10	<10	<10																
2-Nitroaniline	June-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Nitroaniline	September-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Nitroaniline	December-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Nitroaniline	March-10	ug/l				<10				<10			<10												
2-Nitroaniline	June-10	ug/l									<10														
2-Nitroaniline	August-10	ug/l									<10	<10													
2-Nitroaniline	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
2-Nitroaniline	December-10	ug/l									<10														
2-Nitroaniline	March-11	ug/l										<10		<10											
2-Nitroaniline	June-11	ug/l										<10		<10		<10	<10								
2-Nitroaniline	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
2-Nitroaniline	December-11	ug/l												<10		<10	<10								
2-Nitroaniline	March-12	ug/l														<10	<10								
2-Nitroaniline	December-14	ug/l															<10.2								
2-Nitroaniline	October-16	ug/l													<0.24										
2-Nitroaniline	November-16	ug/l						<0.23	<0.23	<0.25						<0.258	<0.256								
2-Nitroaniline	October-17	ug/L					<0.242																		
2-Nitroaniline	December-17	ug/L				<0.245					<0.240								<0.240		<0.240				
2-Nitroaniline	July-18	ug/L			<1.25							<1.29													
2-Nitroaniline	November-18	ug/L			<1.28							<1.29													
2-Nitroaniline	May-19	ug/L																		<1.25					
2-Nitroaniline	October-21	ug/L						<1.26	<1.26	<1.22						<1.25	<1.26								
2-Nitroaniline	December-21	ug/L																<1.26							
2-Nitroaniline	October-22	ug/L				<5.00	<5.00				<5.00								<5.00		<5.18				
2-Nitrophenol	March-09	ug/l					<10	<10	<10																
2-Nitrophenol	June-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Nitrophenol	September-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Nitrophenol	December-09	ug/l				<10	<10	<10	<10	<10			<10												
2-Nitrophenol	March-10	ug/l				<10				<10			<10												
2-Nitrophenol	June-10	ug/l									<10														
2-Nitrophenol	August-10	ug/l									<10	<10													
2-Nitrophenol	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
2-Nitrophenol	December-10	ug/l									<10														
2-Nitrophenol	March-11	ug/l										<10		<10											
2-Nitrophenol	June-11	ug/l										<10		<10		<10	<10								
2-Nitrophenol	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
2-Nitrophenol	December-11	ug/l												<10		<10	<10								
2-Nitrophenol	March-12	ug/l														<10	<10								
2-Nitrophenol	December-14	ug/l															<10.2								
2-Nitrophenol	October-16	ug/l													<0.167										
2-Nitrophenol	November-16	ug/l						<0.16	<0.16	<0.174						<0.18	<0.178								
2-Nitrophenol	October-17	ug/L					<0.168																		
2-Nitrophenol	December-17	ug/L				<0.170					<0.167								<0.167		<0.167				
2-Nitrophenol	July-18	ug/L			<0.970							<1.00													
2-Nitrophenol	November-18	ug/L			<0.990							<1.00													
2-Nitrophenol	May-19	ug/L																		<0.970					
2-Nitrophenol	October-21	ug/L						<1.68	<1.68	<1.63						<1.67	<1.68								
2-Nitrophenol	December-21	ug/L																<1.68							
2-Nitrophenol	October-22	ug/L				<5.76	<5.76				<5.76								<5.76		<5.96				
3,3'-Dichlorobenzidine	October-17	ug/L					<0.484																		
3,3'-Dichlorobenzidine	December-17	ug/L				<0.489					<0.479								<0.479		<0.479				
3,3'-Dichlorobenzidine	July-18	ug/L			<0.818							<0.844													
3,3'-Dichlorobenzidine	November-18	ug/L			<0.835							<0.844													
3,3'-Dichlorobenzidine	May-19	ug/L																		<0.818					
3,3'-Dichlorobenzidine	October-21	ug/L						<1.89	<1.89	<1.84						<1.88	<1.89								
3,3'-Dichlorobenzidine	December-21	ug/L																<1.89							
3,3'-Dichlorobenzidine	October-22	ug/L				<1.19	<1.19				<1.19								<1.19		<1.23				
3,3'-Dimethylbenzidine	October-17	ug/L					<0.221																		

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
3,3'-Dimethylbenzidine	December-17	ug/L				<0.223					<0.219								<0.219		<0.219				
3,3'-Dimethylbenzidine	July-18	ug/L			<0.212							<0.219													
3,3'-Dimethylbenzidine	November-18	ug/L			<0.216							<0.219													
3,3'-Dimethylbenzidine	May-19	ug/L																		<0.212					
3,3'-Dimethylbenzidine	October-21	ug/L						<2.11	<2.11	<2.04						<2.08	<2.11								
3,3'-Dimethylbenzidine	December-21	ug/L																<2.11							
3,3'-Dimethylbenzidine	October-22	ug/L				<1.27	<1.27				<1.27								<1.27		<1.32				
3,3`-Dichlorobenzidine	March-09	ug/l					<85	<85	<85																
3,3`-Dichlorobenzidine	June-09	ug/l				<10	<10	<10	<10	<10			<10												
3,3`-Dichlorobenzidine	September-09	ug/l				<10	<10	<10	<10	<10			<10												
3,3`-Dichlorobenzidine	December-09	ug/l				<10	<10	<10	<10	<10			<10												
3,3`-Dichlorobenzidine	March-10	ug/l				<10				<10			<10												
3,3`-Dichlorobenzidine	June-10	ug/l									<10														
3,3`-Dichlorobenzidine	August-10	ug/l									<10	<10													
3,3`-Dichlorobenzidine	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
3,3`-Dichlorobenzidine	December-10	ug/l									<10														
3,3`-Dichlorobenzidine	March-11	ug/l										<10		<10											
3,3`-Dichlorobenzidine	June-11	ug/l										<10		<10		<10	<10								
3,3`-Dichlorobenzidine	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
3,3`-Dichlorobenzidine	December-11	ug/l												<10		<10	<10								
3,3`-Dichlorobenzidine	March-12	ug/l														<10	<10								
3,3`-Dichlorobenzidine	December-14	ug/l															<51								
3,3`-Dichlorobenzidine	October-16	ug/l													<0.479										
3,3`-Dichlorobenzidine	November-16	ug/l						<0.46	<0.46	<0.5						<0.517	<0.511								
3,3`-Dimethylbenzidine	March-09	ug/l					<20	<20	<20																
3,3`-Dimethylbenzidine	June-09	ug/l				<20	<20	<20	<20	<20			<20												
3,3`-Dimethylbenzidine	September-09	ug/l				<10	<10	<10	<10	<10			<10												
3,3`-Dimethylbenzidine	December-09	ug/l				<10	<10	<10	<10	<10			<10												
3,3`-Dimethylbenzidine	March-10	ug/l				<10				<10			<10												
3,3`-Dimethylbenzidine	June-10	ug/l									<10														
3,3`-Dimethylbenzidine	August-10	ug/l									<10	<10													
3,3`-Dimethylbenzidine	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
3,3`-Dimethylbenzidine	December-10	ug/l									<10														
3,3`-Dimethylbenzidine	March-11	ug/l										<10		<10											
3,3`-Dimethylbenzidine	June-11	ug/l										<10		<10		<10	<10								
3,3`-Dimethylbenzidine	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
3,3`-Dimethylbenzidine	December-11	ug/l												<10		<10	<10								
3,3`-Dimethylbenzidine	March-12	ug/l														<10	<10								
3,3`-Dimethylbenzidine	December-14	ug/l															<10.2								
3,3`-Dimethylbenzidine	October-16	ug/l													<0.219										
3,3`-Dimethylbenzidine	November-16	ug/l						<0.21	<0.21	<0.228						<0.236	<0.233								
3-Methylcholanthrene	March-09	ug/l					<10	<10	<10																
3-Methylcholanthrene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
3-Methylcholanthrene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
3-Methylcholanthrene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
3-Methylcholanthrene	March-10	ug/l				<10				<10			<10												
3-Methylcholanthrene	June-10	ug/l									<10														
3-Methylcholanthrene	August-10	ug/l									<10	<10													
3-Methylcholanthrene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
3-Methylcholanthrene	December-10	ug/l									<10														
3-Methylcholanthrene	March-11	ug/l										<10		<10											
3-Methylcholanthrene	June-11	ug/l										<10		<10		<10	<10								
3-Methylcholanthrene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
3-Methylcholanthrene	December-11	ug/l												<10		<10	<10								
3-Methylcholanthrene	March-12	ug/l														<10	<10								
3-Methylcholanthrene	December-14	ug/l															<10.2								
3-Methylcholanthrene	October-16	ug/l													<0.323										
3-Methylcholanthrene	November-16	ug/l						<0.31	<0.31	<0.337						<0.348	<0.344								
3-Methylcholanthrene	October-17	ug/L					<0.326																		
3-Methylcholanthrene	December-17	ug/L				<0.330					<0.323								<0.323		<0.323				
3-Methylcholanthrene	July-18	ug/L			<0.899							<0.927													
3-Methylcholanthrene	November-18	ug/L			<0.918							<0.927													
3-Methylcholanthrene	May-19	ug/L																		<0.899					
3-Methylcholanthrene	October-21	ug/L						<2.63	<2.63	<2.55						<2.60	<2.63								
3-Methylcholanthrene	December-21	ug/L																<2.63							

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
3-Methylcholanthrene	October-22	ug/L				<0.271	<0.271				<0.271								<0.271		<0.281				
3-Nitroaniline	March-09	ug/l					<10	<10	<10																
3-Nitroaniline	June-09	ug/l				<10	<10	<10	<10	<10			<10												
3-Nitroaniline	September-09	ug/l				<10	<10	<10	<10	<10			<10												
3-Nitroaniline	December-09	ug/l				<10	<10	<10	<10	<10			<10												
3-Nitroaniline	March-10	ug/l				<10				<10			<10												
3-Nitroaniline	June-10	ug/l									<10														
3-Nitroaniline	August-10	ug/l									<10	<10													
3-Nitroaniline	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
3-Nitroaniline	December-10	ug/l									<10														
3-Nitroaniline	March-11	ug/l										<10		<10											
3-Nitroaniline	June-11	ug/l										<10		<10		<10	<10								
3-Nitroaniline	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
3-Nitroaniline	December-11	ug/l												<10		<10	<10								
3-Nitroaniline	March-12	ug/l														<10	<10								
3-Nitroaniline	December-14	ug/l															<10.2								
3-Nitroaniline	October-16	ug/l													<0.229										
3-Nitroaniline	November-16	ug/l						<0.22	<0.22	<0.239						<0.247	<0.244								
3-Nitroaniline	October-17	ug/L					<0.232																		
3-Nitroaniline	December-17	ug/L				<0.234					<0.229								<0.229		<0.229				
3-Nitroaniline	July-18	ug/L			<0.586							<0.604													
3-Nitroaniline	November-18	ug/L			<0.598							<0.604													
3-Nitroaniline	May-19	ug/L																		<0.586					
3-Nitroaniline	October-21	ug/L						<1.05	<1.05	<1.02						<1.04	<1.05								
3-Nitroaniline	December-21	ug/L																<1.05							
3-Nitroaniline	October-22	ug/L				<2.29	<2.29				<2.29								<2.29		<2.37				
4,4'-DDD	October-17	ug/L					**0.0112J**																		
4,4'-DDD	December-17	ug/L				<0.00188					<0.00188								<0.00188		<0.00188				
4,4'-DDD	July-18	ug/L			<0.00182							**0.0044J**													
4,4'-DDD	November-18	ug/L			<0.00186							<0.00186													
4,4'-DDD	May-19	ug/L																		<0.00184					
4,4'-DDD	October-21	ug/L						<0.00884	<0.00884	<0.00884						<0.00884	<0.00884								
4,4'-DDD	December-21	ug/L																<0.00884							
4,4'-DDD	October-22	ug/L				<0.0229	<0.0237				<0.0229								<0.0245		<0.0229				
4,4'-DDD	April-23	ug/L								<0.0270								<0.0270							
4,4'-DDE	October-17	ug/L					<0.00219																		
4,4'-DDE	December-17	ug/L				**0.0024J**					<0.00219								<0.00219		<0.00219				
4,4'-DDE	July-18	ug/L			<0.00212							**0.00533J**													
4,4'-DDE	November-18	ug/L			<0.00216							**0.00364J**													
4,4'-DDE	May-19	ug/L																		<0.00214					
4,4'-DDE	October-21	ug/L						<0.00895	<0.00895	<0.00895						<0.00895	<0.00895								
4,4'-DDE	December-21	ug/L																<0.00895							
4,4'-DDE	October-22	ug/L				<0.0229	<0.0237				<0.0229								<0.0245		<0.0229				
4,4'-DDE	April-23	ug/L								<0.0270								<0.0270							
4,4'-DDT	October-17	ug/L					**0.0117J**																		
4,4'-DDT	December-17	ug/L				<0.00396					**0.0137J**								<0.00396		<0.00396				
4,4'-DDT	July-18	ug/L			<0.00384							**0.018J**													
4,4'-DDT	November-18	ug/L			<0.00392							**0.00901J**													
4,4'-DDT	May-19	ug/L																		<0.00388					
4,4'-DDT	October-21	ug/L						<0.0126	<0.0126	<0.0126						<0.0126	<0.0126								
4,4'-DDT	December-21	ug/L																<0.0126							
4,4'-DDT	October-22	ug/L				<0.0356	<0.0368				<0.0356								<0.0382		<0.0356				
4,4'-DDT	April-23	ug/L								<0.0420								**0.11**							
4,4'-DDT	June-23	ug/L																<0.0420							
4,4`-DDD	March-09	ug/l					<0.032	<0.032	<0.032																
4,4`-DDD	June-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
4,4`-DDD	September-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
4,4`-DDD	December-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
4,4`-DDD	March-10	ug/l				<0.032				<0.032			<0.032												
4,4`-DDD	June-10	ug/l									<0.032														
4,4`-DDD	August-10	ug/l									<0.032	<0.032													
4,4`-DDD	September-10	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032												
4,4`-DDD	December-10	ug/l									<0.032														
4,4`-DDD	March-11	ug/l					<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032											
4,4`-DDD	June-11	ug/l										<0.032		<0.032		<0.0392	<0.032								

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
4,4`-DDD	September-11	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032		<0.032	<0.032		<0.032	<0.032								
4,4`-DDD	December-11	ug/l												<0.032		<0.032	<0.032								
4,4`-DDD	March-12	ug/l														<0.032	<0.032								
4,4`-DDD	December-14	ug/l															<0.0352								
4,4`-DDD	October-16	ug/l													<0.00188										
4,4`-DDD	November-16	ug/l						<0.00186	<0.0018	<0.00194						<0.00186	<0.00186								
4,4`-DDE	March-09	ug/l					<0.032	<0.032	<0.032																
4,4`-DDE	June-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
4,4`-DDE	September-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
4,4`-DDE	December-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
4,4`-DDE	March-10	ug/l				<0.032				<0.032			<0.032												
4,4`-DDE	June-10	ug/l									<0.032														
4,4`-DDE	August-10	ug/l									<0.032	<0.032													
4,4`-DDE	September-10	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032												
4,4`-DDE	December-10	ug/l									<0.032														
4,4`-DDE	March-11	ug/l					<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032											
4,4`-DDE	June-11	ug/l										<0.032		<0.032		<0.0392	<0.032								
4,4`-DDE	September-11	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032		<0.032	<0.032		<0.032	<0.032								
4,4`-DDE	December-11	ug/l												<0.032		<0.032	<0.032								
4,4`-DDE	March-12	ug/l														<0.032	<0.032								
4,4`-DDE	December-14	ug/l															<0.0352								
4,4`-DDE	October-16	ug/l													<0.00219										
4,4`-DDE	November-16	ug/l						<0.00216	<0.0021	<0.00226						<0.00216	<0.00216								
4,4`-DDT	March-09	ug/l					<0.032	<0.032	<0.032																
4,4`-DDT	June-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
4,4`-DDT	September-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
4,4`-DDT	December-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
4,4`-DDT	March-10	ug/l				<0.032				<0.032			<0.032												
4,4`-DDT	June-10	ug/l									<0.032														
4,4`-DDT	August-10	ug/l									<0.032	<0.032													
4,4`-DDT	September-10	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032												
4,4`-DDT	December-10	ug/l									<0.032														
4,4`-DDT	March-11	ug/l					<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032											
4,4`-DDT	June-11	ug/l										<0.032		<0.032		<0.0392	<0.032								
4,4`-DDT	September-11	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032		<0.032	<0.032		<0.032	<0.032								
4,4`-DDT	December-11	ug/l												<0.032		<0.032	<0.032								
4,4`-DDT	March-12	ug/l														<0.032	<0.032								
4,4`-DDT	December-14	ug/l															<0.0352								
4,4`-DDT	October-16	ug/l													<0.00396										
4,4`-DDT	November-16	ug/l						<0.00392	<0.0038	<0.00409						<0.00392	<0.00392								
4,6-Dinitro-2-methylphenol	March-09	ug/l					<10	<10	<10																
4,6-Dinitro-2-methylphenol	June-09	ug/l				<10	<10	<10	<10	<10			<10												
4,6-Dinitro-2-methylphenol	September-09	ug/l				<10	<10	<10	<10	<10			<10												
4,6-Dinitro-2-methylphenol	December-09	ug/l				<10	<10	<10	<10	<10			<10												
4,6-Dinitro-2-methylphenol	March-10	ug/l				<10				<10			<10												
4,6-Dinitro-2-methylphenol	June-10	ug/l									<10														
4,6-Dinitro-2-methylphenol	August-10	ug/l									<10	<10													
4,6-Dinitro-2-methylphenol	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
4,6-Dinitro-2-methylphenol	December-10	ug/l									<10														
4,6-Dinitro-2-methylphenol	March-11	ug/l										<10		<10											
4,6-Dinitro-2-methylphenol	June-11	ug/l										<10		<10		<10	<10								
4,6-Dinitro-2-methylphenol	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
4,6-Dinitro-2-methylphenol	December-11	ug/l												<10		<10	<10								
4,6-Dinitro-2-methylphenol	March-12	ug/l														<10	<10								
4,6-Dinitro-2-methylphenol	December-14	ug/l															<10.2								
4,6-Dinitro-2-methylphenol	October-16	ug/l													<2.31										
4,6-Dinitro-2-methylphenol	November-16	ug/l						<2.22	<2.22	<2.41						<2.49	<2.47								
4,6-Dinitro-2-methylphenol	October-17	ug/L					<2.34																		
4,6-Dinitro-2-methylphenol	December-17	ug/L				<2.36					<2.31								<2.31		<2.31				
4,6-Dinitro-2-methylphenol	July-18	ug/L			<2.24							<2.31													
4,6-Dinitro-2-methylphenol	November-18	ug/L			<2.29							<2.31													
4,6-Dinitro-2-methylphenol	May-19	ug/L																		<2.24					
4,6-Dinitro-2-methylphenol	October-21	ug/L						<2.63	<2.63	<2.55						<2.60	<2.63								
4,6-Dinitro-2-methylphenol	December-21	ug/L																<2.63							
4,6-Dinitro-2-methylphenol	October-22	ug/L				<5.85	<5.85				<5.85								<5.85		<6.05				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
4-Aminobiphenyl	March-09	ug/l					<20	<20	<20																
4-Aminobiphenyl	June-09	ug/l				<20	<20	<20	<20	<20			<20												
4-Aminobiphenyl	September-09	ug/l				<10	<10	<10	<10	<10			<10												
4-Aminobiphenyl	December-09	ug/l				<10	<10	<10	<10	<10			<10												
4-Aminobiphenyl	March-10	ug/l				<10				<10			<10												
4-Aminobiphenyl	June-10	ug/l									<10														
4-Aminobiphenyl	August-10	ug/l									<10	<10													
4-Aminobiphenyl	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
4-Aminobiphenyl	December-10	ug/l									<10														
4-Aminobiphenyl	March-11	ug/l										<10		<10											
4-Aminobiphenyl	June-11	ug/l										<10		<10		<10	<10								
4-Aminobiphenyl	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
4-Aminobiphenyl	December-11	ug/l												<10		<10	<10								
4-Aminobiphenyl	March-12	ug/l														<10	<10								
4-Aminobiphenyl	December-14	ug/l															<10.2								
4-Aminobiphenyl	October-16	ug/l													<0.313										
4-Aminobiphenyl	November-16	ug/l						<0.3	<0.3	<0.326						<0.337	<0.333								
4-Aminobiphenyl	October-17	ug/L					<0.316																		
4-Aminobiphenyl	December-17	ug/L				<0.319					<0.313								<0.313		<0.313				
4-Aminobiphenyl	July-18	ug/L			<0.303							<0.313													
4-Aminobiphenyl	November-18	ug/L			<0.309							<0.313													
4-Aminobiphenyl	May-19	ug/L																		<0.303					
4-Aminobiphenyl	October-21	ug/L						<1.01	<1.01	<0.980						<1.00	<1.01								
4-Aminobiphenyl	December-21	ug/L																<1.01							
4-Aminobiphenyl	October-22	ug/L				<1.86	<1.86				<1.86								<1.86		<1.93				
4-Bromophenyl Phenyl Ether	March-09	ug/l					<10	<10	<10																
4-Bromophenyl Phenyl Ether	June-09	ug/l				<10	<10	<10	<10	<10			<10												
4-Bromophenyl Phenyl Ether	September-09	ug/l				<10	<10	<10	<10	<10			<10												
4-Bromophenyl Phenyl Ether	December-09	ug/l				<10	<10	<10	<10	<10			<10												
4-Bromophenyl Phenyl Ether	March-10	ug/l				<10				<10			<10												
4-Bromophenyl Phenyl Ether	June-10	ug/l									<10														
4-Bromophenyl Phenyl Ether	August-10	ug/l									<10	<10													
4-Bromophenyl Phenyl Ether	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
4-Bromophenyl Phenyl Ether	December-10	ug/l									<10														
4-Bromophenyl Phenyl Ether	March-11	ug/l										<10		<10											
4-Bromophenyl Phenyl Ether	June-11	ug/l										<10		<10		<10	<10								
4-Bromophenyl Phenyl Ether	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
4-Bromophenyl Phenyl Ether	December-11	ug/l												<10		<10	<10								
4-Bromophenyl Phenyl Ether	March-12	ug/l														<10	<10								
4-Bromophenyl Phenyl Ether	December-14	ug/l															<10.2								
4-Bromophenyl Phenyl Ether	October-16	ug/l													<0.302										
4-Bromophenyl Phenyl Ether	November-16	ug/l						<0.29	<0.29	<0.315						<0.326	<0.322								
4-Bromophenyl phenyl ether	October-17	ug/L					<0.305																		
4-Bromophenyl phenyl ether	December-17	ug/L				<0.309					<0.302								<0.302		<0.302				
4-Bromophenyl phenyl ether	July-18	ug/L			<0.293							<0.302													
4-Bromophenyl phenyl ether	November-18	ug/L			<0.299							<0.302													
4-Bromophenyl phenyl ether	May-19	ug/L																		<0.293					
4-Bromophenyl phenyl ether	October-21	ug/L						<2.00	<2.00	<1.94						<1.98	<2.00								
4-Bromophenyl phenyl ether	December-21	ug/L																<2.00							
4-Bromophenyl phenyl ether	October-22	ug/L				<0.593	<0.593				<0.593								<0.593		<0.614				
4-Chloro-3-methylphenol	March-09	ug/l					<10	<10	<10																
4-Chloro-3-methylphenol	June-09	ug/l				<10	<10	<10	<10	<10			<10												
4-Chloro-3-methylphenol	September-09	ug/l				<10	<10	<10	<10	<10			<10												
4-Chloro-3-methylphenol	December-09	ug/l				<10	<10	<10	<10	<10			<10												
4-Chloro-3-methylphenol	March-10	ug/l				<10				<10			<10												
4-Chloro-3-methylphenol	June-10	ug/l									<10														
4-Chloro-3-methylphenol	August-10	ug/l									<10	<10													
4-Chloro-3-methylphenol	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
4-Chloro-3-methylphenol	December-10	ug/l									<10														
4-Chloro-3-methylphenol	March-11	ug/l										<10		<10											
4-Chloro-3-methylphenol	June-11	ug/l										<10		<10		<10	<10								
4-Chloro-3-methylphenol	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
4-Chloro-3-methylphenol	December-11	ug/l												<10		<10	<10								
4-Chloro-3-methylphenol	March-12	ug/l														<10	<10								
4-Chloro-3-methylphenol	December-14	ug/l															<10.2								

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
4-Chloro-3-methylphenol	October-16	ug/l													<0.198										
4-Chloro-3-methylphenol	November-16	ug/l						<0.19	<0.19	<0.207						<0.213	<0.211								
4-Chloro-3-methylphenol	October-17	ug/L					<0.200																		
4-Chloro-3-methylphenol	December-17	ug/L				<0.202					<0.198								<0.198		<0.198				
4-Chloro-3-methylphenol	July-18	ug/L			<0.263							<0.271													
4-Chloro-3-methylphenol	November-18	ug/L			<0.268							<0.271													
4-Chloro-3-methylphenol	May-19	ug/L																		<0.263					
4-Chloro-3-methylphenol	October-21	ug/L						<1.00	<1.00	<0.969						<0.990	<1.00								
4-Chloro-3-methylphenol	December-21	ug/L																<1.00							
4-Chloro-3-methylphenol	October-22	ug/L				<0.712	<0.712				<0.712								<0.712		<0.737				
4-Chloroaniline	March-09	ug/l					<10	<10	<10																
4-Chloroaniline	June-09	ug/l				<10	<10	<10	<10	<10			<10												
4-Chloroaniline	September-09	ug/l				<10	<10	<10	<10	<10			<10												
4-Chloroaniline	December-09	ug/l				<10	<10	<10	<10	<10			<10												
4-Chloroaniline	March-10	ug/l				<10				<10			<10												
4-Chloroaniline	June-10	ug/l									<10														
4-Chloroaniline	August-10	ug/l									<10	<10													
4-Chloroaniline	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
4-Chloroaniline	December-10	ug/l									<10														
4-Chloroaniline	March-11	ug/l										<10		<10											
4-Chloroaniline	June-11	ug/l										<10		<10		<10	<10								
4-Chloroaniline	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
4-Chloroaniline	December-11	ug/l												<10		<10	<10								
4-Chloroaniline	March-12	ug/l														<10	<10								
4-Chloroaniline	December-14	ug/l															<10.2								
4-Chloroaniline	October-16	ug/l													<0.146										
4-Chloroaniline	November-16	ug/l						<0.14	<0.14	<0.152						<0.157	<0.156								
4-Chloroaniline	October-17	ug/L					<0.147																		
4-Chloroaniline	December-17	ug/L				<0.149					<0.146								<0.146		<0.146				
4-Chloroaniline	July-18	ug/L			<0.152							<0.156													
4-Chloroaniline	November-18	ug/L			<0.155							<0.156													
4-Chloroaniline	May-19	ug/L																		<0.152					
4-Chloroaniline	October-21	ug/L						<1.26	<1.26	<1.22						<1.25	<1.26								
4-Chloroaniline	December-21	ug/L																<1.26							
4-Chloroaniline	October-22	ug/L				<0.525	<0.525				<0.525								<0.525		<0.544				
4-Chlorophenyl Phenyl Ether	March-09	ug/l					<10	<10	<10																
4-Chlorophenyl Phenyl Ether	June-09	ug/l				<10	<10	<10	<10	<10			<10												
4-Chlorophenyl Phenyl Ether	September-09	ug/l				<10	<10	<10	<10	<10			<10												
4-Chlorophenyl Phenyl Ether	December-09	ug/l				<10	<10	<10	<10	<10			<10												
4-Chlorophenyl Phenyl Ether	March-10	ug/l				<10				<10			<10												
4-Chlorophenyl Phenyl Ether	June-10	ug/l									<10														
4-Chlorophenyl Phenyl Ether	August-10	ug/l									<10	<10													
4-Chlorophenyl Phenyl Ether	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
4-Chlorophenyl Phenyl Ether	December-10	ug/l									<10														
4-Chlorophenyl Phenyl Ether	March-11	ug/l										<10		<10											
4-Chlorophenyl Phenyl Ether	June-11	ug/l										<10		<10		<10	<10								
4-Chlorophenyl Phenyl Ether	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
4-Chlorophenyl Phenyl Ether	December-11	ug/l												<10		<10	<10								
4-Chlorophenyl Phenyl Ether	March-12	ug/l														<10	<10								
4-Chlorophenyl Phenyl Ether	December-14	ug/l															<10.2								
4-Chlorophenyl Phenyl Ether	October-16	ug/l													<0.26										
4-Chlorophenyl Phenyl Ether	November-16	ug/l						<0.25	<0.25	<0.272						<0.281	<0.278								
4-Chlorophenyl phenyl ether	October-17	ug/L					<0.263																		
4-Chlorophenyl phenyl ether	December-17	ug/L				<0.266					<0.260								<0.260		<0.260				
4-Chlorophenyl phenyl ether	July-18	ug/L			<0.253							<0.260													
4-Chlorophenyl phenyl ether	November-18	ug/L			<0.258							<0.260													
4-Chlorophenyl phenyl ether	May-19	ug/L																		<0.253					
4-Chlorophenyl phenyl ether	October-21	ug/L						<1.37	<1.37	<1.33						<1.35	<1.37								
4-Chlorophenyl phenyl ether	December-21	ug/L																<1.37							
4-Chlorophenyl phenyl ether	October-22	ug/L				<0.585	<0.585				<0.585								<0.585		<0.605				
4-Methyl-2-pentanone (MIBK)	January-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
4-Methyl-2-pentanone (MIBK)	March-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
4-Methyl-2-pentanone (MIBK)	August-08	ug/l				<10	<10	<10	**1.11J**	<10	<10	<10	<10	<10											
4-Methyl-2-pentanone (MIBK)	September-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
4-Methyl-2-pentanone (MIBK)	October-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
4-Methyl-2-pentanone (MIBK)	March-09	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
4-Methyl-2-pentanone (MIBK)	June-09	ug/l				<50	<10	<10	<10	<10			<10												
4-Methyl-2-pentanone (MIBK)	September-09	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
4-Methyl-2-pentanone (MIBK)	December-09	ug/l				<10	<10	<10	<10	<10			<10												
4-Methyl-2-pentanone (MIBK)	March-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
4-Methyl-2-pentanone (MIBK)	June-10	ug/l									<10					<10	<10	<10	<10	<10					
4-Methyl-2-pentanone (MIBK)	August-10	ug/l									<10	<10				<10	<10	<10	<10	<10					
4-Methyl-2-pentanone (MIBK)	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
4-Methyl-2-pentanone (MIBK)	December-10	ug/l									<10					<10	<10	<10	<10	<10					
4-Methyl-2-pentanone (MIBK)	March-11	ug/l		<10		<10	<10	<10	<100	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
4-Methyl-2-pentanone (MIBK)	April-11	ug/l				<10		<10	<100	<10							<10								
4-Methyl-2-pentanone (MIBK)	June-11	ug/l		<10								<10		<10		<10	<10								
4-Methyl-2-pentanone (MIBK)	July-11	ug/l	<10																						
4-Methyl-2-pentanone (MIBK)	August-11	ug/l		<10																					
4-Methyl-2-pentanone (MIBK)	September-11	ug/l	<10	<10		<10	<10	<10	<100	<10	<10		<10	<10		<10	<10	<10	<10	<10					
4-Methyl-2-pentanone (MIBK)	December-11	ug/l	<10	<10										<10		<10	<10								
4-Methyl-2-pentanone (MIBK)	March-12	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
4-Methyl-2-pentanone (MIBK)	June-12	ug/l													<10										
4-Methyl-2-pentanone (MIBK)	October-12	ug/l	<10	<10		<10	<10	<10	<10	<10			<10	<10		<10	<10		<10						
4-Methyl-2-pentanone (MIBK)	March-13	ug/l	<10	<10		<10	<10	<10	<100	<10	<10		<10	<10	<10	<10	<10	<10	<10						
4-Methyl-2-pentanone (MIBK)	June-13	ug/l																			<10				
4-Methyl-2-pentanone (MIBK)	September-13	ug/l	<10	<10		<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10				
4-Methyl-2-pentanone (MIBK)	November-13	ug/l																			<10				
4-Methyl-2-pentanone (MIBK)	March-14	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10				
4-Methyl-2-pentanone (MIBK)	June-14	ug/l																		<10	<10				
4-Methyl-2-pentanone (MIBK)	September-14	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10				
4-Methyl-2-pentanone (MIBK)	December-14	ug/l															<10								
4-Methyl-2-pentanone (MIBK)	April-15	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10			<10	<10	<10	<10	<10	**0.455J**	<10				
4-Methyl-2-pentanone (MIBK)	October-15	ug/l	<0.22	<0.22		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22				<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22				
4-Methyl-2-pentanone (MIBK)	April-16	ug/l	<0.22	<0.22		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22			<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22				
4-Methyl-2-pentanone (MIBK)	October-16	ug/l													<0.22										
4-Methyl-2-pentanone (MIBK)	November-16	ug/l	<0.22	<0.22		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22				<0.22	<0.22	<0.22	<0.22	<0.22	<0.22				
4-Methyl-2-pentanone (MIBK)	March-17	ug/l	<0.22	<0.22		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22			<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22				
4-Methyl-2-pentanone (MIBK)	October-17	ug/L	<0.220	<0.220		<0.220	<0.220	<0.220	<0.220	<0.220	<0.220				<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220				
4-Methyl-2-pentanone (MIBK)	December-17	ug/L				<0.220					<0.220								<0.220		<0.220				
4-Methyl-2-pentanone (MIBK)	April-18	ug/L	<0.220	<0.220		<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220			<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220				
4-Methyl-2-pentanone (MIBK)	July-18	ug/L			<2.10							<2.10													
4-Methyl-2-pentanone (MIBK)	October-18	ug/L	<2.10	<2.10		<2.10	<2.10		<2.10						<2.10		<2.10								
4-Methyl-2-pentanone (MIBK)	November-18	ug/L			<2.10			<2.10		<2.10	<2.10	<2.10				<2.10		<2.10	<2.10	<2.10	<2.10				
4-Methyl-2-pentanone (MIBK)	January-19	ug/L			<2.10																				
4-Methyl-2-pentanone (MIBK)	March-19	ug/L	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10			<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10				
4-Methyl-2-pentanone (MIBK)	May-19	ug/L			<2.10															<2.10					
4-Methyl-2-pentanone (MIBK)	October-19	ug/L	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10			<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10				
4-Methyl-2-pentanone (MIBK)	March-20	ug/L	<2.10	<2.10		<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10			<2.10	<2.10	<2.10	<2.10	<2.10		<2.10				
4-Methyl-2-pentanone (MIBK)	April-20	ug/L			<2.10															<2.10					
4-Methyl-2-pentanone (MIBK)	September-20	ug/L	<2.10	<2.10	<2.10		<2.10	<2.10	<2.10	<2.10	<2.10	<2.10			<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10				
4-Methyl-2-pentanone (MIBK)	October-20	ug/L				<2.10																			
4-Methyl-2-pentanone (MIBK)	March-21	ug/L		<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10					<2.10	<2.10	<2.10				<2.10				
4-Methyl-2-pentanone (MIBK)	April-21	ug/L	<2.10								<2.10	<2.10						<2.10	<2.10	<2.10					
4-Methyl-2-pentanone (MIBK)	May-21	ug/L																<2.10							
4-Methyl-2-pentanone (MIBK)	August-21	ug/L																							
4-Methyl-2-pentanone (MIBK)	October-21	ug/L	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10			<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10				
4-Methyl-2-pentanone (MIBK)	December-21	ug/L																<2.10							
4-Methyl-2-pentanone (MIBK)	February-22	ug/L	<2.10																						<2.10
4-Methyl-2-pentanone (MIBK)	April-22	ug/L	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10			<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10				<2.10
4-Methyl-2-pentanone (MIBK)	July-22	ug/L																							<2.10
4-Methyl-2-pentanone (MIBK)	October-22	ug/L	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10				<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10				<2.10
4-Methyl-2-pentanone (MIBK)	April-23	ug/L	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10			<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10				<2.10
4-Methyl-2-pentanone (MIBK)	May-23	ug/L																							
4-Methyl-2-pentanone (MIBK)	October-23	ug/L	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10				<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10				<2.10
4-Nitroaniline	March-09	ug/l					<10	<10	<10																
4-Nitroaniline	June-09	ug/l				<10	<10	<10	<10	<10			<10												
4-Nitroaniline	September-09	ug/l				<10	<10	<10	<10	<10			<10												
4-Nitroaniline	December-09	ug/l				<10	<10	<10	<10	<10			<10												
4-Nitroaniline	March-10	ug/l				<10				<10			<10												

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
4-Nitroaniline	June-10	ug/l									<10														
4-Nitroaniline	August-10	ug/l									<10	<10													
4-Nitroaniline	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
4-Nitroaniline	December-10	ug/l									<10														
4-Nitroaniline	March-11	ug/l										<10		<10											
4-Nitroaniline	June-11	ug/l										<10		<10		<10	<10								
4-Nitroaniline	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
4-Nitroaniline	December-11	ug/l												<10		<10	<10								
4-Nitroaniline	March-12	ug/l														<10	<10								
4-Nitroaniline	December-14	ug/l															<10.2								
4-Nitroaniline	October-16	ug/l													<0.333										
4-Nitroaniline	November-16	ug/l						<0.32	<0.32	<0.348						<0.36	<0.356								
4-Nitroaniline	October-17	ug/L					<0.337																		
4-Nitroaniline	December-17	ug/L				<0.340					<0.333								<0.333		<0.333				
4-Nitroaniline	July-18	ug/L			<0.323							<0.333													
4-Nitroaniline	November-18	ug/L			<0.330							<0.333													
4-Nitroaniline	May-19	ug/L																		<0.323					
4-Nitroaniline	October-21	ug/L						<1.79	<1.79	<1.73						<1.77	<1.79								
4-Nitroaniline	December-21	ug/L																<1.79							
4-Nitroaniline	October-22	ug/L				<1.10	<1.10				<1.10								<1.10		<1.14				
4-Nitrophenol	March-09	ug/l					<10	<10	<10																
4-Nitrophenol	June-09	ug/l				<10	<10	<10	<10	<10			<10												
4-Nitrophenol	September-09	ug/l				<10	<10	<10	<10	<10			<10												
4-Nitrophenol	December-09	ug/l				<10	<10	<10	<10	<10			<10												
4-Nitrophenol	March-10	ug/l				<10				<10			<10												
4-Nitrophenol	June-10	ug/l									<10														
4-Nitrophenol	August-10	ug/l									<10	<10													
4-Nitrophenol	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
4-Nitrophenol	December-10	ug/l									<10														
4-Nitrophenol	March-11	ug/l										<10		<10											
4-Nitrophenol	June-11	ug/l										<10		<10		<10	<10								
4-Nitrophenol	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
4-Nitrophenol	December-11	ug/l												<10		<10	<10								
4-Nitrophenol	March-12	ug/l														<10	<10								
4-Nitrophenol	December-14	ug/l															<10.2								
4-Nitrophenol	October-16	ug/l													<0.125										
4-Nitrophenol	November-16	ug/l						<0.12	<0.12	<0.13						<0.135	<0.133								
4-Nitrophenol	October-17	ug/L					<0.126																		
4-Nitrophenol	December-17	ug/L				<0.128					<0.125								<0.125		<0.125				
4-Nitrophenol	July-18	ug/L			<1.39							<1.44													
4-Nitrophenol	November-18	ug/L			<1.42							<1.44													
4-Nitrophenol	May-19	ug/L																		<1.39					
4-Nitrophenol	October-21	ug/L						<2.63	<2.63	<2.55						<2.60	<2.63								
4-Nitrophenol	December-21	ug/L																<2.63							
4-Nitrophenol	October-22	ug/L				<6.44	<6.44				<6.44								<6.44		<6.67				
5-Nitro-o-toluidine	March-09	ug/l					<10	<10	<10																
5-Nitro-o-toluidine	June-09	ug/l				<10	<10	<10	<10	<10			<10												
5-Nitro-o-toluidine	September-09	ug/l				<10	<10	<10	<10	<10			<10												
5-Nitro-o-toluidine	December-09	ug/l				<10	<10	<10	<10	<10			<10												
5-Nitro-o-toluidine	March-10	ug/l				<10				<10			<10												
5-Nitro-o-toluidine	June-10	ug/l									<10														
5-Nitro-o-toluidine	August-10	ug/l									<10	<10													
5-Nitro-o-toluidine	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
5-Nitro-o-toluidine	December-10	ug/l									<10														
5-Nitro-o-toluidine	March-11	ug/l										<10		<10											
5-Nitro-o-toluidine	June-11	ug/l										<10		<10		<10	<10								
5-Nitro-o-toluidine	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
5-Nitro-o-toluidine	December-11	ug/l												<10		<10	<10								
5-Nitro-o-toluidine	March-12	ug/l														<10	<10								
5-Nitro-o-toluidine	December-14	ug/l															<10.2								
5-Nitro-o-toluidine	October-16	ug/l													<0.177										
5-Nitro-o-toluidine	November-16	ug/l						<0.17	<0.17	<0.185						<0.191	<0.189								
5-Nitro-o-toluidine	October-17	ug/L					<0.179																		
5-Nitro-o-toluidine	December-17	ug/L				<0.181					<0.177								<0.177		<0.177				
5-Nitro-o-toluidine	July-18	ug/L			<0.172							<0.177													

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
5-Nitro-o-toluidine	November-18	ug/L			<0.175							<0.177													
5-Nitro-o-toluidine	May-19	ug/L																		<0.172					
5-Nitro-o-toluidine	October-21	ug/L						<3.26	<3.26	<3.16						<3.23	<3.26								
5-Nitro-o-toluidine	December-21	ug/L																<3.26							
5-Nitro-o-toluidine	October-22	ug/L				<2.37	<2.37				<2.37								<2.37		<2.46				
7,12-Dimethylbenz(a)anthracene	October-17	ug/L					<0.263																		
7,12-Dimethylbenz(a)anthracene	December-17	ug/L				<0.266					<0.260								<0.260		<0.260				
7,12-Dimethylbenz(a)anthracene	July-18	ug/L										<0.260													
7,12-Dimethylbenz(a)anthracene	November-18	ug/L										<0.260													
7,12-Dimethylbenz(a)anthracene	May-19	ug/L																		<0.253					
7,12-Dimethylbenz(a)anthracene	October-21	ug/L						<0.968	<0.968	<0.939						<0.958	<0.968								
7,12-Dimethylbenz(a)anthracene	December-21	ug/L																<0.968							
7,12-Dimethylbenz(a)anthracene	October-22	ug/L				<1.61	<1.61				<1.61								<1.61		<1.67				
7,12-Dimethylbenz[a]anthracene	March-09	ug/l					<10	<10	<10																
7,12-Dimethylbenz[a]anthracene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
7,12-Dimethylbenz[a]anthracene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
7,12-Dimethylbenz[a]anthracene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
7,12-Dimethylbenz[a]anthracene	March-10	ug/l				<10				<10			<10												
7,12-Dimethylbenz[a]anthracene	June-10	ug/l									<10														
7,12-Dimethylbenz[a]anthracene	August-10	ug/l									<10	<10													
7,12-Dimethylbenz[a]anthracene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
7,12-Dimethylbenz[a]anthracene	December-10	ug/l									<10														
7,12-Dimethylbenz[a]anthracene	March-11	ug/l										<10		<10											
7,12-Dimethylbenz[a]anthracene	June-11	ug/l										<10		<10		<10	<10								
7,12-Dimethylbenz[a]anthracene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
7,12-Dimethylbenz[a]anthracene	December-11	ug/l												<10		<10	<10								
7,12-Dimethylbenz[a]anthracene	March-12	ug/l														<10	<10								
7,12-Dimethylbenz[a]anthracene	December-14	ug/l															<10.2								
7,12-Dimethylbenz[a]anthracene	October-16	ug/l													<0.26										
7,12-Dimethylbenz[a]anthracene	November-16	ug/l						<0.25	<0.25	<0.272						<0.281	<0.278								
7,12-Dimethylbenz[a]anthracene	July-18	ug/L			<0.253																				
7,12-Dimethylbenz[a]anthracene	November-18	ug/L			<0.258																				
Acenaphthene	March-09	ug/l					<10	<10	<10																
Acenaphthene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Acenaphthene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Acenaphthene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Acenaphthene	March-10	ug/l				<10				<10			<10												
Acenaphthene	June-10	ug/l									<10														
Acenaphthene	August-10	ug/l									<10	<10													
Acenaphthene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Acenaphthene	December-10	ug/l									<10														
Acenaphthene	March-11	ug/l										<10		<10											
Acenaphthene	June-11	ug/l										<10		<10		<10	<10								
Acenaphthene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Acenaphthene	December-11	ug/l												<10		<10	<10								
Acenaphthene	March-12	ug/l														<10	<10								
Acenaphthene	December-14	ug/l															<10.2								
Acenaphthene	October-16	ug/l													<0.313										
Acenaphthene	November-16	ug/l						<0.21	<0.3	<0.326						<0.337	<0.233								
Acenaphthene	October-17	ug/L					<0.316																		
Acenaphthene	December-17	ug/L				<0.319					<0.313								<0.313		<0.313				
Acenaphthene	July-18	ug/L			<0.303							<0.313													
Acenaphthene	November-18	ug/L			<0.309							<0.313													
Acenaphthene	May-19	ug/L																		<0.303					
Acenaphthene	October-21	ug/L						<1.37	<1.37	<1.33						<1.35	<1.37								
Acenaphthene	December-21	ug/L																<1.37							
Acenaphthene	October-22	ug/L				<0.542	<0.542				<0.542								<0.542		<0.561				
Acenaphthylene	October-17	ug/L					<0.221																		
Acenaphthylene	December-17	ug/L				<0.223					<0.219								<0.219		<0.219				
Acenaphthylene	July-18	ug/L			<0.586							<0.604													
Acenaphthylene	November-18	ug/L			<0.598							<0.604													
Acenaphthylene	May-19	ug/L																		<0.586					
Acenaphthylene	October-21	ug/L						<1.37	<1.37	<1.33						<1.35	<1.37								
Acenaphthylene	December-21	ug/L																<1.37							
Acenaphthylene	October-22	ug/L				<0.610	<0.610				<0.610								<0.610		<0.632				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Acetone	January-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
Acetone	March-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
Acetone	August-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
Acetone	September-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
Acetone	October-08	ug/l				<10	<10	<10	**8.21J**	<10	<10	<10	<10	<10											
Acetone	March-09	ug/l				<10	<10	**18.7**	<10	<10	<10	<10	<10	<10											
Acetone	June-09	ug/l				<50	<10	<10	<10	<10			<10												
Acetone	September-09	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
Acetone	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Acetone	March-10	ug/l				<10	<10	**16.8**	**11.4**	<10	<10	<10	<10	<10											
Acetone	June-10	ug/l									<10					<10	<10	<10	<10	<10					
Acetone	August-10	ug/l									<10	<10				<10	<10	<10	<10	<10					
Acetone	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
Acetone	December-10	ug/l									<10					<10	<10	<10	<10	<10					
Acetone	March-11	ug/l		<10		<10	<10	<10	<100	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
Acetone	April-11	ug/l				<10		<10	<100	<10							<10								
Acetone	June-11	ug/l		<10								<10		<10		<10	<10								
Acetone	July-11	ug/l	<10																						
Acetone	August-11	ug/l		<10																					
Acetone	September-11	ug/l	<10	<10		<10	<10	<10	<100	<10	<10		<10	<10		<10	<10	<10	<10	<10					
Acetone	December-11	ug/l	<10	<10										<10		<20	<10								
Acetone	March-12	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
Acetone	June-12	ug/l													<10										
Acetone	October-12	ug/l	<10	<10		<10	<10	<10	<10	<10			<10	<10		<10	<10		<10						
Acetone	March-13	ug/l	<10	<10		<10	<10	<10	<100	<10	<10		<10	<10	<10	<10	<10	<10	<10						
Acetone	June-13	ug/l																			**2.57J**				
Acetone	September-13	ug/l	**2.62J**	<10		<10	**2.9J**	<10	**3.55J**	**1.79J**	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10				
Acetone	November-13	ug/l																			<10				
Acetone	March-14	ug/l	<10	<10		<10	<10	<10	**11.4**	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10				
Acetone	June-14	ug/l																		<10	<10				
Acetone	September-14	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10				
Acetone	December-14	ug/l															<10								
Acetone	April-15	ug/l	**3.63J**	<10		<10	<10	<10	**4.49J**	**2.63J**	<10	<10			<10	<10	**3.58J**	<10	**1.98J**	<10	<10				
Acetone	October-15	ug/l	<1.79	<1.79		<1.79	<1.79	<1.79	<1.79	<1.79	<1.79				<1.79	<1.79	<1.79	<1.79	<1.79	<1.79	<1.79				
Acetone	April-16	ug/l	**3.17J**	<1.79		**2.27J**	<1.79	**4.36J**	**4.08J**	**2.51J**	<1.79	<1.79			<1.79	**1.88J**	**2.43J**	<1.79	<1.79	<1.79	<1.79				
Acetone	October-16	ug/l													<1.79										
Acetone	November-16	ug/l	**4.8J**	<1.79		<1.79	<1.79	**3.12J**	**7.69J**	<1.79	<1.79	**1.83J**				<1.79	**1.87J**	<1.79	<1.79	<1.79	<1.79				
Acetone	March-17	ug/l	**11.2**	**3.28J**		**3.03J**	**3.38J**	**4.14J**	**5.8J**	**4.92J**	**2.47J**	**2.33J**			<1.79	**3.27J**	**2.03J**	**2.82J**	<1.79	<1.79	<1.79				
Acetone	June-17	ug/l	**14.8**																						
Acetone	October-17	ug/L	**14.4**	**4.47J**		**6.6J**	**1.98J**	**4.65J**	**8.95J**	**3.06J**	**4.01J**				**4.08J**	**2.96J**	**5.06J**	**3.16J**	**10.6**	**3.61J**	**3.92J**				
Acetone	December-17	ug/L				<1.79					<1.79								<1.79		<1.79				
Acetone	April-18	ug/L	**5.77J**	<1.79		<1.79	<1.79	**2.83J**	**5.6J**	**5.7J**	<1.79	<1.79			<1.79	<1.79	<1.79	<1.79	<1.79	<1.79	<1.79				
Acetone	July-18	ug/L			**29.9**							<3.10													
Acetone	October-18	ug/L	**3.72J**	<3.10		<3.10	<3.10		**4.14J**						<3.10		<3.10								
Acetone	November-18	ug/L			<3.10			<3.10		<3.10	**3.53J**	<3.10				<3.10		<3.10	**3.21J**	<3.10	<3.10				
Acetone	January-19	ug/L			<3.10																				
Acetone	March-19	ug/L	**11.6**	<3.10	<3.10	<3.10	<3.10	**4.22J**	**9.29**	<3.10	**3.14J**	<3.10			<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10				
Acetone	May-19	ug/L	**3.19J**		<3.10															<3.10					
Acetone	October-19	ug/L	**6.09J**	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10			<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10				
Acetone	March-20	ug/L	**5.23J**	<3.10		<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	**4.46J**			<3.10	<3.10	<3.10	<3.10	<3.10		<3.10				
Acetone	April-20	ug/L			<3.10															<3.10					
Acetone	September-20	ug/L	**4.46J**	<3.10	<3.10		<3.10	<3.10	**3.83J**	<3.10	<3.10	<3.10			<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10				
Acetone	October-20	ug/L				<3.10																			
Acetone	March-21	ug/L		<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10					<3.10	<3.10	<3.10				<3.10				
Acetone	April-21	ug/L	<3.10								<3.10	**12**						<3.10	<3.10	<3.10					
Acetone	May-21	ug/L																<3.10							
Acetone	August-21	ug/L																							
Acetone	October-21	ug/L	**40.6**	<3.10	<3.10	**3.65J**	<3.10	<3.10	**5.78J**	<3.10	<3.10	<3.10			<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10				
Acetone	December-21	ug/L	**5.43J**															<3.10							
Acetone	February-22	ug/L	<3.10																						<3.10
Acetone	April-22	ug/L	**3.26J**	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	**271**			<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10				<3.10
Acetone	July-22	ug/L																							<3.10
Acetone	October-22	ug/L	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10				<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10				<3.10
Acetone	April-23	ug/L	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10			<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10				<3.10
Acetone	May-23	ug/L																							

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Acetone	October-23	ug/L	**4.04J**	<3.10	<3.10	<3.10	<3.10	<3.10	**3.64J**	<3.10	<3.10				<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10				<3.10
Acetonitrile	March-09	mg/l					<10	<10	<10																
Acetonitrile	June-09	mg/l				<10	<10	<10	<10	<10			<10												
Acetonitrile	September-09	mg/l				<10	<10	<10	<10	<10			<10												
Acetonitrile	December-09	mg/l				<10	<10	<10	<10	<10			<10												
Acetonitrile	March-10	mg/l				<10				<10			<10												
Acetonitrile	June-10	mg/l									<10														
Acetonitrile	August-10	mg/l									<10	<10													
Acetonitrile	September-10	mg/l				<10	<10	<10	<10	<10	<10	<10	<10												
Acetonitrile	December-10	mg/l									<10														
Acetonitrile	March-11	mg/l										<10		<10											
Acetonitrile	June-11	mg/l										<10		<10		<10	<10								
Acetonitrile	September-11	mg/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Acetonitrile	December-11	mg/l												<10		<10	<10								
Acetonitrile	March-12	mg/l														<10	<10								
Acetonitrile	December-14	mg/l															<10								
Acetonitrile	October-16	mg/l													<0.126										
Acetonitrile	November-16	mg/l						<0.126	<0.126	<0.126						<0.126	<0.126								
Acetonitrile	October-17	mg/L					<0.126																		
Acetonitrile	December-17	mg/L				<0.126					<0.126								<0.126		<0.126				
Acetonitrile	July-18	mg/L			<0.126							<0.126													
Acetonitrile	November-18	mg/L			<0.126							<0.126													
Acetonitrile	May-19	mg/L																		<0.126					
Acetonitrile	October-21	mg/L						<0.404	<0.404	<0.404						<0.404	<0.404								
Acetonitrile	December-21	mg/L																<0.404							
Acetonitrile	October-22	mg/L				<0.404	<0.404				<0.404								<0.404		<0.404				
Acetophenone	March-09	ug/l					<10	<10	<10																
Acetophenone	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Acetophenone	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Acetophenone	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Acetophenone	March-10	ug/l				<10				<10			<10												
Acetophenone	June-10	ug/l									<10														
Acetophenone	August-10	ug/l									<10	<10													
Acetophenone	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Acetophenone	December-10	ug/l									<10														
Acetophenone	March-11	ug/l										<10		<10											
Acetophenone	June-11	ug/l										<10		<10		<10	<10								
Acetophenone	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Acetophenone	December-11	ug/l												<10		<10	<10								
Acetophenone	March-12	ug/l														<10	<10								
Acetophenone	December-14	ug/l															<10.2								
Acetophenone	October-16	ug/l													<0.229										
Acetophenone	November-16	ug/l						<0.22	<0.22	<0.239						<0.247	<0.244								
Acetophenone	October-17	ug/L					<0.232																		
Acetophenone	December-17	ug/L				<0.234					<0.229								<0.229		<0.229				
Acetophenone	July-18	ug/L			<0.354							<0.365													
Acetophenone	November-18	ug/L			<0.361							<0.365													
Acetophenone	May-19	ug/L																		<0.354					
Acetophenone	October-21	ug/L						<3.16	<3.16	<3.06						<3.13	<3.16								
Acetophenone	December-21	ug/L																<3.16							
Acetophenone	October-22	ug/L				<0.585	<0.585				<0.585								<0.585		<0.605				
Acrolein	March-09	ug/l					<10	<10	<10																
Acrolein	June-09	ug/l				<50	<10	<10	<10	<10			<10												
Acrolein	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Acrolein	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Acrolein	March-10	ug/l				<10	<10	<10	<10	<10			<10												
Acrolein	June-10	ug/l									<10														
Acrolein	August-10	ug/l									<10	<10													
Acrolein	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Acrolein	December-10	ug/l									<10														
Acrolein	March-11	ug/l				<10	<10	<10	<100	<10	<10	<10	<10	<10											
Acrolein	April-11	ug/l				<10		<10	<100	<10							<10								
Acrolein	June-11	ug/l										<10		<10		<10	<10								
Acrolein	September-11	ug/l				<10	<10	<10	<100	<10	<10		<10	<10		<10	<10								
Acrolein	December-11	ug/l												<10		<10	<10								

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Acrolein	March-12	ug/l											<10			<10	<10								
Acrolein	December-14	ug/l															<10								
Acrolein	October-16	ug/l													<1.5										
Acrolein	November-16	ug/l						<1.5	<1.5	<1.5						<1.5	<1.5								
Acrolein	October-17	ug/L					<1.50																		
Acrolein	December-17	ug/L				<1.50					<1.50								<1.50		<1.50				
Acrolein	July-18	ug/L			<3.60							<3.60													
Acrolein	November-18	ug/L			<3.60							<3.60													
Acrolein	May-19	ug/L																		<3.60					
Acrolein	October-21	ug/L						<3.60	<3.60	<3.60						<3.60	<3.60								
Acrolein	December-21	ug/L																<3.60							
Acrolein	October-22	ug/L				<3.60	<3.60				<3.60								<3.60		<3.60				
Acrylonitrile	January-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
Acrylonitrile	March-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
Acrylonitrile	August-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
Acrylonitrile	September-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
Acrylonitrile	October-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
Acrylonitrile	March-09	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
Acrylonitrile	June-09	ug/l				<50	<10	<10	<10	<10			<10												
Acrylonitrile	September-09	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
Acrylonitrile	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Acrylonitrile	March-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
Acrylonitrile	June-10	ug/l									<10					<10	<10	<10	<10	<10					
Acrylonitrile	August-10	ug/l									<10	<10				<10	<10	<10	<10	<10					
Acrylonitrile	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
Acrylonitrile	December-10	ug/l									<10					<10	<10	<10	<10	<10					
Acrylonitrile	March-11	ug/l		<10		<10	<10	<10	<100	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
Acrylonitrile	April-11	ug/l				<10		<10	<100	<10							<10								
Acrylonitrile	June-11	ug/l		<10								<10		<10		<10	<10								
Acrylonitrile	July-11	ug/l	<10																						
Acrylonitrile	August-11	ug/l		<10																					
Acrylonitrile	September-11	ug/l	<10	<10		<10	<10	<10	<100	<10	<10		<10	<10		<10	<10	<10	<10	<10					
Acrylonitrile	December-11	ug/l	<10	<10										<10		<10	<10								
Acrylonitrile	March-12	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
Acrylonitrile	June-12	ug/l													<10										
Acrylonitrile	October-12	ug/l	<10	<10		<10	<10	<10	<10	<10			<10	<10		<10	<10		<10						
Acrylonitrile	March-13	ug/l	<10	<10		<10	<10	<10	<100	<10	<10		<10	<10	<10	<10	<10	<10	<10						
Acrylonitrile	June-13	ug/l																			<10				
Acrylonitrile	September-13	ug/l	<10	<10		<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10				
Acrylonitrile	November-13	ug/l																			<10				
Acrylonitrile	March-14	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10				
Acrylonitrile	June-14	ug/l																		<10	<10				
Acrylonitrile	September-14	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10				
Acrylonitrile	December-14	ug/l															<10								
Acrylonitrile	April-15	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10			<10	<10	<10	<10	<10	<10	<10				
Acrylonitrile	October-15	ug/l	<0.53	<0.53		<0.53	<0.53	<0.53	<0.53	<0.53	<0.53				<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53				
Acrylonitrile	April-16	ug/l	<0.53	<0.53		<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53			<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53				
Acrylonitrile	October-16	ug/l													<0.53										
Acrylonitrile	November-16	ug/l	<0.53	<0.53		<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53				<0.53	<0.53	<0.53	<0.53	<0.53	<0.53				
Acrylonitrile	March-17	ug/l	<0.53	<0.53		<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53			<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53				
Acrylonitrile	October-17	ug/L	<0.530	<0.530		<0.530	<0.530	<0.530	<0.530	<0.530	<0.530				<0.530	<0.530	<0.530	<0.530	<0.530	<0.530	<0.530				
Acrylonitrile	December-17	ug/L				<0.530					<0.530								<0.530		<0.530				
Acrylonitrile	April-18	ug/L	<0.530	<0.530		<0.530	<0.530	<0.530	<0.530	<0.530	<0.530	<0.530			<0.530	<0.530	<0.530	<0.530	<0.530	<0.530	<0.530				
Acrylonitrile	July-18	ug/L			<2.20							<2.20													
Acrylonitrile	October-18	ug/L	<2.20	<2.20		<2.20	<2.20		<2.20						<2.20		<2.20								
Acrylonitrile	November-18	ug/L			<2.20			<2.20		<2.20	<2.20	<2.20				<2.20		<2.20	<2.20	<2.20	<2.20				
Acrylonitrile	January-19	ug/L			<2.20																				
Acrylonitrile	March-19	ug/L	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20			<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20				
Acrylonitrile	May-19	ug/L			<2.20															<2.20					
Acrylonitrile	October-19	ug/L	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20			<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20				
Acrylonitrile	March-20	ug/L	<2.20	<2.20		<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20			<2.20	<2.20	<2.20	<2.20	<2.20		<2.20				
Acrylonitrile	April-20	ug/L			<2.20															<2.20					
Acrylonitrile	September-20	ug/L	<2.20	<2.20	<2.20		<2.20	<2.20	<2.20	<2.20	<2.20	<2.20			<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20				
Acrylonitrile	October-20	ug/L				<2.20																			
Acrylonitrile	March-21	ug/L		<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20					<2.20	<2.20	<2.20				<2.20				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Acrylonitrile	April-21	ug/L	<2.20								<2.20	<2.20						<2.20	<2.20	<2.20					
Acrylonitrile	May-21	ug/L																<2.20							
Acrylonitrile	August-21	ug/L																							
Acrylonitrile	October-21	ug/L	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20			<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20				
Acrylonitrile	December-21	ug/L																<2.20							
Acrylonitrile	February-22	ug/L	<2.20																						<2.20
Acrylonitrile	April-22	ug/L	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20			<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20				<2.20
Acrylonitrile	July-22	ug/L																							<2.20
Acrylonitrile	October-22	ug/L	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20				<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20				<2.20
Acrylonitrile	April-23	ug/L	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20			<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20				<2.20
Acrylonitrile	May-23	ug/L																							
Acrylonitrile	October-23	ug/L	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20				<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20				<2.20
Aldrin	March-09	ug/l					<0.032	<0.032	<0.032																
Aldrin	June-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Aldrin	September-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Aldrin	December-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Aldrin	March-10	ug/l				<0.032				<0.032			<0.032												
Aldrin	June-10	ug/l									<0.032														
Aldrin	August-10	ug/l									<0.032	<0.032													
Aldrin	September-10	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032												
Aldrin	December-10	ug/l									<0.032														
Aldrin	March-11	ug/l					<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032											
Aldrin	June-11	ug/l										<0.032		<0.032		<0.0392	<0.032								
Aldrin	September-11	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032		<0.032	<0.032		<0.032	<0.032								
Aldrin	December-11	ug/l												<0.032		<0.032	<0.032								
Aldrin	March-12	ug/l														<0.032	<0.032								
Aldrin	December-14	ug/l															<0.0352								
Aldrin	October-16	ug/l													<0.00469										
Aldrin	November-16	ug/l						<0.00464	<0.0045	<0.00484						<0.00464	<0.00464								
Aldrin	October-17	ug/L					**0.00915J**																		
Aldrin	December-17	ug/L				<0.00469					<0.00469								<0.00469		<0.00469				
Aldrin	July-18	ug/L			<0.00455							<0.00469													
Aldrin	November-18	ug/L			<0.00464							**0.00708J**													
Aldrin	May-19	ug/L																		<0.00459					
Aldrin	October-21	ug/L						<0.0126	<0.0126	<0.0126						<0.0126	<0.0126								
Aldrin	December-21	ug/L																<0.0126							
Aldrin	October-22	ug/L				<0.0271	<0.0281				<0.0271								<0.0291		<0.0271				
Aldrin	April-23	ug/L								<0.0320								<0.0320							
Allyl Chloride	March-09	ug/l					<2	<2	<2																
Allyl Chloride	June-09	ug/l				<10	<2	<2	<2	<2			<2												
Allyl Chloride	September-09	ug/l				<2	<2	<2	<2	<2			<2												
Allyl Chloride	December-09	ug/l				<2	<2	<2	<2	<2			<2												
Allyl Chloride	March-10	ug/l				<2	<2	<2	<2	<2			<2												
Allyl Chloride	June-10	ug/l									<10														
Allyl Chloride	August-10	ug/l									<2	<2													
Allyl Chloride	September-10	ug/l				<2	<2	<2	<2	<2	<2	<2	<2												
Allyl Chloride	December-10	ug/l									<10														
Allyl Chloride	March-11	ug/l				<5	<4	<4	<50	<4	<4	<4	<4	<4											
Allyl Chloride	April-11	ug/l				<5		<5	<50	<5							<5								
Allyl Chloride	June-11	ug/l										<4		<4		<4	<4								
Allyl Chloride	September-11	ug/l				<2	<2	<2	<20	<2	<2		<2	<2		<2	<2								
Allyl Chloride	December-11	ug/l												<2		<2	<2								
Allyl Chloride	March-12	ug/l											<2			<2	<2								
Allyl Chloride	December-14	ug/l															<2								
Allyl Chloride	October-16	ug/l													<0.27										
Allyl Chloride	November-16	ug/l						<0.27	<0.27	<0.27						<0.27	<0.27								
Allyl chloride	October-17	ug/L					<0.270																		
Allyl chloride	December-17	ug/L				<0.270					<0.270								<0.270		<0.270				
Allyl chloride	July-18	ug/L			<0.700							<0.700													
Allyl chloride	November-18	ug/L			<0.700							<0.700													
Allyl chloride	May-19	ug/L																		<0.700					
Allyl chloride	October-21	ug/L						<0.700	<0.700	<0.700						<0.700	<0.700								
Allyl chloride	December-21	ug/L																<0.700							
Allyl chloride	October-22	ug/L				<0.700	<0.700				<0.700								<0.700		<0.700				
Aluminum	February-22	mg/L	<0.0170																						**0.0226J**

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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Ammonia	February-22	mg/L	**2.01**																						**1.41**
Anthracene	March-09	ug/l					<10	<10	<10																
Anthracene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Anthracene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Anthracene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Anthracene	March-10	ug/l				<10				<10			<10												
Anthracene	June-10	ug/l									<10														
Anthracene	August-10	ug/l									<10	<10													
Anthracene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Anthracene	December-10	ug/l									<10														
Anthracene	March-11	ug/l										<10		<10											
Anthracene	June-11	ug/l										<10		<10		<10	<10								
Anthracene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Anthracene	December-11	ug/l												<10		<10	<10								
Anthracene	March-12	ug/l														<10	<10								
Anthracene	December-14	ug/l															<10.2								
Anthracene	October-16	ug/l													<0.177										
Anthracene	November-16	ug/l						<0.17	<0.17	<0.185						<0.191	<0.189								
Anthracene	October-17	ug/L					<0.179																		
Anthracene	December-17	ug/L				<0.181					<0.177								<0.177		<0.177				
Anthracene	July-18	ug/L			<0.172							<0.177													
Anthracene	November-18	ug/L			<0.175							<0.177													
Anthracene	May-19	ug/L																		<0.172					
Anthracene	October-21	ug/L						<1.16	<1.16	<1.12						<1.15	<1.16								
Anthracene	December-21	ug/L																<1.16							
Anthracene	October-22	ug/L				<0.737	<0.737				<0.737								<0.737		<0.763				
Antimony	January-08	mg/l				<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006											
Antimony	March-08	mg/l				<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006											
Antimony	August-08	mg/l				<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006											
Antimony	September-08	mg/l				<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006											
Antimony	October-08	mg/l				<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006											
Antimony	March-09	mg/l				<0.006	<0.006	<0.012	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006											
Antimony	June-09	mg/l				<0.006	<0.006	<0.006	<0.006	<0.006			<0.006												
Antimony	September-09	mg/l				<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006											
Antimony	December-09	mg/l				<0.006	<0.006	<0.006	<0.006	<0.006			<0.006												
Antimony	March-10	mg/l				<0.006	<0.03	<0.03	<0.006	<0.006	<0.006	<0.012	<0.006	<0.006											
Antimony	June-10	mg/l									<0.006					<0.006	<0.006	<0.006	<0.006	<0.006					
Antimony	August-10	mg/l									<0.006	<0.006				<0.006	<0.006	<0.006	<0.006	<0.006					
Antimony	September-10	mg/l				**0.0118**	**0.00863**	**0.00913**	<0.006	<0.006	**0.0107**	**0.0192**	<0.006	**0.00859**		<0.006	**0.0111**	**0.00962**	<0.006	<0.006					
Antimony	December-10	mg/l									<0.006					<0.006	<0.006	<0.006	<0.006	<0.006					
Antimony	March-11	mg/l		<0.006		<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006		<0.006	<0.006	<0.006	<0.006	<0.006					
Antimony	June-11	mg/l		<0.006								<0.006		<0.006		<0.006	<0.006								
Antimony	July-11	mg/l	<0.006																						
Antimony	August-11	mg/l		<0.006																					
Antimony	September-11	mg/l	<0.006	<0.006		<0.006	<0.006	<0.006	<0.006	<0.006	<0.006		<0.006	<0.006		<0.006	<0.006	<0.006	<0.006	<0.006					
Antimony	December-11	mg/l	<0.006	<0.006										<0.006		<0.006	<0.006								
Antimony	March-12	mg/l	<0.006	<0.006		<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006		<0.006	<0.006	<0.006	<0.006	<0.006					
Antimony	April-12	mg/l													<0.006										
Antimony	June-12	mg/l													<0.012										
Antimony	October-12	mg/l	<0.012	<0.006		<0.012	<0.006	<0.006	<0.006	<0.006			<0.012	<0.006	<0.006	<0.012	<0.006		<0.006						
Antimony	March-13	mg/l	<0.006	<0.006		**0.000674J**	**0.00349J**	<0.006	<0.006	<0.006	<0.006		<0.006	<0.006	<0.006	<0.006	**0.00165J**	**0.00144J**	<0.006						
Antimony	June-13	mg/l																			<0.006				
Antimony	September-13	mg/l	**0.00192J**	<0.006		**0.00195J**	**0.00743**	**0.00196J**	**0.00206J**	**0.00298J**	**0.003J**		**0.00231J**	<0.006	<0.006	<0.006	**0.0045J**	**0.00181J**	**0.00119J**	**0.00134J**	<0.006				
Antimony	November-13	mg/l																			<0.006				
Antimony	March-14	mg/l	<0.006	<0.012		<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.012		<0.006				
Antimony	June-14	mg/l																		<0.006	**0.00373J**				
Antimony	September-14	mg/l	<0.001	<0.001		<0.001	<0.001	<0.001	**0.000185J**	<0.001	**0.000178J**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				
Antimony	December-14	mg/l															<0.001								
Antimony	April-15	mg/l	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			**0.000486J**	**0.000228J**	<0.001	<0.001	<0.001	<0.001	<0.001				
Antimony	October-15	mg/l	<0.000161	**0.000192J**		<0.000161	<0.000161	<0.000161	**0.000216J**	<0.000237	<0.00161				<0.00161	<0.000237	<0.000237	<0.000161	<0.000237	<0.00161	<0.000237				
Antimony	April-16	mg/l	<0.000237	<0.000237		**0.00035J**	<0.000237	<0.000237	<0.000237	<0.000237	<0.000237	<0.000237			**0.000689J**	<0.000237	<0.000237	<0.000237	<0.000237	<0.000237	<0.000237				
Antimony	October-16	mg/l													**0.000688J**										
Antimony	November-16	mg/l	<0.000237	<0.000237		<0.000237	<0.000237	<0.000237	<0.000237	<0.000237	<0.000237	<0.000237				<0.000237	<0.000237	<0.000237	<0.000237	<0.000237	<0.000237				
Antimony	March-17	mg/l	<0.000185	<0.000185		<0.000185	<0.000185	**0.000291J**	<0.000185	<0.000185	<0.000185	<0.000185			**0.000373J**	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185				
Antimony	October-17	mg/L	<0.000185	**0.000222J**		<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185				**0.000433J**	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185				

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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Antimony	December-17	mg/L				0.000266J					<0.000185								<0.000185		<0.000185				
Antimony	April-18	mg/L	<0.000420	<0.000420		<0.000420	<0.000420	<0.000420	<0.000420	<0.000420	<0.000420	<0.000420			0.00129	<0.000420	<0.000420	<0.000420	<0.000420	<0.000420	<0.000420				
Antimony	July-18	mg/L			<0.000420							<0.000420													
Antimony	October-18	mg/L	<0.000420	<0.000420		<0.000420	<0.000420		0.0579						0.0023		<0.000420								
Antimony	November-18	mg/L			0.000619J			<0.000420		<0.000420	0.00073J	<0.000420				<0.000420		<0.000420	<0.000420	<0.000420	<0.000420				
Antimony	January-19	mg/L			<0.000420																				
Antimony	March-19	mg/L	<0.000530	<0.000530	<0.000530	<0.000530	<0.000530	<0.000530	<0.000530	<0.000530	<0.000530	<0.000530			<0.000530	<0.000530	<0.000530	<0.000530	<0.000530	<0.000530	<0.000530				
Antimony	May-19	mg/L			<0.00132															<0.00132					
Antimony	October-19	mg/L	<0.000530	<0.000530	0.00165	<0.000530	<0.000530	<0.000530	<0.000530	<0.000530	<0.000530	<0.000530			0.00152	<0.000530	<0.000530	<0.000530	<0.000530	<0.000530	<0.000530				
Antimony	March-20	mg/L	<0.000580	<0.000580		<0.000580	<0.000580	<0.000580	<0.000580	<0.000580	<0.000580	<0.000580			0.000743J	<0.000580	<0.000580	<0.000580	<0.000580		<0.000580				
Antimony	April-20	mg/L			<0.000580															<0.000580					
Antimony	September-20	mg/L	<0.000510	<0.000510	<0.000510		<0.000510	<0.000510	<0.000510	<0.000510	<0.000510	<0.000510			0.00115	0.00113	<0.000510	<0.000510	<0.000510	<0.000510	<0.000510				
Antimony	October-20	mg/L				<0.000510																			
Antimony	November-20	mg/L	<0.000510																						
Antimony	December-20	mg/L	<0.000510																						
Antimony	March-21	mg/L		<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110					0.00189J	<0.00110	<0.00110				<0.00110				
Antimony	April-21	mg/L	<0.00110								<0.00110	<0.00110						<0.00110	<0.00110	<0.00110					
Antimony	May-21	mg/L																<0.00110							
Antimony	August-21	mg/L																							
Antimony	October-21	mg/L	<0.00110	0.00111J	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110			<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110				
Antimony	December-21	mg/L																<0.00110							
Antimony	February-22	mg/L	<0.000690																						<0.000690
Antimony	April-22	mg/L	<0.000690	<0.000690	<0.000690	<0.000690	<0.000690	<0.000690	<0.000690	<0.000690	<0.000690	<0.000690			0.00109J	0.000937J	<0.000690	<0.00483	<0.000690	<0.000690	<0.000690				<0.000690
Antimony	July-22	mg/L																							<0.000690
Antimony	October-22	mg/L	<0.000690	<0.000690	<0.000690	<0.000690	<0.000690	<0.000690	<0.000690	<0.000690	<0.000690				<0.000690	<0.000690	<0.000690	<0.000690	<0.000690	<0.000690	<0.000690				<0.000690
Antimony	April-23	mg/L	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100			<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100				<0.00100
Antimony	May-23	mg/L																							
Antimony	October-23	mg/L	<0.00100	<0.00100	<0.00100	<0.00100	0.00193J	<0.00100	<0.00100	<0.00100	<0.00100				0.0011J	<0.00100	0.00192J	<0.00100	<0.00100	<0.00100	<0.00100				<0.00100
Antimony, Dissolved	December-20	mg/L	0.000573																						
Arsenic	January-08	mg/l				0.00161	<0.001	0.00501	0.0126	0.00315	0.0082	0.00108	0.0148	0.0038											
Arsenic	March-08	mg/l				<0.001	<0.003	0.00203	0.0055	<0.001	<0.001	<0.001	0.00146	<0.001											
Arsenic	August-08	mg/l				0.00147	<0.001	0.0062	0.00798	0.00443	0.00242	<0.001	0.00769	0.00191											
Arsenic	September-08	mg/l				0.00183	<0.001	0.00715	0.0117	0.00303	<0.001	<0.001	<0.001	<0.001											
Arsenic	October-08	mg/l				<0.005	<0.005	<0.005	0.0078	<0.005	<0.005	<0.001	0.00131	<0.001											
Arsenic	March-09	mg/l				0.00247	0.00107	0.00791	0.0103	0.00264	<0.001	<0.001	0.00105	<0.001											
Arsenic	June-09	mg/l				0.00481	0.00172	0.0107	0.0128	0.00444			0.00354												
Arsenic	September-09	mg/l				0.00211	0.00125	0.00743	0.00848	0.004	0.00338	0.00104	0.00333	<0.001											
Arsenic	December-09	mg/l				0.00215	<0.001	0.0104	0.0102	0.00408			<0.001												
Arsenic	March-10	mg/l				<0.001	<0.004	0.005	0.00614	0.00277	<0.001	<0.004	<0.001	<0.004											
Arsenic	June-10	mg/l									<0.001					0.0123	0.00448	<0.001	<0.001	<0.001					
Arsenic	August-10	mg/l									<0.001	<0.001				0.0166	0.00352	<0.001	<0.001	<0.001					
Arsenic	September-10	mg/l				<0.004	<0.008	0.00862	0.0139	<0.003	<0.001	<0.001	<0.001	<0.001		0.0188	<0.003	<0.001	<0.001	<0.001					
Arsenic	December-10	mg/l									<0.003					0.0135	0.00734	<0.001	<0.001	<0.001					
Arsenic	March-11	mg/l		<0.001		<0.001	<0.002	0.00409	0.00567	<0.001	<0.002	<0.03	<0.001	<0.002		0.0052	0.00442	<0.001	<0.04	<0.001					
Arsenic	June-11	mg/l		<0.001								<0.004		<0.001		0.0122	0.00398								
Arsenic	July-11	mg/l	0.00227																						
Arsenic	August-11	mg/l		<0.001																					
Arsenic	September-11	mg/l	0.0133	<0.001		<0.001	<0.001	0.00683	0.00838	0.00251	<0.002		<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001					
Arsenic	December-11	mg/l	0.0103	<0.001										<0.002		0.00877	0.00599								
Arsenic	March-12	mg/l	0.0106	0.00228		<0.001	<0.002	0.00636	0.00376	<0.001	<0.006	<0.003	<0.001	<0.002		0.0101	0.005	<0.001	<0.002	<0.001					
Arsenic	April-12	mg/l													0.0434										
Arsenic	June-12	mg/l													0.0221										
Arsenic	October-12	mg/l	0.011	<0.001		0.00126	<0.001	0.00762	0.0121	0.00177			<0.001	<0.001	0.00138	0.0174	0.00921		0.00144						
Arsenic	March-13	mg/l	0.000711J	<0.001		<0.001	<0.001	0.00755	0.0117	0.00122	<0.001		<0.001	<0.001	0.0314	<0.001	0.006	<0.001	0.00274						
Arsenic	June-13	mg/l																			0.00117				
Arsenic	September-13	mg/l	0.0232	<0.001		0.0019	0.000276J	0.0107	0.0112	0.00134	<0.001		<0.001	<0.001	0.0237	0.00847	0.00703	0.0017	<0.001	0.000214J	0.00215				
Arsenic	November-13	mg/l																			0.0046				
Arsenic	March-14	mg/l	0.00942	<0.001		<0.001	<0.002	0.0037	0.00626	<0.001	<0.002	<0.002	0.000205J	<0.002	0.00272	<0.001	0.00631	<0.001	<0.001		<0.001				
Arsenic	June-14	mg/l																		<0.001	0.00511				
Arsenic	September-14	mg/l	0.0112	<0.002		0.0019J	0.00128J	0.00579	0.0105	0.00309	<0.002	<0.002	0.00265	<0.002	0.00221	<0.002	0.00882	<0.002	<0.002	<0.002	0.00102J				
Arsenic	December-14	mg/l															0.0119								
Arsenic	April-15	mg/l	0.00215	<0.002		0.00187J	0.00136J	0.00656	0.00943	0.00224	<0.002	<0.002			0.00116J	<0.002	0.0108	<0.002	<0.002	<0.002	<0.002				
Arsenic	October-15	mg/l	0.0242	<0.000945		0.00328	0.00233	0.0125	0.0136	0.00465	<0.000945				<0.000945	0.00374	0.0101	<0.000945	<0.000672	<0.000945	<0.000672				
Arsenic	April-16	mg/l	0.00226	<0.000672		0.00131J	0.000864J	0.00485	0.008725	0.00306	<0.000672	<0.000672			0.000805J	<0.000672	0.0099	<0.000672	<0.000672	<0.000672	<0.000672				
Arsenic	October-16	mg/l													0.000693J										

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Arsenic	November-16	mg/l	0.00824	<0.000672		0.0184	0.00413	0.0143	0.00978	0.00328	0.000682J	<0.000672				0.00458	0.00917	0.00118J	<0.000672	0.000729J	0.00115J				
Arsenic	March-17	mg/l	0.0042	0.00216		0.00348	0.000967J	0.00322	0.00534	0.0028	<0.000505	<0.000505			0.000538J	0.00149J	0.00437	<0.000505	<0.000505	<0.000505	<0.000505				
Arsenic	June-17	mg/l	0.00713	0.00385		0.00271																			
Arsenic	October-17	mg/L	0.00447	0.00117J		0.00473	0.00193J	0.00673	0.00689	0.0034	0.000832J				0.00103J	0.0032	0.00807	<0.000505	<0.000505	<0.000505	<0.000505				
Arsenic	December-17	mg/L				0.00751					0.000537J								0.000828J		<0.000505				
Arsenic	April-18	mg/L	0.00238	0.00191J		0.002	0.000801J	0.00841	0.00424	0.00282	0.000571J	<0.000570			0.00111J	0.000774J	0.00525	<0.000570	0.000602J	<0.000570	<0.000570				
Arsenic	July-18	mg/L			0.00147J							<0.000570													
Arsenic	October-18	mg/L	0.0046	<0.000570		0.00368	0.0015J		<0.000570						0.00166J		0.00575								
Arsenic	November-18	mg/L			0.00241			0.00801		0.00569	0.000825J	0.000619J				0.00206		<0.000570	0.000826J	0.0019J	<0.000570				
Arsenic	January-19	mg/L			0.0015J																				
Arsenic	March-19	mg/L	0.00173J	<0.000750	0.00114J	0.00455	0.00112J	0.00613	0.00841	0.003	<0.000750	<0.000750			0.00176	<0.000750	0.00947	<0.000750	<0.000750	<0.000750	<0.000750				
Arsenic	May-19	mg/L			0.00126															0.0011					
Arsenic	October-19	mg/L	0.00552	<0.000750	<0.00150	0.0013J	0.000871J	0.00547	0.00498	0.00307	<0.000750	<0.000750			0.00128J	<0.000750	0.00794	<0.000750	0.000975J	<0.000750	<0.000750				
Arsenic	March-20	mg/L	0.00864	0.00415		0.00152J	<0.000880	0.00316	0.00371	0.00321	<0.000880	<0.000880			0.00159J	<0.000880	0.00707	<0.000880	<0.000880		<0.000880				
Arsenic	April-20	mg/L			0.00197J															<0.000880					
Arsenic	September-20	mg/L	0.044	<0.000880	<0.000880		<0.000880	0.00298	0.00604	0.00311	<0.000880	<0.000880			0.00103J	0.00155J	0.00797	<0.000880	<0.000880	<0.000880	<0.000880				
Arsenic	October-20	mg/L				0.000951J																			
Arsenic	November-20	mg/L	0.0789																						
Arsenic	December-20	mg/L	0.0263																						
Arsenic	March-21	mg/L		0.00690	0.00103J	<0.000750	<0.000750	0.00166J	0.00551	0.00302					0.00116J	<0.000750	0.00628				<0.000750				
Arsenic	April-21	mg/L	0.00770								<0.000750	0.00152J						0.00212	<0.000750	<0.000750					
Arsenic	May-21	mg/L																0.00492							
Arsenic	August-21	mg/L																							
Arsenic	October-21	mg/L	0.023	0.00158J	0.00155J	0.00158J	0.00186J	0.00511	0.0105	0.00312	<0.000750	<0.000750			0.0028	0.00257	0.0113	0.00193J	0.00126J	<0.000750	<0.000750				
Arsenic	December-21	mg/L																0.00306							
Arsenic	February-22	mg/L	0.00209																						0.00175J
Arsenic	April-22	mg/L	0.00213	0.00104J	0.000938J	<0.000750	<0.000750	0.000885J	0.00382	0.00337	<0.000750	0.00516			<0.000750	<0.000750	0.00495	<0.00525	<0.000750	<0.000750	<0.000750				0.00197J
Arsenic	July-22	mg/L																							0.00309
Arsenic	October-22	mg/L	0.0154	0.0264	0.00143J	0.0048	<0.000750	0.00249	0.00711	0.00262	<0.000750				0.00305	0.00175J	0.00743	0.0085	0.00212	0.000847J	<0.000750				0.00228
Arsenic	December-22	mg/L		0.000983J																					
Arsenic	April-23	mg/L	0.00862	0.00185J	0.00436	0.00134J	0.000751J	0.00181J	0.00435	0.00329	0.000596J	0.00292			0.00428	0.000895J	0.00291	<0.000530	0.000756J	0.00099J	<0.000530				0.00295
Arsenic	May-23	mg/L																							
Arsenic	October-23	mg/L	0.0103	0.000902J	0.00335	0.00147J	0.00174J	0.00313	0.0208	0.00272	0.000677J				0.00118J	0.00307	0.0101	0.00318	0.000787J	0.0012J	0.00204				0.00255
Arsenic, Dissolved	December-20	mg/L	0.0241																						
Barium	January-08	mg/l				0.247	0.0424	0.0692	1.61	0.809	0.179	0.176	0.408	0.561											
Barium	March-08	mg/l				0.136	0.031	0.0587	0.791	0.706	0.0446	0.142	0.365	0.47											
Barium	August-08	mg/l				0.283	0.0458	0.0634	1.47	0.905	0.124	0.142	0.489	0.54											
Barium	September-08	mg/l				0.29	0.0348	0.0636	1.57	0.831	0.111	0.211	0.423	0.332											
Barium	October-08	mg/l				0.326	0.0457	0.0675	1.85	0.85	0.0312	0.177	0.29	0.244											
Barium	March-09	mg/l				0.312	0.0355	0.0638	1.57	0.828	0.0226	0.167	0.261	0.353											
Barium	June-09	mg/l				0.262	0.0282	0.0697	1.72	0.727			0.321												
Barium	September-09	mg/l				0.294	0.0508	0.0925	1.46	0.777	0.0344	0.0683	0.446	0.445											
Barium	December-09	mg/l				0.221	0.0339	0.101	1.13	0.745			0.423												
Barium	March-10	mg/l				0.173	0.0303	0.101	1.42	0.951	0.0458	0.0709	0.375	0.347											
Barium	June-10	mg/l									0.0404					0.555	0.138	0.361	0.121	0.114					
Barium	August-10	mg/l									0.0279	0.0846				0.552	0.144	0.168	0.118	0.123					
Barium	September-10	mg/l				0.196	0.0378	0.156	1.64	0.777	0.0276	0.0924	0.432	0.486		0.588	0.142	0.184	0.12	0.144					
Barium	December-10	mg/l									0.0205					0.746	0.0803	0.187	0.139	0.111					
Barium	March-11	mg/l		0.329		0.242	0.0372	0.111	1.05	0.765	0.0273	0.0675	0.291	0.343		0.412	0.0786	0.137	0.0564	0.14					
Barium	June-11	mg/l		0.308								0.0624		0.383		0.397	0.0863								
Barium	July-11	mg/l	0.207																						
Barium	August-11	mg/l		0.184																					
Barium	September-11	mg/l	0.25	0.188		0.227	0.0564	0.247	1.72	0.859	0.0249		0.454	0.451		0.633	0.0734	0.197	0.0944	0.217					
Barium	December-11	mg/l	0.205	0.337										0.439		0.48	0.077								
Barium	March-12	mg/l	0.245	0.0346		0.261	0.346	0.0474	0.237	0.989	0.0235	0.0832	0.446	0.349		0.359	0.0697	0.232	0.0386	0.141					
Barium	April-12	mg/l													2.91										
Barium	June-12	mg/l													2.33										
Barium	October-12	mg/l	0.306	0.158		0.276	0.0605	0.328	1.52	0.871			0.714	0.339	0.253	0.654	0.0781		0.0633						
Barium	March-13	mg/l	0.217	0.259		0.286	0.0571	0.322	1.64	0.898	0.0183		0.729	0.491	0.78	0.144	0.072	0.164	0.0341						
Barium	June-13	mg/l																			0.127				
Barium	September-13	mg/l	0.497	0.126		0.212	0.0923	0.314	1.5	0.869	0.0196		0.854	0.505	0.621	0.478	0.0655	0.3	0.0265	0.0751	0.26				
Barium	November-13	mg/l																			0.222				
Barium	March-14	mg/l	0.552	0.176		0.148	0.0621	0.239	1.13	0.921	0.0408	0.0511	0.508	0.425	0.289	0.0356	0.0701	0.0456	0.00865J		0.155				
Barium	June-14	mg/l																		0.0552	0.14				
Barium	September-14	mg/l	0.819	0.029		0.127	0.0489	0.226	1.19	0.936	0.0558	0.0803	0.948	0.537	0.288	0.0543	0.0733	0.0675	0.0276	0.0684	0.152				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Barium	December-14	mg/l															0.0726								
Barium	April-15	mg/l	0.441	0.0428		0.0902	0.0606	0.178	1.05	0.946	0.0399	0.0856			0.118	0.0511	0.0699	0.0301	0.0139	0.0611	0.142				
Barium	October-15	mg/l	0.919	0.0369		0.189	0.0795	0.373	1.28	1.08	0.0533				0.231	0.234	0.0757	0.0619	0.0179	0.0518	0.138				
Barium	April-16	mg/l	0.441	0.0545		0.0836	0.0417	0.336	0.98	1.09	0.0519	0.0825			0.0419	0.0546	0.067	0.068	0.0139	0.0494	0.118				
Barium	October-16	mg/l													0.0387										
Barium	November-16	mg/l	1	0.0326		0.144	0.0712	0.384	1.03	1.22	0.0797	0.141				0.228	0.109	0.102	0.0173	0.0975	0.135				
Barium	March-17	mg/l	0.897	0.0799		0.103	0.059	0.384	0.927	1.02	0.0508	0.221			0.142	0.136	0.0757	0.0431	0.014	0.0328	0.133				
Barium	June-17	mg/l	1.3																						
Barium	October-17	mg/L	1.44	0.0515		0.116	0.0871	0.59	0.973	1.01	0.0476				0.125	0.312	0.0698	0.0505	0.0152	0.0346	0.137				
Barium	December-17	mg/L				0.127					0.0507								0.0181		0.129				
Barium	April-18	mg/L	0.58	0.113		0.164	0.0498	0.686	1.03	1.02	0.0571	0.0441			0.062	0.121	0.0598	0.0407	0.0139	0.0524	0.134				
Barium	July-18	mg/L			0.392							0.195													
Barium	October-18	mg/L	0.527	0.0318		0.1	0.0532		0.0446						0.0675		0.0599								
Barium	November-18	mg/L			0.548			0.58		1.06	0.0897	0.133				0.0962		0.0432	0.0168	0.036	0.143				
Barium	January-19	mg/L			0.575																				
Barium	March-19	mg/L	0.331	0.0293	0.55	0.16	0.0375	0.273	1.69	1.15	0.0734	0.0322			0.193	0.0503	0.0501	0.0419	0.0112	0.047	0.156				
Barium	May-19	mg/L			0.545															0.0394					
Barium	October-19	mg/L	0.517	0.0145	0.53	0.102	0.0459	0.105	0.848	0.923	0.0852	0.129			0.055	0.0979	0.0609	0.0405	0.0197	0.0459	0.0873				
Barium	March-20	mg/L	0.449	0.0523		0.108	0.0343	0.111	0.879	1.08	0.0628	0.0946			0.152	0.0577	0.0594	0.0305	0.0127		0.0995				
Barium	April-20	mg/L			0.515															0.0569					
Barium	September-20	mg/L	0.776	0.0248	0.526		0.0564	0.0503	1.33	1.08	0.0842	0.0953			0.0691	0.0844	0.0696	0.0604	0.0147	0.206	0.0854				
Barium	October-20	mg/L				0.114																			
Barium	November-20	mg/L	1.11																						
Barium	December-20	mg/L	0.691																						
Barium	March-21	mg/L		0.0512	0.532	0.0735	0.0450	0.0668	1.45	1.08					0.0679	0.0559	0.0692				0.0762				
Barium	April-21	mg/L	0.580								0.0718	0.108						0.236	0.0135	0.0615					
Barium	May-21	mg/L																0.344							
Barium	August-21	mg/L																							
Barium	October-21	mg/L	0.782	0.0407	0.497	0.142	0.0788	0.0413	1.68	1.01	0.0779	0.104			0.232	0.383	0.0793	0.0519	0.17	0.0587	0.0608				
Barium	December-21	mg/L																0.0631							
Barium	February-22	mg/L	0.371																						0.267
Barium	April-22	mg/L	0.378	0.0522	0.405	0.0658	0.0474	0.0548	1.09	1.01	0.0968	0.416			0.0732	0.0488	0.065	0.0189	0.147	0.0474	0.0562				0.298
Barium	July-22	mg/L																							0.298
Barium	October-22	mg/L	0.674	0.0561	0.472	0.154	0.0607	0.0433	1.57	1.09	0.0562				0.197	0.232	0.0665	0.0587	0.154	0.0495	0.0654				0.298
Barium	April-23	mg/L	0.401	0.0243	0.453	0.145	0.0517	0.0616	1.13	1.1	0.0516	0.185			0.174	0.0872	0.0315	0.0295	0.0731	0.0415	0.0511				0.285
Barium	May-23	mg/L																							
Barium	October-23	mg/L	0.751	0.0488	0.413	0.153	0.0738	0.0421	1.39	1.09	0.051				0.062	0.042	0.0807	0.0517	0.116	0.0491	0.0616				0.308
Barium	December-23	mg/L																							0.325
Barium, Dissolved	December-20	mg/L	0.642J																						
Benzene	January-08	ug/l				1.85	<0.5	2.19	5.56	0.84	<0.5	<0.5	0.55	<0.5											
Benzene	March-08	ug/l				1.34	<0.5	2.84	5.81	0.74	<0.5	<0.5	1.49	<0.5											
Benzene	August-08	ug/l				2.24	0.28J	2.94	6.32	0.78	<0.5	<0.5	1.65	0.16J											
Benzene	September-08	ug/l				2.29	1.12	2.05	5.93	0.87	<0.5	0.24J	1.54	0.29J											
Benzene	October-08	ug/l				2.4	1.16	1.64	5.43	0.75	<0.5	<0.5	0.95	<0.5											
Benzene	March-09	ug/l				2.5	<0.5	1.2	7.59	1.04	<0.5	<0.5	0.67	<0.5											
Benzene	June-09	ug/l				<2.5	<0.5	2.59	6.78	0.97			1.16												
Benzene	September-09	ug/l				2.59	1.51	1.97	6.82	0.97	<0.5	<0.5	1.96	<0.5											
Benzene	December-09	ug/l				1.85	<0.5	2.64	6.94	0.67			1.55												
Benzene	March-10	ug/l				2.25	0.69	1.96	6.82	1.01	<0.5	<0.5	1.57	0.72											
Benzene	June-10	ug/l									<0.5					4.03	0.5	<0.5	<0.5	<0.5					
Benzene	August-10	ug/l									<0.5	<0.5				4.27	<0.5	<0.5	<0.5	<0.5					
Benzene	September-10	ug/l				2.43	0.51	1.81	7.24	0.98	<0.5	<0.5	1.72	0.99		3.8	<0.5	<0.5	<0.5	<0.5					
Benzene	December-10	ug/l									<0.5					3.52	<0.5	<0.5	<0.5	<0.5					
Benzene	March-11	ug/l		<0.5		2.68	<0.5	1.2	8.6	0.84	<0.5	<0.5	0.56	0.79		3.12	<0.5	<0.5	<0.5	<0.5					
Benzene	April-11	ug/l				0.73		1.06	<5	0.99							<0.5								
Benzene	June-11	ug/l		<0.5								<0.5		0.87		3.78	<0.5								
Benzene	July-11	ug/l	<0.5																						
Benzene	August-11	ug/l		<0.5																					
Benzene	September-11	ug/l	0.63	<0.5		2.54	1.09	2.91	6.9	0.89	<0.5		1.15	0.96		4.72	<0.5	<0.5	<0.5	<0.5					
Benzene	December-11	ug/l	0.51	<0.5										0.93		2.99	<0.5								
Benzene	March-12	ug/l	0.57	<0.5		0.5	<0.5	3.62	6.32	0.97	<0.5	<0.5	1.09	0.56		3.96	<0.5	<0.5	<0.5	<0.5					
Benzene	June-12	ug/l													<0.5										
Benzene	October-12	ug/l	<0.5	<0.5		2.67	<0.5	1.94	0.53	1.1			2.26	<0.5		1.12	<0.5		<0.5						
Benzene	March-13	ug/l	0.289J	<0.5		1.9	<0.5	0.956	5.47	0.842	<0.5		2.07	1.03	<0.5	<0.5	<0.5	<0.5	<0.5						
Benzene	June-13	ug/l																			<0.5	0.505	0.609	<0.5	

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Table 9
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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Benzene	September-13	ug/l	0.483J	<0.5		1.69	0.769	5.19	7.57	1.1	<0.5		2.69	1.07	<0.5	3.54	<0.5	<0.5	<0.5	<0.5	<0.5	0.84	0.756	<0.5	
Benzene	November-13	ug/l																			<0.5	0.97	0.887	<0.5	
Benzene	March-14	ug/l	0.344J	<0.5		1.13	<0.5	1.04	7.06	0.884	<0.5	<0.5	1.05	0.809	<0.5	<0.5	0.337J	<0.5	<0.5		<0.5	0.777	0.629		
Benzene	June-14	ug/l																		<0.5	<0.5	0.233J	0.48J		
Benzene	September-14	ug/l	<0.5	<0.5		0.63	0.264J	2.46	5.95	0.844	<0.5	<0.5	2.5	1.35	<0.5	0.276J	0.405J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
Benzene	December-14	ug/l															0.399J								
Benzene	April-15	ug/l	0.458J	<0.5		<0.5	<0.5	1.42	6.33	1.04	<0.5	<0.5	0.947	0.862	<0.5	0.207J	<0.5	<0.5	<0.5	<0.5	<0.5	0.383J	0.495J	<0.5	
Benzene	October-15	ug/l	0.551	<0.11		0.243J	<0.11	2.99	5.36	1.2	<0.11		2.35	0.444J	<0.11	1.24	0.202J	<0.11	<0.11	<0.11	<0.11	0.921			
Benzene	April-16	ug/l	0.236J	<0.11		<0.11	<0.11	1.59	5.36	1.04	<0.11	<0.11	1.08	0.772	<0.11	1.57	0.286J	<0.11	<0.11	<0.11	<0.11	0.945			
Benzene	October-16	ug/l													<0.11										
Benzene	November-16	ug/l	0.417J	<0.11		<0.11	<0.11	1.78	4.96	1.24	0.575	<0.11	1.1	<0.11		1.24	<0.11	<0.11	<0.11	<0.11	<0.11	0.674			
Benzene	March-17	ug/l	0.425J	<0.11		<0.11	0.112J	0.988	5.78	1.31	<0.11	<0.11	0.663	0.39J	<0.11	1.73	<0.11	<0.11	<0.11	<0.11	<0.11	0.956	0.499J	<0.11	
Benzene	October-17	ug/L	0.202J	<0.110		<0.110	<0.110	1.08	4.3	1.48	<0.110		0.936	<0.110	<0.110	1.33	<0.110	<0.110	<0.110	<0.110	<0.110	1.02			
Benzene	December-17	ug/L				<0.110					<0.110								<0.110		<0.110				
Benzene	April-18	ug/L	<0.110	<0.110		0.625	<0.110	1.07	5.01	1.04	<0.110	<0.110	0.412J	<0.110	<0.110	0.114J	<0.110	<0.110	<0.110	<0.110	<0.110	0.757			
Benzene	July-18	ug/L			<0.220							<0.220													
Benzene	October-18	ug/L	0.269J	<0.220		<0.220	<0.220		6.4				1.4	<0.220	<0.220		<0.220					0.666			
Benzene	November-18	ug/L			<0.220			2		1.13	<0.220	<0.220				0.65		<0.220	<0.220	<0.220	<0.220				
Benzene	January-19	ug/L			<0.220																				
Benzene	March-19	ug/L	0.272J	<0.220	<0.220	0.568	<0.220	1.05	5.77	1.1	<0.220	<0.220	0.241	<0.220	<0.220	0.428J	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	
Benzene	May-19	ug/L			<0.220															<0.220					
Benzene	October-19	ug/L	<0.220	<0.220	<0.220	<0.220	<0.220	1.02	6.47	1.14	<0.220	<0.220	<0.220	<0.220	<0.220	0.655J	<0.220	<0.220	<0.220	<0.220	<0.220	0.347J	0.42J	<0.220	
Benzene	March-20	ug/L	0.3J	<0.220		<0.220	<0.220	0.377J	6.98	1.47	<0.220	<0.220	<0.220	<0.220	<0.220	0.331J	<0.220	<0.220	<0.220		<0.220	0.644	<0.220	<0.220	
Benzene	April-20	ug/L			<0.220															<0.220					
Benzene	September-20	ug/L	0.454J	<0.220	<0.220		<0.220	0.393J	5.51	1.23	<0.220	<0.220			<0.220	0.562	<0.220	<0.220	<0.220	<0.220	<0.220		0.429J	<0.220	
Benzene	October-20	ug/L				<0.220							<0.220	<0.220								0.28J			
Benzene	March-21	ug/L		<0.220	<0.220	<0.220	<0.220	0.321J	6.12	1.2				<0.220	<0.220	0.256J	<0.220				<0.220		<0.220	<0.220	
Benzene	April-21	ug/L	0.368J								<0.220	<0.220	<0.220					<0.220	<0.220	<0.220		0.404J			
Benzene	May-21	ug/L																<0.220							
Benzene	August-21	ug/L																							
Benzene	October-21	ug/L	0.945	<0.220	<0.220	<0.220	<0.220	0.318J	5.7	1.29	0.223J	<0.220	<0.220	<0.220	<0.220	0.639	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	0.316J		
Benzene	December-21	ug/L	0.424J															0.305J							
Benzene	February-22	ug/L	<0.220																						<0.220
Benzene	April-22	ug/L	<0.220	<0.220	<0.220	<0.220	<0.220	0.309J	5.34	1.17	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	0.473J	<0.220		<0.220
Benzene	July-22	ug/L																							<0.220
Benzene	October-22	ug/L	0.373J	<0.220	<0.220	<0.220	<0.220	<0.220	3.09	1.45	<0.220		<0.220	<0.220	<0.220	0.622	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220		<0.220
Benzene	April-23	ug/L	0.241J	<0.220	<0.220	0.301J	<0.220	0.261J	2.71	1.49	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	0.789	<0.220		<0.220
Benzene	May-23	ug/L																							
Benzene	October-23	ug/L	0.253J	<0.220	<0.220	<0.220	<0.220	0.221J	3.66	1.29	<0.220		<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220		<0.220
Benzo[a]anthracene	March-09	ug/l					<10	<10	<10																
Benzo[a]anthracene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Benzo[a]anthracene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Benzo[a]anthracene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Benzo[a]anthracene	March-10	ug/l				<10				<10			<10												
Benzo[a]anthracene	June-10	ug/l									<10														
Benzo[a]anthracene	August-10	ug/l									<10	<10													
Benzo[a]anthracene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Benzo[a]anthracene	December-10	ug/l									<10														
Benzo[a]anthracene	March-11	ug/l										<10		<10											
Benzo[a]anthracene	June-11	ug/l										<10		<10		<10	<10								
Benzo[a]anthracene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Benzo[a]anthracene	December-11	ug/l												<10		<10	<10								
Benzo[a]anthracene	March-12	ug/l														<10	<10								
Benzo[a]anthracene	December-14	ug/l															<10.2								
Benzo[a]anthracene	October-16	ug/l													<0.25										
Benzo[a]anthracene	November-16	ug/l						<0.24	<0.24	<0.261						<0.27	<0.267								
Benzo[a]anthracene	October-17	ug/L					<0.253																		
Benzo[a]anthracene	December-17	ug/L				<0.255					<0.250								<0.250		<0.250				
Benzo[a]anthracene	July-18	ug/L			<0.343							<0.354													
Benzo[a]anthracene	November-18	ug/L			<0.351							<0.354													
Benzo[a]anthracene	May-19	ug/L																		<0.343					
Benzo[a]anthracene	October-21	ug/L						<1.16	<1.16	<1.12						<1.15	<1.16								
Benzo[a]anthracene	December-21	ug/L																<1.16							
Benzo[a]anthracene	October-22	ug/L				<0.720	<0.720				<0.720								<0.720		<0.746				
Benzo[a]pyrene	March-09	ug/l					<10	<10	<10																

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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Benzo[a]pyrene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Benzo[a]pyrene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Benzo[a]pyrene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Benzo[a]pyrene	March-10	ug/l				<10				<10			<10												
Benzo[a]pyrene	June-10	ug/l									<10														
Benzo[a]pyrene	August-10	ug/l									<10	<10													
Benzo[a]pyrene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Benzo[a]pyrene	December-10	ug/l									<10														
Benzo[a]pyrene	March-11	ug/l										<10		<10											
Benzo[a]pyrene	June-11	ug/l										<10		<10		<10	<10								
Benzo[a]pyrene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Benzo[a]pyrene	December-11	ug/l												<10		<10	<10								
Benzo[a]pyrene	March-12	ug/l														<10	<10								
Benzo[a]pyrene	December-14	ug/l															<10.2								
Benzo[a]pyrene	October-16	ug/l													<0.26										
Benzo[a]pyrene	November-16	ug/l						<0.25	<0.25	<0.272						<0.281	<0.278								
Benzo[a]pyrene	October-17	ug/L					<0.263																		
Benzo[a]pyrene	December-17	ug/L				<0.266					<0.260								<0.260		<0.260				
Benzo[a]pyrene	July-18	ug/L			<1.28							<1.32													
Benzo[a]pyrene	November-18	ug/L			<1.31							<1.32													
Benzo[a]pyrene	May-19	ug/L																		<1.28					
Benzo[a]pyrene	October-21	ug/L						<1.58	<1.58	<1.53						<1.56	<1.58								
Benzo[a]pyrene	December-21	ug/L																<1.58							
Benzo[a]pyrene	October-22	ug/L				<6.86	<6.86				<6.86								<6.86		<7.11				
Benzo[b]fluoranthene	March-09	ug/l					<10	<10	<10																
Benzo[b]fluoranthene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Benzo[b]fluoranthene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Benzo[b]fluoranthene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Benzo[b]fluoranthene	March-10	ug/l				<10				<10			<10												
Benzo[b]fluoranthene	June-10	ug/l									<10														
Benzo[b]fluoranthene	August-10	ug/l									<10	<10													
Benzo[b]fluoranthene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Benzo[b]fluoranthene	December-10	ug/l									<10														
Benzo[b]fluoranthene	March-11	ug/l										<10		<10											
Benzo[b]fluoranthene	June-11	ug/l										<10		<10		<10	<10								
Benzo[b]fluoranthene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Benzo[b]fluoranthene	December-11	ug/l												<10		<10	<10								
Benzo[b]fluoranthene	March-12	ug/l														<10	<10								
Benzo[b]fluoranthene	December-14	ug/l															<10.2								
Benzo[b]fluoranthene	October-16	ug/l													<0.323										
Benzo[b]fluoranthene	November-16	ug/l						<0.31	<0.31	<0.337						<0.348	<0.344								
Benzo[b]fluoranthene	October-17	ug/L					<0.326																		
Benzo[b]fluoranthene	December-17	ug/L				<0.330					<0.323								<0.323		<0.323				
Benzo[b]fluoranthene	July-18	ug/L			<1.01							<1.04													
Benzo[b]fluoranthene	November-18	ug/L			<1.03							<1.04													
Benzo[b]fluoranthene	May-19	ug/L																		<1.01					
Benzo[b]fluoranthene	October-21	ug/L						<1.26	<1.26	<1.22						<1.25	<1.26								
Benzo[b]fluoranthene	December-21	ug/L																<1.26							
Benzo[b]fluoranthene	October-22	ug/L				<4.15	<4.15				<4.15								<4.15		<4.30				
Benzo[g,h,i]perylene	October-17	ug/L					<0.242																		
Benzo[g,h,i]perylene	December-17	ug/L				<0.245					<0.240								<0.240		<0.240				
Benzo[g,h,i]perylene	July-18	ug/L			<1.33							<1.38													
Benzo[g,h,i]perylene	November-18	ug/L			<1.36							<1.38													
Benzo[g,h,i]perylene	May-19	ug/L																		<1.33					
Benzo[g,h,i]perylene	October-21	ug/L						<1.68	<1.68	<1.63						<1.67	<1.68								
Benzo[g,h,i]perylene	December-21	ug/L																<1.68							
Benzo[g,h,i]perylene	October-22	ug/L				<5.34	<5.34				<5.34								<5.34		<5.53				
Benzo[ghi]perylene	March-09	ug/l					<10	<10	<10																
Benzo[ghi]perylene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Benzo[ghi]perylene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Benzo[ghi]perylene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Benzo[ghi]perylene	March-10	ug/l				<10				<10			<10												
Benzo[ghi]perylene	June-10	ug/l									<10														
Benzo[ghi]perylene	August-10	ug/l									<10	<10													
Benzo[ghi]perylene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												

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Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Benzo[ghi]perylene	December-10	ug/l									<10														
Benzo[ghi]perylene	March-11	ug/l										<10		<10											
Benzo[ghi]perylene	June-11	ug/l										<10		<10		<10	<10								
Benzo[ghi]perylene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Benzo[ghi]perylene	December-11	ug/l												<10		<10	<10								
Benzo[ghi]perylene	March-12	ug/l														<10	<10								
Benzo[ghi]perylene	December-14	ug/l															<10.2								
Benzo[ghi]perylene	October-16	ug/l													<0.24										
Benzo[ghi]perylene	November-16	ug/l						<0.23	**0.443J**	<0.25						<0.258	<0.256								
Benzo[k]fluoranthene	March-09	ug/l					<10	<10	<10																
Benzo[k]fluoranthene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Benzo[k]fluoranthene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Benzo[k]fluoranthene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Benzo[k]fluoranthene	March-10	ug/l				<10				<10			<10												
Benzo[k]fluoranthene	June-10	ug/l									<10														
Benzo[k]fluoranthene	August-10	ug/l									<10	<10													
Benzo[k]fluoranthene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Benzo[k]fluoranthene	December-10	ug/l									<10														
Benzo[k]fluoranthene	March-11	ug/l										<10		<10											
Benzo[k]fluoranthene	June-11	ug/l										<10		<10		<10	<10								
Benzo[k]fluoranthene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Benzo[k]fluoranthene	December-11	ug/l												<10		<10	<10								
Benzo[k]fluoranthene	March-12	ug/l														<10	<10								
Benzo[k]fluoranthene	December-14	ug/l															<10.2								
Benzo[k]fluoranthene	October-16	ug/l													<0.208										
Benzo[k]fluoranthene	November-16	ug/l						<0.2	<0.2	<0.217						<0.225	<0.222								
Benzo[k]fluoranthene	October-17	ug/L					<0.211																		
Benzo[k]fluoranthene	December-17	ug/L				<0.213					<0.208								<0.208		<0.208				
Benzo[k]fluoranthene	July-18	ug/L			<0.576							<0.594													
Benzo[k]fluoranthene	November-18	ug/L			<0.588							<0.594													
Benzo[k]fluoranthene	May-19	ug/L																		<0.576					
Benzo[k]fluoranthene	October-21	ug/L						<1.26	<1.26	<1.22						<1.25	<1.26								
Benzo[k]fluoranthene	December-21	ug/L																<1.26							
Benzo[k]fluoranthene	October-22	ug/L				<1.86	<1.86				<1.86								<1.86		<1.93				
Benzyl Alcohol	March-09	ug/l					<10	<10	<10																
Benzyl Alcohol	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Benzyl Alcohol	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Benzyl Alcohol	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Benzyl Alcohol	March-10	ug/l				<10				<10			<10												
Benzyl Alcohol	June-10	ug/l									<10														
Benzyl Alcohol	August-10	ug/l									<10	<10													
Benzyl Alcohol	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Benzyl Alcohol	December-10	ug/l									<10														
Benzyl Alcohol	March-11	ug/l										<10		<10											
Benzyl Alcohol	June-11	ug/l										<10		<10		<10	<10								
Benzyl Alcohol	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Benzyl Alcohol	December-11	ug/l												<10		<10	<10								
Benzyl Alcohol	March-12	ug/l														<10	<10								
Benzyl Alcohol	December-14	ug/l															<10.2								
Benzyl Alcohol	October-16	ug/l													<0.188										
Benzyl Alcohol	November-16	ug/l						<0.18	<0.18	<0.196						<0.202	<0.2								
Benzyl alcohol	October-17	ug/L					<0.189																		
Benzyl alcohol	December-17	ug/L				<0.191					<0.188								<0.188		<0.188				
Benzyl alcohol	July-18	ug/L			<0.606							<0.625													
Benzyl alcohol	November-18	ug/L			<0.619							<0.625													
Benzyl alcohol	May-19	ug/L																		<0.606					
Benzyl alcohol	October-21	ug/L						<1.16	<1.16	<1.12						<1.15	<1.16								
Benzyl alcohol	December-21	ug/L																<1.16							
Benzyl alcohol	October-22	ug/L				<1.10	<1.10				<1.10								<1.10		<1.14				
Beryllium	January-08	mg/l				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.00146**	<0.001											
Beryllium	March-08	mg/l				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001											
Beryllium	August-08	mg/l				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.00137**	<0.001											
Beryllium	September-08	mg/l				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001											
Beryllium	October-08	mg/l				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001											
Beryllium	March-09	mg/l				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.00117**	<0.001											

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Beryllium	June-09	mg/l				<0.001	<0.001	<0.001	<0.001	<0.001			<0.001												
Beryllium	September-09	mg/l				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001											
Beryllium	December-09	mg/l				<0.001	<0.001	<0.001	<0.001	<0.001			<0.001												
Beryllium	March-10	mg/l				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001											
Beryllium	June-10	mg/l									<0.001					<0.001	<0.001	<0.001	<0.001	<0.001					
Beryllium	August-10	mg/l									<0.001	<0.001				<0.001	<0.001	<0.001	<0.001	<0.001					
Beryllium	September-10	mg/l				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001					
Beryllium	December-10	mg/l									<0.001					<0.001	<0.001	<0.001	<0.001	<0.001					
Beryllium	March-11	mg/l		<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001					
Beryllium	June-11	mg/l		<0.001								<0.001		<0.001		<0.001	<0.001								
Beryllium	July-11	mg/l	<0.001																						
Beryllium	August-11	mg/l		<0.001																					
Beryllium	September-11	mg/l	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001					
Beryllium	December-11	mg/l	<0.001	<0.001										<0.001		<0.001	<0.001								
Beryllium	March-12	mg/l	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001					
Beryllium	April-12	mg/l													**0.0139**										
Beryllium	June-12	mg/l													**0.0096**										
Beryllium	October-12	mg/l	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001		<0.001						
Beryllium	March-13	mg/l	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	**0.00383**	**0.000179J**	<0.001	<0.001	**0.000615J**						
Beryllium	June-13	mg/l																			**0.000427J**				
Beryllium	September-13	mg/l	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	**0.00288**	<0.001	<0.001	**0.00129**	<0.001	**0.00017J**	**0.0014**				
Beryllium	November-13	mg/l																			**0.00154**				
Beryllium	March-14	mg/l	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.000722J**	<0.001	<0.001	<0.001	<0.001		**0.000519J**				
Beryllium	June-14	mg/l																		**0.000291J**	**0.00307**				
Beryllium	September-14	mg/l	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.000087J**	**0.000154J**	<0.001	<0.001	<0.001	<0.001	<0.001	**0.000137J**				
Beryllium	December-14	mg/l															<0.001								
Beryllium	April-15	mg/l	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	**0.00007J**	<0.001	<0.001			**0.00006J**	<0.001	<0.001	<0.001	**0.00007J**	<0.001	<0.001				
Beryllium	October-15	mg/l	**0.000083J**	**0.000195J**		<0.000039	**0.000067J**	**0.000047J**	**0.000163J**	**0.000143J**	**0.000045J**				<0.000039	**0.000073J**	<0.000221	<0.000039	<0.000221	**0.000088J**	<0.000221				
Beryllium	April-16	mg/l	<0.000221	<0.000221		<0.000221	<0.000221	<0.000221	<0.000221	<0.000221	<0.000221	<0.000221			<0.000221	<0.000221	<0.000221	<0.000221	<0.000221	<0.000221	<0.000221				
Beryllium	October-16	mg/l													<0.000221										
Beryllium	November-16	mg/l	<0.000221	<0.000221		<0.000221	<0.000221	<0.000221	<0.000221	<0.000221	<0.000221	<0.000221				<0.000221	<0.000221	<0.000221	<0.000221	<0.000221	<0.000221				
Beryllium	March-17	mg/l	<0.000125	<0.000125		<0.000125	<0.000125	<0.000125	<0.000125	<0.000125	<0.000125	<0.000125			<0.000125	<0.000125	<0.000125	<0.000125	<0.000125	<0.000125	<0.000125				
Beryllium	October-17	mg/L	<0.000125	<0.000125		<0.000125	<0.000125	<0.000125	<0.000125	<0.000125	<0.000125				<0.000125	<0.000125	<0.000125	<0.000125	<0.000125	<0.000125	<0.000125				
Beryllium	December-17	mg/L				<0.000125					<0.000125								<0.000125		<0.000125				
Beryllium	April-18	mg/L	<0.000190	<0.000190		<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190			<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190				
Beryllium	July-18	mg/L			<0.000190							<0.000190													
Beryllium	October-18	mg/L	<0.000190	<0.000190		<0.000190	<0.000190		<0.000190						<0.000190		<0.000190								
Beryllium	November-18	mg/L			<0.000190			<0.000190		<0.000190	<0.000190	<0.000190				<0.000190		<0.000190	<0.000190	<0.000190	<0.000190				
Beryllium	January-19	mg/L			<0.000190																				
Beryllium	March-19	mg/L	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270			<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270				
Beryllium	May-19	mg/L			<0.000530															<0.000530					
Beryllium	October-19	mg/L	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270			<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270				
Beryllium	March-20	mg/L	<0.000270	<0.000270		<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270			<0.000270	<0.000270	<0.000270	<0.000270	<0.000270		<0.000270				
Beryllium	April-20	mg/L			<0.000270															<0.000270					
Beryllium	September-20	mg/L	<0.000270	<0.000270	<0.000270		<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270			<0.000270	**0.00108**	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270				
Beryllium	October-20	mg/L				<0.000270																			
Beryllium	November-20	mg/L	<0.000270																						
Beryllium	December-20	mg/L	<0.000270																						
Beryllium	March-21	mg/L		<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270					<0.000270	<0.000270	<0.000270				<0.000270				
Beryllium	April-21	mg/L	<0.000270								<0.000270	<0.000270						<0.000270	<0.000270	<0.000270					
Beryllium	May-21	mg/L																<0.000270							
Beryllium	August-21	mg/L																							
Beryllium	October-21	mg/L	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270			**0.000317J**	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270				
Beryllium	December-21	mg/L																<0.000270							
Beryllium	February-22	mg/L	<0.000270																						<0.000270
Beryllium	April-22	mg/L	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270			<0.000270	<0.000270	<0.000270	<0.00189	<0.000270	<0.000270	<0.000270				<0.000270
Beryllium	July-22	mg/L																							<0.000270
Beryllium	October-22	mg/L	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270				<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270				<0.000270
Beryllium	April-23	mg/L	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330			<0.000330	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330				<0.000330
Beryllium	May-23	mg/L																							
Beryllium	October-23	mg/L	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330				<0.000330	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330				<0.000330
Beryllium, Dissolved	December-20	mg/L	<0.000270																						
Biochemical Oxygen Demand	February-22	mg/L	<3.00																						<3.00
Bis(2-chloroethoxy)methane	May-19	ug/L																		<0.263					
Bis(2-chloroethoxy)methane	October-21	ug/L						<1.16	<1.16	<1.12						<1.15	<1.16								

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Bis(2-chloroethoxy)methane	December-21	ug/L																<1.16							
Bis(2-chloroethoxy)methane	October-22	ug/L				<0.644	<0.644				<0.644								<0.644		<0.667				
Bis(2-chloroethyl)ether	October-17	ug/L					<0.189																		
Bis(2-chloroethyl)ether	December-17	ug/L				<0.191					<0.188								<0.188		<0.188				
Bis(2-chloroethyl)ether	July-18	ug/L			<0.192							<0.198													
Bis(2-chloroethyl)ether	November-18	ug/L			<0.196							<0.198													
Bis(2-chloroethyl)ether	May-19	ug/L																		<0.192					
Bis(2-chloroethyl)ether	October-21	ug/L						<1.16	<1.16	<1.12						<1.15	<1.16								
Bis(2-chloroethyl)ether	December-21	ug/L																<1.16							
Bis(2-chloroethyl)ether	October-22	ug/L				<0.695	<0.695				<0.695								<0.695		<0.719				
Bis(2-ethylhexyl) phthalate	October-17	ug/L					<0.411																		
Bis(2-ethylhexyl) phthalate	December-17	ug/L				**2.44J**					<0.406								<0.406		<0.406				
Bis(2-ethylhexyl) phthalate	July-18	ug/L										<2.42													
Bis(2-ethylhexyl) phthalate	November-18	ug/L										<2.42													
Bis(2-ethylhexyl) phthalate	May-19	ug/L																		<2.34					
Bis(2-ethylhexyl) phthalate	October-21	ug/L						<2.74	<2.74	<2.65						<2.71	<2.74								
Bis(2-ethylhexyl) phthalate	December-21	ug/L																<2.74							
Bis(2-ethylhexyl) phthalate	October-22	ug/L				<4.66	<4.66				<4.66								<4.66		<4.82				
Bis[2-chloroethoxy]methane	March-09	ug/l					<10	<10	<10																
Bis[2-chloroethoxy]methane	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Bis[2-chloroethoxy]methane	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Bis[2-chloroethoxy]methane	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Bis[2-chloroethoxy]methane	March-10	ug/l				<10				<10			<10												
Bis[2-chloroethoxy]methane	June-10	ug/l									<10														
Bis[2-chloroethoxy]methane	August-10	ug/l									<10	<10													
Bis[2-chloroethoxy]methane	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Bis[2-chloroethoxy]methane	December-10	ug/l									<10														
Bis[2-chloroethoxy]methane	March-11	ug/l										<10		<10											
Bis[2-chloroethoxy]methane	June-11	ug/l										<10		<10		<10	<10								
Bis[2-chloroethoxy]methane	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Bis[2-chloroethoxy]methane	December-11	ug/l												<10		<10	<10								
Bis[2-chloroethoxy]methane	March-12	ug/l														<10	<10								
Bis[2-chloroethoxy]methane	December-14	ug/l															<10.2								
Bis[2-chloroethoxy]methane	October-16	ug/l													<0.271										
Bis[2-chloroethoxy]methane	November-16	ug/l						<0.26	<0.26	<0.283						<0.292	<0.289								
Bis[2-chloroethoxy]methane	October-17	ug/L					<0.274																		
Bis[2-chloroethoxy]methane	December-17	ug/L				<0.277					<0.271								<0.271		<0.271				
Bis[2-chloroethoxy]methane	July-18	ug/L			<0.263							<0.271													
Bis[2-chloroethoxy]methane	November-18	ug/L			<0.268							<0.271													
Bis[2-chloroisopropyl] ether	March-09	ug/l					<10	<10	<10																
Bis[2-chloroisopropyl] ether	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Bis[2-chloroisopropyl] ether	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Bis[2-chloroisopropyl] ether	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Bis[2-chloroisopropyl] ether	March-10	ug/l				<10				<10			<10												
Bis[2-chloroisopropyl] ether	June-10	ug/l									<10														
Bis[2-chloroisopropyl] ether	August-10	ug/l									<10	<10													
Bis[2-chloroisopropyl] ether	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Bis[2-chloroisopropyl] ether	December-10	ug/l									<10														
Bis[2-chloroisopropyl] ether	March-11	ug/l										<10		<10											
Bis[2-chloroisopropyl] ether	June-11	ug/l										<10		<10		<10	<10								
Bis[2-chloroisopropyl] ether	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Bis[2-chloroisopropyl] ether	December-11	ug/l												<10		<10	<10								
Bis[2-chloroisopropyl] ether	March-12	ug/l														<10	<10								
Bis[2-chloroisopropyl] ether	December-14	ug/l															<10.2								
Bis[2-chloroisopropyl] ether	October-16	ug/l													<0.188										
Bis[2-chloroisopropyl] ether	November-16	ug/l						<0.18	<0.18	<0.196						<0.202	<0.2								
Bis[2-chloroisopropyl] ether	July-18	ug/L			<0.182																				
Bis[2-chloroisopropyl] ether	November-18	ug/L			<0.186																				
Bis[2-ethylhexyl]phthalate	March-09	ug/l					<10	<10	<10																
Bis[2-ethylhexyl]phthalate	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Bis[2-ethylhexyl]phthalate	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Bis[2-ethylhexyl]phthalate	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Bis[2-ethylhexyl]phthalate	March-10	ug/l				<10				<10			<10												
Bis[2-ethylhexyl]phthalate	June-10	ug/l									<10														
Bis[2-ethylhexyl]phthalate	August-10	ug/l									<10	<10													

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Bis[2-ethylhexyl]phthalate	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Bis[2-ethylhexyl]phthalate	December-10	ug/l									<10														
Bis[2-ethylhexyl]phthalate	March-11	ug/l										<10		<10											
Bis[2-ethylhexyl]phthalate	June-11	ug/l										<10		<10		<10	<10								
Bis[2-ethylhexyl]phthalate	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Bis[2-ethylhexyl]phthalate	December-11	ug/l												<10		<10	<10								
Bis[2-ethylhexyl]phthalate	March-12	ug/l														<10	<10								
Bis[2-ethylhexyl]phthalate	December-14	ug/l															<10.2								
Bis[2-ethylhexyl]phthalate	October-16	ug/l													<0.406										
Bis[2-ethylhexyl]phthalate	November-16	ug/l						**0.647J**	**0.981J**	**0.727J**						**0.697J**	**0.64J**								
Bis[2-ethylhexyl]phthalate	July-18	ug/L			<2.34																				
Bis[2-ethylhexyl]phthalate	November-18	ug/L			<2.39																				
Boron	February-22	mg/L	**0.385**																						**0.126**
Bromochloromethane	January-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Bromochloromethane	March-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Bromochloromethane	August-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Bromochloromethane	September-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Bromochloromethane	October-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Bromochloromethane	March-09	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Bromochloromethane	June-09	ug/l				<25	<5	<5	<5	<5			<5												
Bromochloromethane	September-09	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Bromochloromethane	December-09	ug/l				<5	<5	<5	<5	<5			<5												
Bromochloromethane	March-10	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Bromochloromethane	June-10	ug/l									<5					<5	<5	<5	<5	<5					
Bromochloromethane	August-10	ug/l									<5	<5				<5	<5	<5	<5	<5					
Bromochloromethane	September-10	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5					
Bromochloromethane	December-10	ug/l									<5					<5	<5	<5	<5	<5					
Bromochloromethane	March-11	ug/l		<5		<5	<5	<5	<50	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5					
Bromochloromethane	April-11	ug/l				<5		<5	<50	<5							<5								
Bromochloromethane	June-11	ug/l		<5								<5		<5		<5	<5								
Bromochloromethane	July-11	ug/l	<5																						
Bromochloromethane	August-11	ug/l		<5																					
Bromochloromethane	September-11	ug/l	<5	<5		<5	<5	<5	<50	<5	<5		<5	<5		<5	<5	<5	<5	<5					
Bromochloromethane	December-11	ug/l	<5	<5										<5		<5	<5								
Bromochloromethane	March-12	ug/l	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5					
Bromochloromethane	June-12	ug/l													<5										
Bromochloromethane	October-12	ug/l	<5	<5		<5	<5	<5	<5	<5			<5	<5		<5	<5		<5						
Bromochloromethane	March-13	ug/l	<5	<5		<5	<5	<5	<50	<5	<5		<5	<5	<5	<5	<5	<5	<5						
Bromochloromethane	June-13	ug/l																			<5				
Bromochloromethane	September-13	ug/l	<5	<5		<5	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5				
Bromochloromethane	November-13	ug/l																			<5				
Bromochloromethane	March-14	ug/l	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5				
Bromochloromethane	June-14	ug/l																		<5	<5				
Bromochloromethane	September-14	ug/l	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5				
Bromochloromethane	December-14	ug/l															<5								
Bromochloromethane	April-15	ug/l	<5	<5		<5	<5	<5	<5	<5	<5	<5			<5	<5	<5	<5	<5	<5	<5				
Bromochloromethane	October-15	ug/l	<0.12	<0.12		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12				<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12				
Bromochloromethane	April-16	ug/l	<0.12	<0.12		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12			<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12				
Bromochloromethane	October-16	ug/l													<0.12										
Bromochloromethane	November-16	ug/l	<0.12	<0.12		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12				<0.12	<0.12	<0.12	<0.12	<0.12	<0.12				
Bromochloromethane	March-17	ug/l	<0.12	<0.12		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12			<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12				
Bromochloromethane	October-17	ug/L	<0.120	<0.120		<0.120	<0.120	<0.120	<0.120	<0.120	<0.120				<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120				
Bromochloromethane	December-17	ug/L				<0.120					<0.120								<0.120		<0.120				
Bromochloromethane	April-18	ug/L	<0.120	<0.120		<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120			<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120				
Bromochloromethane	July-18	ug/L			<0.540							<0.540													
Bromochloromethane	October-18	ug/L	<0.540	<0.540		<0.540	<0.540		<0.540						<0.540		<0.540								
Bromochloromethane	November-18	ug/L			<0.540			<0.540		<0.540	<0.540	<0.540				<0.540		<0.540	<0.540	<0.540	<0.540				
Bromochloromethane	January-19	ug/L			<0.540																				
Bromochloromethane	March-19	ug/L	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540			<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540				
Bromochloromethane	May-19	ug/L			<0.540															<0.540					
Bromochloromethane	October-19	ug/L	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540			<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540				
Bromochloromethane	March-20	ug/L	<0.540	<0.540		<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540			<0.540	<0.540	<0.540	<0.540	<0.540		<0.540				
Bromochloromethane	April-20	ug/L			<0.540															<0.540					
Bromochloromethane	September-20	ug/L	<0.540	<0.540	<0.540		<0.540	<0.540	<0.540	<0.540	<0.540	<0.540			<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540				
Bromochloromethane	October-20	ug/L				<0.540																			

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Bromochloromethane	March-21	ug/L		<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540					<0.540	<0.540	<0.540				<0.540				
Bromochloromethane	April-21	ug/L	<0.540								<0.540	<0.540						<0.540	<0.540	<0.540					
Bromochloromethane	May-21	ug/L																<0.540							
Bromochloromethane	August-21	ug/L																							
Bromochloromethane	October-21	ug/L	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540			<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540				
Bromochloromethane	December-21	ug/L																<0.540							
Bromochloromethane	February-22	ug/L	<0.540																						<0.540
Bromochloromethane	April-22	ug/L	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540			<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540				<0.540
Bromochloromethane	July-22	ug/L																							<0.540
Bromochloromethane	October-22	ug/L	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540				<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540				<0.540
Bromochloromethane	April-23	ug/L	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540			<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540				<0.540
Bromochloromethane	May-23	ug/L																							
Bromochloromethane	October-23	ug/L	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540				<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540				<0.540
Bromodichloromethane	January-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Bromodichloromethane	March-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Bromodichloromethane	August-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Bromodichloromethane	September-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Bromodichloromethane	October-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Bromodichloromethane	March-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Bromodichloromethane	June-09	ug/l				<5	<1	<1	<1	<1			<1												
Bromodichloromethane	September-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Bromodichloromethane	December-09	ug/l				<10	<10	<10	<1	<1			<1												
Bromodichloromethane	March-10	ug/l				<1	<1	<5	<5	<1	<1	<1	<5	<1											
Bromodichloromethane	June-10	ug/l									<4					<5	<5	<5	<5	<5					
Bromodichloromethane	August-10	ug/l									<1	<1				<1	<1	<1	<1	<1					
Bromodichloromethane	September-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Bromodichloromethane	December-10	ug/l									<1					<1	<1	<1	<1	<1					
Bromodichloromethane	March-11	ug/l		<1		<1	<1	<1	<10	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Bromodichloromethane	April-11	ug/l				<1		<1	<10	<1							<1								
Bromodichloromethane	June-11	ug/l		<1								<1		<1		<1	<1								
Bromodichloromethane	July-11	ug/l	<1																						
Bromodichloromethane	August-11	ug/l		<1																					
Bromodichloromethane	September-11	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1		<1	<1	<1	<1	<1					
Bromodichloromethane	December-11	ug/l	<1	<1										<1		<1	<1								
Bromodichloromethane	March-12	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Bromodichloromethane	June-12	ug/l													<1										
Bromodichloromethane	October-12	ug/l	<1	<1		<1	<1	<1	<1	<1			<1	<1		<1	<1		<1						
Bromodichloromethane	March-13	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1	<1	<1	<1	<1	<1						
Bromodichloromethane	June-13	ug/l																			<1				
Bromodichloromethane	September-13	ug/l	<1	<1		<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1				
Bromodichloromethane	November-13	ug/l																			<1				
Bromodichloromethane	March-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1				
Bromodichloromethane	June-14	ug/l																		<1	<1				
Bromodichloromethane	September-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
Bromodichloromethane	December-14	ug/l															<1								
Bromodichloromethane	April-15	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1				
Bromodichloromethane	October-15	ug/l	<0.12	<0.12		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12				<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12				
Bromodichloromethane	April-16	ug/l	<0.12	<0.12		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12			<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12				
Bromodichloromethane	October-16	ug/l													<0.12										
Bromodichloromethane	November-16	ug/l	<0.12	<0.12		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12				<0.12	<0.12	<0.12	<0.12	<0.12	<0.12				
Bromodichloromethane	March-17	ug/l	<0.12	<0.12		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12			<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12				
Bromodichloromethane	October-17	ug/L	<0.120	<0.120		<0.120	<0.120	<0.120	<0.120	<0.120	<0.120				<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120				
Bromodichloromethane	December-17	ug/L				<0.120					<0.120								<0.120		<0.120				
Bromodichloromethane	April-18	ug/L	<0.120	<0.120		<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120			<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120				
Bromodichloromethane	July-18	ug/L			<0.390							<0.390													
Bromodichloromethane	October-18	ug/L	<0.390	<0.390		<0.390	<0.390		<0.390						<0.390		<0.390								
Bromodichloromethane	November-18	ug/L			<0.390			<0.390		<0.390	<0.390	<0.390				<0.390		<0.390	<0.390	<0.390	<0.390				
Bromodichloromethane	January-19	ug/L			<0.390																				
Bromodichloromethane	March-19	ug/L	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390			<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390				
Bromodichloromethane	May-19	ug/L			<0.390															<0.390					
Bromodichloromethane	October-19	ug/L	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390			<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390				
Bromodichloromethane	March-20	ug/L	<0.390	<0.390		<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390			<0.390	<0.390	<0.390	<0.390	<0.390		<0.390				
Bromodichloromethane	April-20	ug/L			<0.390															<0.390					
Bromodichloromethane	September-20	ug/L	<0.390	<0.390	<0.390		<0.390	<0.390	<0.390	<0.390	<0.390	<0.390			<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390				
Bromodichloromethane	October-20	ug/L				<0.390																			

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Bromodichloromethane	March-21	ug/L		<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390					<0.390	<0.390	<0.390				<0.390				
Bromodichloromethane	April-21	ug/L	<0.390								<0.390	<0.390						<0.390	<0.390	<0.390					
Bromodichloromethane	May-21	ug/L																<0.390							
Bromodichloromethane	August-21	ug/L																							
Bromodichloromethane	October-21	ug/L	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390			<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390				
Bromodichloromethane	December-21	ug/L																<0.390							
Bromodichloromethane	February-22	ug/L	<0.390																						<0.390
Bromodichloromethane	April-22	ug/L	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390			<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390				<0.390
Bromodichloromethane	July-22	ug/L																							<0.390
Bromodichloromethane	October-22	ug/L	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390				<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390				<0.390
Bromodichloromethane	April-23	ug/L	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390			<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390				<0.390
Bromodichloromethane	May-23	ug/L																							
Bromodichloromethane	October-23	ug/L	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390				<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390				<0.390
Bromoform	January-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Bromoform	March-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Bromoform	August-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Bromoform	September-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Bromoform	October-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Bromoform	March-09	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Bromoform	June-09	ug/l				<25	<5	<5	<5	<5			<5												
Bromoform	September-09	ug/l				<5	<5	<5	<5	<5	<5	<5		<5											
Bromoform	December-09	ug/l				<50	<50	<50	<20	<20			<20												
Bromoform	March-10	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Bromoform	June-10	ug/l									<5					<5	<5	<5	<5	<5					
Bromoform	August-10	ug/l									<5	<5				<5	<5	<5	<5	<5					
Bromoform	September-10	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5					
Bromoform	December-10	ug/l									<10					<10	<10	<10	<10	<10					
Bromoform	March-11	ug/l		<5		<10	<5	<5	<100	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5					
Bromoform	April-11	ug/l				<5		<5	<50	<5							<5								
Bromoform	June-11	ug/l		<5								<5		<5		<5	<5								
Bromoform	July-11	ug/l	<5																						
Bromoform	August-11	ug/l		<5																					
Bromoform	September-11	ug/l	<5	<5		<5	<5	<5	<50	<5	<5		<5	<5		<5	<5	<5	<5	<5					
Bromoform	December-11	ug/l	<5	<5										<5		<5	<5								
Bromoform	March-12	ug/l	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5					
Bromoform	June-12	ug/l													<5										
Bromoform	October-12	ug/l	<5	<5		<5	<5	<5	<5	<5			<5	<5		<5	<5		<5						
Bromoform	March-13	ug/l	<5	<5		<5	<5	<5	<50	<5	<5		<5	<5	<5	<5	<5	<5	<5						
Bromoform	June-13	ug/l																			<5				
Bromoform	September-13	ug/l	<5	<5		<5	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5				
Bromoform	November-13	ug/l																			<5				
Bromoform	March-14	ug/l	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5				
Bromoform	June-14	ug/l																		<5	<5				
Bromoform	September-14	ug/l	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5				
Bromoform	December-14	ug/l															<5								
Bromoform	April-15	ug/l	<5	<5		<5	<5	<5	<5	<5	<5	<5			<5	<5	<5	<5	<5	<5	<5				
Bromoform	October-15	ug/l	<0.14	<0.14		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14				<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14				
Bromoform	April-16	ug/l	<0.14	<0.14		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14			<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14				
Bromoform	October-16	ug/l													<0.14										
Bromoform	November-16	ug/l	<0.14	<0.14		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14				<0.14	<0.14	<0.14	<0.14	<0.14	<0.14				
Bromoform	March-17	ug/l	<0.14	<0.14		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14			<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14				
Bromoform	October-17	ug/L	<0.140	<0.140		<0.140	<0.140	<0.140	<0.140	<0.140	<0.140				<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140				
Bromoform	December-17	ug/L				<0.140					<0.140								<0.140		<0.140				
Bromoform	April-18	ug/L	<0.140	<0.140		<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140			<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140				
Bromoform	July-18	ug/L			<0.780							<0.780													
Bromoform	October-18	ug/L	<0.780	<0.780		<0.780	<0.780		<0.780						<0.780		<0.780								
Bromoform	November-18	ug/L			<0.780			<0.780		<0.780	<0.780	<0.780				<0.780		<0.780	<0.780	<0.780	<0.780				
Bromoform	January-19	ug/L			<0.780																				
Bromoform	March-19	ug/L	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780			<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780				
Bromoform	May-19	ug/L			<0.780															<0.780					
Bromoform	October-19	ug/L	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780			<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780				
Bromoform	March-20	ug/L	<0.780	<0.780		<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780			<0.780	<0.780	<0.780	<0.780	<0.780		<0.780				
Bromoform	April-20	ug/L			<0.780															<0.780					
Bromoform	September-20	ug/L	<0.780	<0.780	<0.780		<0.780	<0.780	<0.780	<0.780	<0.780	<0.780			<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780				
Bromoform	October-20	ug/L				<0.780																			

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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Bromoform	March-21	ug/L		<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780					<0.780	<0.780	<0.780				<0.780				
Bromoform	April-21	ug/L	<0.780								<0.780	<0.780						<0.780	<0.780	<0.780					
Bromoform	May-21	ug/L																<0.780							
Bromoform	August-21	ug/L																							
Bromoform	October-21	ug/L	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780			<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780				
Bromoform	December-21	ug/L																<0.780							
Bromoform	February-22	ug/L	<0.780																						<0.780
Bromoform	April-22	ug/L	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780			<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780				<0.780
Bromoform	July-22	ug/L																							<0.780
Bromoform	October-22	ug/L	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780				<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780				<0.780
Bromoform	April-23	ug/L	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780			<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780				<0.780
Bromoform	May-23	ug/L																							
Bromoform	October-23	ug/L	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780				<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780				<0.780
Bromomethane	January-08	ug/l				<4	<4	<4	<4	<4	<4	<4	<4	<4											
Bromomethane	March-08	ug/l				<4	<4	<4	<4	<4	<4	<4	<4	<4											
Bromomethane	August-08	ug/l				<4	<4	<4	<4	<4	<4	<4	<4	<4											
Bromomethane	September-08	ug/l				<4	<4	<4	<4	<4	<4	<4	<4	<4											
Bromomethane	October-08	ug/l				<4	<4	<4	<4	<4	<4	<4	<4	<4											
Bromomethane	March-09	ug/l				<4	<4	<4	<4	<4	<4	<4	<4	<4											
Bromomethane	June-09	ug/l				<20	<4	<4	<4	<4			<4												
Bromomethane	September-09	ug/l				<4	<4	<4	<4	<4	<4	<4	<4	<4											
Bromomethane	December-09	ug/l				<4	<4	<4	<4	<4			<4												
Bromomethane	March-10	ug/l				<4	<4	<10	<10	<4	<4	<4	<10	<4											
Bromomethane	June-10	ug/l									<4					<4	<4	<4	<4	<4					
Bromomethane	August-10	ug/l									<4	<4				<4	<4	<4	<4	<4					
Bromomethane	September-10	ug/l				<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	<4	<4	<4	<4					
Bromomethane	December-10	ug/l									<4					<4	<4	<4	<4	<4					
Bromomethane	March-11	ug/l		<4		<4	<4	<4	<40	<4	<4	<4	<4	<4		<4	<4	<4	<4	<4					
Bromomethane	April-11	ug/l				<4		<4	<40	<4							<4								
Bromomethane	June-11	ug/l		<20								<20		<20		<20	<20								
Bromomethane	July-11	ug/l	<4																						
Bromomethane	August-11	ug/l		<4																					
Bromomethane	September-11	ug/l	<4	<4		<4	<4	<4	<40	<4	<4		<4	<4		<4	<4	<4	<4	<4					
Bromomethane	December-11	ug/l	<4	<20										<4		<4	<4								
Bromomethane	March-12	ug/l	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	<4	<4	<4	<4					
Bromomethane	June-12	ug/l													<4										
Bromomethane	October-12	ug/l	<20	<20		<20	<20	<20	<20	<20			<20	<20		<20	<20		<20						
Bromomethane	March-13	ug/l	<4	<4		<4	<4	<4	<40	<4	<4		<4	<4	<4	<4	<4	<4	<4						
Bromomethane	June-13	ug/l																			<4				
Bromomethane	September-13	ug/l	<4	**0.765J**		<4	<4	<4	<4	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4				
Bromomethane	November-13	ug/l																			<4				
Bromomethane	March-14	ug/l	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4				
Bromomethane	June-14	ug/l																		<4	<4				
Bromomethane	September-14	ug/l	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4				
Bromomethane	December-14	ug/l															<4								
Bromomethane	April-15	ug/l	<4	<4		<4	<4	<4	**0.327J**	<4	<4	<4			<4	<4	<4	<4	<4	<4	<4				
Bromomethane	October-15	ug/l	<0.22	<0.22		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22				<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22				
Bromomethane	April-16	ug/l	<0.22	<0.22		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22			<0.22	<0.22	<0.22	<0.22	<0.22	**0.286J**	**0.301J**				
Bromomethane	October-16	ug/l													<0.22										
Bromomethane	November-16	ug/l	**0.43J**	<0.22		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22				<0.22	<0.22	<0.22	<0.22	<0.22	<0.22				
Bromomethane	March-17	ug/l	**0.222J**	<0.22		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22			**0.286J**	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22				
Bromomethane	October-17	ug/L	<0.220	<0.220		<0.220	<0.220	<0.220	<0.220	<0.220	<0.220				<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220				
Bromomethane	December-17	ug/L				<0.220					<0.220								<0.220		<0.220				
Bromomethane	April-18	ug/L	<0.220	<0.220		<0.220	<0.220	<0.220	**0.346J**	<0.220	<0.220	<0.220			<0.220	**0.222J**	<0.220	<0.220	<0.220	<0.220	<0.220				
Bromomethane	July-18	ug/L			<1.10							<1.10													
Bromomethane	October-18	ug/L	<1.10	<1.10		<1.10	<1.10		<1.10						<1.10		<1.10								
Bromomethane	November-18	ug/L			<1.10			<1.10		<1.10	<1.10	<1.10				<1.10		<1.10	<1.10	<1.10	<1.10				
Bromomethane	January-19	ug/L			<1.10																				
Bromomethane	March-19	ug/L	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10			<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10				
Bromomethane	May-19	ug/L			<1.10															<1.10					
Bromomethane	October-19	ug/L	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10			<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10				
Bromomethane	March-20	ug/L	<1.10	<1.10		<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10			<1.10	<1.10	<1.10	<1.10	<1.10		<1.10				
Bromomethane	April-20	ug/L			<1.10															<1.10					
Bromomethane	September-20	ug/L	<1.10	<1.10	<1.10		<1.10	<1.10	<1.10	<1.10	<1.10	<1.10			<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10				
Bromomethane	October-20	ug/L				<1.10																			

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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Bromomethane	March-21	ug/L		<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10					<1.10	<1.10	<1.10				<1.10				
Bromomethane	April-21	ug/L	<1.10								<1.10	<1.10						<1.10	<1.10	<1.10					
Bromomethane	May-21	ug/L																<1.10							
Bromomethane	August-21	ug/L																							
Bromomethane	October-21	ug/L	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10			<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10				
Bromomethane	December-21	ug/L																<1.10							
Bromomethane	February-22	ug/L	<1.10																						<1.10
Bromomethane	April-22	ug/L	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10			<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10				<1.10
Bromomethane	July-22	ug/L																							<1.10
Bromomethane	October-22	ug/L	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10				<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10				<1.10
Bromomethane	April-23	ug/L	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10			<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10				<1.10
Bromomethane	May-23	ug/L																							
Bromomethane	October-23	ug/L	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10				<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10				<1.10
Butyl benzyl phthalate	March-09	ug/l					<10	<10	<10																
Butyl benzyl phthalate	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Butyl benzyl phthalate	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Butyl benzyl phthalate	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Butyl benzyl phthalate	March-10	ug/l				<10				<10			<10												
Butyl benzyl phthalate	June-10	ug/l									<10														
Butyl benzyl phthalate	August-10	ug/l									<10	<10													
Butyl benzyl phthalate	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Butyl benzyl phthalate	December-10	ug/l									<10														
Butyl benzyl phthalate	March-11	ug/l										<10		<10											
Butyl benzyl phthalate	June-11	ug/l										<10		<10		<10	<10								
Butyl benzyl phthalate	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Butyl benzyl phthalate	December-11	ug/l												<10		<10	<10								
Butyl benzyl phthalate	March-12	ug/l														<10	<10								
Butyl benzyl phthalate	December-14	ug/l															<10.2								
Butyl benzyl phthalate	October-16	ug/l													<0.354										
Butyl benzyl phthalate	November-16	ug/l						<0.34	<0.34	<0.37						<0.382	<0.378								
Butyl benzyl phthalate	October-17	ug/L					<0.358																		
Butyl benzyl phthalate	December-17	ug/L				<0.362					<0.354								<0.354		<0.354				
Butyl benzyl phthalate	July-18	ug/L			<1.55							<1.59													
Butyl benzyl phthalate	November-18	ug/L			<1.58							<1.59													
Butyl benzyl phthalate	May-19	ug/L																		<1.55					
Butyl benzyl phthalate	October-21	ug/L						<1.58	<1.58	<1.53						<1.56	<1.58								
Butyl benzyl phthalate	December-21	ug/L																<1.58							
Butyl benzyl phthalate	October-22	ug/L				<4.58	<4.58				<4.58								<4.58		<4.74				
Cadmium	January-08	mg/l				<0.0005	**0.000986**	<0.0005	<0.0005	<0.0005	**0.000509**	<0.0005	<0.0005	<0.0005											
Cadmium	March-08	mg/l				<0.0005	**0.0008**	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005											
Cadmium	August-08	mg/l				<0.0005	**0.000969**	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005											
Cadmium	September-08	mg/l				<0.0005	**0.00137**	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005											
Cadmium	October-08	mg/l				<0.0005	**0.00145**	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005											
Cadmium	March-09	mg/l				<0.0005	**0.000701**	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005											
Cadmium	June-09	mg/l				<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005												
Cadmium	September-09	mg/l				<0.0005	**0.00154**	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005											
Cadmium	December-09	mg/l				<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005												
Cadmium	March-10	mg/l				<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005											
Cadmium	June-10	mg/l									<0.0005					<0.0005	<0.0005	<0.0005	<0.0005	<0.0005					
Cadmium	August-10	mg/l									<0.0005	<0.0005				<0.0005	<0.0005	<0.0005	<0.0005	<0.0005					
Cadmium	September-10	mg/l				<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005					
Cadmium	December-10	mg/l									<0.0005					<0.0005	<0.0005	<0.0005	<0.0005	<0.0005					
Cadmium	March-11	mg/l		<0.0005		<0.0005	**0.000505**	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005					
Cadmium	June-11	mg/l		<0.0005								<0.0005		<0.0005		<0.0005	<0.0005								
Cadmium	July-11	mg/l	<0.0005																						
Cadmium	August-11	mg/l		<0.0005																					
Cadmium	September-11	mg/l	<0.0005	<0.0005		<0.0005	**0.00059**	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005					
Cadmium	December-11	mg/l	<0.0005	<0.0005										<0.0005		<0.0005	<0.0005								
Cadmium	March-12	mg/l	<0.0005	<0.0005		<0.0005	**0.000578**	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005					
Cadmium	April-12	mg/l													**0.00212**										
Cadmium	June-12	mg/l													**0.00148**										
Cadmium	October-12	mg/l	<0.0005	<0.0005		<0.0005	**0.000537**	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005						
Cadmium	March-13	mg/l	<0.0005	<0.0005		<0.0005	**0.000526**	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005	**0.00028J**	**0.00123**	<0.0005	<0.0005	**0.000359J**						
Cadmium	June-13	mg/l																			<0.0005				
Cadmium	September-13	mg/l	<0.0005	<0.0005		<0.0005	**0.000329J**	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005	**0.00119**	<0.0005	<0.0005	**0.00214**	<0.0005	<0.0005	**0.00043J**				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Cadmium	November-13	mg/l																			**0.000229J**				
Cadmium	December-13	mg/l																**0.00174**							
Cadmium	March-14	mg/l	<0.0005	<0.0005		<0.0005	**0.00033J**	**0.000144J**	**0.000086J**	**0.000115J**	**0.000121J**	**0.0000839J**	**0.0000952J**	**0.0000759J**	<0.0005	**0.000442J**	<0.0005	**0.000883**	<0.0005		<0.0005				
Cadmium	June-14	mg/l																		**0.000212J**	**0.00588**				
Cadmium	September-14	mg/l	<0.0005	<0.0005		<0.0005	**0.000113J**	<0.0005	<0.0005	<0.0005	**0.00149**	<0.0005	<0.0005	<0.0005	<0.0005	**0.000449J**	<0.0005	**0.000291J**	**0.000221J**	<0.0005	<0.0005				
Cadmium	December-14	mg/l															<0.0005								
Cadmium	April-15	mg/l	<0.0005	<0.0005		<0.0005	**0.000202J**	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005	<0.0005	**0.000799**	**0.000272J**	<0.0005	<0.0005				
Cadmium	October-15	mg/l	<0.000112	<0.000112		<0.000112	**0.000175J**	<0.000112	<0.000112	<0.0000351	**0.000158J**				<0.000112	**0.000228J**	<0.0000351	**0.00013J**	**0.000129J**	<0.000112	<0.0000351				
Cadmium	April-16	mg/l	<0.0000351	<0.0000351		<0.0000351	**0.000092J**	<0.0000351	<0.0000351	<0.0000351	**0.000087J**	<0.0000351			<0.0000351	**0.000073J**	<0.0000351	<0.0000351	<0.0000351	<0.0000351	<0.0000351				
Cadmium	October-16	mg/l													<0.0000351										
Cadmium	November-16	mg/l	<0.0000351	<0.0000351		<0.0000351	**0.00014J**	<0.0000351	<0.0000351	<0.0000351	**0.000218**	**0.000065**				**0.000244J**	**0.000061J**	**0.000401J**	**0.000043**	**0.000052J**	<0.0000351				
Cadmium	March-17	mg/l	<0.0000441	<0.0000441		<0.0000441	**0.000116J**	**0.000153J**	<0.0000441	<0.0000441	**0.000124J**	<0.0000441			<0.0000441	**0.000067J**	<0.0000441	**0.00043J**	<0.0000441	<0.0000441	<0.0000441				
Cadmium	October-17	mg/L	<0.0000441	<0.0000441		<0.0000441	**0.000132J**	<0.0000441	<0.0000441	<0.0000441	**0.000448J**				<0.0000441	**0.000094J**	<0.0000441	<0.0000441	<0.0000441	<0.0000441	<0.0000441				
Cadmium	December-17	mg/L				<0.0000441					**0.000399J**								**0.000094J**		<0.0000441				
Cadmium	April-18	mg/L	<0.0000600	**0.000398J**		<0.0000600	**0.000268J**	<0.0000600	<0.0000600	<0.0000600	**0.000101J**	**0.00013J**			<0.0000600	**0.000599**	<0.0000600	**0.000119J**	**0.000084J**	<0.0000600	<0.0000600				
Cadmium	July-18	mg/L			<0.0000600							**0.000155J**													
Cadmium	October-18	mg/L	<0.0000600	<0.0000600		<0.0000600	**0.000118J**		<0.0000600						**0.000065J**		<0.0000600								
Cadmium	November-18	mg/L			<0.0000600			<0.0000600		<0.0000600	**0.00009J**	<0.0000600				**0.000182J**		<0.0000600	<0.0000600	<0.0000600	**0.000063J**				
Cadmium	January-19	mg/L			<0.0000600																				
Cadmium	March-19	mg/L	<0.0000770	<0.0000770	<0.0000770	<0.0000770	**0.000121J**	<0.0000770	<0.0000770	<0.0000770	<0.0000770	<0.0000770			<0.0000770	<0.0000770	<0.0000770	<0.0000770	<0.0000770	<0.0000770	<0.0000770				
Cadmium	May-19	mg/L			<0.000167															<0.000167					
Cadmium	October-19	mg/L	<0.0000390	<0.0000390	<0.0000390	**0.000068J**	**0.000123**	<0.0000390	<0.0000390	<0.0000390	**0.000117**	**0.000081J**			<0.0000390	**0.000299**	<0.0000390	<0.0000390	**0.000117**	<0.0000390	<0.0000390				
Cadmium	March-20	mg/L	<0.0000390	<0.0000390		**0.000209**	**0.000068J**	<0.0000390	<0.0000390	<0.0000390	<0.0000390	<0.0000390			<0.0000390	**0.00017**	<0.0000390	<0.0000390	<0.0000390		<0.0000390				
Cadmium	April-20	mg/L			<0.0000390															**0.000062J**					
Cadmium	September-20	mg/L	<0.0000490	<0.0000490	<0.0000490		**0.000087J**	<0.0000490	<0.0000490	<0.0000490	**0.00018**	<0.0000490			<0.0000490	**0.000165**	<0.0000490	<0.0000490	**0.000064J**	<0.0000490	<0.0000490				
Cadmium	October-20	mg/L				**0.00009J**																			
Cadmium	November-20	mg/L	<0.0000490																						
Cadmium	December-20	mg/L	<0.0000490																						
Cadmium	March-21	mg/L		<0.0000510	<0.0000510	**0.0000780J**	**0.0000630J**	<0.0000510	<0.0000510	<0.0000510					<0.0000510	**0.000067J**	<0.0000510				**0.000059J**				
Cadmium	April-21	mg/L	<0.0000510								<0.0000510	<0.0000510						**0.000371**	<0.0000510	**0.000127**					
Cadmium	May-21	mg/L																**0.00036**							
Cadmium	August-21	mg/L																							
Cadmium	October-21	mg/L	<0.0000510	<0.0000510	<0.0000510	**0.000149**	**0.000096J**	<0.0000510	<0.0000510	<0.0000510	**0.000368**	<0.0000510			**0.000139**	**0.000057J**	<0.0000510	**0.000443**	<0.0000510	**0.000063J**	<0.0000510				
Cadmium	December-21	mg/L																**0.000129**							
Cadmium	February-22	mg/L	<0.0000550																						<0.0000550
Cadmium	April-22	mg/L	<0.0000550	<0.0000550	<0.0000550	<0.0000550	**0.000185**	**0.000122**	<0.0000550	<0.0000550	<0.0000550	**0.000078J**			<0.0000550	<0.0000550	<0.0000550	**0.000924**	<0.0000550	**0.00014**	<0.0000550				<0.0000550
Cadmium	July-22	mg/L																							<0.0000550
Cadmium	October-22	mg/L	<0.0000550	<0.0000550	<0.0000550	**0.000132**	**0.00018**	<0.0000550	<0.0000550	<0.0000550	**0.000659**				**0.000081J**	**0.000084J**	<0.0000550	<0.0000550	<0.0000550	**0.000085J**	<0.0000550				<0.0000550
Cadmium	April-23	mg/L	<0.000100	<0.000100	<0.000100	<0.000100	**0.000144J**	<0.000100	<0.000100	<0.000100	**0.000177J**	<0.000100			<0.000100	<0.000100	<0.000100	**0.00629**	<0.000100	<0.000100	<0.000100				**0.000102J**
Cadmium	May-23	mg/L																							
Cadmium	June-23	mg/L																**0.00607**							
Cadmium	October-23	mg/L	<0.000100	<0.000100	<0.000100	**0.000134J**	**0.00053**	<0.000100	<0.000100	<0.000100	**0.000488**				<0.000100	<0.000100	**0.00026**	**0.00172**	<0.000100	<0.000100	<0.000100				<0.000100
Cadmium, Dissolved	December-20	mg/L	**0.00025**																						
Carbon Disulfide	January-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Carbon Disulfide	March-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Carbon Disulfide	August-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Carbon Disulfide	September-08	ug/l				**0.23J**	<1	<1	<1	<1	<1	<1	<1	<1											
Carbon Disulfide	October-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Carbon Disulfide	March-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Carbon Disulfide	June-09	ug/l				<5	<1	<1	<1	<1			<1												
Carbon Disulfide	September-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Carbon Disulfide	December-09	ug/l				<10	<10	<10	<1	<1			<1												
Carbon Disulfide	March-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Carbon Disulfide	June-10	ug/l									<1					<5	<5	<5	<5	<5					
Carbon Disulfide	August-10	ug/l									<4	<4				<4	<4	<4	<4	<4					
Carbon Disulfide	September-10	ug/l				<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	<4	<4	<4	<4					
Carbon Disulfide	December-10	ug/l									<1					<1	<1	<1	<1	<1					
Carbon Disulfide	March-11	ug/l		<1		<1	<1	<1	<10	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Carbon Disulfide	April-11	ug/l				<1		<1	<10	<1							<1								
Carbon Disulfide	June-11	ug/l		<1								<1		<1		<1	<1								
Carbon Disulfide	July-11	ug/l	<1																						
Carbon Disulfide	August-11	ug/l		<1																					
Carbon Disulfide	September-11	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1		<1	<1	<1	<1	<1					
Carbon Disulfide	December-11	ug/l	<1	<1										<1		<1	<1								
Carbon Disulfide	March-12	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Carbon Disulfide	June-12	ug/l													<1										
Carbon Disulfide	October-12	ug/l	<1	<1		<1	<1	<1	<1	<1			<1	<1		<1	<1		<1						
Carbon Disulfide	March-13	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1	<1	<1	<1	<1	<1						
Carbon Disulfide	June-13	ug/l																			<1				
Carbon Disulfide	September-13	ug/l	<1	<1		<1	<1	<1	<1	<1	<1		<1	<1	**0.273J**	<1	<1	<1	<1	<1	<1				
Carbon Disulfide	November-13	ug/l																			<1				
Carbon Disulfide	March-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1				
Carbon Disulfide	June-14	ug/l																		<1	<1				
Carbon Disulfide	September-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
Carbon Disulfide	December-14	ug/l															<1								
Carbon Disulfide	April-15	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1				
Carbon Disulfide	October-15	ug/l	<0.15	<0.15		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				
Carbon Disulfide	April-16	ug/l	<0.15	<0.15		<0.15	<0.15	<0.15	<0.15	**0.231J**	<0.15	<0.15			<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				
Carbon Disulfide	October-16	ug/l													<0.15										
Carbon Disulfide	November-16	ug/l	<0.15	<0.15		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				
Carbon Disulfide	March-17	ug/l	<0.15	<0.15		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15			<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				
Carbon Tetrachloride	January-08	ug/l				<2	<2	<2	<2	<2	<2	<2	<2	<2											
Carbon Tetrachloride	March-08	ug/l				<2	<2	**3.08**	<2	**2.93**	<2	<2	<2	<2											
Carbon Tetrachloride	August-08	ug/l				<2	<2	<2	<2	<2	<2	<2	<2	<2											
Carbon Tetrachloride	September-08	ug/l				<2	<2	<2	<2	<2	<2	<2	<2	<2											
Carbon Tetrachloride	October-08	ug/l				<2	<2	<2	<2	<2	<2	<2	<2	<2											
Carbon Tetrachloride	March-09	ug/l				<2	<2	<2	<2	<2	<2	<2	<2	<2											
Carbon Tetrachloride	June-09	ug/l				<10	<2	<2	<2	<2			<2												
Carbon Tetrachloride	September-09	ug/l				<2	<2	<2	<2	<2	<2	<2	<2	<2											
Carbon Tetrachloride	December-09	ug/l				<5	<5	<5	<2	<2			<2												
Carbon Tetrachloride	March-10	ug/l				<2	<2	<10	<10	<2	<2	<2	<10	<2											
Carbon Tetrachloride	June-10	ug/l									<4					<4	<4	<4	<4	<4					
Carbon Tetrachloride	August-10	ug/l									<5	<5				<5	<5	<5	<5	<5					
Carbon Tetrachloride	September-10	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5					
Carbon Tetrachloride	December-10	ug/l									<5					<5	<5	<5	<5	<5					
Carbon Tetrachloride	March-11	ug/l		<2		<2	<2	<2	<20	<2	<2	<2	<2	<2		<2	<2	<2	<2	<2					
Carbon Tetrachloride	April-11	ug/l				<2		<2	<20	<2							<2								
Carbon Tetrachloride	June-11	ug/l		<2								<2		<2		<2	<2								
Carbon Tetrachloride	July-11	ug/l	<2																						
Carbon Tetrachloride	August-11	ug/l		<2																					
Carbon Tetrachloride	September-11	ug/l	<2	<2		<4	<4	<4	<40	<2	<2		<4	<4		<4	<4	<2	<2	<2					
Carbon Tetrachloride	December-11	ug/l	<2	<2										<2		<2	<2								
Carbon Tetrachloride	March-12	ug/l	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2		<2	<2	<2	<2	<2					
Carbon Tetrachloride	June-12	ug/l													<2										
Carbon Tetrachloride	October-12	ug/l	<2	<2		<2	<2	<2	<2	<2			<2	<2		<2	<2		<2						
Carbon Tetrachloride	March-13	ug/l	<2	<2		<2	<2	<2	<20	<2	<2		<2	<2	<2	<2	<2	<2	<2						
Carbon Tetrachloride	June-13	ug/l																			<2				
Carbon Tetrachloride	September-13	ug/l	<2	<2		<2	<2	<2	<2	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2				
Carbon Tetrachloride	November-13	ug/l																			<2				
Carbon Tetrachloride	March-14	ug/l	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2		<2				
Carbon Tetrachloride	June-14	ug/l																		<2	<2				
Carbon Tetrachloride	September-14	ug/l	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2				
Carbon Tetrachloride	December-14	ug/l															<2								
Carbon Tetrachloride	April-15	ug/l	<2	<2		<2	<2	<2	<2	<2	<2	<2			<2	<2	<2	<2	<2	<2	<2				
Carbon Tetrachloride	October-15	ug/l	<0.24	<0.24		<0.24	<0.24	<0.24	<0.24	<0.24	<0.24				<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24				
Carbon Tetrachloride	April-16	ug/l	<0.24	<0.24		<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24			<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24				
Carbon Tetrachloride	October-16	ug/l													<0.24										
Carbon Tetrachloride	November-16	ug/l	<0.24	<0.24		<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24				<0.24	<0.24	<0.24	<0.24	<0.24	<0.24				
Carbon Tetrachloride	March-17	ug/l	<0.24	<0.24		<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24			<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24				
Carbon disulfide	October-17	ug/L	<0.150	<0.150		<0.150	<0.150	<0.150	**0.161J**	<0.150	<0.150				<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150				
Carbon disulfide	December-17	ug/L				**0.993J**					<0.150								**0.581J**		**0.324J**				
Carbon disulfide	April-18	ug/L	<0.150	<0.150		<0.150	<0.150	<0.150	**0.384J**	<0.150	<0.150	<0.150			**0.18J**	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150				
Carbon disulfide	July-18	ug/L			<0.450							<0.450													
Carbon disulfide	October-18	ug/L	<0.450	<0.450		<0.450	<0.450		<0.450						<0.450		<0.450								
Carbon disulfide	November-18	ug/L			<0.450			<0.450		<0.450	<0.450	<0.450				<0.450		<0.450	<0.450	<0.450	<0.450				
Carbon disulfide	January-19	ug/L			<0.450																				
Carbon disulfide	March-19	ug/L	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450			<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450				
Carbon disulfide	May-19	ug/L			<0.450															<0.450					
Carbon disulfide	October-19	ug/L	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450			<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450				
Carbon disulfide	March-20	ug/L	<0.450	<0.450		<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450			<0.450	<0.450	<0.450	<0.450	<0.450		<0.450				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Carbon disulfide	April-20	ug/L			<0.450															<0.450					
Carbon disulfide	September-20	ug/L	<0.450	<0.450	<0.450		<0.450	<0.450	<0.450	<0.450	<0.450	<0.450			<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450				
Carbon disulfide	October-20	ug/L				<0.450																			
Carbon disulfide	March-21	ug/L		<0.450	**0.679J**	<0.450	<0.450	<0.450	<0.450	<0.450					<0.450	<0.450	<0.450				<0.450				
Carbon disulfide	April-21	ug/L	<0.450								<0.450	<0.450						<0.450	<0.450	<0.450					
Carbon disulfide	May-21	ug/L																<0.450							
Carbon disulfide	August-21	ug/L																							
Carbon disulfide	October-21	ug/L	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450			<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450				
Carbon disulfide	December-21	ug/L																<0.450							
Carbon disulfide	February-22	ug/L	<0.450																						<0.450
Carbon disulfide	April-22	ug/L	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450			<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450				<0.450
Carbon disulfide	July-22	ug/L																							<0.450
Carbon disulfide	October-22	ug/L	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450				<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450				<0.450
Carbon disulfide	April-23	ug/L	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450			<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450				<0.450
Carbon disulfide	May-23	ug/L																							
Carbon disulfide	October-23	ug/L	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450				<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450				<0.450
Carbon tetrachloride	October-17	ug/L	<0.240	<0.240		<0.240	<0.240	<0.240	<0.240	<0.240	<0.240				<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240				
Carbon tetrachloride	December-17	ug/L				<0.240					<0.240								<0.240		<0.240				
Carbon tetrachloride	April-18	ug/L	<0.240	<0.240		<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240			<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240				
Carbon tetrachloride	July-18	ug/L			<0.650							<0.650													
Carbon tetrachloride	October-18	ug/L	<0.650	<0.650		<0.650	<0.650		<0.650						<0.650		<0.650								
Carbon tetrachloride	November-18	ug/L			<0.650			<0.650		<0.650	<0.650	<0.650				<0.650		<0.650	<0.650	<0.650	<0.650				
Carbon tetrachloride	January-19	ug/L			<0.650																				
Carbon tetrachloride	March-19	ug/L	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650			<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650				
Carbon tetrachloride	May-19	ug/L			<0.650															<0.650					
Carbon tetrachloride	October-19	ug/L	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650			<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650				
Carbon tetrachloride	March-20	ug/L	<0.650	<0.650		<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650			<0.650	<0.650	<0.650	<0.650	<0.650		<0.650				
Carbon tetrachloride	April-20	ug/L			<0.650															<0.650					
Carbon tetrachloride	September-20	ug/L	<0.650	<0.650	<0.650		<0.650	<0.650	<0.650	<0.650	<0.650	<0.650			<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650				
Carbon tetrachloride	October-20	ug/L				<0.650																			
Carbon tetrachloride	March-21	ug/L		<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650					<0.650	<0.650	<0.650				<0.650				
Carbon tetrachloride	April-21	ug/L	<0.650								<0.650	<0.650						<0.650	<0.650	<0.650					
Carbon tetrachloride	May-21	ug/L																<0.650							
Carbon tetrachloride	August-21	ug/L																							
Carbon tetrachloride	October-21	ug/L	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650			<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650				
Carbon tetrachloride	December-21	ug/L																<0.650							
Carbon tetrachloride	February-22	ug/L	<0.650																						<0.650
Carbon tetrachloride	April-22	ug/L	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650			<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650				<0.650
Carbon tetrachloride	July-22	ug/L																							<0.650
Carbon tetrachloride	October-22	ug/L	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650				<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650				<0.650
Carbon tetrachloride	April-23	ug/L	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650			<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650				<0.650
Carbon tetrachloride	May-23	ug/L																							
Carbon tetrachloride	October-23	ug/L	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650				<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650				<0.650
Chlordane	March-09	ug/l					<2	<2	<2																
Chlordane	June-09	ug/l				<2	<2	<2	<2	<2			<2												
Chlordane	September-09	ug/l				<2	<2	<2	<2	<2			<2												
Chlordane	December-09	ug/l				<2	<2	<2	<2	<2			<2												
Chlordane	March-10	ug/l				<2				<2			<2												
Chlordane	June-10	ug/l									<2														
Chlordane	August-10	ug/l									<2	<2													
Chlordane	September-10	ug/l				<2	<2	<2	<2	<2	<2	<2	<2												
Chlordane	December-10	ug/l									<2														
Chlordane	March-11	ug/l					<2	<2	<2	<2	<2	<2	<2	<2											
Chlordane	June-11	ug/l										<2		<2		<2.45	<2								
Chlordane	September-11	ug/l				<2	<2	<2	<2	<2	<2		<2	<2		<2	<2								
Chlordane	December-11	ug/l												<2		<2	<2								
Chlordane	March-12	ug/l														<2	<2								
Chlordane	December-14	ug/l															<2.2								
Chlordane	October-16	ug/l													<0.0667										
Chlordane	November-16	ug/l						<0.066	<0.064	<0.0688						<0.066	<0.066								
Chlordane	October-17	ug/L					<0.0667																		
Chlordane	December-17	ug/L				<0.0667					<0.0667								<0.0667		<0.0667				
Chlordane	July-18	ug/L			<0.0646							<0.0667													
Chlordane	November-18	ug/L			<0.0660							<0.0660													
Chlordane (technical)	May-19	ug/L																		<0.0653					

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Chlordane (technical)	October-21	ug/L						<0.232	<0.232	<0.232						<0.232	<0.232								
Chlordane (technical)	December-21	ug/L																<0.232							
Chlordane (technical)	October-22	ug/L				<0.686	<0.711				<0.686								<0.736		<0.686				
Chlordane (technical)	April-23	ug/L								<0.810								<0.810							
Chloride	February-22	mg/L	173																						46.2
Chlorobenzene	January-08	ug/l				<1	<1	4.54	9.31	<1	<1	<1	<1	<1											
Chlorobenzene	March-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Chlorobenzene	August-08	ug/l				<1	<1	5.06	9.34	1.57	<1	<1	0.63J	<1											
Chlorobenzene	September-08	ug/l				<1	0.57J	5.26	11.2	1.32	<1	<1	0.67J	<1											
Chlorobenzene	October-08	ug/l				<1	0.63J	5.39	11.6	1.35	<1	<1	0.54J	<1											
Chlorobenzene	March-09	ug/l				<1	0.18J	3.49	9.72	<1	<1	<1	<1	<1											
Chlorobenzene	June-09	ug/l				<5	<1	4.93	10.6	1.01			<1												
Chlorobenzene	September-09	ug/l				<1	<1	6.17	10.1	1.26	<1	<1	<1	<1											
Chlorobenzene	December-09	ug/l				<2	<2	5.63	9.01	1.13			<1												
Chlorobenzene	March-10	ug/l				<1	<1	5.07	10.3	1	<1	<1	<5	<1											
Chlorobenzene	June-10	ug/l									<1					3.57	<1	<1	<1	<1					
Chlorobenzene	August-10	ug/l									<1	<1				4.48	<1	<1	<1	<1					
Chlorobenzene	September-10	ug/l				<1	<1	6.02	13.1	1.08	<1	<1	<1	<1		4.55	<1	<1	<1	<1					
Chlorobenzene	December-10	ug/l									<1					5.16	<1	<1	<1	<1					
Chlorobenzene	March-11	ug/l		<1		<1	<1	5.71	<10	<1	<1	<1	<1	<1		3.26	<1	<1	<1	<1					
Chlorobenzene	April-11	ug/l				<1		3.01	<10	<1							<1								
Chlorobenzene	June-11	ug/l		<1								<1		<1		3.55	<1								
Chlorobenzene	July-11	ug/l	<1																						
Chlorobenzene	August-11	ug/l		<1																					
Chlorobenzene	September-11	ug/l	<1	<1		<1	<1	8.09	12	1	<1		<1	<1		6.03	<1	<1	<1	<1					
Chlorobenzene	December-11	ug/l	<1	<1										<1		4.49	<1								
Chlorobenzene	March-12	ug/l	<1	<1		<1	<1	6.46	6.37	1	<1	<1	<1	<1		3.56	<1	<1	<1	<1					
Chlorobenzene	June-12	ug/l													<1										
Chlorobenzene	October-12	ug/l	<1	<1		<1	<1	7.29	1.18	<1			<1	<1		5.7	<1		<1						
Chlorobenzene	March-13	ug/l	<1	<1		<1	<1	6.27	10.3	<1	<1		0.734J	<1	<1	<1	<1	<1	<1						
Chlorobenzene	June-13	ug/l																			<1				
Chlorobenzene	September-13	ug/l	<1	<1		<1	<1	9.24	15.2	1.04	<1		0.897J	<1	<1	5.41	0.61J	<1	<1	<1	<1				
Chlorobenzene	November-13	ug/l																			<1				
Chlorobenzene	March-14	ug/l	<1	<1		<1	<1	4.87	10.2	0.799J	<1	<1	0.45J	<1	<1	<1	1.08	<1	<1		<1				
Chlorobenzene	June-14	ug/l																		<1	<1				
Chlorobenzene	September-14	ug/l	<1	<1		<1	<1	6.31	11.4	<1	<1	<1	0.873J	<1	<1	<1	1.03	<1	<1	<1	<1				
Chlorobenzene	December-14	ug/l															1.25								
Chlorobenzene	April-15	ug/l	<1	<1		<1	<1	4.26	9.39	0.723J	<1	<1			<1	<1	1.03	<1	<1	<1	<1				
Chlorobenzene	October-15	ug/l	<0.19	<0.19		<0.19	<0.19	7.63	10.8	0.894J	<0.19				<0.19	2.73	0.949J	<0.19	<0.19	<0.19	<0.19				
Chlorobenzene	April-16	ug/l	<0.19	<0.19		<0.19	<0.19	5.23	7.57	0.63J	<0.19	<0.19			<0.19	1.37	1.22	<0.19	<0.19	<0.19	<0.19				
Chlorobenzene	October-16	ug/l													<0.19										
Chlorobenzene	November-16	ug/l	<0.19	<0.19		<0.19	<0.19	7.48	7.42	<0.19	<0.19	<0.19				<0.19	<0.19	<0.19	<0.19	<0.19	<0.19				
Chlorobenzene	March-17	ug/l	<0.19	<0.19		<0.19	<0.19	4.62	5.68	<0.19	<0.19	<0.19			<0.19	<0.19	0.627J	<0.19	<0.19	<0.19	<0.19				
Chlorobenzene	October-17	ug/L	<0.190	<0.190		<0.190	<0.190	4.98	8.05	0.922J	<0.190				<0.190	2.96	0.784J	<0.190	<0.190	<0.190	<0.190				
Chlorobenzene	December-17	ug/L				<0.190					<0.190								<0.190		<0.190				
Chlorobenzene	April-18	ug/L	<0.190	<0.190		<0.190	<0.190	6.49	5.56	0.632J	<0.190	<0.190			<0.190	0.355J	0.224J	<0.190	<0.190	<0.190	<0.190				
Chlorobenzene	July-18	ug/L			<0.400							<0.400													
Chlorobenzene	October-18	ug/L	<0.400	<0.400		<0.400	<0.400		7.28						<0.400		<0.400								
Chlorobenzene	November-18	ug/L			<0.400			7.77		<0.400	<0.400	<0.400				<0.400		<0.400	<0.400	<0.400	<0.400				
Chlorobenzene	January-19	ug/L			<0.400																				
Chlorobenzene	March-19	ug/L	<0.400	<0.400	<0.400	<0.400	<0.400	6.6	8.31	0.752	<0.400	<0.400			<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400				
Chlorobenzene	May-19	ug/L			<0.400															<0.400					
Chlorobenzene	October-19	ug/L	<0.400	<0.400	<0.400	<0.400	<0.400	5.92	5.56	0.765J	<0.400	<0.400			<0.400	0.93J	0.534J	<0.400	<0.400	<0.400	<0.400				
Chlorobenzene	March-20	ug/L	<0.400	<0.400		<0.400	<0.400	3.11	6.07	0.79J	<0.400	<0.400			<0.400	0.507J	0.581J	<0.400	<0.400		<0.400				
Chlorobenzene	April-20	ug/L			<0.400															<0.400					
Chlorobenzene	September-20	ug/L	<0.400	<0.400	<0.400		<0.400	4.02	7.83	0.828J	<0.400	<0.400			<0.400	1.04	0.599J	<0.400	<0.400	<0.400	<0.400				
Chlorobenzene	October-20	ug/L				<0.400																			
Chlorobenzene	March-21	ug/L		<0.400	<0.400	<0.400	<0.400	2.17	5.23	<0.400					<0.400	<0.400	<0.400				<0.400				
Chlorobenzene	April-21	ug/L	<0.400								<0.400	<0.400						<0.400	<0.400	<0.400					
Chlorobenzene	May-21	ug/L																<0.400							
Chlorobenzene	August-21	ug/L																							
Chlorobenzene	October-21	ug/L	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	10.8	<0.400	<0.400	<0.400			<0.400	4.06	1.09	<0.400	<0.400	<0.400	<0.400				
Chlorobenzene	December-21	ug/L																<0.400							
Chlorobenzene	February-22	ug/L	<0.400																						<0.400
Chlorobenzene	April-22	ug/L	<0.400	<0.400	<0.400	<0.400	<0.400	1.84	5.15	0.581J	<0.400	<0.400			<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400				<0.400

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Chlorobenzene	July-22	ug/L																							<0.400
Chlorobenzene	October-22	ug/L	<0.400	<0.400	<0.400	<0.400	<0.400	**2.18**	**6.86**	**0.746J**	<0.400				<0.400	**3.57**	**0.42J**	<0.400	<0.400	<0.400	<0.400				<0.400
Chlorobenzene	April-23	ug/L	<0.400	<0.400	<0.400	<0.400	<0.400	**1.78**	**4.9**	**0.604J**	<0.400	<0.400			<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400				<0.400
Chlorobenzene	May-23	ug/L																							
Chlorobenzene	October-23	ug/L	<0.400	<0.400	<0.400	<0.400	<0.400	**2.19**	**7.42**	**0.636J**	<0.400				<0.400	**2.14**	**0.524J**	<0.400	<0.400	<0.400	<0.400				<0.400
Chlorobenzilate	March-09	ug/l					<10	<10	<10																
Chlorobenzilate	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Chlorobenzilate	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Chlorobenzilate	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Chlorobenzilate	March-10	ug/l				<10				<10			<10												
Chlorobenzilate	June-10	ug/l									<10														
Chlorobenzilate	August-10	ug/l									<10	<10													
Chlorobenzilate	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Chlorobenzilate	December-10	ug/l									<10														
Chlorobenzilate	March-11	ug/l										<10		<10											
Chlorobenzilate	June-11	ug/l										<10		<10		<10	<10								
Chlorobenzilate	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Chlorobenzilate	December-11	ug/l												<10		<10	<10								
Chlorobenzilate	March-12	ug/l														<10	<10								
Chlorobenzilate	December-14	ug/l															<10.2								
Chlorobenzilate	October-16	ug/l													<0.219										
Chlorobenzilate	November-16	ug/l						<0.21	<0.21	<0.228						<0.236	<0.233								
Chlorobenzilate	October-17	ug/L					<0.221																		
Chlorobenzilate	December-17	ug/L				<0.223					<0.219								<0.219		<0.219				
Chlorobenzilate	July-18	ug/L			<0.212							<0.219													
Chlorobenzilate	November-18	ug/L			<0.216							<0.219													
Chlorobenzilate	May-19	ug/L																		<0.212					
Chlorobenzilate	October-21	ug/L						<3.05	<3.05	<2.96						<3.02	<3.05								
Chlorobenzilate	December-21	ug/L																<3.05							
Chlorobenzilate	October-22	ug/L				<3.05	<3.05				<3.05								<3.05		<3.16				
Chlorodibromomethane	January-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Chlorodibromomethane	March-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Chlorodibromomethane	August-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Chlorodibromomethane	September-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Chlorodibromomethane	October-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Chlorodibromomethane	March-09	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Chlorodibromomethane	June-09	ug/l				<25	<5	<5	<5	<5			<5												
Chlorodibromomethane	September-09	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Chlorodibromomethane	December-09	ug/l				<20	<20	<20	<5	<5			<5												
Chlorodibromomethane	March-10	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Chlorodibromomethane	June-10	ug/l									<5					<5	<5	<5	<5	<5					
Chlorodibromomethane	August-10	ug/l									<10	<10				<10	<10	<10	<10	<10					
Chlorodibromomethane	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
Chlorodibromomethane	December-10	ug/l									<5					<5	<5	<5	<5	<5					
Chlorodibromomethane	March-11	ug/l		<5		<10	<5	<5	<100	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5					
Chlorodibromomethane	April-11	ug/l				<5		<5	<50	<5							<5								
Chlorodibromomethane	June-11	ug/l		<5								<5		<5		<5	<5								
Chlorodibromomethane	July-11	ug/l	<5																						
Chlorodibromomethane	August-11	ug/l		<5																					
Chlorodibromomethane	September-11	ug/l	<5	<5		<5	<5	<5	<50	<5	<5		<5	<5		<5	<5	<5	<5	<5					
Chlorodibromomethane	December-11	ug/l	<5	<5										<5		<5	<5								
Chlorodibromomethane	March-12	ug/l	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5					
Chlorodibromomethane	June-12	ug/l													<5										
Chlorodibromomethane	October-12	ug/l	<5	<5		<5	<5	<5	<5	<5			<5	<5		<5	<5		<5						
Chlorodibromomethane	March-13	ug/l	<5	<5		<5	<5	<5	<50	<5	<5		<5	<5	<5	<5	<5	<5	<5						
Chlorodibromomethane	June-13	ug/l																			<5				
Chlorodibromomethane	September-13	ug/l	<5	<5		<5	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5				
Chlorodibromomethane	November-13	ug/l																			<5				
Chlorodibromomethane	March-14	ug/l	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5				
Chlorodibromomethane	June-14	ug/l																		<5	<5				
Chlorodibromomethane	September-14	ug/l	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5				
Chlorodibromomethane	December-14	ug/l															<5								
Chlorodibromomethane	April-15	ug/l	<5	<5		<5	<5	<5	<5	<5	<5	<5			<5	<5	<5	<5	<5	<5	<5				
Chlorodibromomethane	October-15	ug/l	<0.2	<0.2		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2				<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2				
Chlorodibromomethane	April-16	ug/l	<0.2	<0.2		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Chlorodibromomethane	October-16	ug/l													<0.2										
Chlorodibromomethane	November-16	ug/l	<0.2	<0.2		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2				<0.2	<0.2	<0.2	<0.2	<0.2	<0.2				
Chlorodibromomethane	March-17	ug/l	<0.2	<0.2		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2				
Chlorodibromomethane	October-17	ug/L	<0.200	<0.200		<0.200	<0.200	<0.200	<0.200	<0.200	<0.200				<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200				
Chlorodibromomethane	December-17	ug/L				<0.200					<0.200								<0.200		<0.200				
Chlorodibromomethane	April-18	ug/L	<0.200	<0.200		<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200			<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200				
Chlorodibromomethane	July-18	ug/L			<0.750							<0.750													
Chlorodibromomethane	October-18	ug/L	<0.750	<0.750		<0.750	<0.750		<0.750						<0.750		<0.750								
Chlorodibromomethane	November-18	ug/L			<0.750			<0.750		<0.750	<0.750	<0.750				<0.750		<0.750	<0.750	<0.750	<0.750				
Chlorodibromomethane	January-19	ug/L			<0.750																				
Chlorodibromomethane	March-19	ug/L	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750			<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750				
Chlorodibromomethane	May-19	ug/L			<0.750															<0.750					
Chlorodibromomethane	October-19	ug/L	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750			<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750				
Chlorodibromomethane	March-20	ug/L	<0.750	<0.750		<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750			<0.750	<0.750	<0.750	<0.750	<0.750		<0.750				
Chlorodibromomethane	April-20	ug/L			<0.750															<0.750					
Chlorodibromomethane	September-20	ug/L	<0.750	<0.750	<0.750		<0.750	<0.750	<0.750	<0.750	<0.750	<0.750			<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750				
Chlorodibromomethane	October-20	ug/L				<0.750																			
Chlorodibromomethane	March-21	ug/L		<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750					<0.750	<0.750	<0.750				<0.750				
Chlorodibromomethane	April-21	ug/L	<0.750								<0.750	<0.750						<0.750	<0.750	<0.750					
Chlorodibromomethane	May-21	ug/L																<0.750							
Chlorodibromomethane	August-21	ug/L																							
Chlorodibromomethane	October-21	ug/L	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750			<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750				
Chlorodibromomethane	December-21	ug/L																<0.750							
Chlorodibromomethane	February-22	ug/L	<0.750																						<0.750
Chlorodibromomethane	April-22	ug/L	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750			<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750				<0.750
Chlorodibromomethane	July-22	ug/L																							<0.750
Chlorodibromomethane	October-22	ug/L	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750				<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750				<0.750
Chlorodibromomethane	April-23	ug/L	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750			<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750				<0.750
Chlorodibromomethane	May-23	ug/L																							
Chlorodibromomethane	October-23	ug/L	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750				<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750				<0.750
Chloroethane	January-08	ug/l				<4	<4	<4	<4	<4	<4	<4	<4	<4											
Chloroethane	March-08	ug/l				<4	<4	<4	<4	<4	<4	<4	<4	<4											
Chloroethane	August-08	ug/l				**3.42J**	<4	**2.19J**	**2.4J**	**0.55J**	<4	<4	**0.88J**	<4											
Chloroethane	September-08	ug/l				**2.23J**	<4	**1.42J**	**2.07J**	<4	<4	<4	<4	<4											
Chloroethane	October-08	ug/l				**3.23J**	**0.61J**	**2.43J**	**2.26J**	**0.85J**	<4	<4	**0.69J**	<4											
Chloroethane	March-09	ug/l				**2.98J**	<4	**1.64J**	**2.94J**	<4	<4	<4	<4	<4											
Chloroethane	June-09	ug/l				<20	<4	<4	<4	<4			<4												
Chloroethane	September-09	ug/l				<4	<4	<4	<4	<4	<4	<4	<4	<4											
Chloroethane	December-09	ug/l				<4	<4	<4	<4	<4			<4												
Chloroethane	March-10	ug/l				<4	<4	<4	<4	<4	<4	<4	<4	<4											
Chloroethane	June-10	ug/l									<4					<4	<4	<4	<4	<4					
Chloroethane	August-10	ug/l									<4	<4				<4	<4	<4	<4	<4					
Chloroethane	September-10	ug/l				<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	<4	<4	<4	<4					
Chloroethane	December-10	ug/l									<4					<4	<4	<4	<4	<4					
Chloroethane	March-11	ug/l		<4		<4	<4	<4	<40	<4	<4	<4	<4	<4		<4	<4	<4	<4	<4					
Chloroethane	April-11	ug/l				<4		<4	<40	<4							<4								
Chloroethane	June-11	ug/l		<4								<4		<4		<4	<4								
Chloroethane	July-11	ug/l	<4																						
Chloroethane	August-11	ug/l		<4																					
Chloroethane	September-11	ug/l	<4	<4		<4	<4	<4	<40	<4	<4		<4	<4		<4	<4	<4	<4	<4					
Chloroethane	December-11	ug/l	<4	<4										<4		<4	<4								
Chloroethane	March-12	ug/l	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	<4	<4	<4	<4					
Chloroethane	June-12	ug/l													<4										
Chloroethane	October-12	ug/l	<4	<4		<4	<4	<4	<4	<4			<4	<4		<4	<4		<4						
Chloroethane	March-13	ug/l	<4	<4		**0.801J**	<4	**1.71J**	<40	<4	<4		**0.563J**	**0.984J**	<4	<4	<4	<4	<4						
Chloroethane	June-13	ug/l																			<4				
Chloroethane	September-13	ug/l	<4	<4		<4	<4	**2.01J**	**1.42J**	<4	<4		<4	<4	<4	**2.13J**	<4	<4	<4	<4	<4				
Chloroethane	November-13	ug/l																			<4				
Chloroethane	March-14	ug/l	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4				
Chloroethane	June-14	ug/l																		<4	<4				
Chloroethane	September-14	ug/l	<4	<4		<4	<4	**1.34J**	**1.13J**	<4	<4	<4	**0.854J**	**0.767J**	<4	<4	<4	<4	<4	<4	<4				
Chloroethane	December-14	ug/l															<4								
Chloroethane	April-15	ug/l	<4	<4		<4	<4	<4	**1.52J**	<4	<4	<4			<4	<4	<4	<4	<4	<4	<4				
Chloroethane	October-15	ug/l	<0.15	<0.15		<0.15	<0.15	**3.39J**	**1.21J**	<0.15	<0.15				<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				
Chloroethane	April-16	ug/l	<0.15	<0.15		<0.15	<0.15	**1.9J**	**0.8795J**	<0.15	<0.15	<0.15			<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Chloroethane	October-16	ug/l													<0.15										
Chloroethane	November-16	ug/l	<0.15	<0.15		<0.15	<0.15	**1.62J**	<0.15	<0.15	<0.15	<0.15				<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				
Chloroethane	March-17	ug/l	<0.15	<0.15		<0.15	<0.15	**1.21J**	**2.28J**	<0.15	<0.15	<0.15			<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				
Chloroethane	October-17	ug/L	<0.150	<0.150		<0.150	<0.150	**1.46J**	**1.08J**	<0.150	<0.150				<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150				
Chloroethane	December-17	ug/L				<0.150					<0.150								<0.150		<0.150				
Chloroethane	April-18	ug/L	<0.150	<0.150		<0.150	<0.150	**1.14J**	**1.4J**	<0.150	<0.150	<0.150			<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150				
Chloroethane	July-18	ug/L			<0.790							<0.790													
Chloroethane	October-18	ug/L	<0.790	<0.790		<0.790	<0.790		<0.790						<0.790		<0.790								
Chloroethane	November-18	ug/L			<0.790			**0.857J**		<0.790	<0.790	<0.790				<0.790		<0.790	<0.790	<0.790	<0.790				
Chloroethane	January-19	ug/L			<0.790																				
Chloroethane	March-19	ug/L	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790			<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790				
Chloroethane	May-19	ug/L			<0.790															<0.790					
Chloroethane	October-19	ug/L	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790			<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790				
Chloroethane	March-20	ug/L	<0.790	<0.790		<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790			<0.790	<0.790	<0.790	<0.790	<0.790		<0.790				
Chloroethane	April-20	ug/L			<0.790															<0.790					
Chloroethane	September-20	ug/L	<0.790	<0.790	<0.790		<0.790	<0.790	<0.790	<0.790	<0.790	<0.790			<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790				
Chloroethane	October-20	ug/L				<0.790																			
Chloroethane	March-21	ug/L		<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790					<0.790	<0.790	<0.790				<0.790				
Chloroethane	April-21	ug/L	<0.790								<0.790	<0.790						<0.790	<0.790	<0.790					
Chloroethane	May-21	ug/L																<0.790							
Chloroethane	August-21	ug/L																							
Chloroethane	October-21	ug/L	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	**0.806J**	<0.790	<0.790	<0.790			<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790				
Chloroethane	December-21	ug/L																<0.790							
Chloroethane	February-22	ug/L	<0.790																						<0.790
Chloroethane	April-22	ug/L	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	**1.24J**	<0.790	<0.790	<0.790			<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790				<0.790
Chloroethane	July-22	ug/L																							<0.790
Chloroethane	October-22	ug/L	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790				<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790				<0.790
Chloroethane	April-23	ug/L	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790			<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790				<0.790
Chloroethane	May-23	ug/L																							
Chloroethane	October-23	ug/L	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790				<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790				<0.790
Chloroform	January-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Chloroform	March-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Chloroform	August-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Chloroform	September-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Chloroform	October-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Chloroform	March-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Chloroform	June-09	ug/l				<5	<1	<1	<1	<1			<1												
Chloroform	September-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Chloroform	December-09	ug/l				<1	<1	<1	<1	<1			<1												
Chloroform	March-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Chloroform	June-10	ug/l									<1					<1	<1	<1	<1	<1					
Chloroform	August-10	ug/l									<1	<1				<1	<1	<1	<1	<1					
Chloroform	September-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Chloroform	December-10	ug/l									<1					<1	<1	<1	<1	<1					
Chloroform	March-11	ug/l		<1		<1	<1	<1	<10	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Chloroform	April-11	ug/l				<1		<1	<10	<1							<1								
Chloroform	June-11	ug/l		<1								<1		<1		<1	<1								
Chloroform	July-11	ug/l	<1																						
Chloroform	August-11	ug/l		<1																					
Chloroform	September-11	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1		<1	<1	<1	<1	<1					
Chloroform	December-11	ug/l	<1	<1										<1		<1	<1								
Chloroform	March-12	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Chloroform	June-12	ug/l													<1										
Chloroform	October-12	ug/l	<1	<1		<1	<1	<1	<1	<1			<1	<1		<1	<1		<1						
Chloroform	March-13	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1	<1	<1	<1	<1	<1						
Chloroform	June-13	ug/l																			<1				
Chloroform	September-13	ug/l	<1	<1		<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1				
Chloroform	November-13	ug/l																			<1				
Chloroform	March-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1				
Chloroform	June-14	ug/l																		<1	<1				
Chloroform	September-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
Chloroform	December-14	ug/l															<1								
Chloroform	April-15	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	**1.24**	<1				
Chloroform	October-15	ug/l	<0.28	<0.28		<0.28	<0.28	<0.28	<0.28	<0.28	<0.28				<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28				
Chloroform	April-16	ug/l	<0.28	<0.28		<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28			<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Chloroform	October-16	ug/l													<0.28										
Chloroform	November-16	ug/l	<0.28	<0.28		<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28				<0.28	<0.28	<0.28	<0.28	<0.28	<0.28				
Chloroform	March-17	ug/l	<0.28	<0.28		<0.28	<0.28	**0.28J**	<0.28	<0.28	<0.28	<0.28			**0.293J**	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28				
Chloroform	October-17	ug/L	<0.280	<0.280		<0.280	<0.280	<0.280	<0.280	<0.280	<0.280				<0.280	<0.280	<0.280	<0.280	<0.280	<0.280	<0.280				
Chloroform	December-17	ug/L				<0.280					<0.280								<0.280		<0.280				
Chloroform	April-18	ug/L	<0.280	<0.280		<0.280	<0.280	<0.280	<0.280	<0.280	<0.280	<0.280			<0.280	<0.280	<0.280	<0.280	<0.280	<0.280	<0.280				
Chloroform	July-18	ug/L			<1.30							<1.30													
Chloroform	October-18	ug/L	<1.30	<1.30		<1.30	<1.30		<1.30						<1.30		<1.30								
Chloroform	November-18	ug/L			<1.30			<1.30		<1.30	<1.30	<1.30				<1.30		<1.30	<1.30	<1.30	<1.30				
Chloroform	January-19	ug/L			<1.30																				
Chloroform	March-19	ug/L	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30			<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30				
Chloroform	May-19	ug/L			<1.30															<1.30					
Chloroform	October-19	ug/L	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30			<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30				
Chloroform	March-20	ug/L	<1.30	<1.30		<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30			<1.30	<1.30	<1.30	<1.30	<1.30		<1.30				
Chloroform	April-20	ug/L			<1.30															<1.30					
Chloroform	September-20	ug/L	<1.30	<1.30	<1.30		<1.30	<1.30	<1.30	<1.30	<1.30	<1.30			<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30				
Chloroform	October-20	ug/L				<1.30																			
Chloroform	March-21	ug/L		<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30					<1.30	<1.30	<1.30				<1.30				
Chloroform	April-21	ug/L	<1.30								<1.30	<1.30						<1.30	<1.30	<1.30					
Chloroform	May-21	ug/L																<1.30							
Chloroform	August-21	ug/L																							
Chloroform	October-21	ug/L	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30			<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30				
Chloroform	December-21	ug/L																<1.30							
Chloroform	February-22	ug/L	<1.30																						<1.30
Chloroform	April-22	ug/L	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30			<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30				<1.30
Chloroform	July-22	ug/L																							<1.30
Chloroform	October-22	ug/L	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30				<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30				<1.30
Chloroform	April-23	ug/L	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30			<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30				<1.30
Chloroform	May-23	ug/L																							
Chloroform	October-23	ug/L	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30				<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30				<1.30
Chloromethane	January-08	ug/l				<3	<3	<3	<3	<3	<3	<3	<3	<3											
Chloromethane	March-08	ug/l				<3	<3	<3	<3	<3	<3	<3	<3	<3											
Chloromethane	August-08	ug/l				<3	<3	<3	<3	<3	<3	**0.24J**	<3	<3											
Chloromethane	September-08	ug/l				<3	<3	<3	<3	<3	<3	<3	<3	<3											
Chloromethane	October-08	ug/l				<3	<3	**0.22J**	<3	<3	<3	<3	<3	<3											
Chloromethane	March-09	ug/l				<3	<3	<3	<3	<3	**0.25J**	<3	<3	<3											
Chloromethane	June-09	ug/l				<15	<3	<3	<3	<3			<3												
Chloromethane	September-09	ug/l				<3	<3	<3	<3	<3	<3	<3	<3	<3											
Chloromethane	December-09	ug/l				<3	<3	<3	<3	<3			<3												
Chloromethane	March-10	ug/l				<3	<3	<3	<3	<3	<3	<3	<3	<3											
Chloromethane	June-10	ug/l									<3					<3	<3	<3	<3	<3					
Chloromethane	August-10	ug/l									<3	<3				<3	<3	<3	<3	<3					
Chloromethane	September-10	ug/l				<3	<3	<3	<3	<3	<3	<3	<3	<3		<3	<3	<3	<3	<3					
Chloromethane	December-10	ug/l									<3					<3	<3	<3	<3	<3					
Chloromethane	March-11	ug/l		<3		<75	<3	<3	<750	<3	<3	<3	<3	<3		<3	<3	<3	<3	<3					
Chloromethane	April-11	ug/l				<3		<3	<30	<3							<3								
Chloromethane	June-11	ug/l		<3								<3		<3		<3	<3								
Chloromethane	July-11	ug/l	<3																						
Chloromethane	August-11	ug/l		<3																					
Chloromethane	September-11	ug/l	<3	<3		<3	<3	<3	<30	<3	<3		<3	<3		<3	<3	<3	<3	<3					
Chloromethane	December-11	ug/l	<3	<3										<3		<3	<3								
Chloromethane	March-12	ug/l	<3	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3		<3	<3	<3	<3	<3					
Chloromethane	June-12	ug/l													<3										
Chloromethane	October-12	ug/l	<3	<3		<3	<3	<3	<3	<3			<3	<3		<3	<3		<3						
Chloromethane	March-13	ug/l	<3	<3		<3	<3	<3	<30	<3	<3		<3	<3	<3	<3	<3	<3	<3						
Chloromethane	June-13	ug/l																			<3				
Chloromethane	September-13	ug/l	<3	<3		<3	<3	<3	<3	<3	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3				
Chloromethane	November-13	ug/l																			<3				
Chloromethane	March-14	ug/l	<3	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3		<3				
Chloromethane	June-14	ug/l																		<3	<3				
Chloromethane	September-14	ug/l	<3	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3				
Chloromethane	December-14	ug/l															<3								
Chloromethane	April-15	ug/l	<3	<3		<3	<3	<3	<3	<3	<3	<3			<3	<3	<3	<3	<3	**0.546J**	**0.388J**				
Chloromethane	October-15	ug/l	**0.341J**	<0.31		<0.32	<0.31	<0.31	<0.31	<0.31	<0.31				<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31				
Chloromethane	April-16	ug/l	<0.31	<0.31		<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31			<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Chloromethane	October-16	ug/l													<0.31										
Chloromethane	November-16	ug/l	<0.31	<0.31		<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31				<0.31	<0.31	<0.31	<0.31	<0.31	<0.31				
Chloromethane	March-17	ug/l	<0.31	<0.31		<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31			<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31				
Chloromethane	October-17	ug/L	<0.310	<0.310		<0.310	<0.310	<0.310	<0.310	<0.310	<0.310				<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310				
Chloromethane	December-17	ug/L				<0.310					<0.310								<0.310		<0.310				
Chloromethane	April-18	ug/L	<0.310	<0.310		<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310			<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310				
Chloromethane	July-18	ug/L			<0.610							<0.610													
Chloromethane	October-18	ug/L	<0.610	<0.610		<0.610	<0.610		<0.610						<0.610		<0.610								
Chloromethane	November-18	ug/L			<0.610			<0.610		<0.610	<0.610	<0.610				<0.610		<0.610	<0.610	<0.610	<0.610				
Chloromethane	January-19	ug/L			<0.610																				
Chloromethane	March-19	ug/L	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610			<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610				
Chloromethane	May-19	ug/L			<0.610															<0.610					
Chloromethane	October-19	ug/L	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610			<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610				
Chloromethane	March-20	ug/L	<0.610	<0.610		<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610			<0.610	<0.610	<0.610	<0.610	<0.610		<0.610				
Chloromethane	April-20	ug/L			<0.610															<0.610					
Chloromethane	September-20	ug/L	<0.610	<0.610	<0.610		<0.610	<0.610	<0.610	<0.610	<0.610	<0.610			<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610				
Chloromethane	October-20	ug/L				<0.610																			
Chloromethane	March-21	ug/L		<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610					<0.610	<0.610	<0.610				<0.610				
Chloromethane	April-21	ug/L	<0.610								<0.610	<0.610						<0.610	<0.610	<0.610					
Chloromethane	May-21	ug/L																<0.610							
Chloromethane	August-21	ug/L																							
Chloromethane	October-21	ug/L	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610			<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610				
Chloromethane	December-21	ug/L																<0.610							
Chloromethane	February-22	ug/L	<0.610																						<0.610
Chloromethane	April-22	ug/L	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610			<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610				<0.610
Chloromethane	July-22	ug/L																							<0.610
Chloromethane	October-22	ug/L	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610				<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610				<0.610
Chloromethane	April-23	ug/L	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610			<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610				<0.610
Chloromethane	May-23	ug/L																							
Chloromethane	October-23	ug/L	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610				<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610				<0.610
Chloroprene	March-09	ug/l					<1	<1	<1																
Chloroprene	June-09	ug/l				<5	<1	<1	<1	<1			<1												
Chloroprene	September-09	ug/l				<1	<1	<1	<1	<1			<1												
Chloroprene	December-09	ug/l				<1	<1	<1	<1	<1			<1												
Chloroprene	March-10	ug/l				<1	<1	<1	<1	<1			<1												
Chloroprene	June-10	ug/l									<1														
Chloroprene	August-10	ug/l									<1	<1													
Chloroprene	September-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1												
Chloroprene	December-10	ug/l									<1														
Chloroprene	March-11	ug/l				<1	<1	<1	<10	<1	<1	<1	<1	<1											
Chloroprene	April-11	ug/l				<1		<1	<10	<1							<1								
Chloroprene	June-11	ug/l										<1		<1		<1	<1								
Chloroprene	September-11	ug/l				<1	<1	<1	<10	<1	<1		<1	<1		<1	<1								
Chloroprene	December-11	ug/l												<1		<1	<1								
Chloroprene	March-12	ug/l											<1			<1	<1								
Chloroprene	December-14	ug/l															<1								
Chloroprene	October-16	ug/l													<0.19										
Chloroprene	November-16	ug/l						<0.19	<0.19	<0.19						<0.19	<0.19								
Chloroprene	October-17	ug/L					<0.190																		
Chloroprene	December-17	ug/L				<0.190					<0.190								<0.190		<0.190				
Chloroprene	July-18	ug/L			<0.230							<0.230													
Chloroprene	November-18	ug/L			<0.230							<0.230													
Chloroprene	May-19	ug/L																		<0.230					
Chloroprene	October-21	ug/L						<0.230	<0.230	<0.230						<0.230	<0.230								
Chloroprene	December-21	ug/L																<0.230							
Chloroprene	October-22	ug/L				<0.230	<0.230				<0.230								<0.230		<0.230				
Chromium	January-08	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**0.0413**	<0.02											
Chromium	March-08	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02											
Chromium	August-08	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**0.0361**	<0.02											
Chromium	September-08	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**0.026**	<0.02											
Chromium	October-08	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02											
Chromium	March-09	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02											
Chromium	June-09	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02			<0.02												
Chromium	September-09	mg/l				<0.02	<0.02	**0.021**	**0.0238**	<0.02	<0.02	<0.02	<0.02	<0.02											
Chromium	December-09	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02			<0.02												

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Chromium	March-10	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02											
Chromium	June-10	mg/l									<0.02					<0.02	<0.02	<0.02	<0.02	<0.02					
Chromium	August-10	mg/l									<0.02	<0.02				<0.02	<0.02	<0.02	<0.02	<0.02					
Chromium	September-10	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02					
Chromium	December-10	mg/l									<0.02					<0.02	<0.02	<0.02	<0.02	<0.02					
Chromium	March-11	mg/l		<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02					
Chromium	June-11	mg/l		<0.02								<0.02		<0.02		<0.02	<0.02								
Chromium	July-11	mg/l	<0.02																						
Chromium	August-11	mg/l		<0.02																					
Chromium	September-11	mg/l	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02					
Chromium	December-11	mg/l	<0.02	<0.02										<0.02		<0.02	<0.02								
Chromium	March-12	mg/l	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02					
Chromium	April-12	mg/l													**1.02**										
Chromium	June-12	mg/l													**0.874**										
Chromium	October-12	mg/l	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02			<0.02	<0.02	<0.02	<0.02	<0.02		<0.02						
Chromium	March-13	mg/l	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	**0.178**	<0.02	<0.02	<0.02	<0.02						
Chromium	June-13	mg/l																			**0.0026J**				
Chromium	September-13	mg/l	**0.00341J**	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	**0.00298J**		<0.02	**0.00481J**	**0.157**	**0.00174J**	**0.00311J**	**0.00798J**	**0.0058J**	**0.00196J**	**0.00546J**				
Chromium	November-13	mg/l																			**0.00497J**				
Chromium	March-14	mg/l	<0.02	<0.02		<0.02	**0.00438J**	<0.02	**0.0061J**	**0.00434J**	<0.02	<0.02	<0.02	<0.02	**0.0291**	<0.02	<0.02	<0.02	**0.00755J**		**0.00365J**				
Chromium	June-14	mg/l																		<0.02	<0.02				
Chromium	September-14	mg/l	<0.005	<0.005		<0.005	<0.005	<0.005	**0.00251J**	<0.005	<0.005	<0.005	<0.005	<0.005	**0.0123**	<0.005	<0.005	<0.005	<0.005	<0.005	**0.00228J**				
Chromium	December-14	mg/l															<0.005								
Chromium	April-15	mg/l	<0.005	<0.005		<0.005	<0.005	<0.005	**0.00221J**	<0.005	<0.005	<0.005			**0.00239J**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005				
Chromium	October-15	mg/l	<0.00124	<0.00124		<0.00124	<0.00124	<0.00124	**0.00273J**	<0.000355	<0.00124				<0.00124	<0.000355	<0.000355	<0.00124	<0.000355	<0.00124	<0.000355				
Chromium	April-16	mg/l	**0.000603J**	<0.000355		<0.000355	<0.000355	**0.000473J**	**0.00192J**	**0.00055J**	**0.000498J**	**0.000475J**			<0.000355	<0.000355	<0.000355	<0.000355	<0.000355	<0.000355	<0.000355				
Chromium	October-16	mg/l													<0.000355										
Chromium	November-16	mg/l	<0.000355	<0.000355		**0.000717J**	<0.000355	<0.000355	**0.00175J**	**0.000638J**	<0.000355	<0.000355				<0.000355	**0.000453J**	**0.00133J**	<0.000355	**0.00174J**	<0.000355				
Chromium	March-17	mg/l	<0.000729	<0.000729		<0.000729	<0.000729	<0.000729	**0.00144J**	<0.000729	<0.000729	<0.000729			<0.000729	<0.000729	<0.000729	<0.000729	<0.000729	<0.000729	<0.000729				
Chromium	October-17	mg/L	<0.000729	<0.000729		<0.000729	<0.000729	<0.000729	**0.00158J**	<0.000729	<0.000729				<0.000729	<0.000729	<0.000729	<0.000729	<0.000729	<0.000729	<0.000729				
Chromium	December-17	mg/L				<0.000729					<0.000729								**0.000774J**		<0.000729				
Chromium	April-18	mg/L	**0.000787J**	**0.00131J**		<0.000760	<0.000760	**0.00316J**	**0.00133J**	<0.000760	<0.000760	<0.000760			**0.00312J**	<0.000760	<0.000760	<0.000760	<0.000760	<0.000760	<0.000760				
Chromium	July-18	mg/L			<0.000760							<0.000760													
Chromium	October-18	mg/L	**0.00109J**	<0.000760		<0.000760	<0.000760		**0.0269**						**0.00207J**		<0.000760								
Chromium	November-18	mg/L			<0.000760			<0.000760		<0.000760	<0.000760	<0.000760				<0.000760		<0.000760	<0.000760	<0.000760	<0.000760				
Chromium	January-19	mg/L			<0.000760																				
Chromium	March-19	mg/L	<0.000980	<0.000980	<0.000980	<0.000980	<0.000980	<0.000980	**0.00246**	<0.000980	<0.000980	<0.000980			<0.000980	<0.000980	<0.000980	<0.000980	<0.000980	<0.000980	<0.000980				
Chromium	May-19	mg/L			<0.00114															<0.00114					
Chromium	October-19	mg/L	<0.000980	<0.000980	<0.000980	<0.000980	<0.000980	<0.000980	**0.00117J**	<0.000980	<0.000980	<0.000980			<0.000980	<0.000980	<0.000980	<0.000980	<0.000980	<0.000980	<0.000980				
Chromium	March-20	mg/L	<0.00110	<0.00110		<0.00110	<0.00110	<0.00110	**0.00116J**	<0.00110	<0.00110	<0.00110			<0.00110	<0.00110	<0.00110	<0.00110	<0.00110		<0.00110				
Chromium	April-20	mg/L			<0.00110															<0.00110					
Chromium	September-20	mg/L	<0.00110	<0.00110	<0.00110		<0.00110	<0.00110	**0.00152J**	<0.00110	<0.00110	<0.00110			<0.00110	**0.00112J**	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110				
Chromium	October-20	mg/L				<0.00110																			
Chromium	November-20	mg/L	**0.00148J**																						
Chromium	December-20	mg/L	<0.00110																						
Chromium	March-21	mg/L		<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	**0.00161J**	<0.00110					<0.00110	<0.00110	<0.00110				<0.00110				
Chromium	April-21	mg/L	<0.00110								<0.00110	<0.00110						<0.00110	<0.00110	<0.00110					
Chromium	May-21	mg/L																<0.00110							
Chromium	August-21	mg/L																							
Chromium	October-21	mg/L	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	**0.00223J**	<0.00110	<0.00110	<0.00110			**0.0134**	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110				
Chromium	December-21	mg/L																<0.00110							
Chromium	February-22	mg/L	<0.00110																						<0.00110
Chromium	April-22	mg/L	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	**0.00133J**	<0.00110	<0.00110	**0.0014J**			<0.00110	<0.00110	<0.00110	<0.00770	<0.00110	<0.00110	<0.00110				<0.00110
Chromium	July-22	mg/L																							**0.00117J**
Chromium	October-22	mg/L	**0.00178J**	**0.00267J**	<0.00110	<0.00110	<0.00110	<0.00110	**0.00181J**	<0.00110	<0.00110				**0.00613**	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110				<0.00110
Chromium	April-23	mg/L	**0.00126J**	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	**0.00123J**	<0.00110	<0.00110	<0.00110			**0.00403J**	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110				<0.00110
Chromium	May-23	mg/L																							
Chromium	October-23	mg/L	**0.00195J**	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	**0.00199J**	<0.00110	<0.00110				<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110				<0.00110
Chromium, Dissolved	December-20	mg/L	<0.00110																						
Chrysene	March-09	ug/l					<10	<10	<10																
Chrysene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Chrysene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Chrysene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Chrysene	March-10	ug/l				<10				<10			<10												
Chrysene	June-10	ug/l									<10														

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Chrysene	August-10	ug/l									<10	<10													
Chrysene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Chrysene	December-10	ug/l									<10														
Chrysene	March-11	ug/l										<10		<10											
Chrysene	June-11	ug/l										<10		<10		<10	<10								
Chrysene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Chrysene	December-11	ug/l												<10		<10	<10								
Chrysene	March-12	ug/l														<10	<10								
Chrysene	December-14	ug/l															<10.2								
Chrysene	October-16	ug/l													<0.302										
Chrysene	November-16	ug/l						<0.29	<0.29	<0.315						<0.326	<0.322								
Chrysene	October-17	ug/L					<0.305																		
Chrysene	December-17	ug/L				<0.309					<0.302								<0.302		<0.302				
Chrysene	July-18	ug/L			<0.313							<0.323													
Chrysene	November-18	ug/L			<0.320							<0.323													
Chrysene	May-19	ug/L																		<0.313					
Chrysene	October-21	ug/L						<1.16	<1.16	<1.12						<1.15	<1.16								
Chrysene	December-21	ug/L																<1.16							
Chrysene	October-22	ug/L				<0.737	<0.737				<0.737								<0.737		<0.763				
Cobalt	January-08	mg/l				<0.02	<0.02	**0.032**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02											
Cobalt	March-08	mg/l				<0.02	<0.02	**0.0357**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02											
Cobalt	August-08	mg/l				<0.00346	<0.00346	**0.0209**	**0.0083**	<0.00346	**0.00619**	**0.00728**	**0.0117**	<0.00346											
Cobalt	September-08	mg/l				<0.00346	<0.00346	**0.0207**	**0.00889**	<0.00346	**0.00631**	**0.0162**	**0.00861**	<0.00346											
Cobalt	October-08	mg/l				<0.00346	**0.00444**	**0.0235**	**0.00998**	<0.00346	<0.00346	**0.0169**	<0.00346	<0.00346											
Cobalt	March-09	mg/l				<0.00346	<0.00346	<0.00346	**0.00599**	<0.00346	<0.00346	**0.0101**	<0.00346	<0.00346											
Cobalt	June-09	mg/l				**0.00283**	**0.00248**	**0.0206**	**0.00984**	<0.00155			<0.00155												
Cobalt	September-09	mg/l				**0.00169**	**0.00472**	**0.0222**	**0.00822**	**0.00168**	**0.00292**	**0.00344**	<0.00155	<0.00155											
Cobalt	December-09	mg/l				**0.00272**	**0.00272**	**0.0218**	**0.00585**	<0.00155			**0.0039**												
Cobalt	March-10	mg/l				**0.00228**	**0.00269**	**0.0236**	**0.00796**	**0.0025**	**0.00318**	**0.00423**	**0.00349**	<0.00155											
Cobalt	June-10	mg/l									**0.00254J**					**0.0195J**	**0.0143J**	**0.00903J**	**0.0028J**	<0.02					
Cobalt	August-10	mg/l									<0.02	<0.02				<0.02	<0.02	<0.02	<0.02	<0.02					
Cobalt	September-10	mg/l				<0.02	**0.0028J**	**0.0254**	**0.0114J**	<0.02	<0.02	**0.00566J**	**0.00563J**	<0.02		**0.0143J**	**0.0143J**	**0.00555J**	<0.02	<0.02					
Cobalt	December-10	mg/l									<0.02					**0.0218**	**0.0111J**	**0.00539J**	<0.02	<0.02					
Cobalt	March-11	mg/l		**0.00342J**		<0.02	**0.00164J**	**0.0144J**	**0.00522J**	<0.02	<0.02	**0.00582J**	<0.02	<0.02		**0.0109J**	**0.01J**	**0.0047J**	<0.02	**0.00199J**					
Cobalt	June-11	mg/l		**0.0107J**								**0.00517J**		<0.02		**0.00948J**	**0.011J**								
Cobalt	July-11	mg/l	<0.02																						
Cobalt	August-11	mg/l		<0.02																					
Cobalt	September-11	mg/l	**0.00227J**	<0.02		<0.02	**0.00762J**	**0.0225**	**0.0081J**	<0.02	<0.02		<0.02	<0.02		**0.0134J**	**0.0113J**	**0.00742J**	**0.00259J**	**0.00425J**					
Cobalt	December-11	mg/l	<0.02	**0.00284J**										**0.0022J**		**0.00893J**	**0.0098J**								
Cobalt	March-12	mg/l	<0.02	<0.02		**0.0078J**	<0.02	**0.0063J**	**0.0215**	**0.00425J**	<0.02	**0.00304J**	<0.02	<0.02		**0.0133J**	**0.0084J**	**0.0034J**	**0.00329J**	<0.02					
Cobalt	April-12	mg/l													**0.0869**										
Cobalt	June-12	mg/l													**0.0371J**										
Cobalt	October-12	mg/l	<0.02	<0.02		**0.00181J**	**0.00972J**	**0.0154J**	**0.0115J**	<0.02			**0.00237J**	<0.02	**0.00189J**	<0.02	<0.02		<0.02						
Cobalt	March-13	mg/l	**0.00178J**	**0.00635J**		**0.00282J**	**0.0067J**	**0.0228**	**0.0125J**	**0.00132J**	<0.02		**0.00314J**	<0.02	**0.0332**	**0.0314**	**0.0128J**	**0.00367J**	**0.0332**						
Cobalt	June-13	mg/l																			**0.0101**				
Cobalt	September-13	mg/l	**0.00149J**	<0.007		<0.007	**0.0195**	**0.00812**	**0.00285J**	<0.007	<0.007		<0.007	<0.007	**0.0204**	**0.00726**	**0.00765**	**0.0141**	**0.00341J**	<0.007	**0.0263**				
Cobalt	November-13	mg/l																			**0.0175**				
Cobalt	March-14	mg/l	**0.00263J**	**0.00346J**		<0.007	**0.0296**	**0.016**	**0.0058J**	<0.007	<0.007	<0.007	**0.00904**	<0.007	**0.00619J**	**0.0144**	**0.0138**	<0.007	**0.00582J**		**0.0116**				
Cobalt	June-14	mg/l																		<0.007	**0.00594J**				
Cobalt	September-14	mg/l	**0.00139**	<0.0005		**0.00116**	**0.0124**	**0.0141**	**0.00805**	**0.000258J**	**0.000493J**	**0.000532**	**0.0035**	**0.000424J**	**0.00276**	**0.00835**	**0.00996**	**0.000806**	**0.00436**	<0.0005	**0.00557**				
Cobalt	December-14	mg/l															**0.0129**								
Cobalt	April-15	mg/l	**0.000834**	**0.000104J**		**0.000786**	**0.0152**	**0.00936**	**0.00483**	**0.000211J**	**0.00031J**	**0.0003J**			**0.000868**	**0.000268J**	**0.0135**	**0.000701**	**0.00245**	**0.00006J**	**0.00373**				
Cobalt	October-15	mg/l	**0.00181**	<0.0000528		**0.00152**	**0.0246**	**0.00931**	**0.00632**	**0.000202J**	**0.0021**				**0.000493J**	**0.013**	**0.00924**	**0.000798**	**0.00148**	<0.0000528	**0.00468**				
Cobalt	April-16	mg/l	**0.0013**	**0.000099J**		**0.000863**	**0.0067**	**0.0147**	**0.00376**	**0.000281J**	**0.000544**	**0.00052**			**0.000161J**	**0.00191**	**0.0106**	**0.000251J**	**0.000578**	**0.000052J**	**0.00144**				
Cobalt	October-16	mg/l													**0.000114J**										
Cobalt	November-16	mg/l	**0.00234**	**0.000072J**		**0.0018**	**0.0179**	**0.00948**	**0.00392**	**0.000321J**	**0.00365**	**0.000801**				**0.0205**	**0.00745**	**0.00253**	**0.00287**	**0.00108**	**0.00726**				
Cobalt	March-17	mg/l	**0.00184**	**0.00445**		**0.00186**	**0.00817**	**0.0133**	**0.00296**	**0.000274J**	**0.00171**	**0.00241**			**0.000285J**	**0.0073**	**0.0093**	**0.000872**	**0.000313J**	<0.0000453	**0.00186**				
Cobalt	June-17	mg/l	**0.00522**	**0.00421**		**0.00184**	**0.00746**				**0.00198**	**0.000749**						**0.0002J**			**0.0015**				
Cobalt	October-17	mg/L	**0.00208**	**0.00223**		**0.00136**	**0.00987**	**0.0156**	**0.00362**	**0.00024J**	**0.00361**				**0.000104J**	**0.0136**	**0.0076**	**0.00029J**	**0.000805**	**0.000065J**	**0.00146**				
Cobalt	December-17	mg/L				**0.00123**					**0.00235**								**0.00291**		**0.00144**				
Cobalt	April-18	mg/L	**0.00405**	**0.00223**		**0.00147**	**0.00657**	**0.0198**	**0.00271**	**0.000779**	**0.000605**	**0.00131**	**0.00169**	**0.000308J**	**0.000198J**	**0.00941**	**0.00465**	**0.000384J**	**0.00152**	**0.000093J**	**0.00139**	**0.00238**	**0.000954**	**0.000483J**	
Cobalt	July-18	mg/L			**0.00117**							**0.000929**													
Cobalt	October-18	mg/L	**0.00286**	**0.000125J**		**0.00162**	**0.00612**		**0.00516**				**0.0023**	**0.000359J**	**0.000407J**		**0.00308**					**0.00293**			
Cobalt	November-18	mg/L			**0.000186J**			**0.0172**		**0.000317J**	**0.000519**	**0.00105**				**0.00583**		**0.000318J**	**0.00306**	**0.00976**	**0.00217**				
Cobalt	January-19	mg/L			**0.000123J**															**0.00206**					

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Cobalt	March-19	mg/L	0.00218	0.000394J	<0.0000910	0.00258	0.0051	0.0152	0.00556	0.000302	0.000373J	0.000484J	0.00182	0.000373J	0.000124	0.00124	0.00766	0.000284J	0.000727	0.00206	0.002	0.00127	0.00187	0.000264	
Cobalt	May-19	mg/L			0.000572J															0.0029					
Cobalt	October-19	mg/L	0.00175	0.000098J	<0.0000910	0.00193	0.00407	0.0124	0.00265	0.000339J	0.00184	0.00103	0.00103	0.000293J	0.000131J	0.00249	0.00546	0.000185J	0.00491	0.00207	0.00179	0.00234	0.000689	0.000151J	
Cobalt	March-20	mg/L	0.011	0.00784		0.00239	0.00271	0.0145	0.00273	0.000312J	0.0007	0.00129	0.00453	0.000288J	<0.0000910	0.000422J	0.007	0.00021J	0.000623		0.00194	0.00168	0.00455	0.000144J	
Cobalt	April-20	mg/L			<0.0000910															0.00229					
Cobalt	September-20	mg/L	0.00978	0.00124	<0.0000910		0.00362	0.0154	0.00351	0.000357J	0.0177	0.00768			<0.0000910	0.0024	0.0064	0.000247J	0.00178	0.00855	0.00179		0.00125	<0.0000910	
Cobalt	October-20	mg/L				0.00357							0.000972	0.000235J								0.00245			
Cobalt	November-20	mg/L	0.0198																						
Cobalt	December-20	mg/L	0.00607																						
Cobalt	March-21	mg/L		0.00529	0.000237J	0.00143	0.00338	0.0149	0.00494	0.000335J				0.000302J	<0.0000910	0.000204J	0.0048				0.00183		0.00151	<0.0000910	
Cobalt	April-21	mg/L	0.00731								0.000756	0.0289	0.000842					0.0156	0.000179J	0.0106		0.00197			
Cobalt	May-21	mg/L																0.018							
Cobalt	August-21	mg/L																							
Cobalt	October-21	mg/L	0.00448	0.000312J	0.00049J	0.00467	0.00591	0.0129	0.00567	0.000581	0.00965	0.00858	0.001	0.000826	0.00288	0.00416	0.0091	0.0096	0.000323J	0.00682	0.00165	0.00194	0.000887		
Cobalt	December-21	mg/L																0.0243							
Cobalt	February-22	mg/L	0.00228																						0.0013
Cobalt	April-22	mg/L	0.00267	0.0129	0.0019	0.000701	0.00446	0.00707	0.00344	0.000492J	0.000481J	0.0292	0.000939	0.000458J	<0.000190	<0.000190	0.0045	0.00428	<0.000190	0.0101	0.00178	0.00216	0.00181		0.00123
Cobalt	July-22	mg/L																							0.0012
Cobalt	October-22	mg/L	0.00246	0.00545	0.000344J	0.00365	0.00496	0.015	0.00515	0.000438J	0.00643		0.00078	0.000579	0.00184	0.00525	0.00498	0.0332	0.00132	0.00453	0.00209	0.00189	0.000752		0.00079
Cobalt	April-23	mg/L	0.00206	0.00975	0.000296J	0.00351	0.00255	0.0156	0.00339	0.000481J	0.00104	0.0994	0.00181	0.000562	0.00129	0.000241J	0.00273	0.014	0.000238J	0.00896	0.00181	0.00203	0.00232		0.000769
Cobalt	May-23	mg/L																							
Cobalt	June-23	mg/L																0.00743							
Cobalt	October-23	mg/L	0.002	0.00179	0.00243	0.0033	0.0071	0.019	0.00562	0.000401J	0.00278		0.00137	0.000645	0.000251J	0.0202	0.00517	0.0539	<0.000170	0.00283	0.00249	0.0019	0.000793		0.000645
Cobalt, Dissolved	December-20	mg/L	0.00648																						
Copper	January-08	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	0.0234	<0.02	0.0269	<0.02											
Copper	March-08	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02											
Copper	August-08	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02											
Copper	September-08	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02											
Copper	October-08	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02											
Copper	March-09	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02											
Copper	June-09	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02			<0.02												
Copper	September-09	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02											
Copper	December-09	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02			<0.02												
Copper	March-10	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02											
Copper	June-10	mg/l									<0.02					<0.02	<0.02	<0.02	<0.02	<0.02					
Copper	August-10	mg/l									<0.02	<0.02				<0.02	<0.02	<0.02	<0.02	<0.02					
Copper	September-10	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02					
Copper	December-10	mg/l									<0.02					<0.02	<0.02	<0.02	<0.02	<0.02					
Copper	March-11	mg/l		<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02					
Copper	June-11	mg/l		<0.02								<0.02		<0.02		<0.02	<0.02								
Copper	July-11	mg/l	<0.02																						
Copper	August-11	mg/l		<0.02																					
Copper	September-11	mg/l	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02					
Copper	December-11	mg/l	<0.02	<0.02										<0.02		<0.02	<0.02								
Copper	March-12	mg/l	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	0.0347	<0.02					
Copper	April-12	mg/l													0.0627										
Copper	June-12	mg/l													<0.04										
Copper	October-12	mg/l	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02			<0.02	<0.02	<0.02	<0.02	<0.02		<0.02						
Copper	March-13	mg/l	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	0.0202	<0.02	<0.02	0.00187J	0.0326						
Copper	June-13	mg/l																			<0.02				
Copper	September-13	mg/l	<0.02	<0.02		<0.02	0.0018J	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	0.0341	<0.02	<0.02	0.0118J	0.00176J	<0.02	0.0231				
Copper	November-13	mg/l																			0.018J				
Copper	March-14	mg/l	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.0175J	0.0048J	<0.02	<0.02	0.00945J		0.00985J				
Copper	June-14	mg/l																		<0.02	0.00433J				
Copper	September-14	mg/l	<0.002	<0.002		<0.002	0.000947J	0.000495J	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.00842	0.00108J	<0.002	<0.002	0.00363	<0.002	0.00431				
Copper	December-14	mg/l															<0.002								
Copper	April-15	mg/l	<0.002	<0.002		<0.002	0.00085J	<0.002	<0.002	<0.002	0.00124J	<0.002			0.00218	0.00186J	<0.002	<0.002	0.00207	<0.002	<0.002				
Copper	October-15	mg/l	0.000748J	0.000705J		<0.000485	0.000774J	0.00198J	<0.000485	0.0005J	0.00369				<0.000485	0.000592J	<0.00122	0.0005J	0.00222	<0.000485	<0.00122				
Copper	April-16	mg/l	<0.00122	<0.00122		<0.00122	<0.00122	<0.00122	<0.00122	0.0128	0.00211J	<0.00122			<0.00122	<0.00122	<0.00122	<0.00122	<0.00122	<0.00122	<0.00122				
Copper	October-16	mg/l													<0.00122										
Copper	November-16	mg/l	<0.00122	<0.00122		<0.00122	<0.00122	<0.00122	<0.00122	<0.00122	0.00124J	<0.00122				<0.00122	0.00297J	<0.00122	<0.00122	0.00225J	<0.00122				
Copper	March-17	mg/l	<0.00219	<0.00219		<0.00219	<0.00219	<0.00219	<0.00219	<0.00219	<0.00219	<0.00219			<0.00219	<0.00219	<0.00219	<0.00219	<0.00219	<0.00219	<0.00219				
Copper	October-17	mg/L	<0.00219	<0.00219		<0.00219	<0.00219	<0.00219	<0.00219	<0.00219	<0.00219				<0.00219	<0.00219	0.00329J	<0.00219	<0.00219	<0.00219	<0.00219				
Copper	December-17	mg/L				<0.00219					<0.00219								0.00257J		<0.00219				
Copper	April-18	mg/L	<0.00160	0.00227J		<0.00160	<0.00160	<0.00160	<0.00160	<0.00160	<0.00160	<0.00160			0.00277J	<0.00160	<0.00160	<0.00160	<0.00160	<0.00160	<0.00160				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Copper	July-18	mg/L			<0.00160							<0.00160													
Copper	October-18	mg/L	<0.00160	<0.00160		<0.00160	<0.00160		**0.0704**						**0.00322J**		<0.00160								
Copper	November-18	mg/L			<0.00160			<0.00160		**0.0103**	**0.00232J**	<0.00160				<0.00160		<0.00160	**0.00176J**	<0.00160	<0.00160				
Copper	January-19	mg/L			<0.00160																				
Copper	March-19	mg/L	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200			<0.00200	**0.00214J**	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200				
Copper	May-19	mg/L			<0.000497															**0.000648J**					
Copper	October-19	mg/L	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200			**0.00272J**	<0.00200	<0.00200	<0.00200	**0.00378J**	<0.00200	<0.00200				
Copper	March-20	mg/L	<0.00320	<0.00320		<0.00320	<0.00320	<0.00320	<0.00320	<0.00320	<0.00320	<0.00320			<0.00320	<0.00320	<0.00320	<0.00320	<0.00320		<0.00320				
Copper	April-20	mg/L			**0.00386J**															<0.00320					
Copper	September-20	mg/L	**0.00201J**	<0.00150	<0.00150		<0.00150	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150			<0.00150	**0.00275J**	<0.00150	<0.00150	**0.00206J**	<0.00150	<0.00150				
Copper	October-20	mg/L				**0.00213J**																			
Copper	November-20	mg/L	**0.00813**																						
Copper	December-20	mg/L	<0.00150																						
Copper	March-21	mg/L		<0.00140	<0.00140	**0.00259J**	<0.00140	<0.00140	<0.00140	<0.00140					**0.00183J**	**0.00165J**	<0.00140				<0.00140				
Copper	April-21	mg/L	<0.00140								**0.00181J**	**0.00147J**						**0.00142J**	<0.00140	<0.00140					
Copper	May-21	mg/L																<0.00140							
Copper	August-21	mg/L																							
Copper	October-21	mg/L	<0.00140	<0.00140	<0.00140	<0.00140	<0.00140	<0.00140	<0.00140	**0.00254J**	**0.00276J**	<0.00140			**0.00792**	<0.00140	<0.00140	<0.00140	<0.00140	<0.00140	<0.00140				
Copper	December-21	mg/L																<0.00140							
Copper	February-22	mg/L	<0.00180																						<0.00180
Copper	April-22	mg/L	<0.00180	<0.00180	<0.00180	**0.00284J**	<0.00180	<0.00180	<0.00180	**0.00218J**	**0.00352J**	**0.00412J**			<0.00180	<0.00180	<0.00180	<0.0126	<0.00180	<0.00180	<0.00180				<0.00180
Copper	July-22	mg/L																							<0.00180
Copper	October-22	mg/L	<0.00180	**0.00319J**	<0.00180	<0.00180	<0.00180	<0.00180	<0.00180	<0.00180	**0.00315J**				**0.00538**	<0.00180	<0.00180	<0.00180	<0.00180	<0.00180	<0.00180				<0.00180
Copper	April-23	mg/L	**0.00186J**	<0.00180	<0.00180	<0.00180	<0.00180	<0.00180	<0.00180	<0.00180	<0.00180	<0.00180			**0.00287J**	<0.00180	<0.00180	**0.00192J**	<0.00180	<0.00180	<0.00180				<0.00180
Copper	May-23	mg/L																							
Copper	October-23	mg/L	<0.00180	<0.00180	<0.00180	<0.00180	**0.00197J**	<0.00180	<0.00180	<0.00180	**0.00316J**				**0.00195J**	<0.00180	**0.00189J**	<0.00180	<0.00180	<0.00180	<0.00180				<0.00180
Copper, Dissolved	December-20	mg/L	<0.00150																						
Cyanide	March-09	mg/l					<0.01	<0.01	<0.01																
Cyanide	June-09	mg/l				<0.01	<0.01	<0.01	<0.01	<0.01			<0.01												
Cyanide	September-09	mg/l				<0.01	<0.01	<0.01	<0.01	<0.01			<0.01												
Cyanide	December-09	mg/l				<0.01	<0.01	<0.01	<0.01	<0.01			<0.01												
Cyanide	March-10	mg/l				<0.01				<0.01			<0.01												
Cyanide	June-10	mg/l									<0.01														
Cyanide	August-10	mg/l									<0.01	<0.01													
Cyanide	September-10	mg/l				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01												
Cyanide	December-10	mg/l									<0.01														
Cyanide	March-11	mg/l										<0.01		<0.01											
Cyanide	June-11	mg/l										<0.01		<0.01		<0.01	<0.01								
Cyanide	September-11	mg/l				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01		<0.01	<0.01								
Cyanide	December-11	mg/l												<0.01		<0.01	<0.01								
Cyanide	March-12	mg/l														<0.01	<0.01								
Cyanide	December-14	mg/l															<0.01								
Cyanide	October-16	mg/l													<0.00352										
Cyanide	November-16	mg/l						<0.00352	**0.00508J**	<0.00352						<0.00352	<0.00352								
Cyanide, Total	October-17	mg/L					<0.00346																		
Cyanide, Total	December-17	mg/L				<0.00346					<0.00346								<0.00346		<0.00346				
Cyanide, Total	July-18	mg/L			<0.00420							<0.00420													
Cyanide, Total	November-18	mg/L			<0.00420							<0.00420													
Cyanide, Total	May-19	mg/L																		<0.00500					
Cyanide, Total	October-21	mg/L						<0.00530	<0.00530	<0.00530						<0.00530	<0.00530								
Cyanide, Total	December-21	mg/L																**0.0061J**							
Cyanide, Total	October-22	mg/L				<0.00430	<0.00430				<0.00430								<0.00430		<0.00430				
Di-n-butyl phthalate	March-09	ug/l					<10	<10	<10																
Di-n-butyl phthalate	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Di-n-butyl phthalate	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Di-n-butyl phthalate	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Di-n-butyl phthalate	March-10	ug/l				<10				<10			<10												
Di-n-butyl phthalate	June-10	ug/l									<10														
Di-n-butyl phthalate	August-10	ug/l									<10	<10													
Di-n-butyl phthalate	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Di-n-butyl phthalate	December-10	ug/l									<10														
Di-n-butyl phthalate	March-11	ug/l										<10		<10											
Di-n-butyl phthalate	June-11	ug/l										<10		<10		<10	<10								
Di-n-butyl phthalate	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Di-n-butyl phthalate	December-11	ug/l												<10		<10	<10								

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Di-n-butyl phthalate	March-12	ug/l														<10	<10								
Di-n-butyl phthalate	December-14	ug/l															<10.2								
Di-n-butyl phthalate	October-16	ug/l													<0.531										
Di-n-butyl phthalate	November-16	ug/l						<0.51	<0.51	<0.554						<0.573	<0.567								
Di-n-butyl phthalate	October-17	ug/L					<0.537																		
Di-n-butyl phthalate	December-17	ug/L				**0.972J**					**0.968J**								**0.953J**		**0.937J**				
Di-n-butyl phthalate	July-18	ug/L			<1.16							<1.20													
Di-n-butyl phthalate	November-18	ug/L			<1.19							<1.20													
Di-n-butyl phthalate	May-19	ug/L																		<1.16					
Di-n-butyl phthalate	October-21	ug/L						<1.26	**1.38J**	<1.22						<1.25	<1.26								
Di-n-butyl phthalate	December-21	ug/L																<1.26							
Di-n-butyl phthalate	October-22	ug/L				<4.75	<4.75				<4.75								<4.75		<4.91				
Di-n-octyl phthalate	October-17	ug/L					<0.242																		
Di-n-octyl phthalate	December-17	ug/L				<0.245					<0.240								<0.240		<0.240				
Di-n-octyl phthalate	July-18	ug/L			<2.68							<2.76													
Di-n-octyl phthalate	November-18	ug/L			<2.73							<2.76													
Di-n-octyl phthalate	May-19	ug/L																		<2.68					
Di-n-octyl phthalate	October-21	ug/L						<3.16	<3.16	<3.06						<3.13	<3.16								
Di-n-octyl phthalate	December-21	ug/L																<3.16							
Di-n-octyl phthalate	October-22	ug/L				<5.93	<5.93				**8.58J**								<5.93		<6.14				
Di-n-octylphthalate	March-09	ug/l					<10	<10	<10																
Di-n-octylphthalate	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Di-n-octylphthalate	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Di-n-octylphthalate	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Di-n-octylphthalate	March-10	ug/l				<10				<10			<10												
Di-n-octylphthalate	June-10	ug/l									<10														
Di-n-octylphthalate	August-10	ug/l									<10	<10													
Di-n-octylphthalate	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Di-n-octylphthalate	December-10	ug/l									<10														
Di-n-octylphthalate	March-11	ug/l										<10		<10											
Di-n-octylphthalate	June-11	ug/l										<10		<10		<10	<10								
Di-n-octylphthalate	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Di-n-octylphthalate	December-11	ug/l												<10		<10	<10								
Di-n-octylphthalate	March-12	ug/l														<10	<10								
Di-n-octylphthalate	December-14	ug/l															<20.4								
Di-n-octylphthalate	October-16	ug/l													**1.66J**										
Di-n-octylphthalate	November-16	ug/l						**1.63J**	**1.66J**	<0.25						**1.86J**	**1.77J**								
Diallate	March-09	ug/l					<10	<10	<10																
Diallate	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Diallate	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Diallate	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Diallate	March-10	ug/l				<10				<10			<10												
Diallate	June-10	ug/l									<10														
Diallate	August-10	ug/l									<10	<10													
Diallate	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Diallate	December-10	ug/l									<10														
Diallate	March-11	ug/l										<10		<10											
Diallate	June-11	ug/l										<10		<10		<10	<10								
Diallate	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Diallate	December-11	ug/l												<10		<10	<10								
Diallate	March-12	ug/l														<10	<10								
Diallate	December-14	ug/l															<10.2								
Diallate	October-16	ug/l													<0.24										
Diallate	November-16	ug/l						<0.23	<0.23	<0.25						<0.258	<0.256								
Diallate	October-17	ug/L					<0.242																		
Diallate	December-17	ug/L				<0.245					<0.240								<0.240		<0.240				
Diallate	July-18	ug/L			<0.232							<0.240													
Diallate	November-18	ug/L			<0.237							<0.240													
Diallate	May-19	ug/L																		<0.232					
Diallate	October-21	ug/L						<1.37	<1.37	<1.33						<1.35	<1.37								
Diallate	December-21	ug/L																<1.37							
Diallate	October-22	ug/L				<3.39	<3.39				<3.39								<3.39		<3.51				
Dibenzo(a,h)anthracene	October-17	ug/L					<0.263																		
Dibenzo(a,h)anthracene	December-17	ug/L				<0.266					<0.260								<0.260		<0.260				
Dibenzo(a,h)anthracene	July-18	ug/L			<1.85							<1.91													

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Dibenzo(a,h)anthracene	November-18	ug/L			<1.89							<1.91													
Dibenzo(a,h)anthracene	May-19	ug/L																		<1.85					
Dibenzo(a,h)anthracene	October-21	ug/L						<2.00	<2.00	<1.94						<1.98	<2.00								
Dibenzo(a,h)anthracene	December-21	ug/L																<2.00							
Dibenzo(a,h)anthracene	October-22	ug/L				<3.31	<3.31				<3.31								<3.31		<3.42				
Dibenzo[a,h]anthracene	March-09	ug/l					<10	<10	<10																
Dibenzo[a,h]anthracene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Dibenzo[a,h]anthracene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Dibenzo[a,h]anthracene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Dibenzo[a,h]anthracene	March-10	ug/l				<10				<10			<10												
Dibenzo[a,h]anthracene	June-10	ug/l									<10														
Dibenzo[a,h]anthracene	August-10	ug/l									<10	<10													
Dibenzo[a,h]anthracene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Dibenzo[a,h]anthracene	December-10	ug/l									<10														
Dibenzo[a,h]anthracene	March-11	ug/l										<10		<10											
Dibenzo[a,h]anthracene	June-11	ug/l										<10		<10		<10	<10								
Dibenzo[a,h]anthracene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Dibenzo[a,h]anthracene	December-11	ug/l												<10		<10	<10								
Dibenzo[a,h]anthracene	March-12	ug/l														<10	<10								
Dibenzo[a,h]anthracene	December-14	ug/l															<10.2								
Dibenzo[a,h]anthracene	October-16	ug/l													<0.26										
Dibenzo[a,h]anthracene	November-16	ug/l						<0.25	**0.597J**	<0.272						<0.281	<0.278								
Dibenzofuran	March-09	ug/l					<10	<10	<10																
Dibenzofuran	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Dibenzofuran	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Dibenzofuran	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Dibenzofuran	March-10	ug/l				<10				<10			<10												
Dibenzofuran	June-10	ug/l									<10														
Dibenzofuran	August-10	ug/l									<10	<10													
Dibenzofuran	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Dibenzofuran	December-10	ug/l									<10														
Dibenzofuran	March-11	ug/l										<10		<10											
Dibenzofuran	June-11	ug/l										<10		<10		<10	<10								
Dibenzofuran	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Dibenzofuran	December-11	ug/l												<10		<10	<10								
Dibenzofuran	March-12	ug/l														<10	<10								
Dibenzofuran	December-14	ug/l															<10.2								
Dibenzofuran	October-16	ug/l													<0.25										
Dibenzofuran	November-16	ug/l						<0.24	<0.24	<0.261						<0.27	<0.267								
Dibenzofuran	October-17	ug/L					<0.253																		
Dibenzofuran	December-17	ug/L				<0.255					<0.250								<0.250		<0.250				
Dibenzofuran	July-18	ug/L			<0.242							<0.250													
Dibenzofuran	November-18	ug/L			<0.247							<0.250													
Dibenzofuran	May-19	ug/L																		<0.242					
Dibenzofuran	October-21	ug/L						<1.26	<1.26	<1.22						<1.25	<1.26								
Dibenzofuran	December-21	ug/L																<1.26							
Dibenzofuran	October-22	ug/L				<0.627	<0.627				<0.627								<0.627		<0.649				
Dibromomethane	January-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Dibromomethane	March-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Dibromomethane	August-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Dibromomethane	September-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Dibromomethane	October-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Dibromomethane	March-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Dibromomethane	June-09	ug/l				<5	<1	<1	<1	<1			<1												
Dibromomethane	September-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Dibromomethane	December-09	ug/l				<1	<1	<1	<1	<1			<1												
Dibromomethane	March-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Dibromomethane	June-10	ug/l									<1					<1	<1	<1	<1	<1					
Dibromomethane	August-10	ug/l									<1	<1				<1	<1	<1	<1	<1					
Dibromomethane	September-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Dibromomethane	December-10	ug/l									<1					<1	<1	<1	<1	<1					
Dibromomethane	March-11	ug/l		<1		<1	<1	<1	<10	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Dibromomethane	April-11	ug/l				<1		<1	<10	<1							<1								
Dibromomethane	June-11	ug/l		<1								<1		<1		<1	<1								
Dibromomethane	July-11	ug/l	<1																						

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Dibromomethane	August-11	ug/l		<1																					
Dibromomethane	September-11	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1		<1	<1	<1	<1	<1					
Dibromomethane	December-11	ug/l	<1	<1										<1		<1	<1								
Dibromomethane	March-12	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Dibromomethane	June-12	ug/l													<1										
Dibromomethane	October-12	ug/l	<1	<1		<1	<1	<1	<1	<1			<1	<1		<1	<1		<1						
Dibromomethane	March-13	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1	<1	<1	<1	<1	<1						
Dibromomethane	June-13	ug/l																			<1				
Dibromomethane	September-13	ug/l	<1	<1		<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1				
Dibromomethane	November-13	ug/l																			<1				
Dibromomethane	March-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1				
Dibromomethane	June-14	ug/l																		<1	<1				
Dibromomethane	September-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
Dibromomethane	December-14	ug/l															<1								
Dibromomethane	April-15	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1				
Dibromomethane	October-15	ug/l	<0.18	<0.18		<0.18	<0.18	<0.18	<0.18	<0.18	<0.18				<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18				
Dibromomethane	April-16	ug/l	<0.18	<0.18		<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18			<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18				
Dibromomethane	October-16	ug/l													<0.18										
Dibromomethane	November-16	ug/l	<0.18	<0.18		<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18				<0.18	<0.18	<0.18	<0.18	<0.18	<0.18				
Dibromomethane	March-17	ug/l	<0.18	<0.18		<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18			<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18				
Dibromomethane	October-17	ug/L	<0.180	<0.180		<0.180	<0.180	<0.180	<0.180	<0.180	<0.180				<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180				
Dibromomethane	December-17	ug/L				<0.180					<0.180								<0.180		<0.180				
Dibromomethane	April-18	ug/L	<0.180	<0.180		<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180			<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180				
Dibromomethane	July-18	ug/L			<0.330							<0.330													
Dibromomethane	October-18	ug/L	<0.330	<0.330		<0.330	<0.330		<0.330						<0.330		<0.330								
Dibromomethane	November-18	ug/L			<0.330			<0.330		<0.330	<0.330	<0.330				<0.330		<0.330	<0.330	<0.330	<0.330				
Dibromomethane	January-19	ug/L			<0.330																				
Dibromomethane	March-19	ug/L	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330			<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330				
Dibromomethane	May-19	ug/L			<0.330															<0.330					
Dibromomethane	October-19	ug/L	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330			<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330				
Dibromomethane	March-20	ug/L	<0.330	<0.330		<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330			<0.330	<0.330	<0.330	<0.330	<0.330		<0.330				
Dibromomethane	April-20	ug/L			<0.330															<0.330					
Dibromomethane	September-20	ug/L	<0.330	<0.330	<0.330		<0.330	<0.330	<0.330	<0.330	<0.330	<0.330			<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330				
Dibromomethane	October-20	ug/L				<0.330																			
Dibromomethane	March-21	ug/L		<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330					<0.330	<0.330	<0.330				<0.330				
Dibromomethane	April-21	ug/L	<0.330								<0.330	<0.330						<0.330	<0.330	<0.330					
Dibromomethane	May-21	ug/L																<0.330							
Dibromomethane	August-21	ug/L																							
Dibromomethane	October-21	ug/L	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330			<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330				
Dibromomethane	December-21	ug/L																<0.330							
Dibromomethane	February-22	ug/L	<0.330																						<0.330
Dibromomethane	April-22	ug/L	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330			<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330				<0.330
Dibromomethane	July-22	ug/L																							<0.330
Dibromomethane	October-22	ug/L	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330				<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330				<0.330
Dibromomethane	April-23	ug/L	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330			<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330				<0.330
Dibromomethane	May-23	ug/L																							
Dibromomethane	October-23	ug/L	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330				<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330				<0.330
Dichlorodifluoromethane	March-09	ug/l					<3	<3	<3																
Dichlorodifluoromethane	June-09	ug/l				<15	<3	<3	<3	<3			<3												
Dichlorodifluoromethane	September-09	ug/l				<3	<3	<3	<3	<3			<3												
Dichlorodifluoromethane	December-09	ug/l				<3	<3	<3	<3	<3			<3												
Dichlorodifluoromethane	March-10	ug/l				<3	<3	<3	<3	<3			<3												
Dichlorodifluoromethane	June-10	ug/l									<3														
Dichlorodifluoromethane	August-10	ug/l									<3	<3													
Dichlorodifluoromethane	September-10	ug/l				<3	<3	<3	<3	<3	<3	<3	<3												
Dichlorodifluoromethane	December-10	ug/l									<3														
Dichlorodifluoromethane	March-11	ug/l				<3	<3	<3	<30	<3	<3	<3	<3	<3											
Dichlorodifluoromethane	April-11	ug/l				<3		<3	<30	<3							<3								
Dichlorodifluoromethane	June-11	ug/l										<3		<3		<3	<3								
Dichlorodifluoromethane	September-11	ug/l				<3	<3	<3	<30	<3	<3		<3	<3		<3	<3								
Dichlorodifluoromethane	December-11	ug/l												<3		<3	<3								
Dichlorodifluoromethane	March-12	ug/l											<3			<3	<3								
Dichlorodifluoromethane	December-14	ug/l															<3								
Dichlorodifluoromethane	October-16	ug/l													<0.2										
Dichlorodifluoromethane	November-16	ug/l						**0.208J**	**0.359J**	<0.2						<0.2	<0.2								

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Dichlorodifluoromethane	October-17	ug/L					<0.200																		
Dichlorodifluoromethane	December-17	ug/L				<0.200					<0.200								<0.200		<0.200				
Dichlorodifluoromethane	July-18	ug/L			<0.250							<0.250													
Dichlorodifluoromethane	November-18	ug/L			<0.250							<0.250													
Dichlorodifluoromethane	May-19	ug/L																		<0.250					
Dichlorodifluoromethane	October-21	ug/L						<0.250	<0.250	<0.250						<0.250	<0.250								
Dichlorodifluoromethane	December-21	ug/L																<0.250							
Dichlorodifluoromethane	October-22	ug/L				<0.250	<0.250				<0.250								<0.250		<0.250				
Dieldrin	March-09	ug/l					<0.032	<0.032	<0.032																
Dieldrin	June-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Dieldrin	September-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Dieldrin	December-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Dieldrin	March-10	ug/l				<0.032				<0.032			<0.032												
Dieldrin	June-10	ug/l									<0.032														
Dieldrin	August-10	ug/l									<0.032	<0.032													
Dieldrin	September-10	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032												
Dieldrin	December-10	ug/l									<0.032														
Dieldrin	March-11	ug/l					<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032											
Dieldrin	June-11	ug/l										<0.032		<0.032		<0.0392	<0.032								
Dieldrin	September-11	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032		<0.032	<0.032		<0.032	<0.032								
Dieldrin	December-11	ug/l												<0.032		<0.032	<0.032								
Dieldrin	March-12	ug/l														<0.032	<0.032								
Dieldrin	December-14	ug/l															<0.0352								
Dieldrin	October-16	ug/l													<0.00208										
Dieldrin	November-16	ug/l						<0.00206	<0.002	<0.00215						<0.00206	<0.00206								
Dieldrin	October-17	ug/L					<0.00208																		
Dieldrin	December-17	ug/L				**0.00588J**					**0.00284J**								<0.00208		<0.00208				
Dieldrin	July-18	ug/L			<0.00202							**0.00788J**													
Dieldrin	November-18	ug/L			<0.00206							**0.00526J**													
Dieldrin	May-19	ug/L																		<0.00204					
Dieldrin	October-21	ug/L						<0.0126	<0.0126	<0.0126						<0.0126	<0.0126								
Dieldrin	December-21	ug/L																**0.0224J**							
Dieldrin	October-22	ug/L				<0.0220	<0.0228				<0.0220								<0.0236		<0.0220				
Dieldrin	April-23	ug/L								<0.0260								<0.0260							
Diethyl phthalate	October-17	ug/L					**5.31J**																		
Diethyl phthalate	December-17	ug/L				<0.277					<0.271								**5.03J**		**1.89J**				
Diethyl phthalate	July-18	ug/L			<0.273							<0.281													
Diethyl phthalate	November-18	ug/L			<0.278							<0.281													
Diethyl phthalate	May-19	ug/L																		<0.273					
Diethyl phthalate	October-21	ug/L						<1.16	<1.16	<1.12						<1.15	<1.16								
Diethyl phthalate	December-21	ug/L																<1.16							
Diethyl phthalate	October-22	ug/L				<1.44	<1.44				<1.44								<1.44		<1.49				
Diethylphthalate	March-09	ug/l					<10	<10	<10																
Diethylphthalate	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Diethylphthalate	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Diethylphthalate	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Diethylphthalate	March-10	ug/l				<10				<10			<10												
Diethylphthalate	June-10	ug/l									<10														
Diethylphthalate	August-10	ug/l									<10	<10													
Diethylphthalate	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Diethylphthalate	December-10	ug/l									<10														
Diethylphthalate	March-11	ug/l										<10		<10											
Diethylphthalate	June-11	ug/l										<10		<10		<10	<10								
Diethylphthalate	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Diethylphthalate	December-11	ug/l												<10		<10	<10								
Diethylphthalate	March-12	ug/l														<10	<10								
Diethylphthalate	December-14	ug/l															<10.2								
Diethylphthalate	October-16	ug/l													<0.24										
Diethylphthalate	November-16	ug/l						<0.26	<0.23	<0.25						<0.258	<0.289								
Dimethoate	March-09	ug/l					<10	<10	<10																
Dimethoate	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Dimethoate	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Dimethoate	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Dimethoate	March-10	ug/l				<10				<10			<10												
Dimethoate	June-10	ug/l									<10														

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Dimethoate	August-10	ug/l									<10	<10													
Dimethoate	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Dimethoate	December-10	ug/l									<10														
Dimethoate	March-11	ug/l										<10		<10											
Dimethoate	June-11	ug/l										<10		<10		<10	<10								
Dimethoate	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Dimethoate	December-11	ug/l												<10		<10	<10								
Dimethoate	March-12	ug/l														<10	<10								
Dimethoate	December-14	ug/l															<10.2								
Dimethoate	October-16	ug/l													<0.281										
Dimethoate	November-16	ug/l						<0.27	<0.27	<0.293						<0.303	<0.3								
Dimethoate	October-17	ug/L					<0.284																		
Dimethoate	December-17	ug/L				<0.287					<0.281								<0.281		<0.281				
Dimethoate	July-18	ug/L			<0.273							<0.281													
Dimethoate	November-18	ug/L			<0.278							<0.281													
Dimethoate	May-19	ug/L																		<0.273					
Dimethoate	October-21	ug/L						<1.05	<1.05	<1.02						<1.04	<1.05								
Dimethoate	December-21	ug/L																<1.05							
Dimethoate	October-22	ug/L				<3.05	<3.05				<3.05								<3.05		<3.16				
Dimethyl phthalate	October-17	ug/L					<0.242																		
Dimethyl phthalate	December-17	ug/L				<0.245					<0.240								<0.240		<0.240				
Dimethyl phthalate	July-18	ug/L			<2.21							<2.28													
Dimethyl phthalate	November-18	ug/L			<2.26							<2.28													
Dimethyl phthalate	May-19	ug/L																		<2.21					
Dimethyl phthalate	October-21	ug/L						<2.63	<2.63	<2.55						<2.60	<2.63								
Dimethyl phthalate	December-21	ug/L																<2.63							
Dimethyl phthalate	October-22	ug/L				<0.847	<0.847				<0.847								<0.847		<0.877				
Dinoseb	March-09	ug/l					<10	<10	<10																
Dinoseb	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Dinoseb	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Dinoseb	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Dinoseb	March-10	ug/l				<10				<10			<10												
Dinoseb	June-10	ug/l									<10														
Dinoseb	August-10	ug/l									<10	<10													
Dinoseb	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Dinoseb	December-10	ug/l									<10														
Dinoseb	March-11	ug/l										<10		<10											
Dinoseb	June-11	ug/l										<10		<10		<10	<10								
Dinoseb	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Dinoseb	December-11	ug/l												<10		<10	<10								
Dinoseb	March-12	ug/l														<10	<10								
Dinoseb	December-14	ug/l															<10.2								
Dinoseb	October-16	ug/l													<0.448										
Dinoseb	November-16	ug/l						<0.43	<0.43	<0.467						<0.483	<0.478								
Dinoseb	October-17	ug/L					<0.453																		
Dinoseb	December-17	ug/L				<0.457					<0.448								<0.448		<0.448				
Dinoseb	July-18	ug/L			<0.434							<0.448													
Dinoseb	November-18	ug/L			<0.443							<0.448													
Dinoseb	May-19	ug/L																		<0.434					
Dinoseb	October-21	ug/L						<0.526	<0.526	<0.510						<0.521	<0.526								
Dinoseb	December-21	ug/L																<0.526							
Dinoseb	October-22	ug/L				<2.03	<2.03				<2.03								<2.03		<2.11				
Diphenylamine	March-09	ug/l					<10	<10	<10																
Diphenylamine	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Diphenylamine	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Diphenylamine	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Diphenylamine	March-10	ug/l				<10				<10			<10												
Diphenylamine	June-10	ug/l									<10														
Diphenylamine	August-10	ug/l									<10	<10													
Diphenylamine	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Diphenylamine	December-10	ug/l									<10														
Diphenylamine	March-11	ug/l										<10		<10											
Diphenylamine	June-11	ug/l										<10		<10		<10	<10								
Diphenylamine	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Diphenylamine	December-11	ug/l												<10		<10	<10								

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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Diphenylamine	March-12	ug/l														<10	<10								
Diphenylamine	December-14	ug/l															<10.2								
Diphenylamine	October-16	ug/l													<0.688										
Diphenylamine	November-16	ug/l						<0.66	<0.66	<0.717						<0.742	<0.733								
Diphenylamine	October-17	ug/L					<0.695																		
Diphenylamine	December-17	ug/L				<0.702					<0.688								<0.688		<0.688				
Diphenylamine	July-18	ug/L			<0.667							<0.688													
Diphenylamine	November-18	ug/L			<0.680							<0.688													
Diphenylamine	May-19	ug/L																		<0.667					
Diphenylamine	October-21	ug/L						<0.926	<0.926	<0.898						<0.917	<0.926								
Diphenylamine	December-21	ug/L																<0.926							
Diphenylamine	October-22	ug/L				<5.08	<5.08				<5.08								<5.08		<5.26				
Disulfoton	March-09	ug/l					<70	<70	<70																
Disulfoton	June-09	ug/l				<70	<70	<70	<70	<70			<70												
Disulfoton	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Disulfoton	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Disulfoton	March-10	ug/l				<10				<10			<10												
Disulfoton	June-10	ug/l									<10														
Disulfoton	August-10	ug/l									<10	<10													
Disulfoton	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Disulfoton	December-10	ug/l									<10														
Disulfoton	March-11	ug/l										<10		<10											
Disulfoton	June-11	ug/l										<10		<10		<10	<10								
Disulfoton	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Disulfoton	December-11	ug/l												<10		<10	<10								
Disulfoton	March-12	ug/l														<10	<10								
Disulfoton	December-14	ug/l															<10.2								
Disulfoton	October-16	ug/l													<0.302										
Disulfoton	November-16	ug/l						<0.29	<0.29	<0.315						<0.326	<0.322								
Disulfoton	October-17	ug/L					<0.305																		
Disulfoton	December-17	ug/L				<0.309					<0.302								<0.302		<0.302				
Disulfoton	July-18	ug/L			<0.293							<0.302													
Disulfoton	November-18	ug/L			<0.299							<0.302													
Disulfoton	May-19	ug/L																		<0.293					
Disulfoton	October-21	ug/L						<0.674	<0.674	<0.653						<0.667	<0.674								
Disulfoton	December-21	ug/L																<0.674							
Disulfoton	October-22	ug/L				<2.03	<2.03				<2.03								<2.03		<2.11				
Endosulfan I	March-09	ug/l					<0.032	<0.032	<0.032																
Endosulfan I	June-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Endosulfan I	September-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Endosulfan I	December-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Endosulfan I	March-10	ug/l				<0.032				<0.032			<0.032												
Endosulfan I	June-10	ug/l									<0.032														
Endosulfan I	August-10	ug/l									<0.032	<0.032													
Endosulfan I	September-10	ug/l				<0.032	<0.032	<0.032	**0.102**	<0.032	<0.032	<0.032	<0.032												
Endosulfan I	December-10	ug/l									<0.032														
Endosulfan I	March-11	ug/l					<0.032	<0.032	**0.0588**	<0.032	<0.032	<0.032	<0.032	<0.032											
Endosulfan I	June-11	ug/l										<0.032		<0.032		<0.0392	<0.032								
Endosulfan I	September-11	ug/l				<0.032	<0.032	<0.032	**0.0718**	<0.032	<0.032		<0.032	<0.032		<0.032	<0.032								
Endosulfan I	December-11	ug/l												<0.032		<0.032	<0.032								
Endosulfan I	March-12	ug/l							<0.032							<0.032	<0.032								
Endosulfan I	October-12	ug/l							<0.032																
Endosulfan I	March-13	ug/l							**0.066**						<0.033										
Endosulfan I	September-13	ug/l							**0.114**						**0.0053J**										
Endosulfan I	March-14	ug/l							<0.0327						<0.0344										
Endosulfan I	September-14	ug/l							**0.129**						<0.032										
Endosulfan I	December-14	ug/l															<0.0352								
Endosulfan I	April-15	ug/l							**0.064**						<0.033										
Endosulfan I	October-15	ug/l							**0.0494**						<0.00225										
Endosulfan I	April-16	ug/l							<0.00227						<0.00217										
Endosulfan I	October-16	ug/l													<0.00208										
Endosulfan I	November-16	ug/l						<0.00206	**0.0613**	<0.00215						<0.00206	<0.00206								
Endosulfan I	March-17	ug/l							**0.059**						**0.00226J**										
Endosulfan I	October-17	ug/L					<0.00208		<0.00211						<0.00208										
Endosulfan I	December-17	ug/L				<0.00208					<0.00208								<0.00208		<0.00208				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Endosulfan I	April-18	ug/L							**0.0265J**																
Endosulfan I	July-18	ug/L			<0.00202							<0.00208													
Endosulfan I	October-18	ug/L							**0.0545**																
Endosulfan I	November-18	ug/L			<0.00206							**0.00429J**													
Endosulfan I	March-19	ug/L							<0.00202																
Endosulfan I	May-19	ug/L																		<0.00204					
Endosulfan I	October-19	ug/L							<0.00205																
Endosulfan I	March-20	ug/L							**0.0332**																
Endosulfan I	September-20	ug/L							**0.0781**																
Endosulfan I	March-21	ug/L							<0.00211																
Endosulfan I	October-21	ug/L						<0.0116	<0.0116	<0.0116						<0.0116	<0.0116								
Endosulfan I	December-21	ug/L																<0.0116							
Endosulfan I	October-22	ug/L				<0.0280	<0.0289				<0.0280								<0.0300		<0.0280				
Endosulfan I	April-23	ug/L								<0.0330								<0.0330							
Endosulfan II	March-09	ug/l					<0.032	<0.032	<0.032																
Endosulfan II	June-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Endosulfan II	September-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Endosulfan II	December-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Endosulfan II	March-10	ug/l				<0.032				<0.032			<0.032												
Endosulfan II	June-10	ug/l									<0.032														
Endosulfan II	August-10	ug/l									<0.032	<0.032													
Endosulfan II	September-10	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032												
Endosulfan II	December-10	ug/l									<0.032														
Endosulfan II	March-11	ug/l					<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032											
Endosulfan II	June-11	ug/l										<0.032		<0.032		<0.0392	<0.032								
Endosulfan II	September-11	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032		<0.032	<0.032		<0.032	<0.032								
Endosulfan II	December-11	ug/l												<0.032		<0.032	<0.032								
Endosulfan II	March-12	ug/l														<0.032	<0.032								
Endosulfan II	December-14	ug/l															**0.00418J**								
Endosulfan II	October-16	ug/l													<0.00198										
Endosulfan II	November-16	ug/l						<0.00196	<0.0019	<0.00204						<0.00196	<0.00196								
Endosulfan II	October-17	ug/L					<0.00198																		
Endosulfan II	December-17	ug/L				**0.0105J**					<0.00198								**0.0027J**		<0.00198				
Endosulfan II	July-18	ug/L			<0.00192							<0.00198													
Endosulfan II	November-18	ug/L			<0.00196							<0.00196													
Endosulfan II	May-19	ug/L																		<0.00194					
Endosulfan II	October-21	ug/L						<0.00853	<0.00853	<0.00853						<0.00853	<0.00853								
Endosulfan II	December-21	ug/L																<0.00853							
Endosulfan II	October-22	ug/L				<0.0246	<0.0254				<0.0246								<0.0264		<0.0246				
Endosulfan II	April-23	ug/L								<0.0290								<0.0290							
Endosulfan Sulfate	March-09	ug/l					<0.032	<0.032	<0.032																
Endosulfan Sulfate	June-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Endosulfan Sulfate	September-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Endosulfan Sulfate	December-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Endosulfan Sulfate	March-10	ug/l				<0.032				<0.032			<0.032												
Endosulfan Sulfate	June-10	ug/l									<0.032														
Endosulfan Sulfate	August-10	ug/l									<0.032	<0.032													
Endosulfan Sulfate	September-10	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032												
Endosulfan Sulfate	December-10	ug/l									<0.032														
Endosulfan Sulfate	March-11	ug/l					<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032											
Endosulfan Sulfate	June-11	ug/l										<0.032		<0.032		<0.0392	<0.032								
Endosulfan Sulfate	September-11	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032		<0.032	<0.032		<0.032	<0.032								
Endosulfan Sulfate	December-11	ug/l												<0.032		<0.032	<0.032								
Endosulfan Sulfate	March-12	ug/l														<0.032	<0.032								
Endosulfan Sulfate	December-14	ug/l															<0.0352								
Endosulfan Sulfate	October-16	ug/l													<0.0026										
Endosulfan Sulfate	November-16	ug/l						<0.00258	**0.00825J**	<0.00269						<0.00258	<0.00258								
Endosulfan sulfate	October-17	ug/L					<0.00260																		
Endosulfan sulfate	December-17	ug/L				<0.00260					<0.00260								**0.00829J**		<0.00260				
Endosulfan sulfate	July-18	ug/L			<0.00253							<0.00260													
Endosulfan sulfate	November-18	ug/L			<0.00258							**0.00941J**													
Endosulfan sulfate	May-19	ug/L																		<0.00255					
Endosulfan sulfate	October-21	ug/L						<0.00884	<0.00884	<0.00884						<0.00884	<0.00884								
Endosulfan sulfate	December-21	ug/L																<0.00884							
Endosulfan sulfate	October-22	ug/L				<0.0254	<0.0263				<0.0254								<0.0273		<0.0254				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Endosulfan sulfate	April-23	ug/L								<0.0300								<0.0300							
Endrin	March-09	ug/l					<0.032	<0.032	<0.032																
Endrin	June-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Endrin	September-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Endrin	December-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Endrin	March-10	ug/l				<0.032				<0.032			<0.032												
Endrin	June-10	ug/l									<0.032														
Endrin	August-10	ug/l									<0.032	<0.032													
Endrin	September-10	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032												
Endrin	December-10	ug/l									<0.032														
Endrin	March-11	ug/l					<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032											
Endrin	June-11	ug/l										<0.032		<0.032		<0.0392	<0.032								
Endrin	September-11	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032		<0.032	<0.032		<0.032	<0.032								
Endrin	December-11	ug/l												<0.032		<0.032	<0.032								
Endrin	March-12	ug/l														<0.032	<0.032								
Endrin	December-14	ug/l															<0.0352								
Endrin	October-16	ug/l													<0.00198										
Endrin	November-16	ug/l						<0.00196	<0.0019	<0.00204						<0.00196	<0.00196								
Endrin	October-17	ug/L					**0.00778J**																		
Endrin	December-17	ug/L				<0.00198					**0.0239J**								<0.00198		<0.00198				
Endrin	July-18	ug/L			<0.00192							**0.0212J**													
Endrin	November-18	ug/L			<0.00196							**0.0102J**													
Endrin	May-19	ug/L																		<0.00194					
Endrin	October-21	ug/L						<0.0105	<0.0105	<0.0105						<0.0105	<0.0105								
Endrin	December-21	ug/L																<0.0105							
Endrin	October-22	ug/L				<0.0220	<0.0228				<0.0220								<0.0236		<0.0220				
Endrin	April-23	ug/L								<0.0260								<0.0260							
Endrin Aldehyde	March-09	ug/l					<0.032	<0.032	<0.032																
Endrin Aldehyde	June-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Endrin Aldehyde	September-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Endrin Aldehyde	December-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Endrin Aldehyde	March-10	ug/l				<0.032				<0.032			<0.032												
Endrin Aldehyde	June-10	ug/l									<0.032														
Endrin Aldehyde	August-10	ug/l									<0.032	<0.032													
Endrin Aldehyde	September-10	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032												
Endrin Aldehyde	December-10	ug/l									**0.0644**														
Endrin Aldehyde	March-11	ug/l					<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032											
Endrin Aldehyde	June-11	ug/l										<0.032		<0.032		<0.0392	<0.032								
Endrin Aldehyde	September-11	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032		<0.032	<0.032		<0.032	<0.032								
Endrin Aldehyde	December-11	ug/l												<0.032		<0.032	<0.032								
Endrin Aldehyde	March-12	ug/l														<0.032	<0.032								
Endrin Aldehyde	December-14	ug/l															<0.0352								
Endrin Aldehyde	October-16	ug/l													<0.0076										
Endrin Aldehyde	November-16	ug/l						<0.00753	<0.0073	<0.00785						<0.00753	<0.00753								
Endrin aldehyde	October-17	ug/L					<0.00760																		
Endrin aldehyde	December-17	ug/L				**0.0324J**					**0.0116J**								**0.0235J**		**0.024J**				
Endrin aldehyde	July-18	ug/L			<0.00737							<0.00760													
Endrin aldehyde	November-18	ug/L			<0.00753							<0.00753													
Endrin aldehyde	May-19	ug/L																		<0.00745					
Endrin aldehyde	October-21	ug/L						<0.0101	<0.0101	<0.0101						<0.0101	<0.0101								
Endrin aldehyde	December-21	ug/L																<0.0101							
Endrin aldehyde	October-22	ug/L				<0.0246	<0.0254				<0.0246								<0.0264		<0.0246				
Endrin aldehyde	April-23	ug/L								<0.0290								<0.0290							
Ethyl Methacrylate	March-09	ug/l					<2	<2	<2																
Ethyl Methacrylate	June-09	ug/l				<10	<2	<2	<2	<2			<2												
Ethyl Methacrylate	September-09	ug/l				<2	<2	<2	<2	<2			<2												
Ethyl Methacrylate	December-09	ug/l				<10	<10	<10	<2	<2			<2												
Ethyl Methacrylate	March-10	ug/l				<2	<2	<2	<2	<2			<2												
Ethyl Methacrylate	June-10	ug/l									<4														
Ethyl Methacrylate	August-10	ug/l									<20	<20													
Ethyl Methacrylate	September-10	ug/l				<20	<20	<20	<20	<20	<20	<20	<20												
Ethyl Methacrylate	December-10	ug/l									<5														
Ethyl Methacrylate	March-11	ug/l				<4	<2	<2	<40	<2	<2	<2	<2	<2											
Ethyl Methacrylate	April-11	ug/l				<2		<2	<20	<2							<2								
Ethyl Methacrylate	June-11	ug/l										<2		<2		<2	<2								

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Ethyl Methacrylate	September-11	ug/l				<2	<2	<2	<20	<2	<2		<2	<2		<2	<2								
Ethyl Methacrylate	December-11	ug/l												<2		<2	<2								
Ethyl Methacrylate	March-12	ug/l											<2			<2	<2								
Ethyl Methacrylate	December-14	ug/l															<2								
Ethyl Methacrylate	October-16	ug/l													<0.15										
Ethyl Methacrylate	November-16	ug/l						<0.15	<0.15	<0.15						<0.15	<0.15								
Ethyl Methanesulfonate	March-09	ug/l					<10	<10	<10																
Ethyl Methanesulfonate	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Ethyl Methanesulfonate	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Ethyl Methanesulfonate	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Ethyl Methanesulfonate	March-10	ug/l				<10				<10			<10												
Ethyl Methanesulfonate	June-10	ug/l									<10														
Ethyl Methanesulfonate	August-10	ug/l									<10	<10													
Ethyl Methanesulfonate	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Ethyl Methanesulfonate	December-10	ug/l									<10														
Ethyl Methanesulfonate	March-11	ug/l										<10		<10											
Ethyl Methanesulfonate	June-11	ug/l										<10		<10		<10	<10								
Ethyl Methanesulfonate	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Ethyl Methanesulfonate	December-11	ug/l												<10		<10	<10								
Ethyl Methanesulfonate	March-12	ug/l														<10	<10								
Ethyl Methanesulfonate	December-14	ug/l															<10.2								
Ethyl Methanesulfonate	October-16	ug/l													<0.156										
Ethyl Methanesulfonate	November-16	ug/l						<0.15	<0.15	<0.163						<0.169	<0.167								
Ethyl Parathion	October-16	ug/L													<0.188										
Ethyl Parathion	November-16	ug/L						<0.18	<0.18	<0.196						<0.202	<0.2								
Ethyl Parathion	October-17	ug/L					<0.189																		
Ethyl Parathion	December-17	ug/L				<0.191					<0.188								<0.188		<0.188				
Ethyl Parathion	July-18	ug/L			<0.182							<0.188													
Ethyl Parathion	November-18	ug/L			<0.186							<0.188													
Ethyl Parathion	May-19	ug/L																		<0.182					
Ethyl Parathion	October-21	ug/L						<1.68	<1.68	<1.63						<1.67	<1.68								
Ethyl Parathion	December-21	ug/L																<1.68							
Ethyl Parathion	October-22	ug/L				<1.86	<1.86				<1.86								<1.86		<1.93				
Ethyl methacrylate	October-17	ug/L					<0.150																		
Ethyl methacrylate	December-17	ug/L				<0.150					<0.150								<0.150		<0.150				
Ethyl methacrylate	July-18	ug/L			<0.680							<0.680													
Ethyl methacrylate	November-18	ug/L			<0.680							<0.680													
Ethyl methacrylate	May-19	ug/L																		<0.680					
Ethyl methacrylate	October-21	ug/L						<0.680	<0.680	<0.680						<0.680	<0.680								
Ethyl methacrylate	December-21	ug/L																<0.680							
Ethyl methacrylate	October-22	ug/L				<0.680	<0.680				<0.680								<0.680		<0.680				
Ethyl methanesulfonate	October-17	ug/L					<0.158																		
Ethyl methanesulfonate	December-17	ug/L				<0.160					<0.156								<0.156		<0.156				
Ethyl methanesulfonate	July-18	ug/L			<0.152							<0.156													
Ethyl methanesulfonate	November-18	ug/L			<0.155							<0.156													
Ethyl methanesulfonate	May-19	ug/L																		<0.152					
Ethyl methanesulfonate	October-21	ug/L						<0.526	<0.526	<0.510						<0.521	<0.526								
Ethyl methanesulfonate	December-21	ug/L																<0.526							
Ethyl methanesulfonate	October-22	ug/L				<3.05	<3.05				<3.05								<3.05		<3.16				
Ethylbenzene	January-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Ethylbenzene	March-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Ethylbenzene	August-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Ethylbenzene	September-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Ethylbenzene	October-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Ethylbenzene	March-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Ethylbenzene	June-09	ug/l				<5	<1	<1	<1	<1			<1												
Ethylbenzene	September-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Ethylbenzene	December-09	ug/l				<1	<1	<1	<1	<1			<1												
Ethylbenzene	March-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Ethylbenzene	June-10	ug/l									<1					<1	<1	<1	<1	<1					
Ethylbenzene	August-10	ug/l									<1	<1				<1	<1	<1	<1	<1					
Ethylbenzene	September-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Ethylbenzene	December-10	ug/l									<1					<1	<1	<1	<1	<1					
Ethylbenzene	March-11	ug/l		<1		<1	<1	<1	<10	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Ethylbenzene	April-11	ug/l				<1		<1	<10	<1							<1								

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Ethylbenzene	June-11	ug/l		<1								<1		<1		<1	<1								
Ethylbenzene	July-11	ug/l	<1																						
Ethylbenzene	August-11	ug/l		<1																					
Ethylbenzene	September-11	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1		<1	<1	<1	<1	<1					
Ethylbenzene	December-11	ug/l	<1	<1										<1		<1	<1								
Ethylbenzene	March-12	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Ethylbenzene	June-12	ug/l													<1										
Ethylbenzene	October-12	ug/l	<1	<1		<1	<1	<1	<1	<1			<1	<1		<1	<1		<1						
Ethylbenzene	March-13	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1	<1	<1	<1	<1	<1						
Ethylbenzene	June-13	ug/l																			<1				
Ethylbenzene	September-13	ug/l	<1	<1		<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1				
Ethylbenzene	November-13	ug/l																			<1				
Ethylbenzene	March-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1				
Ethylbenzene	June-14	ug/l																		<1	<1				
Ethylbenzene	September-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
Ethylbenzene	December-14	ug/l															<1								
Ethylbenzene	April-15	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1				
Ethylbenzene	October-15	ug/l	<0.21	<0.21		<0.21	<0.21	<0.21	<0.21	<0.21	<0.21				<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21				
Ethylbenzene	April-16	ug/l	<0.21	<0.21		<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21			<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21				
Ethylbenzene	October-16	ug/l													<0.21										
Ethylbenzene	November-16	ug/l	<0.21	<0.21		<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21				<0.21	<0.21	<0.21	<0.21	<0.21	<0.21				
Ethylbenzene	March-17	ug/l	<0.21	<0.21		<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	**0.264J**			<0.21	<0.21	<0.21	**0.312J**	<0.21	<0.21	<0.21				
Ethylbenzene	October-17	ug/L	<0.210	<0.210		<0.210	<0.210	<0.210	<0.210	<0.210	<0.210				<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210				
Ethylbenzene	December-17	ug/L				<0.210					<0.210								<0.210		<0.210				
Ethylbenzene	April-18	ug/L	<0.210	<0.210		<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210			<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210				
Ethylbenzene	July-18	ug/L			<0.310							<0.310													
Ethylbenzene	October-18	ug/L	<0.310	<0.310		<0.310	<0.310		<0.310						<0.310		<0.310								
Ethylbenzene	November-18	ug/L			<0.310			<0.310		<0.310	<0.310	<0.310				<0.310		<0.310	<0.310	<0.310	<0.310				
Ethylbenzene	January-19	ug/L			<0.310																				
Ethylbenzene	March-19	ug/L	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310			<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310				
Ethylbenzene	May-19	ug/L			<0.310															<0.310					
Ethylbenzene	October-19	ug/L	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310			<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310				
Ethylbenzene	March-20	ug/L	<0.310	<0.310		<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310			<0.310	<0.310	<0.310	<0.310	<0.310		<0.310				
Ethylbenzene	April-20	ug/L			<0.310															<0.310					
Ethylbenzene	September-20	ug/L	<0.310	<0.310	<0.310		<0.310	<0.310	<0.310	<0.310	<0.310	<0.310			<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310				
Ethylbenzene	October-20	ug/L				<0.310																			
Ethylbenzene	March-21	ug/L		<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310					<0.310	<0.310	<0.310				<0.310				
Ethylbenzene	April-21	ug/L	<0.310								<0.310	<0.310						<0.310	<0.310	<0.310					
Ethylbenzene	May-21	ug/L																<0.310							
Ethylbenzene	August-21	ug/L																							
Ethylbenzene	October-21	ug/L	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310			<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310				
Ethylbenzene	December-21	ug/L																<0.310							
Ethylbenzene	February-22	ug/L	<0.310																						<0.310
Ethylbenzene	April-22	ug/L	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310			<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310				<0.310
Ethylbenzene	July-22	ug/L																							<0.310
Ethylbenzene	October-22	ug/L	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310				<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310				<0.310
Ethylbenzene	April-23	ug/L	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310			<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310				<0.310
Ethylbenzene	May-23	ug/L																							
Ethylbenzene	October-23	ug/L	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310				<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310				<0.310
Famphur	March-09	ug/l					<20	<20	<20																
Famphur	June-09	ug/l				<20	<20	<20	<20	<20			<20												
Famphur	September-09	ug/l				<20	<20	<20	<20	<20			<20												
Famphur	December-09	ug/l				<20	<20	<20	<20	<20			<20												
Famphur	March-10	ug/l				<20				<20			<20												
Famphur	June-10	ug/l									<20														
Famphur	August-10	ug/l									<20	<20													
Famphur	September-10	ug/l				<20	<20	<20	<20	<20	<20	<20	<20												
Famphur	December-10	ug/l									<20														
Famphur	March-11	ug/l										<20		<20											
Famphur	June-11	ug/l										<20		<20		<20	<20								
Famphur	September-11	ug/l				<20	<20	<20	<20	<20	<20		<20	<20		<20	<20								
Famphur	December-11	ug/l												<20		<20	<20								
Famphur	March-12	ug/l														<20	<20								
Famphur	December-14	ug/l															<20.4								
Famphur	October-16	ug/l													<0.49										

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Famphur	November-16	ug/l						<0.47	<0.47	<0.511						<0.528	<0.522								
Famphur	October-17	ug/L					<0.495																		
Famphur	December-17	ug/L				<0.500					<0.490								<0.490		<0.490				
Famphur	July-18	ug/L			<0.475							<0.490													
Famphur	November-18	ug/L			<0.485							<0.490													
Famphur	May-19	ug/L																		<0.475					
Famphur	October-21	ug/L						<0.674	<0.674	<0.653						<0.667	<0.674								
Famphur	December-21	ug/L																<0.674							
Famphur	October-22	ug/L				<3.22	<3.22				<3.22								<3.22		<3.33				
Fluoranthene	March-09	ug/l					<10	<10	<10																
Fluoranthene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Fluoranthene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Fluoranthene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Fluoranthene	March-10	ug/l				<10				<10			<10												
Fluoranthene	June-10	ug/l									<10														
Fluoranthene	August-10	ug/l									<10	<10													
Fluoranthene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Fluoranthene	December-10	ug/l									<10														
Fluoranthene	March-11	ug/l										<10		<10											
Fluoranthene	June-11	ug/l										<10		<10		<10	<10								
Fluoranthene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Fluoranthene	December-11	ug/l												<10		<10	<10								
Fluoranthene	March-12	ug/l														<10	<10								
Fluoranthene	December-14	ug/l															<10.2								
Fluoranthene	October-16	ug/l													<0.344										
Fluoranthene	November-16	ug/l						<0.33	<0.33	<0.359						<0.371	<0.367								
Fluoranthene	October-17	ug/L					<0.347																		
Fluoranthene	December-17	ug/L				<0.351					<0.344								<0.344		**0.653J**				
Fluoranthene	July-18	ug/L			<0.687							<0.708													
Fluoranthene	November-18	ug/L			<0.701							<0.708													
Fluoranthene	May-19	ug/L																		<0.687					
Fluoranthene	October-21	ug/L						<0.989	<0.989	<0.959						<0.979	<0.989								
Fluoranthene	December-21	ug/L																<0.989							
Fluoranthene	October-22	ug/L				<1.44	<1.44				<1.44								<1.44		<1.49				
Fluorene	March-09	ug/l					<10	<10	<10																
Fluorene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Fluorene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Fluorene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Fluorene	March-10	ug/l				<10				<10			<10												
Fluorene	June-10	ug/l									<10														
Fluorene	August-10	ug/l									<10	<10													
Fluorene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Fluorene	December-10	ug/l									<10														
Fluorene	March-11	ug/l										<10		<10											
Fluorene	June-11	ug/l										<10		<10		<10	<10								
Fluorene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Fluorene	December-11	ug/l												<10		<10	<10								
Fluorene	March-12	ug/l														<10	<10								
Fluorene	December-14	ug/l															<10.2								
Fluorene	October-16	ug/l													<0.302										
Fluorene	November-16	ug/l						<0.29	<0.29	<0.315						<0.326	<0.322								
Fluorene	October-17	ug/L					<0.305																		
Fluorene	December-17	ug/L				<0.309					<0.302								<0.302		<0.302				
Fluorene	July-18	ug/L			<0.293							<0.302													
Fluorene	November-18	ug/L			<0.299							<0.302													
Fluorene	May-19	ug/L																		<0.293					
Fluorene	October-21	ug/L						<1.37	<1.37	<1.33						<1.35	<1.37								
Fluorene	December-21	ug/L																<1.37							
Fluorene	October-22	ug/L				<0.669	<0.669				<0.669								<0.669		<0.693				
Fluoride	February-22	mg/L	<0.220																						<0.220
Fluorotrichloromethane	January-08	ug/l				<4	<4	<4	<4	<4	<4	<4	<4	<4											
Fluorotrichloromethane	March-08	ug/l				<4	<4	<4	<4	<4	<4	<4	<4	<4											
Fluorotrichloromethane	August-08	ug/l				<4	<4	<4	<4	<4	<4	<4	<4	<4											
Fluorotrichloromethane	September-08	ug/l				<4	<4	<4	<4	<4	<4	<4	<4	<4											
Fluorotrichloromethane	October-08	ug/l				<4	<4	<4	<4	<4	<4	<4	<4	<4											

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Fluorotrichloromethane	March-09	ug/l				<4	<4	<4	<4	<4	<4	<4	<4	<4											
Fluorotrichloromethane	June-09	ug/l				<20	<4	<4	<4	<4			<4												
Fluorotrichloromethane	September-09	ug/l				<4	<4	<4	<4	<4	<4	<4	<4	<4											
Fluorotrichloromethane	December-09	ug/l				<4	<4	<4	<4	<4			<4												
Fluorotrichloromethane	March-10	ug/l				<4	<4	<4	<4	<4	<4	<4	<4	<4											
Fluorotrichloromethane	June-10	ug/l									<4					<4	<4	<4	<4	<4					
Fluorotrichloromethane	August-10	ug/l									<4	<4				<4	<4	<4	<4	<4					
Fluorotrichloromethane	September-10	ug/l				<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	<4	<4	<4	<4					
Fluorotrichloromethane	December-10	ug/l									<4					<4	<4	<4	<4	<4					
Fluorotrichloromethane	March-11	ug/l		<4		<4	<4	<4	<40	<4	<4	<4	<4	<4		<4	<4	<4	<4	<4					
Fluorotrichloromethane	April-11	ug/l				<4		<4	<40	<4							<4								
Fluorotrichloromethane	June-11	ug/l		<4								<4		<4		<4	<4								
Fluorotrichloromethane	July-11	ug/l	<4																						
Fluorotrichloromethane	August-11	ug/l		<4																					
Fluorotrichloromethane	September-11	ug/l	<4	<4		<4	<4	<4	<40	<4	<4		<4	<4		<4	<4	<4	<4	<4					
Fluorotrichloromethane	December-11	ug/l	<4	<4										<4		<4	<4								
Fluorotrichloromethane	March-12	ug/l	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	<4	<4	<4	<4					
Fluorotrichloromethane	June-12	ug/l													<4										
Fluorotrichloromethane	October-12	ug/l	<4	<4		<4	<4	<4	<4	<4			<4	<4		<4	<4		<4						
Fluorotrichloromethane	March-13	ug/l	<4	<4		<4	<4	<4	<40	<4	<4		<4	<4	<4	<4	<4	<4	<4						
Fluorotrichloromethane	June-13	ug/l																			<4				
Fluorotrichloromethane	September-13	ug/l	<4	<4		<4	<4	<4	<4	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4				
Fluorotrichloromethane	November-13	ug/l																			<4				
Fluorotrichloromethane	March-14	ug/l	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4				
Fluorotrichloromethane	June-14	ug/l																		<4	<4				
Fluorotrichloromethane	September-14	ug/l	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4				
Fluorotrichloromethane	December-14	ug/l															<4								
Fluorotrichloromethane	April-15	ug/l	<4	<4		<4	<4	<4	<4	<4	<4	<4			<4	<4	<4	<4	<4	<4	<4				
Heptachlor	March-09	ug/l					<0.032	<0.032	<0.032																
Heptachlor	June-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Heptachlor	September-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Heptachlor	December-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Heptachlor	March-10	ug/l				<0.032				<0.032			<0.032												
Heptachlor	June-10	ug/l									<0.032														
Heptachlor	August-10	ug/l									<0.032	<0.032													
Heptachlor	September-10	ug/l				<0.032	**0.243**	**0.041**	**0.39**	<0.032	<0.032	<0.032	**0.0503**												
Heptachlor	December-10	ug/l									<0.032														
Heptachlor	March-11	ug/l					<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032											
Heptachlor	June-11	ug/l										<0.032		<0.032		<0.0392	<0.032								
Heptachlor	September-11	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032		<0.032	<0.032		<0.032	<0.032								
Heptachlor	December-11	ug/l												<0.032		<0.032	<0.032								
Heptachlor	March-12	ug/l					<0.032	<0.032	<0.032				<0.032			<0.032	<0.032								
Heptachlor	October-12	ug/l					<0.032	<0.0404	<0.032				<0.032												
Heptachlor	March-13	ug/l					<0.0395	**0.00502J**	**0.0133J**				**0.0254J**		<0.033										
Heptachlor	September-13	ug/l						**0.00457J**	<0.0327				**0.00594J**		**0.00377J**										
Heptachlor	March-14	ug/l						**0.0119J**	**0.0168J**				**0.00868J**		**0.00314J**										
Heptachlor	September-14	ug/l						**0.00699J**	**0.0154J**				**0.0135J**		<0.032										
Heptachlor	December-14	ug/l															**0.00408J**								
Heptachlor	April-15	ug/l						**0.00543J**	**0.00908J**						<0.033										
Heptachlor	October-15	ug/l						<0.00295	<0.00292						<0.00292										
Heptachlor	October-16	ug/l													<0.00271										
Heptachlor	November-16	ug/l						<0.00268	<0.0026	<0.0028						<0.00268	<0.00268								
Heptachlor	March-17	ug/l						<0.00843	**0.103**						<0.0026										
Heptachlor	October-17	ug/L					<0.00271	<0.00271	<0.00274						<0.00271										
Heptachlor	December-17	ug/L				<0.00271					<0.00271								<0.00271		<0.00271				
Heptachlor	April-18	ug/L						<0.00280	<0.00277																
Heptachlor	July-18	ug/L			**0.00268J**							**0.00333J**													
Heptachlor	October-18	ug/L							**0.00997J**																
Heptachlor	November-18	ug/L			<0.00268			<0.00268				<0.00268													
Heptachlor	March-19	ug/L						<0.00265	<0.00263																
Heptachlor	May-19	ug/L																		<0.00265					
Heptachlor	October-19	ug/L						<0.00267	**0.0497**																
Heptachlor	March-20	ug/L							<0.00268																
Heptachlor	September-20	ug/L							<0.00306																
Heptachlor	October-21	ug/L						<0.0126	<0.0126	<0.0126						<0.0126	<0.0126								

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Heptachlor	December-21	ug/L																**0.0463**							
Heptachlor	February-22	ug/L																<0.0330							
Heptachlor	April-22	ug/L																<0.0330							
Heptachlor	July-22	ug/L																<0.0330							
Heptachlor	October-22	ug/L				<0.0280	<0.0289				<0.0280								<0.0300		<0.0280				
Heptachlor	April-23	ug/L								<0.0330								<0.0330							
Heptachlor	October-23	ug/L																<0.0330							
Heptachlor Epoxide	March-09	ug/l					<0.032	<0.032	<0.032																
Heptachlor Epoxide	June-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Heptachlor Epoxide	September-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Heptachlor Epoxide	December-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Heptachlor Epoxide	March-10	ug/l				<0.032				<0.032			<0.032												
Heptachlor Epoxide	June-10	ug/l									<0.032														
Heptachlor Epoxide	August-10	ug/l									<0.032	<0.032													
Heptachlor Epoxide	September-10	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032												
Heptachlor Epoxide	December-10	ug/l									<0.032														
Heptachlor Epoxide	March-11	ug/l					<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032											
Heptachlor Epoxide	June-11	ug/l										<0.032		<0.032		<0.0392	<0.032								
Heptachlor Epoxide	September-11	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032		<0.032	<0.032		<0.032	<0.032								
Heptachlor Epoxide	December-11	ug/l												<0.032		<0.032	<0.032								
Heptachlor Epoxide	March-12	ug/l														<0.032	<0.032								
Heptachlor Epoxide	December-14	ug/l															<0.0352								
Heptachlor Epoxide	October-16	ug/l													<0.00635										
Heptachlor Epoxide	November-16	ug/l						<0.00629	<0.0061	<0.00656						<0.00629	<0.00629								
Heptachlor epoxide	October-17	ug/L					<0.00635																		
Heptachlor epoxide	December-17	ug/L				<0.00635					<0.00635								<0.00635		<0.00635				
Heptachlor epoxide	July-18	ug/L			<0.00616							**0.00637J**													
Heptachlor epoxide	November-18	ug/L			<0.00629							<0.00629													
Heptachlor epoxide	May-19	ug/L																		<0.00622					
Heptachlor epoxide	October-21	ug/L						<0.00958	<0.00958	<0.00958						<0.00958	<0.00958								
Heptachlor epoxide	December-21	ug/L																<0.00958							
Heptachlor epoxide	October-22	ug/L				<0.0246	<0.0254				<0.0246								<0.0264		<0.0246				
Heptachlor epoxide	April-23	ug/L								<0.0290								<0.0290							
Hexachlorobenzene	March-09	ug/l					<10	<10	<10																
Hexachlorobenzene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Hexachlorobenzene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Hexachlorobenzene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Hexachlorobenzene	March-10	ug/l				<10				<10			<10												
Hexachlorobenzene	June-10	ug/l									<10														
Hexachlorobenzene	August-10	ug/l									<10	<10													
Hexachlorobenzene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Hexachlorobenzene	December-10	ug/l									<10														
Hexachlorobenzene	March-11	ug/l										<10		<10											
Hexachlorobenzene	June-11	ug/l										<10		<10		<10	<10								
Hexachlorobenzene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Hexachlorobenzene	December-11	ug/l												<10		<10	<10								
Hexachlorobenzene	March-12	ug/l														<10	<10								
Hexachlorobenzene	December-14	ug/l															<10.2								
Hexachlorobenzene	October-16	ug/l													<0.281										
Hexachlorobenzene	November-16	ug/l						<0.27	<0.27	<0.293						<0.303	<0.3								
Hexachlorobenzene	October-17	ug/L					<0.284																		
Hexachlorobenzene	December-17	ug/L				<0.287					<0.281								<0.281		<0.281				
Hexachlorobenzene	July-18	ug/L			<0.273							<0.281													
Hexachlorobenzene	November-18	ug/L			<0.278							<0.281													
Hexachlorobenzene	May-19	ug/L																		<0.273					
Hexachlorobenzene	October-21	ug/L						<1.47	<1.47	<1.43						<1.46	<1.47								
Hexachlorobenzene	December-21	ug/L																<1.47							
Hexachlorobenzene	October-22	ug/L				<0.593	<0.593				<0.593								<0.593		<0.614				
Hexachlorobutadiene	March-09	ug/l					<10	<10	<10																
Hexachlorobutadiene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Hexachlorobutadiene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Hexachlorobutadiene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Hexachlorobutadiene	March-10	ug/l				<10				<10			<10												
Hexachlorobutadiene	June-10	ug/l									<10														
Hexachlorobutadiene	August-10	ug/l									<10	<10													

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Hexachlorobutadiene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Hexachlorobutadiene	December-10	ug/l									<10														
Hexachlorobutadiene	March-11	ug/l										<10		<10											
Hexachlorobutadiene	June-11	ug/l										<10		<10		<10	<10								
Hexachlorobutadiene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Hexachlorobutadiene	December-11	ug/l												<10		<10	<10								
Hexachlorobutadiene	March-12	ug/l														<10	<10								
Hexachlorobutadiene	December-14	ug/l															<10.2								
Hexachlorobutadiene	October-16	ug/l													<0.135										
Hexachlorobutadiene	November-16	ug/l						<0.13	<0.13	<0.141						<0.146	<0.144								
Hexachlorobutadiene	October-17	ug/L					<0.137																		
Hexachlorobutadiene	December-17	ug/L				<0.138					<0.135								<0.135		<0.135				
Hexachlorobutadiene	July-18	ug/L			<0.172							<0.177													
Hexachlorobutadiene	November-18	ug/L			<0.175							<0.177													
Hexachlorobutadiene	May-19	ug/L																		<0.172					
Hexachlorobutadiene	October-21	ug/L						<1.26	<1.26	<1.22						<1.25	<1.26								
Hexachlorobutadiene	December-21	ug/L																<1.26							
Hexachlorobutadiene	October-22	ug/L				<0.729	<0.729				<0.729								<0.729		<0.754				
Hexachlorocyclopentadiene	March-09	ug/l					<10	<10	<10																
Hexachlorocyclopentadiene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Hexachlorocyclopentadiene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Hexachlorocyclopentadiene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Hexachlorocyclopentadiene	March-10	ug/l				<10				<10			<10												
Hexachlorocyclopentadiene	June-10	ug/l									<10														
Hexachlorocyclopentadiene	August-10	ug/l									<10	<10													
Hexachlorocyclopentadiene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Hexachlorocyclopentadiene	December-10	ug/l									<10														
Hexachlorocyclopentadiene	March-11	ug/l										<10		<10											
Hexachlorocyclopentadiene	June-11	ug/l										<10		<10		<10	<10								
Hexachlorocyclopentadiene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Hexachlorocyclopentadiene	December-11	ug/l												<10		<10	<10								
Hexachlorocyclopentadiene	March-12	ug/l														<10	<10								
Hexachlorocyclopentadiene	December-14	ug/l															<20.4								
Hexachlorocyclopentadiene	October-16	ug/l													<1.97										
Hexachlorocyclopentadiene	November-16	ug/l						<1.89	<1.89	<2.05						<2.12	<2.1								
Hexachlorocyclopentadiene	October-17	ug/L					<1.99																		
Hexachlorocyclopentadiene	December-17	ug/L				<2.01					<1.97								<1.97		<1.97				
Hexachlorocyclopentadiene	July-18	ug/L			<1.91							<1.97													
Hexachlorocyclopentadiene	November-18	ug/L			<1.95							<1.97													
Hexachlorocyclopentadiene	May-19	ug/L																		<1.91					
Hexachlorocyclopentadiene	October-21	ug/L						<2.21	<2.21	<2.14						<2.19	<2.21								
Hexachlorocyclopentadiene	December-21	ug/L																<2.21							
Hexachlorocyclopentadiene	October-22	ug/L				<4.32	<4.32				<4.32								<4.32		<4.47				
Hexachloroethane	March-09	ug/l					<10	<10	<10																
Hexachloroethane	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Hexachloroethane	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Hexachloroethane	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Hexachloroethane	March-10	ug/l				<10				<10			<10												
Hexachloroethane	June-10	ug/l									<10														
Hexachloroethane	August-10	ug/l									<10	<10													
Hexachloroethane	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Hexachloroethane	December-10	ug/l									<10														
Hexachloroethane	March-11	ug/l										<10		<10											
Hexachloroethane	June-11	ug/l										<10		<10		<10	<10								
Hexachloroethane	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Hexachloroethane	December-11	ug/l												<10		<10	<10								
Hexachloroethane	March-12	ug/l														<10	<10								
Hexachloroethane	December-14	ug/l															<10.2								
Hexachloroethane	October-16	ug/l													<0.135										
Hexachloroethane	November-16	ug/l						<0.13	<0.13	<0.141						<0.146	<0.144								
Hexachloroethane	October-17	ug/L					<0.137																		
Hexachloroethane	December-17	ug/L				<0.138					<0.135								<0.135		<0.135				
Hexachloroethane	July-18	ug/L			<0.141							<0.146													
Hexachloroethane	November-18	ug/L			<0.144							<0.146													
Hexachloroethane	May-19	ug/L																		<0.141					

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Hexachloroethane	October-21	ug/L						<1.37	<1.37	<1.33						<1.35	<1.37								
Hexachloroethane	December-21	ug/L																<1.37							
Hexachloroethane	October-22	ug/L				<0.822	<0.822				<0.822								<0.822		<0.851				
Hexachloropropene	March-09	ug/l					<10	<10	<10																
Hexachloropropene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Hexachloropropene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Hexachloropropene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Hexachloropropene	March-10	ug/l				<10				<10			<10												
Hexachloropropene	June-10	ug/l									<10														
Hexachloropropene	August-10	ug/l									<10	<10													
Hexachloropropene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Hexachloropropene	December-10	ug/l									<10														
Hexachloropropene	March-11	ug/l										<10		<10											
Hexachloropropene	June-11	ug/l										<10		<10		<10	<10								
Hexachloropropene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Hexachloropropene	December-11	ug/l												<10		<10	<10								
Hexachloropropene	March-12	ug/l														<10	<10								
Hexachloropropene	December-14	ug/l															<10.2								
Hexachloropropene	October-16	ug/l													<1.71										
Hexachloropropene	November-16	ug/l						<1.64	<1.64	<1.78						<1.84	<1.82								
Hexachloropropene	October-17	ug/L					<1.73																		
Hexachloropropene	December-17	ug/L				<1.74					<1.71								<1.71		<1.71				
Hexachloropropene	July-18	ug/L			<1.66							<1.71													
Hexachloropropene	November-18	ug/L			<1.69							<1.71													
Hexachloropropene	May-19	ug/L																		<1.66					
Hexachloropropene	October-21	ug/L						<1.68	<1.68	<1.63						<1.67	<1.68								
Hexachloropropene	December-21	ug/L																<1.68							
Hexachloropropene	October-22	ug/L				<2.20	<2.20				<2.20								<2.20		<2.28				
Indeno[1,2,3-cd]pyrene	March-09	ug/l					<10	<10	<10																
Indeno[1,2,3-cd]pyrene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Indeno[1,2,3-cd]pyrene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Indeno[1,2,3-cd]pyrene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Indeno[1,2,3-cd]pyrene	March-10	ug/l				<10				<10			<10												
Indeno[1,2,3-cd]pyrene	June-10	ug/l									<10														
Indeno[1,2,3-cd]pyrene	August-10	ug/l									<10	<10													
Indeno[1,2,3-cd]pyrene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Indeno[1,2,3-cd]pyrene	December-10	ug/l									<10														
Indeno[1,2,3-cd]pyrene	March-11	ug/l										<10		<10											
Indeno[1,2,3-cd]pyrene	June-11	ug/l										<10		<10		<10	<10								
Indeno[1,2,3-cd]pyrene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Indeno[1,2,3-cd]pyrene	December-11	ug/l												<10		<10	<10								
Indeno[1,2,3-cd]pyrene	March-12	ug/l														<10	<10								
Indeno[1,2,3-cd]pyrene	December-14	ug/l															<10.2								
Indeno[1,2,3-cd]pyrene	October-16	ug/l													<0.25										
Indeno[1,2,3-cd]pyrene	November-16	ug/l						<0.24	<0.24	<0.261						<0.27	<0.267								
Indeno[1,2,3-cd]pyrene	October-17	ug/L					<0.253																		
Indeno[1,2,3-cd]pyrene	December-17	ug/L				<0.255					<0.250								<0.250		<0.250				
Indeno[1,2,3-cd]pyrene	July-18	ug/L			<1.48							<1.53													
Indeno[1,2,3-cd]pyrene	November-18	ug/L			<1.52							<1.53													
Indeno[1,2,3-cd]pyrene	May-19	ug/L																		**2.45J**					
Indeno[1,2,3-cd]pyrene	October-21	ug/L						<2.11	<2.11	<2.04						<2.08	<2.11								
Indeno[1,2,3-cd]pyrene	December-21	ug/L																<2.11							
Indeno[1,2,3-cd]pyrene	October-22	ug/L				<3.56	<3.56				<3.56								<3.56		<3.68				
Iodomethane	January-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
Iodomethane	March-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
Iodomethane	August-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
Iodomethane	September-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
Iodomethane	October-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
Iodomethane	March-09	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
Iodomethane	June-09	ug/l				<50	<10	<10	<10	<10			<10												
Iodomethane	September-09	ug/l				<20	<20	<20	<20	<20	<20	<20	<20	<20											
Iodomethane	December-09	ug/l				<10	<10	<10	<20	<20			<20												
Iodomethane	March-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
Iodomethane	June-10	ug/l									<10					<50	<50	<50	<50	<50					
Iodomethane	August-10	ug/l									<10	<10				<10	<10	<10	<10	<10					

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Iodomethane	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
Iodomethane	December-10	ug/l									<10					<10	<10	<10	<10	<10					
Iodomethane	March-11	ug/l		<10		<50	<10	<10	<500	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
Iodomethane	April-11	ug/l				<10		<10	<100	<10							<10								
Iodomethane	June-11	ug/l		<10								<10		<10		<10	<10								
Iodomethane	July-11	ug/l	<50																						
Iodomethane	August-11	ug/l		<20																					
Iodomethane	September-11	ug/l	<20	<20		<10	<10	<10	<100	<20	<20		<10	<10		<10	<10	<20	<20	<20					
Iodomethane	December-11	ug/l	<20	<20										<20		<10	<20								
Iodomethane	March-12	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
Iodomethane	June-12	ug/l													<10										
Iodomethane	October-12	ug/l	<10	<10		<10	<10	<10	<10	<10			<10	<10		<10	<10		<10						
Iodomethane	March-13	ug/l	<10	<10		<10	<10	<10	<100	<10	<10		<10	<10	<10	<10	<10	<10	<10						
Iodomethane	June-13	ug/l																			<10				
Iodomethane	September-13	ug/l	<10	<10		<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10				
Iodomethane	November-13	ug/l																			<10				
Iodomethane	March-14	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10				
Iodomethane	June-14	ug/l																		<10	<10				
Iodomethane	September-14	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10				
Iodomethane	December-14	ug/l															<10								
Iodomethane	April-15	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	**9.03J**			<10	<10	<10	<10	<10	<10	<10				
Iodomethane	October-15	ug/l	<0.8	<0.8		<0.8	<0.8	<0.8	<0.8	<0.8	<0.8				<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8				
Iodomethane	April-16	ug/l	<0.8	**9.68J**		<0.8	<0.8	<0.8	<0.8	**9.37J**	<0.8	<0.8			<0.8	**9.48J**	**9.5J**	<0.8	<0.8	<0.8	<0.8				
Iodomethane	October-16	ug/l													<0.8										
Iodomethane	November-16	ug/l	<0.8	<0.8		<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8				<0.8	<0.8	<0.8	<0.8	<0.8	<0.8				
Iodomethane	March-17	ug/l	<0.8	<0.8		<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8			<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8				
Iodomethane	October-17	ug/L	<0.800	<0.800		<0.800	<0.800	<0.800	<0.800	<0.800	<0.800				<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800				
Iodomethane	December-17	ug/L				<0.800					<0.800								<0.800		<0.800				
Iodomethane	April-18	ug/L	<0.800	<0.800		<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800			<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800				
Iodomethane	July-18	ug/L			<7.00							<7.00													
Iodomethane	October-18	ug/L	<7.00	<7.00		<7.00	<7.00		<7.00						<7.00		<7.00								
Iodomethane	November-18	ug/L			<7.00			<7.00		<7.00	<7.00	<7.00				<7.00		<7.00	<7.00	<7.00	<7.00				
Iodomethane	January-19	ug/L			<7.00																				
Iodomethane	March-19	ug/L	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00			<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00				
Iodomethane	May-19	ug/L			<7.00															<7.00					
Iodomethane	October-19	ug/L	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00			<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00				
Iodomethane	March-20	ug/L	<7.00	<7.00		<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00			<7.00	<7.00	<7.00	<7.00	<7.00		<7.00				
Iodomethane	April-20	ug/L			<7.00															<7.00					
Iodomethane	September-20	ug/L	<7.00	<7.00	<7.00		<7.00	<7.00	<7.00	<7.00	<7.00	<7.00			<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00				
Iodomethane	October-20	ug/L				<7.00																			
Iodomethane	March-21	ug/L		<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00					<7.00	<7.00	<7.00				<7.00				
Iodomethane	April-21	ug/L	<7.00								<7.00	<7.00						<7.00	<7.00	<7.00					
Iodomethane	May-21	ug/L																<7.00							
Iodomethane	August-21	ug/L																							
Iodomethane	October-21	ug/L	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00			<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00				
Iodomethane	December-21	ug/L																<7.00							
Iodomethane	February-22	ug/L	<7.00																						<7.00
Iodomethane	April-22	ug/L	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00			<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00				<7.00
Iodomethane	July-22	ug/L																							<7.00
Iodomethane	October-22	ug/L	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00				<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00				<7.00
Iodomethane	April-23	ug/L	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00			<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00				<7.00
Iodomethane	May-23	ug/L																							
Iodomethane	October-23	ug/L	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00				<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00				<7.00
Iron	December-20	mg/L	**48.1**																						
Iron	February-22	mg/L	**4.36**																						**3.74**
Iron, Dissolved	December-20	mg/L	**46.6**																						
Isobutanol	March-09	mg/l					<10	<10	<10																
Isobutanol	June-09	mg/l				<10	<10	<10	<10	<10			<10												
Isobutanol	September-09	mg/l				<10	<10	<10	<10	<10			<10												
Isobutanol	December-09	mg/l				<10	<10	<10	<10	<10			<10												
Isobutanol	March-10	mg/l				<10				<10			<10												
Isobutanol	June-10	mg/l									<10														
Isobutanol	August-10	mg/l									<10	<10													
Isobutanol	September-10	mg/l				<10	<10	<10	<10	<10	<10	<10	<10												
Isobutanol	December-10	mg/l									<10														

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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Isobutanol	March-11	mg/l										<10		<10											
Isobutanol	June-11	mg/l										<10		<10		<10	<10								
Isobutanol	September-11	mg/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Isobutanol	December-11	mg/l												<10		<10	<10								
Isobutanol	March-12	mg/l														<10	<10								
Isobutanol	December-14	mg/l															<10								
Isobutanol	October-16	mg/l													<0.177										
Isobutanol	November-16	mg/l						<0.177	<0.177	<0.177						<0.177	<0.177								
Isobutanol	October-17	mg/L					<0.177																		
Isobutanol	December-17	mg/L				<0.177					<0.177								<0.177		<0.177				
Isobutanol	July-18	mg/L			<0.177							<0.177													
Isobutanol	November-18	mg/L			<0.177							<0.177													
Isobutanol	May-19	mg/L																		<0.177					
Isobutanol	October-21	mg/L						<0.553	<0.553	<0.553						<0.553	<0.553								
Isobutanol	December-21	mg/L																<0.553							
Isobutanol	October-22	mg/L				<0.553	<0.553				<0.553								<0.553		<0.553				
Isodrin	March-09	ug/l					<10	<10	<10																
Isodrin	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Isodrin	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Isodrin	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Isodrin	March-10	ug/l				<10				<10			<10												
Isodrin	June-10	ug/l									<10														
Isodrin	August-10	ug/l									<10	<10													
Isodrin	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Isodrin	December-10	ug/l									<10														
Isodrin	March-11	ug/l										<10		<10											
Isodrin	June-11	ug/l										<10		<10		<10	<10								
Isodrin	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Isodrin	December-11	ug/l												<10		<10	<10								
Isodrin	March-12	ug/l														<10	<10								
Isodrin	December-14	ug/l															<10.2								
Isodrin	October-16	ug/l													<0.396										
Isodrin	November-16	ug/l						<0.38	<0.38	<0.413						<0.427	<0.422								
Isodrin	October-17	ug/L					<0.400																		
Isodrin	December-17	ug/L				<0.404					<0.396								<0.396		<0.396				
Isodrin	July-18	ug/L			<0.384							<0.396													
Isodrin	November-18	ug/L			<0.392							<0.396													
Isodrin	May-19	ug/L																		<0.384					
Isodrin	October-21	ug/L						<0.611	<0.611	<0.592						<0.604	<0.611								
Isodrin	December-21	ug/L																<0.611							
Isodrin	October-22	ug/L				<3.98	<3.98				<3.98								<3.98		<4.12				
Isophorone	March-09	ug/l					<10	<10	<10																
Isophorone	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Isophorone	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Isophorone	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Isophorone	March-10	ug/l				<10				<10			<10												
Isophorone	June-10	ug/l									<10														
Isophorone	August-10	ug/l									<10	<10													
Isophorone	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Isophorone	December-10	ug/l									<10														
Isophorone	March-11	ug/l										<10		<10											
Isophorone	June-11	ug/l										<10		<10		<10	<10								
Isophorone	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Isophorone	December-11	ug/l												<10		<10	<10								
Isophorone	March-12	ug/l														<10	<10								
Isophorone	December-14	ug/l															<10.2								
Isophorone	October-16	ug/l													<0.229										
Isophorone	November-16	ug/l						<0.22	<0.22	<0.239						<0.247	<0.244								
Isophorone	October-17	ug/L					<0.232																		
Isophorone	December-17	ug/L				<0.234					<0.229								<0.229		<0.229				
Isophorone	July-18	ug/L			<0.222							<0.229													
Isophorone	November-18	ug/L			<0.227							<0.229													
Isophorone	May-19	ug/L																		<0.222					
Isophorone	October-21	ug/L						<1.04	<1.04	<1.01						<1.03	<1.04								
Isophorone	December-21	ug/L																<1.04							

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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Isophorone	October-22	ug/L				<0.788	<0.788				<0.788								<0.788		<0.816				
Isosafrole	March-09	ug/l					<10	<10	<10																
Isosafrole	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Isosafrole	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Isosafrole	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Isosafrole	March-10	ug/l				<10				<10			<10												
Isosafrole	June-10	ug/l									<10														
Isosafrole	August-10	ug/l									<10	<10													
Isosafrole	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Isosafrole	December-10	ug/l									<10														
Isosafrole	March-11	ug/l										<10		<10											
Isosafrole	June-11	ug/l										<10		<10		<10	<10								
Isosafrole	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Isosafrole	December-11	ug/l												<10		<10	<10								
Isosafrole	March-12	ug/l														<10	<10								
Isosafrole	December-14	ug/l															<10.2								
Isosafrole	October-16	ug/l													<0.188										
Isosafrole	November-16	ug/l						<0.18	<0.18	<0.196						<0.202	<0.2								
Isosafrole	October-17	ug/L					<0.189																		
Isosafrole	December-17	ug/L				<0.191					<0.188								<0.188		<0.188				
Isosafrole	July-18	ug/L			<0.182							<0.188													
Isosafrole	November-18	ug/L			<0.186							<0.188													
Isosafrole	May-19	ug/L																		<0.182					
Isosafrole	October-21	ug/L						<0.526	<0.526	<0.510						<0.521	<0.526								
Isosafrole	December-21	ug/L																<0.526							
Isosafrole	October-22	ug/L				<1.95	<1.95				<1.95								<1.95		<2.02				
Kepone	March-09	ug/l					<10	<10	<10																
Kepone	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Kepone	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Kepone	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Kepone	March-10	ug/l				<10				<10			<10												
Kepone	June-10	ug/l									<10														
Kepone	August-10	ug/l									<10	<10													
Kepone	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Kepone	December-10	ug/l									<10														
Kepone	March-11	ug/l										<10		<10											
Kepone	June-11	ug/l										<10		<10		<10	<10								
Kepone	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Kepone	December-11	ug/l												<10		<10	<10								
Kepone	March-12	ug/l														<10	<10								
Kepone	December-14	ug/l															<10.2								
Kepone	October-16	ug/l													<0.25										
Kepone	November-16	ug/l						<0.24	<0.24	<0.261						<0.27	<0.267								
Kepone	October-17	ug/L					<0.253																		
Kepone	December-17	ug/L				<0.255					<0.250								<0.250		<0.250				
Kepone	July-18	ug/L			<0.242							<0.250													
Kepone	November-18	ug/L			<0.247							<0.250													
Kepone	May-19	ug/L																		<0.242					
Kepone	October-21	ug/L						<1.89	<1.89	<1.84						<1.88	<1.89								
Kepone	December-21	ug/L																<1.89							
Kepone	October-22	ug/L				<0.847	<0.847				<0.847								<0.847		<0.877				
Lead	January-08	mg/l				<0.004	<0.004	<0.004	**0.00412**	<0.004	**0.0128**	<0.004	**0.0224**	**0.00501**											
Lead	March-08	mg/l				<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	**0.00468**	<0.004											
Lead	August-08	mg/l				<0.004	<0.004	<0.004	<0.004	**0.00516**	**0.0059**	<0.004	**0.0159**	<0.004											
Lead	September-08	mg/l				<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004											
Lead	October-08	mg/l				<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004											
Lead	March-09	mg/l				<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	**0.00555**	<0.004											
Lead	June-09	mg/l				<0.004	<0.004	<0.004	<0.004	<0.004			<0.004												
Lead	September-09	mg/l				<0.004	<0.004	<0.004	<0.004	<0.004	**0.00474**	<0.004	**0.00449**	<0.004											
Lead	December-09	mg/l				<0.004	<0.004	<0.004	<0.004	<0.004			**0.00415**												
Lead	March-10	mg/l				<0.004	<0.004	<0.004	<0.004	<0.004	**0.00623**	<0.004	<0.004	<0.004											
Lead	June-10	mg/l									<0.004					<0.004	<0.004	<0.004	<0.004	<0.004					
Lead	August-10	mg/l									<0.004	<0.004				<0.004	<0.004	<0.004	<0.004	**0.0051**					
Lead	September-10	mg/l				<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004		<0.004	<0.004	<0.004	<0.004	**0.0112**					
Lead	December-10	mg/l									<0.004					<0.004	<0.004	<0.004	<0.004	<0.004					

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Lead	March-11	mg/l		<0.004		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004		<0.004	<0.004	<0.004	<0.004	**0.00454**					
Lead	June-11	mg/l		<0.004								<0.004		<0.004		<0.004	<0.004								
Lead	July-11	mg/l	<0.004																						
Lead	August-11	mg/l		<0.004																					
Lead	September-11	mg/l	<0.004	<0.004		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004		<0.004	<0.004		<0.004	<0.004	<0.004	<0.004	**0.0174**					
Lead	December-11	mg/l	<0.004	<0.004										<0.004		<0.004	<0.004								
Lead	March-12	mg/l	<0.004	<0.004		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004		<0.004	<0.004	<0.004	<0.004	**0.0078**					
Lead	April-12	mg/l													**0.115**										
Lead	June-12	mg/l													**0.076**										
Lead	October-12	mg/l	<0.004	<0.004		<0.004	<0.004	<0.004	<0.004	<0.004			<0.004	<0.004	<0.004	<0.004	<0.004		**0.00751**						
Lead	March-13	mg/l	<0.004	<0.004		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004		<0.004	<0.004	**0.014**	<0.004	<0.004	**0.00143J**	**0.00942**						
Lead	June-13	mg/l																			**0.00569**				
Lead	September-13	mg/l	<0.004	<0.004		<0.004	**0.00277J**	<0.004	<0.004	<0.004	<0.004		<0.004	<0.004	**0.0191**	<0.004	<0.004	**0.00745**	<0.004	**0.00334J**	**0.0118**				
Lead	November-13	mg/l																			**0.0114**				
Lead	March-14	mg/l	<0.004	<0.004		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	**0.0105**	<0.004	<0.004	<0.004	<0.004		**0.00399J**				
Lead	June-14	mg/l																		<0.004	**0.00677**				
Lead	September-14	mg/l	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	**0.000157J**	**0.000138J**	**0.000161J**	**0.00404**	**0.000155J**	<0.0005	**0.000291J**	**0.000642**	<0.0005	**0.00231**				
Lead	December-14	mg/l															<0.0005								
Lead	April-15	mg/l	**0.000201J**	<0.0005		<0.001	<0.0005	**0.000318J**	<0.0005	<0.0005	**0.00022J**	**0.00033J**			**0.00081**	**0.000177J**	<0.0005	**0.000945**	<0.0005	<0.0005	**0.000203J**				
Lead	October-15	mg/l	<0.0000967	<0.0000967		**0.00021J**	**0.00018J**	**0.000118J**	<0.0000967	<0.000211	**0.00022J**				**0.000211J**	**0.000118J**	<0.000211	**0.000117J**	<0.000211	<0.0000967	**0.00019J**				
Lead	April-16	mg/l	<0.000211	<0.000211		<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211			<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211				
Lead	October-16	mg/l													<0.000211										
Lead	November-16	mg/l	<0.000211	<0.000211		**0.000781**	**0.000464J**	<0.000211	<0.000211	**0.000621**	**0.000966**	<0.000211				**0.000369J**	**0.000493J**	**0.0011**	<0.000211	**0.00246**	**0.000278J**				
Lead	March-17	mg/l	<0.000324	<0.000324		<0.000324	<0.000324	<0.000324	<0.000324	<0.000324	<0.000324	<0.000324			<0.000324	<0.000324	<0.000324	<0.000324	<0.000324	<0.000324	<0.000324				
Lead	October-17	mg/L	<0.000324	<0.000324		<0.000324	<0.000324	<0.000324	<0.000324	<0.000648	<0.000324				<0.000324	<0.000324	**0.000414J**	<0.000324	<0.000324	<0.000324	<0.000324				
Lead	December-17	mg/L				<0.000324					<0.000324								**0.000663**		<0.000324				
Lead	April-18	mg/L	<0.000250	**0.00125**		<0.000250	<0.000250	<0.000250	<0.000250	<0.000250	<0.000250	<0.000250			**0.00165**	<0.000250	<0.000250	<0.000250	**0.000325J**	<0.000250	<0.000250				
Lead	July-18	mg/L			<0.000250							<0.000250													
Lead	October-18	mg/L	<0.000250	<0.000250		<0.000250	<0.000250		**0.000457J**						**0.00687**		<0.000250								
Lead	November-18	mg/L			<0.000250			<0.000250		**0.000321J**	<0.000250	<0.000250				<0.000250		<0.000250	**0.000569**	<0.000250	**0.000266J**				
Lead	January-19	mg/L			<0.000250																				
Lead	March-19	mg/L	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270			**0.00063**	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270				
Lead	May-19	mg/L			<0.000186															<0.000186					
Lead	October-19	mg/L	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270			**0.00128**	<0.000270	<0.000270	<0.000270	**0.00035J**	<0.000270	<0.000270				
Lead	March-20	mg/L	**0.000943**	<0.000270		<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270			**0.000775**	<0.000270	<0.000270	<0.000270	<0.000270		<0.000270				
Lead	April-20	mg/L			<0.000270															**0.000355J**					
Lead	September-20	mg/L	**0.000415J**	<0.000110	<0.000110		<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110			**0.00034J**	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110				
Lead	October-20	mg/L				**0.000118J**																			
Lead	November-20	mg/L	**0.00387**																						
Lead	December-20	mg/L	<0.000110																						
Lead	March-21	mg/L		<0.000210	<0.000210	<0.000210	<0.000210	<0.000210	<0.000210	<0.000210					**0.00048J**	<0.000210	<0.000210				**0.000275J**				
Lead	April-21	mg/L	<0.000210								<0.000210	**0.000444J**						**0.000476J**	<0.000210	<0.000210					
Lead	May-21	mg/L																**0.000703**							
Lead	August-21	mg/L																							
Lead	October-21	mg/L	<0.000210	<0.000210	<0.000210	**0.000738**	**0.000264J**	**0.000326J**	<0.000210	<0.000210	<0.000210	<0.000210			**0.00704**	**0.000704**	<0.000210	<0.000210	<0.000210	<0.000210	<0.000210				
Lead	December-21	mg/L																<0.000210							
Lead	February-22	mg/L	**0.000291J**																						<0.000240
Lead	April-22	mg/L	<0.000240	<0.000240	<0.000240	<0.000240	<0.000240	<0.000240	<0.000240	<0.000240	<0.000240	**0.00194**			**0.000332J**	<0.000240	<0.000240	<0.00168	<0.000240	<0.000240	<0.000240				<0.000240
Lead	July-22	mg/L																							**0.000526**
Lead	October-22	mg/L	<0.000240	**0.00125**	<0.000240	**0.000644**	<0.000240	<0.000240	<0.000240	<0.000240	**0.000279J**				**0.00363**	<0.000240	<0.000240	<0.000240	<0.000240	<0.000240	<0.000240				<0.000240
Lead	December-22	mg/L		<0.000240																					
Lead	April-23	mg/L	**0.000261J**	**0.000274J**	<0.000240	**0.000278J**	**0.000255J**	<0.000240	<0.000240	<0.000240	**0.000324J**	<0.000240			**0.00229**	<0.000240	<0.000240	<0.000240	<0.000240	<0.000240	<0.000240				<0.000240
Lead	May-23	mg/L																							
Lead	October-23	mg/L	<0.000240	<0.000240	<0.000240	<0.000240	**0.000641**	<0.000240	<0.000240	<0.000240	<0.000240				**0.000438J**	<0.000240	**0.000829**	<0.000240	<0.000240	<0.000240	<0.000240				<0.000240
Lead, Dissolved	December-20	mg/L	**0.000276**																						
Lindane [BHC, Gamma-]	March-09	ug/l					<0.032	<0.032	<0.032																
Lindane [BHC, Gamma-]	June-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Lindane [BHC, Gamma-]	September-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Lindane [BHC, Gamma-]	December-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Lindane [BHC, Gamma-]	March-10	ug/l				<0.032				<0.032			<0.032												
Lindane [BHC, Gamma-]	June-10	ug/l									<0.032														
Lindane [BHC, Gamma-]	August-10	ug/l									<0.032	<0.032													
Lindane [BHC, Gamma-]	September-10	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032												
Lindane [BHC, Gamma-]	December-10	ug/l									<0.032														
Lindane [BHC, Gamma-]	March-11	ug/l					<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032											

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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Lindane [BHC, Gamma-]	June-11	ug/l										<0.032		<0.032		<0.0392	<0.032								
Lindane [BHC, Gamma-]	September-11	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032		<0.032	<0.032		<0.032	<0.032								
Lindane [BHC, Gamma-]	December-11	ug/l												<0.032		<0.032	<0.032								
Lindane [BHC, Gamma-]	March-12	ug/l														<0.032	<0.032								
Lindane [BHC, Gamma-]	December-14	ug/l															**0.0022J**								
Lithium	February-22	mg/L	**0.0115**																						**0.00467J**
Manganese	February-22	mg/L	**0.648**																						**0.706**
Mercury	March-09	mg/l					<0.0002	<0.0002	<0.0002																
Mercury	June-09	mg/l				<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			<0.0002												
Mercury	September-09	mg/l				<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			<0.0002												
Mercury	December-09	mg/l				<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			<0.0002												
Mercury	March-10	mg/l				<0.0002				<0.0002			<0.0002												
Mercury	June-10	mg/l									<0.0002														
Mercury	August-10	mg/l									<0.0002	<0.0002													
Mercury	September-10	mg/l				<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.003												
Mercury	December-10	mg/l									<0.0002														
Mercury	March-11	mg/l				<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002											
Mercury	June-11	mg/l										<0.0002		<0.0002		<0.0002	<0.0002								
Mercury	September-11	mg/l				<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002		<0.0002	<0.0002								
Mercury	December-11	mg/l												<0.0002		<0.0002	<0.0002								
Mercury	March-12	mg/l														<0.0002	<0.0002								
Mercury	March-13	mg/l																							
Mercury	September-13	mg/l																							
Mercury	March-14	mg/l																							
Mercury	June-14	mg/l																							
Mercury	December-14	mg/l															**0.000346**								
Mercury	April-15	mg/l													<0.0002		<0.0002								
Mercury	October-15	mg/l													<0.0000926		<0.000142								
Mercury	April-16	mg/l															<0.000142								
Mercury	October-16	mg/l													<0.000142										
Mercury	November-16	mg/l						<0.000142	<0.000142	<0.000142						<0.000142	<0.000142								
Mercury	March-17	mg/l															<0.000112								
Mercury	October-17	mg/L					<0.000112								<0.000112		<0.000112								
Mercury	December-17	mg/L				<0.000112					<0.000112								<0.000112		<0.000112				
Mercury	April-18	mg/L															<0.000150								
Mercury	July-18	mg/L			<0.000150							<0.000150													
Mercury	October-18	mg/L															<0.000150								
Mercury	November-18	mg/L			<0.000150							<0.000150													
Mercury	March-19	mg/L															<0.000100								
Mercury	May-19	mg/L																		<0.000100					
Mercury	October-19	mg/L															<0.000100								
Mercury	October-21	mg/L						<0.000150	<0.000150	<0.000150						<0.000150	<0.000150								
Mercury	December-21	mg/L																<0.000150							
Mercury	October-22	mg/L				<0.000110	<0.000110				<0.000110								<0.000110		<0.000110				
Methacrylonitrile	March-09	ug/l					<1	<1	<1																
Methacrylonitrile	June-09	ug/l				<5	<1	<1	<1	<1			<1												
Methacrylonitrile	September-09	ug/l				<1	<1	<1	<1	<1			<1												
Methacrylonitrile	December-09	ug/l				<1	<1	<1	<1	<1			<1												
Methacrylonitrile	March-10	ug/l				<1	<1	<1	<1	<1			<1												
Methacrylonitrile	June-10	ug/l									<1														
Methacrylonitrile	August-10	ug/l									<1	<1													
Methacrylonitrile	September-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1												
Methacrylonitrile	December-10	ug/l									<1														
Methacrylonitrile	March-11	ug/l				<1	<1	<1	<10	<1	<1	<1	<1	<1											
Methacrylonitrile	April-11	ug/l				<1		<1	<10	<1							<1								
Methacrylonitrile	June-11	ug/l										<1		<1		<1	<1								
Methacrylonitrile	September-11	ug/l				<1	<1	<1	<10	<1	<1		<1	<1		<1	<1								
Methacrylonitrile	December-11	ug/l												<1		<1	<1								
Methacrylonitrile	March-12	ug/l											<1			<1	<1								
Methacrylonitrile	December-14	ug/l															<10								
Methacrylonitrile	October-16	ug/l													<0.25										
Methacrylonitrile	November-16	ug/l						<0.25	<0.25	<0.25						<0.25	<0.25								
Methacrylonitrile	October-17	ug/L					<0.250																		
Methacrylonitrile	December-17	ug/L				<0.250					<0.250								<0.250		<0.250				
Methacrylonitrile	July-18	ug/L			<3.30							<3.30													

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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Methacrylonitrile	November-18	ug/L			<3.30							<3.30													
Methacrylonitrile	May-19	ug/L																		<3.30					
Methacrylonitrile	October-21	ug/L						<3.30	<3.30	<3.30						<3.30	<3.30								
Methacrylonitrile	December-21	ug/L																<3.30							
Methacrylonitrile	October-22	ug/L				<3.30	<3.30				<3.30								<3.30		<3.30				
Methapyrilene	March-09	ug/l					<10	<10	<10																
Methapyrilene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Methapyrilene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Methapyrilene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Methapyrilene	March-10	ug/l				<10				<10			<10												
Methapyrilene	June-10	ug/l									<10														
Methapyrilene	August-10	ug/l									<10	<10													
Methapyrilene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Methapyrilene	December-10	ug/l									<10														
Methapyrilene	March-11	ug/l										<10		<10											
Methapyrilene	June-11	ug/l										<10		<10		<10	<10								
Methapyrilene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Methapyrilene	December-11	ug/l												<10		<10	<10								
Methapyrilene	March-12	ug/l														<10	<10								
Methapyrilene	December-14	ug/l															<10.2								
Methapyrilene	October-16	ug/l													<0.302										
Methapyrilene	November-16	ug/l						<0.29	<0.29	<0.315						<0.326	<0.322								
Methapyrilene	October-17	ug/L					<0.305																		
Methapyrilene	December-17	ug/L				<0.309					<0.302								<0.302		<0.302				
Methapyrilene	July-18	ug/L			<1.37							<1.42													
Methapyrilene	November-18	ug/L			<1.40							<1.42													
Methapyrilene	May-19	ug/L																		<1.37					
Methapyrilene	October-21	ug/L						<2.00	<2.00	<1.94						<1.98	<2.00								
Methapyrilene	December-21	ug/L																<2.00							
Methapyrilene	October-22	ug/L				<0.644	<0.644				<0.644								<0.644		<0.667				
Methoxychlor	March-09	ug/l					<0.032	<0.032	<0.032																
Methoxychlor	June-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Methoxychlor	September-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Methoxychlor	December-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
Methoxychlor	March-10	ug/l				<0.032				<0.032			<0.032												
Methoxychlor	June-10	ug/l									<0.032														
Methoxychlor	August-10	ug/l									<0.032	<0.032													
Methoxychlor	September-10	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032												
Methoxychlor	December-10	ug/l									<0.032														
Methoxychlor	March-11	ug/l					**0.259**	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032											
Methoxychlor	June-11	ug/l										<0.032		<0.032		<0.0392	<0.032								
Methoxychlor	September-11	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032		<0.032	<0.032		<0.032	<0.032								
Methoxychlor	December-11	ug/l												<0.032		<0.032	<0.032								
Methoxychlor	March-12	ug/l					<0.032									<0.032	<0.032								
Methoxychlor	October-12	ug/l					**0.0618**																		
Methoxychlor	March-13	ug/l					**0.0187J**								<0.033										
Methoxychlor	September-13	ug/l													<0.033										
Methoxychlor	December-14	ug/l															<0.0352								
Methoxychlor	October-16	ug/l													<0.00219										
Methoxychlor	November-16	ug/l						<0.00216	<0.0021	<0.00226						<0.00216	<0.00216								
Methoxychlor	October-17	ug/L					**0.022J**																		
Methoxychlor	December-17	ug/L				<0.00219					**0.0231J**								**0.0138J**		**0.00247J**				
Methoxychlor	July-18	ug/L			<0.00212							<0.00219													
Methoxychlor	November-18	ug/L			<0.00216							**0.00563J**													
Methoxychlor	May-19	ug/L																		<0.00214					
Methoxychlor	October-21	ug/L						<0.0147	<0.0147	<0.0147						<0.0147	<0.0147								
Methoxychlor	December-21	ug/L																<0.0147							
Methoxychlor	October-22	ug/L				<0.0347	<0.0360				**0.0432J**								<0.0373		<0.0347				
Methoxychlor	April-23	ug/L								<0.0410								<0.0410							
Methyl Methacrylate	March-09	ug/l					<2	<2	<2																
Methyl Methacrylate	June-09	ug/l				<10	<2	<2	<2	<2			<2												
Methyl Methacrylate	September-09	ug/l				<2	<2	<2	<2	<2			<2												
Methyl Methacrylate	December-09	ug/l				<5	<5	<5	<2	<2			<2												
Methyl Methacrylate	March-10	ug/l				<2	<2	<2	<2	<2			<2												
Methyl Methacrylate	June-10	ug/l									<4														

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Analytical Data Summary
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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Methyl Methacrylate	August-10	ug/l									<20	<20													
Methyl Methacrylate	September-10	ug/l				<20	<20	<20	<20	<20	<20	<20	<20												
Methyl Methacrylate	December-10	ug/l									<5														
Methyl Methacrylate	March-11	ug/l				<2	<2	<2	<20	<2	<2	<2	<2	<2											
Methyl Methacrylate	April-11	ug/l				<2		<2	<20	<2							<2								
Methyl Methacrylate	June-11	ug/l										<2		<2		<2	<2								
Methyl Methacrylate	September-11	ug/l				<2	<2	<2	<20	<2	<2		<2	<2		<2	<2								
Methyl Methacrylate	December-11	ug/l												<2		<2	<2								
Methyl Methacrylate	March-12	ug/l											<2			<2	<2								
Methyl Methacrylate	December-14	ug/l															<2								
Methyl Methacrylate	October-16	ug/l													<0.15										
Methyl Methacrylate	November-16	ug/l						<0.15	<0.15	<0.15						<0.15	<0.15								
Methyl Methanesulfonate	March-09	ug/l					<10	<10	<10																
Methyl Methanesulfonate	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Methyl Methanesulfonate	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Methyl Methanesulfonate	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Methyl Methanesulfonate	March-10	ug/l				<10				<10			<10												
Methyl Methanesulfonate	June-10	ug/l									<10														
Methyl Methanesulfonate	August-10	ug/l									<10	<10													
Methyl Methanesulfonate	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Methyl Methanesulfonate	December-10	ug/l									<10														
Methyl Methanesulfonate	March-11	ug/l										<10		<10											
Methyl Methanesulfonate	June-11	ug/l										<10		<10		<10	<10								
Methyl Methanesulfonate	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Methyl Methanesulfonate	December-11	ug/l												<10		<10	<10								
Methyl Methanesulfonate	March-12	ug/l														<10	<10								
Methyl Methanesulfonate	December-14	ug/l															<10.2								
Methyl Methanesulfonate	October-16	ug/l													<0.146										
Methyl Methanesulfonate	November-16	ug/l						<0.14	<0.14	<0.152						<0.157	<0.156								
Methyl Parathion	March-09	ug/l					<10	<10	<10																
Methyl Parathion	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Methyl Parathion	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Methyl Parathion	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Methyl Parathion	March-10	ug/l				<10				<10			<10												
Methyl Parathion	June-10	ug/l									<10														
Methyl Parathion	August-10	ug/l									<10	<10													
Methyl Parathion	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Methyl Parathion	December-10	ug/l									<10														
Methyl Parathion	March-11	ug/l										<10		<10											
Methyl Parathion	June-11	ug/l										<10		<10		<10	<10								
Methyl Parathion	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Methyl Parathion	December-11	ug/l												<10		<10	<10								
Methyl Parathion	March-12	ug/l														<10	<10								
Methyl Parathion	December-14	ug/l															<10.2								
Methyl Parathion	October-16	ug/l													<0.156										
Methyl Parathion	November-16	ug/l						<0.15	<0.15	<0.163						<0.169	<0.167								
Methyl methacrylate	October-17	ug/L					<0.150																		
Methyl methacrylate	December-17	ug/L				<0.150					<0.150								<0.150		<0.150				
Methyl methacrylate	July-18	ug/L			<0.760							<0.760													
Methyl methacrylate	November-18	ug/L			<0.760							<0.760													
Methyl methacrylate	May-19	ug/L																		<0.760					
Methyl methacrylate	October-21	ug/L						<0.760	<0.760	<0.760						<0.760	<0.760								
Methyl methacrylate	December-21	ug/L																<0.760							
Methyl methacrylate	October-22	ug/L				<0.760	<0.760				<0.760								<0.760		<0.760				
Methyl methanesulfonate	October-17	ug/L					<0.147																		
Methyl methanesulfonate	December-17	ug/L				<0.149					<0.146								<0.146		<0.146				
Methyl methanesulfonate	July-18	ug/L			<0.141							<0.146													
Methyl methanesulfonate	November-18	ug/L			<0.144							<0.146													
Methyl methanesulfonate	May-19	ug/L																		<0.141					
Methyl methanesulfonate	October-21	ug/L						<0.526	<0.526	<0.510						<0.521	<0.526								
Methyl methanesulfonate	December-21	ug/L																<0.526							
Methyl methanesulfonate	October-22	ug/L				<2.80	<2.80				<2.80								<2.80		<2.89				
Methyl parathion	October-17	ug/L					<0.158																		
Methyl parathion	December-17	ug/L				<0.160					<0.156								<0.156		<0.156				
Methyl parathion	July-18	ug/L			<0.152							<0.156													

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Analytical Data Summary
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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Methyl parathion	November-18	ug/L			<0.155							<0.156													
Methyl parathion	May-19	ug/L																		<0.152					
Methyl parathion	October-21	ug/L						<0.789	<0.789	<0.765						<0.781	<0.789								
Methyl parathion	December-21	ug/L																<0.789							
Methyl parathion	October-22	ug/L				<1.95	<1.95				<1.95								<1.95		<2.02				
Methylene Chloride	January-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Methylene Chloride	March-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Methylene Chloride	August-08	ug/l				**0.5J**	**0.58J**	**0.69J**	**1.04J**	**0.74J**	<5	**0.51J**	**0.48J**	**0.52J**											
Methylene Chloride	September-08	ug/l				<5	<5	<5	**0.78J**	<5	<5	<5	<5	<5											
Methylene Chloride	October-08	ug/l				<5	<5	<5	**0.47J**	<5	<5	<5	<5	<5											
Methylene Chloride	March-09	ug/l				<5	**0.65J**	<5	**0.53J**	<5	<5	<5	<5	<5											
Methylene Chloride	June-09	ug/l				<25	<5	<5	<5	<5			<5												
Methylene Chloride	September-09	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Methylene Chloride	December-09	ug/l				<5	<5	<5	<5	<5			<5												
Methylene Chloride	March-10	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
Methylene Chloride	June-10	ug/l									<5					<5	<5	<5	<5	<5					
Methylene Chloride	August-10	ug/l									<5	<5				<5	<5	<5	<5	<5					
Methylene Chloride	September-10	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5					
Methylene Chloride	December-10	ug/l									<5					<5	<5	<5	<5	<5					
Methylene Chloride	March-11	ug/l		<5		<5	<5	<5	<50	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5					
Methylene Chloride	April-11	ug/l				<5		<5	<50	<5							<5								
Methylene Chloride	June-11	ug/l		<5								<5		<5		<5	<5								
Methylene Chloride	July-11	ug/l	<5																						
Methylene Chloride	August-11	ug/l		<5																					
Methylene Chloride	September-11	ug/l	<5	<5		<5	<5	<5	<50	<5	<5		<5	<5		<5	<5	<5	<5	<5					
Methylene Chloride	December-11	ug/l	<5	<5										<5		<5	<5								
Methylene Chloride	March-12	ug/l	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5					
Methylene Chloride	June-12	ug/l													<5										
Methylene Chloride	October-12	ug/l	<5	<5		<5	<5	<5	<5	<5			<5	<5		<5	<5		<5						
Methylene Chloride	March-13	ug/l	**0.402J**	<5		<5	<5	<5	<50	<5	<5		<5	<5	<5	<5	<5	<5	<5						
Methylene Chloride	June-13	ug/l																			<5				
Methylene Chloride	September-13	ug/l	<5	<5		<5	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5				
Methylene Chloride	November-13	ug/l																			<5				
Methylene Chloride	March-14	ug/l	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5				
Methylene Chloride	June-14	ug/l																		<5	<5				
Methylene Chloride	September-14	ug/l	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5				
Methylene Chloride	December-14	ug/l															<5								
Methylene Chloride	April-15	ug/l	<5	<5		<5	<5	<5	<5	<5	<5	<5			<5	<5	<5	<5	<5	<5	<5				
Methylene Chloride	October-15	ug/l	**0.224J**			**0.263J**	<0.17	<0.17	<0.17	**0.682J**	<0.17				<0.17	<0.17	<0.17	<0.17	**0.291J**	**0.183J**	**0.173J**				
Methylene Chloride	April-16	ug/l	<0.17	<0.17		<0.17	<0.17	<0.17	<0.17	**0.218J**	<0.17	<0.17			<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17				
Methylene Chloride	October-16	ug/l													**0.336J**										
Methylene Chloride	November-16	ug/l	**0.494J**	**0.302J**		**0.413J**	**0.498J**	**0.372J**	<0.17	<0.17	**0.478J**	**0.655J**				**0.594J**	<0.17	**0.408J**	**0.387J**	**0.313J**	**0.321J**				
Methylene Chloride	March-17	ug/l	**0.414J**	**0.298J**		**0.537J**	**0.301J**	**0.186J**	**0.17J**	**0.498J**	**0.253J**	**0.311J**			<0.17	**0.36J**	**0.415J**	**0.467J**	<0.17	**0.181J**	<0.17				
Methylene Chloride	October-17	ug/L	<0.170	<0.170		<0.170	<0.170	**0.277J**	<0.170	**0.221J**	<0.170				<0.170	<0.170	<0.170	<0.170	**0.243J**	<0.170	<0.170				
Methylene Chloride	December-17	ug/L				<0.170					<0.170								<0.170		<0.170				
Methylene Chloride	April-18	ug/L	**0.591J**	**0.898J**		**0.501J**	**0.304J**	**0.201J**	**0.386J**	**0.556J**	**0.48J**	**0.379J**			**0.202J**	**0.284J**	**0.307J**	**0.203J**	**0.379J**	**0.391J**	<0.170				
Methylene Chloride	July-18	ug/L			<1.70							<1.70													
Methylene Chloride	October-18	ug/L	<1.70	<1.70		<1.70	<1.70		<1.70						<1.70		<1.70								
Methylene Chloride	November-18	ug/L			<1.70			<1.70		<1.70	<1.70	<1.70				<1.70		<1.70	<1.70	<1.70	<1.70				
Methylene Chloride	January-19	ug/L			<1.70																				
Methylene Chloride	March-19	ug/L	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70			<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70				
Methylene Chloride	May-19	ug/L			<1.70															<1.70					
Methylene Chloride	October-19	ug/L	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70			<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70				
Methylene Chloride	March-20	ug/L	<1.70	<1.70		<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70			<1.70	<1.70	<1.70	<1.70	<1.70		<1.70				
Methylene Chloride	April-20	ug/L			<1.70															<1.70					
Methylene Chloride	September-20	ug/L	<1.70	<1.70	<1.70		<1.70	<1.70	<1.70	<1.70	<1.70	<1.70			<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70				
Methylene Chloride	October-20	ug/L				<1.70																			
Methylene Chloride	March-21	ug/L		<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70					<1.70	<1.70	<1.70				<1.70				
Methylene Chloride	April-21	ug/L	<1.70								<1.70	<1.70						<1.70	<1.70	<1.70					
Methylene Chloride	May-21	ug/L																<1.70							
Methylene Chloride	August-21	ug/L																							
Methylene Chloride	October-21	ug/L	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70			<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70				
Methylene Chloride	December-21	ug/L																<1.70							
Methylene Chloride	February-22	ug/L	<1.70																						<1.70
Methylene Chloride	April-22	ug/L	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70			<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70				<1.70

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Methylene Chloride	July-22	ug/L																							<1.70
Methylene Chloride	October-22	ug/L	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70				<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70				<1.70
Methylene Chloride	April-23	ug/L	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70			<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70				<1.70
Methylene Chloride	May-23	ug/L																							
Methylene Chloride	October-23	ug/L	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70				<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70				<1.70
Methylphenol, 3 & 4	October-16	ug/L													<0.188										
Methylphenol, 3 & 4	November-16	ug/L						<0.18	<0.18	<0.196						<0.202	<0.2								
Methylphenol, 3 & 4	October-17	ug/L					<0.189																		
Methylphenol, 3 & 4	December-17	ug/L				<0.191					<0.188								<0.188		<0.188				
Methylphenol, 3 & 4	July-18	ug/L			**0.962J**							<0.188													
Methylphenol, 3 & 4	November-18	ug/L			<0.186							<0.188													
Methylphenol, 3 & 4	May-19	ug/L																		<0.182					
Methylphenol, 3 & 4	October-21	ug/L						<0.800	<0.800	<0.776						<0.792	<0.800								
Methylphenol, 3 & 4	December-21	ug/L																<0.800							
Methylphenol, 3 & 4	October-22	ug/L				<0.593	<0.593				<0.593								<0.593		<0.614				
Molybdenum	February-22	mg/L	**0.00151J**																						<0.00120
N-Nitrosodi-n-butylamine	March-09	ug/l					<10	<10	<10																
N-Nitrosodi-n-butylamine	June-09	ug/l				<10	<10	<10	<10	<10			<10												
N-Nitrosodi-n-butylamine	September-09	ug/l				<10	<10	<10	<10	<10			<10												
N-Nitrosodi-n-butylamine	December-09	ug/l				<10	<10	<10	<10	<10			<10												
N-Nitrosodi-n-butylamine	March-10	ug/l				<10				<10			<10												
N-Nitrosodi-n-butylamine	June-10	ug/l									<10														
N-Nitrosodi-n-butylamine	August-10	ug/l									<10	<10													
N-Nitrosodi-n-butylamine	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
N-Nitrosodi-n-butylamine	December-10	ug/l									<10														
N-Nitrosodi-n-butylamine	March-11	ug/l										<10		<10											
N-Nitrosodi-n-butylamine	June-11	ug/l										<10		<10		<10	<10								
N-Nitrosodi-n-butylamine	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
N-Nitrosodi-n-butylamine	December-11	ug/l												<10		<10	<10								
N-Nitrosodi-n-butylamine	March-12	ug/l														<10	<10								
N-Nitrosodi-n-butylamine	December-14	ug/l															<10.2								
N-Nitrosodi-n-butylamine	October-16	ug/l													<0.302										
N-Nitrosodi-n-butylamine	November-16	ug/l						<0.29	**2.83J**	**1.69J**						<0.326	<0.322								
N-Nitrosodi-n-butylamine	October-17	ug/L					<0.305																		
N-Nitrosodi-n-butylamine	December-17	ug/L				<0.309					<0.302								<0.302		<0.302				
N-Nitrosodi-n-butylamine	July-18	ug/L			<0.293							<0.302													
N-Nitrosodi-n-butylamine	November-18	ug/L			<0.299							<0.302													
N-Nitrosodi-n-butylamine	May-19	ug/L																		<0.293					
N-Nitrosodi-n-butylamine	October-21	ug/L						<0.526	<0.526	<0.510						<0.521	<0.526								
N-Nitrosodi-n-butylamine	December-21	ug/L																<0.526							
N-Nitrosodi-n-butylamine	October-22	ug/L				<3.31	<3.31				<3.31								<3.31		<3.42				
N-Nitrosodi-n-propylamine	March-09	ug/l					<10	<10	<10																
N-Nitrosodi-n-propylamine	June-09	ug/l				<10	<10	<10	<10	<10			<10												
N-Nitrosodi-n-propylamine	September-09	ug/l				<10	<10	<10	<10	<10			<10												
N-Nitrosodi-n-propylamine	December-09	ug/l				<10	<10	<10	<10	<10			<10												
N-Nitrosodi-n-propylamine	March-10	ug/l				<10				<10			<10												
N-Nitrosodi-n-propylamine	June-10	ug/l									<10														
N-Nitrosodi-n-propylamine	August-10	ug/l									<10	<10													
N-Nitrosodi-n-propylamine	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
N-Nitrosodi-n-propylamine	December-10	ug/l									<10														
N-Nitrosodi-n-propylamine	March-11	ug/l										<10		<10											
N-Nitrosodi-n-propylamine	June-11	ug/l										<10		<10		<10	<10								
N-Nitrosodi-n-propylamine	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
N-Nitrosodi-n-propylamine	December-11	ug/l												<10		<10	<10								
N-Nitrosodi-n-propylamine	March-12	ug/l														<10	<10								
N-Nitrosodi-n-propylamine	December-14	ug/l															<10.2								
N-Nitrosodi-n-propylamine	October-16	ug/l													<0.271										
N-Nitrosodi-n-propylamine	November-16	ug/l						<0.26	<0.26	<0.283						<0.292	<0.289								
N-Nitrosodi-n-propylamine	October-17	ug/L					<0.274																		
N-Nitrosodi-n-propylamine	December-17	ug/L				<0.277					<0.271								<0.271		<0.271				
N-Nitrosodi-n-propylamine	July-18	ug/L			<0.263							<0.271													
N-Nitrosodi-n-propylamine	November-18	ug/L			<0.268							<0.271													
N-Nitrosodi-n-propylamine	May-19	ug/L																		<0.263					
N-Nitrosodi-n-propylamine	October-21	ug/L						<1.05	<1.05	<1.02						<1.04	<1.05								
N-Nitrosodi-n-propylamine	December-21	ug/L																<1.05							

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Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
N-Nitrosodi-n-propylamine	October-22	ug/L				<0.780	<0.780				<0.780								<0.780		<0.807				
N-Nitrosodiethylamine	March-09	ug/l					<10	<10	<10																
N-Nitrosodiethylamine	June-09	ug/l				<10	<10	<10	<10	<10			<10												
N-Nitrosodiethylamine	September-09	ug/l				<10	<10	<10	<10	<10			<10												
N-Nitrosodiethylamine	December-09	ug/l				<10	<10	<10	<10	<10			<10												
N-Nitrosodiethylamine	March-10	ug/l				<10				<10			<10												
N-Nitrosodiethylamine	June-10	ug/l									<10														
N-Nitrosodiethylamine	August-10	ug/l									<10	<10													
N-Nitrosodiethylamine	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
N-Nitrosodiethylamine	December-10	ug/l									<10														
N-Nitrosodiethylamine	March-11	ug/l										<10		<10											
N-Nitrosodiethylamine	June-11	ug/l										<10		<10		<10	<10								
N-Nitrosodiethylamine	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
N-Nitrosodiethylamine	December-11	ug/l												<10		<10	<10								
N-Nitrosodiethylamine	March-12	ug/l														<10	<10								
N-Nitrosodiethylamine	December-14	ug/l															<10.2								
N-Nitrosodiethylamine	October-16	ug/l													<0.313										
N-Nitrosodiethylamine	November-16	ug/l						<0.3	<0.3	<0.326						<0.337	<0.333								
N-Nitrosodiethylamine	October-17	ug/L					<0.316																		
N-Nitrosodiethylamine	December-17	ug/L				<0.319					<0.313								<0.313		<0.313				
N-Nitrosodiethylamine	July-18	ug/L			<0.303							<0.313													
N-Nitrosodiethylamine	November-18	ug/L			<0.309							<0.313													
N-Nitrosodiethylamine	May-19	ug/L																		<0.303					
N-Nitrosodiethylamine	October-21	ug/L						<0.526	<0.526	<0.510						<0.521	<0.526								
N-Nitrosodiethylamine	December-21	ug/L																<0.526							
N-Nitrosodiethylamine	October-22	ug/L				<2.88	<2.88				<2.88								<2.88		<2.98				
N-Nitrosodimethylamine	March-09	ug/l					<10	<10	<10																
N-Nitrosodimethylamine	June-09	ug/l				<10	<10	<10	<10	<10			<10												
N-Nitrosodimethylamine	September-09	ug/l				<10	<10	<10	<10	<10			<10												
N-Nitrosodimethylamine	December-09	ug/l				<10	<10	<10	<10	<10			<10												
N-Nitrosodimethylamine	March-10	ug/l				<10				<10			<10												
N-Nitrosodimethylamine	June-10	ug/l									<10														
N-Nitrosodimethylamine	August-10	ug/l									<10	<10													
N-Nitrosodimethylamine	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
N-Nitrosodimethylamine	December-10	ug/l									<10														
N-Nitrosodimethylamine	March-11	ug/l										<10		<10											
N-Nitrosodimethylamine	June-11	ug/l										<10		<10		<10	<10								
N-Nitrosodimethylamine	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
N-Nitrosodimethylamine	December-11	ug/l												<10		<10	<10								
N-Nitrosodimethylamine	March-12	ug/l														<10	<10								
N-Nitrosodimethylamine	December-14	ug/l															<10.2								
N-Nitrosodimethylamine	October-16	ug/l													<0.146										
N-Nitrosodimethylamine	November-16	ug/l						<0.14	<0.14	<0.152						<0.157	<0.156								
N-Nitrosodimethylamine	October-17	ug/L					<0.147																		
N-Nitrosodimethylamine	December-17	ug/L				<0.149					<0.146								<0.146		<0.146				
N-Nitrosodimethylamine	July-18	ug/L			<0.192							<0.198													
N-Nitrosodimethylamine	November-18	ug/L			<0.196							<0.198													
N-Nitrosodimethylamine	May-19	ug/L																		<0.192					
N-Nitrosodimethylamine	October-21	ug/L						<0.958	<0.958	<0.929						<0.948	<0.958								
N-Nitrosodimethylamine	December-21	ug/L																<0.958							
N-Nitrosodimethylamine	October-22	ug/L				<0.610	<0.610				<0.610								<0.610		<0.632				
N-Nitrosodiphenylamine	March-09	ug/l					<10	<10	<10																
N-Nitrosodiphenylamine	June-09	ug/l				<10	<10	<10	<10	<10			<10												
N-Nitrosodiphenylamine	September-09	ug/l				<10	<10	<10	<10	<10			<10												
N-Nitrosodiphenylamine	December-09	ug/l				<10	<10	<10	<10	<10			<10												
N-Nitrosodiphenylamine	March-10	ug/l				<10				<10			<10												
N-Nitrosodiphenylamine	June-10	ug/l									<10														
N-Nitrosodiphenylamine	August-10	ug/l									<10	<10													
N-Nitrosodiphenylamine	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
N-Nitrosodiphenylamine	December-10	ug/l									<10														
N-Nitrosodiphenylamine	March-11	ug/l										<10		<10											
N-Nitrosodiphenylamine	June-11	ug/l										<10		<10		<10	<10								
N-Nitrosodiphenylamine	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
N-Nitrosodiphenylamine	December-11	ug/l												<10		<10	<10								
N-Nitrosodiphenylamine	March-12	ug/l														<10	<10								

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Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
N-Nitrosodiphenylamine	December-14	ug/l															<10.2								
N-Nitrosodiphenylamine	October-16	ug/l													<0.688										
N-Nitrosodiphenylamine	November-16	ug/l						<0.66	<0.66	<0.717						<0.742	<0.733								
N-Nitrosodiphenylamine	October-17	ug/L					<0.695																		
N-Nitrosodiphenylamine	December-17	ug/L				<0.702					<0.688								<0.688		<0.688				
N-Nitrosodiphenylamine	July-18	ug/L			<0.667							<0.688													
N-Nitrosodiphenylamine	November-18	ug/L			<0.680							<0.688													
N-Nitrosodiphenylamine	May-19	ug/L																		<0.667					
N-Nitrosodiphenylamine	October-21	ug/L						<1.00	<1.00	<0.969						<0.990	<1.00								
N-Nitrosodiphenylamine	December-21	ug/L																<1.00							
N-Nitrosodiphenylamine	October-22	ug/L				<0.636	<0.636				<0.636								<0.636		<0.658				
N-Nitrosomethylethylamine	March-09	ug/l					<10	<10	<10																
N-Nitrosomethylethylamine	June-09	ug/l				<10	<10	<10	<10	<10			<10												
N-Nitrosomethylethylamine	September-09	ug/l				<10	<10	<10	<10	<10			<10												
N-Nitrosomethylethylamine	December-09	ug/l				<10	<10	<10	<10	<10			<10												
N-Nitrosomethylethylamine	March-10	ug/l				<10				<10			<10												
N-Nitrosomethylethylamine	June-10	ug/l									<10														
N-Nitrosomethylethylamine	August-10	ug/l									<10	<10													
N-Nitrosomethylethylamine	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
N-Nitrosomethylethylamine	December-10	ug/l									<10														
N-Nitrosomethylethylamine	March-11	ug/l										<10		<10											
N-Nitrosomethylethylamine	June-11	ug/l										<10		<10		<10	<10								
N-Nitrosomethylethylamine	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
N-Nitrosomethylethylamine	December-11	ug/l												<10		<10	<10								
N-Nitrosomethylethylamine	March-12	ug/l														<10	<10								
N-Nitrosomethylethylamine	December-14	ug/l															<10.2								
N-Nitrosomethylethylamine	October-16	ug/l													<0.208										
N-Nitrosomethylethylamine	November-16	ug/l						<0.2	<0.2	<0.217						<0.225	<0.222								
N-Nitrosomethylethylamine	October-17	ug/L					<0.211																		
N-Nitrosomethylethylamine	December-17	ug/L				<0.213					<0.208								<0.208		<0.208				
N-Nitrosomethylethylamine	July-18	ug/L			<0.202							<0.208													
N-Nitrosomethylethylamine	November-18	ug/L			<0.206							<0.208													
N-Nitrosomethylethylamine	May-19	ug/L																		<0.202					
N-Nitrosomethylethylamine	October-21	ug/L						<1.37	<1.37	<1.33						<1.35	<1.37								
N-Nitrosomethylethylamine	December-21	ug/L																<1.37							
N-Nitrosomethylethylamine	October-22	ug/L				<4.15	<4.15				<4.15								<4.15		<4.30				
N-Nitrosopiperidine	March-09	ug/l					<10	<10	<10																
N-Nitrosopiperidine	June-09	ug/l				<10	<10	<10	<10	<10			<10												
N-Nitrosopiperidine	September-09	ug/l				<10	<10	<10	<10	<10			<10												
N-Nitrosopiperidine	December-09	ug/l				<10	<10	<10	<10	<10			<10												
N-Nitrosopiperidine	March-10	ug/l				<10				<10			<10												
N-Nitrosopiperidine	June-10	ug/l									<10														
N-Nitrosopiperidine	August-10	ug/l									<10	<10													
N-Nitrosopiperidine	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
N-Nitrosopiperidine	December-10	ug/l									<10														
N-Nitrosopiperidine	March-11	ug/l										<10		<10											
N-Nitrosopiperidine	June-11	ug/l										<10		<10		<10	<10								
N-Nitrosopiperidine	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
N-Nitrosopiperidine	December-11	ug/l												<10		<10	<10								
N-Nitrosopiperidine	March-12	ug/l														<10	<10								
N-Nitrosopiperidine	December-14	ug/l															<10.2								
N-Nitrosopiperidine	October-16	ug/l													<0.156										
N-Nitrosopiperidine	November-16	ug/l						<0.15	<0.15	<0.163						<0.169	<0.167								
N-Nitrosopiperidine	October-17	ug/L					<0.158																		
N-Nitrosopiperidine	December-17	ug/L				<0.160					<0.156								<0.156		<0.156				
N-Nitrosopiperidine	July-18	ug/L			<0.152							<0.156													
N-Nitrosopiperidine	November-18	ug/L			<0.155							<0.156													
N-Nitrosopiperidine	May-19	ug/L																		<0.152					
N-Nitrosopiperidine	October-21	ug/L						<0.526	<0.526	<0.510						<0.521	<0.526								
N-Nitrosopiperidine	December-21	ug/L																<0.526							
N-Nitrosopiperidine	October-22	ug/L				<2.29	<2.29				<2.29								<2.29		<2.37				
N-Nitrosopyrrolidine	March-09	ug/l					<10	<10	<10																
N-Nitrosopyrrolidine	June-09	ug/l				<10	<10	<10	<10	<10			<10												
N-Nitrosopyrrolidine	September-09	ug/l				<10	<10	<10	<10	<10			<10												
N-Nitrosopyrrolidine	December-09	ug/l				<10	<10	<10	<10	<10			<10												

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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
N-Nitrosopyrrolidine	March-10	ug/l				<10				<10			<10												
N-Nitrosopyrrolidine	June-10	ug/l									<10														
N-Nitrosopyrrolidine	August-10	ug/l									<10	<10													
N-Nitrosopyrrolidine	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
N-Nitrosopyrrolidine	December-10	ug/l									<10														
N-Nitrosopyrrolidine	March-11	ug/l										<10		<10											
N-Nitrosopyrrolidine	June-11	ug/l										<10		<10		<10	<10								
N-Nitrosopyrrolidine	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
N-Nitrosopyrrolidine	December-11	ug/l												<10		<10	<10								
N-Nitrosopyrrolidine	March-12	ug/l														<10	<10								
N-Nitrosopyrrolidine	December-14	ug/l															<10.2								
N-Nitrosopyrrolidine	October-16	ug/l													<0.24										
N-Nitrosopyrrolidine	November-16	ug/l						<0.23		<0.25						<0.258	<0.256								
N-Nitrosopyrrolidine	October-17	ug/L					<0.242																		
N-Nitrosopyrrolidine	December-17	ug/L				<0.245					<0.240								<0.240		<0.240				
N-Nitrosopyrrolidine	July-18	ug/L			<0.232							<0.240													
N-Nitrosopyrrolidine	November-18	ug/L			<0.237							<0.240													
N-Nitrosopyrrolidine	May-19	ug/L																		<0.232					
N-Nitrosopyrrolidine	October-21	ug/L						<0.526	<0.526	<0.510						<0.521	<0.526								
N-Nitrosopyrrolidine	December-21	ug/L																<0.526							
N-Nitrosopyrrolidine	October-22	ug/L				<3.05	<3.05				<3.05								<3.05		<3.16				
Naphthalene	March-09	ug/l					<5	<5	<5																
Naphthalene	June-09	ug/l				<25	<5	<5	<5	<5			<5												
Naphthalene	September-09	ug/l				<5	<5	<5	<5	<5			<5												
Naphthalene	December-09	ug/l				<5	<5	<5	<5	<5			<5												
Naphthalene	March-10	ug/l				<5	<5	<5	<5	<5			<5												
Naphthalene	June-10	ug/l									<5														
Naphthalene	August-10	ug/l									<5	<5													
Naphthalene	September-10	ug/l				<5	<5	<5	<5	<5	<5	<5	<5												
Naphthalene	December-10	ug/l									<5														
Naphthalene	March-11	ug/l				<5	<5	<5	<50	<5	<5	<5	<5	<5											
Naphthalene	April-11	ug/l				<5		<5	<50	<5							<5								
Naphthalene	June-11	ug/l										<5		<5		<5	<5								
Naphthalene	September-11	ug/l				<5	<5	<5	<50	<5	<5		<5	<5		<5	<5								
Naphthalene	December-11	ug/l												<5		<5	<5								
Naphthalene	March-12	ug/l											<5			<5	<5								
Naphthalene	December-14	ug/l															<5								
Naphthalene	October-16	ug/l													<0.37										
Naphthalene	November-16	ug/l						<0.37	<0.37	<0.37						<0.37	<0.37								
Naphthalene	October-17	ug/L					<0.370																		
Naphthalene	December-17	ug/L				<0.370					<0.370								<0.370		<0.370				
Naphthalene	July-18	ug/L			<3.00							<3.00													
Naphthalene	November-18	ug/L			<3.00							<3.00													
Naphthalene	May-19	ug/L																		<3.00					
Naphthalene	October-21	ug/L						<3.00	<3.00	<3.00						<3.00	<3.00								
Naphthalene	December-21	ug/L																<3.00							
Naphthalene	October-22	ug/L				<3.00	<3.00				<3.00								<3.00		<3.00				
Nickel	January-08	mg/l				<0.05	<0.05	<0.05	<0.05	<0.05	**0.0551**	<0.05	<0.05	<0.05											
Nickel	March-08	mg/l				<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05											
Nickel	August-08	mg/l				<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05											
Nickel	September-08	mg/l				<0.05	<0.05	<0.05	**0.0546**	<0.05	<0.05	<0.05	<0.05	<0.05											
Nickel	October-08	mg/l				<0.05	**0.0525**	<0.05	**0.0562**	<0.05	<0.05	<0.05	<0.05	<0.05											
Nickel	March-09	mg/l				<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05											
Nickel	June-09	mg/l				<0.05	<0.05	<0.05	**0.0565**	<0.05			<0.05												
Nickel	September-09	mg/l				<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05											
Nickel	December-09	mg/l				<0.05	<0.05	<0.05	<0.05	<0.05			<0.05												
Nickel	March-10	mg/l				<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05											
Nickel	June-10	mg/l									<0.05					<0.05	<0.05	<0.05	<0.05	<0.05					
Nickel	August-10	mg/l									<0.05	<0.05				<0.05	<0.05	<0.05	<0.05	<0.05					
Nickel	September-10	mg/l				<0.05	<0.05	<0.05	**0.0573**	<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05					
Nickel	December-10	mg/l									<0.05					<0.05	<0.05	<0.05	<0.05	<0.05					
Nickel	March-11	mg/l		<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05					
Nickel	June-11	mg/l		<0.05								<0.05		<0.05		<0.05	<0.05								
Nickel	July-11	mg/l	<0.05																						
Nickel	August-11	mg/l		<0.05																					

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Nickel	September-11	mg/l	<0.05	<0.05		<0.05	<0.05	<0.05	0.0536	<0.05	<0.05		<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05					
Nickel	December-11	mg/l	<0.05	<0.05										<0.05		<0.05	<0.05								
Nickel	March-12	mg/l	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05					
Nickel	April-12	mg/l													0.246										
Nickel	June-12	mg/l													0.117										
Nickel	October-12	mg/l	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05			<0.05	<0.05	<0.05	<0.05	<0.05		<0.05						
Nickel	March-13	mg/l	0.0203J	<0.05		<0.05	0.0303J	0.0362J	0.0413J	<0.05	0.00365J		0.016J	<0.05	0.0712	0.0626	<0.05	0.00727J	0.0474J						
Nickel	June-13	mg/l																			0.007J				
Nickel	September-13	mg/l	0.0338J	<0.05		<0.05	0.0609	0.0275J	0.031J	0.0181J	<0.05		0.017J	<0.05	0.0565	<0.05	0.018J	0.0795	0.0111J	<0.05	0.0193J				
Nickel	November-13	mg/l																			0.0133J				
Nickel	March-14	mg/l	0.046J	0.00797J		<0.05	0.0689	0.0382J	0.0318J	0.0341J	0.0222J	0.00995J	0.0275J	0.00885J	0.0168J	0.0344J	0.024J	0.0234J	0.0261J		0.0111J				
Nickel	June-14	mg/l																		<0.05	<0.05				
Nickel	September-14	mg/l	0.0466	<0.005		0.00321J	0.0213	0.0265	0.0261	0.0299	0.0318	0.00631	0.0254	0.0057	0.00594	0.0274	0.0141	0.0152	0.0219	0.00207J	0.0061				
Nickel	December-14	mg/l															0.0183								
Nickel	April-15	mg/l	0.0462	0.00155J		0.00231J	0.0327	0.02	0.0204	0.0317	0.0355	0.00606			0.00391J	0.00523	0.0174	0.028	0.0187	0.00156J	0.00449J				
Nickel	October-15	mg/l	0.0588	0.000967J		0.0078	0.0273	0.0296	0.0278	0.0352	0.0446				0.00103J	0.032	0.0153	0.00801	0.0154	0.00215J	0.00384J				
Nickel	April-16	mg/l	0.044	<0.00153		0.00455J	0.0148	0.0413	0.0155	0.0486	0.047	0.00613			<0.00153	0.0136	0.0154	0.00578	0.00941	0.00243J	0.00197J				
Nickel	October-16	mg/l													<0.00153										
Nickel	November-16	mg/l	0.0508	<0.00153		0.00537	0.0188	0.0265	0.0168	0.0353	0.0456	0.0071				0.0279	0.0116	0.0146	0.0126	0.00339J	0.00328J				
Nickel	March-17	mg/l	0.0629	0.00618		0.00674	0.0242	0.0401	0.0126	0.0335	0.0449	0.00856			<0.000929	0.0144	0.0129	0.0202	0.00665	0.00185J	0.00273J				
Nickel	June-17	mg/l	0.0576	0.00392J		0.00737	0.0168				0.0481	0.00817						0.00377J	0.00835						
Nickel	October-17	mg/L	0.0527	0.00197J		0.00592	0.0293	0.0449	0.0171	0.035	0.0449				<0.000929	0.0147	0.0112	0.00242J	0.00846	0.0023J	0.00185J				
Nickel	December-17	mg/L				0.00686					0.0487								0.0106		0.00168J				
Nickel	April-18	mg/L	0.0568	0.00528		0.00635	0.0188	0.0443	0.00997	0.0291	0.0263	0.0099			0.00508	0.0153	0.00439J	0.00268J	0.00817	<0.00100	<0.00100				
Nickel	July-18	mg/L			0.00295J							0.00994													
Nickel	October-18	mg/L	0.0543	0.00148J		0.00533	0.0151		0.0432						0.00296J		0.00405J								
Nickel	November-18	mg/L			<0.00100			0.0342		0.031	0.0511	0.00972				0.0141		0.00227J	0.0102	0.0125	0.00203J				
Nickel	January-19	mg/L			<0.00100															0.00419J					
Nickel	March-19	mg/L	0.0542	0.00439J	<0.00170	0.00778	0.0127	0.0286	0.0282	0.0369	0.052	0.00256J			<0.00170	0.00602	0.00758	0.00328J	0.00959	0.00573	<0.00170				
Nickel	May-19	mg/L			0.00169J															0.0064					
Nickel	October-19	mg/L	0.0474	<0.00170	<0.00170	0.00844	0.0114	0.0221	0.0128	0.0285	0.0377	0.00672			<0.00170	0.0125	0.00728	<0.00170	0.0164	0.00534	0.00174J				
Nickel	March-20	mg/L	0.0422	0.0078		0.0088	0.00831	0.0294	0.0176	0.0382	0.0441	0.00789			<0.00190	0.00635	0.00796	<0.00190	0.00895		<0.00190				
Nickel	April-20	mg/L			<0.00190															0.00593					
Nickel	September-20	mg/L	0.0464	0.00221J	<0.00190		0.0102	0.0217	0.03	0.0366	0.0482	0.00783			<0.00190	0.00829	0.00906	0.00201J	0.013	0.0103	0.00242J				
Nickel	October-20	mg/L				0.011																			
Nickel	November-20	mg/L	0.0443																						
Nickel	December-20	mg/L	0.0478																						
Nickel	March-21	mg/L		0.00619	<0.00190	0.00718	0.0116	0.0275	0.0287	0.0348					<0.00190	0.00241J	0.00699				<0.00190				
Nickel	April-21	mg/L	0.0483								0.0344	0.0121						0.054	0.00452J	0.01					
Nickel	May-21	mg/L																0.0219							
Nickel	August-21	mg/L																							
Nickel	October-21	mg/L	0.039	<0.00190	<0.00190	0.00980	0.0222	0.0144	0.033	0.0346	0.04	0.00859			0.00561	0.00704	0.012	0.0693	<0.00190	0.003J	0.00225J				
Nickel	December-21	mg/L																0.0452							
Nickel	February-22	mg/L	0.0236																						0.00199J
Nickel	April-22	mg/L	0.044	0.0077	<0.00190	0.00401J	0.0167	0.0282	0.019	0.036	0.0306	0.013			<0.00190	<0.00190	0.00594	0.0813	<0.00190	0.00858	<0.00190				<0.00190
Nickel	July-22	mg/L																							<0.00190
Nickel	October-22	mg/L	0.0433	0.00627	<0.00190	0.00843	0.0157	0.0205	0.0276	0.0313	0.0343				0.00425J	0.011	0.00748	0.0555	0.00238J	0.00336J	0.00285J				<0.00190
Nickel	April-23	mg/L	0.0478	0.00971	<0.00190	0.0096	0.0177	0.0242	0.0225	0.0342	0.0207	0.0437			0.00282J	0.00222J	0.00333J	0.0818	<0.00190	0.00506	0.00232J				<0.00190
Nickel	May-23	mg/L																							
Nickel	October-23	mg/L	0.0491	0.00358J	0.00257J	0.00867	0.0246	0.0198	0.0296	0.0334	0.0223				<0.00190	0.0205	0.00816	0.0613	<0.00190	<0.00190	0.00325J				<0.00190
Nickel, Dissolved	December-20	mg/L	0.0486																						
Nitrate Nitrite as N	February-22	mg/L	<0.0260																						<0.0260
Nitrobenzene	March-09	ug/l					<10	<10	<10																
Nitrobenzene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Nitrobenzene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Nitrobenzene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Nitrobenzene	March-10	ug/l				<10				<10			<10												
Nitrobenzene	June-10	ug/l									<10														
Nitrobenzene	August-10	ug/l									<10	<10													
Nitrobenzene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Nitrobenzene	December-10	ug/l									<10														
Nitrobenzene	March-11	ug/l										<10		<10											
Nitrobenzene	June-11	ug/l										<10		<10		<10	<10								
Nitrobenzene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Nitrobenzene	December-11	ug/l												<10		<10	<10								

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Nitrobenzene	March-12	ug/l														<10	<10								
Nitrobenzene	December-14	ug/l															<10.2								
Nitrobenzene	October-16	ug/l													<0.229										
Nitrobenzene	November-16	ug/l						<0.22	<0.22	<0.239						<0.247	<0.244								
Nitrobenzene	October-17	ug/L					<0.232																		
Nitrobenzene	December-17	ug/L				<0.234					<0.229								<0.229		<0.229				
Nitrobenzene	July-18	ug/L			<0.303							<0.313													
Nitrobenzene	November-18	ug/L			<0.309							<0.313													
Nitrobenzene	May-19	ug/L																		<0.303					
Nitrobenzene	October-21	ug/L						<1.16	<1.16	<1.12						<1.15	<1.16								
Nitrobenzene	December-21	ug/L																<1.16							
Nitrobenzene	October-22	ug/L				<0.678	<0.678				<0.678								<0.678		<0.702				
PCB-1016	March-09	ug/l					<0.8	<0.8	<0.8																
PCB-1016	June-09	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8			<0.8												
PCB-1016	September-09	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8			<0.8												
PCB-1016	December-09	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8			<0.8												
PCB-1016	March-10	ug/l				<0.8				<0.8			<0.8												
PCB-1016	June-10	ug/l									<0.8														
PCB-1016	August-10	ug/l									<0.8	<0.8													
PCB-1016	September-10	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8												
PCB-1016	December-10	ug/l									<0.8														
PCB-1016	March-11	ug/l										<0.8		<0.8											
PCB-1016	June-11	ug/l										<0.8		<0.8		<0.8	<0.8								
PCB-1016	September-11	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8	<0.8		<0.8	<0.8		<0.8	<0.8								
PCB-1016	December-11	ug/l												<0.8		<0.8	<0.8								
PCB-1016	March-12	ug/l														<0.8	<0.8								
PCB-1016	December-14	ug/l															<0.816								
PCB-1016	October-16	ug/l													<0.0438										
PCB-1016	November-16	ug/l						<0.0467	<0.0467	<0.0467						<0.0472	<0.0438								
PCB-1016	October-17	ug/L					<0.0438																		
PCB-1016	December-17	ug/L				<0.0472					<0.0457								<0.0457		<0.0457				
PCB-1016	July-18	ug/L			<0.0438							<0.0438													
PCB-1016	November-18	ug/L			<0.0452							<0.0434													
PCB-1016	May-19	ug/L																		<0.0438					
PCB-1016	October-21	ug/L						<0.274	<0.274	<0.274						<0.274	<0.274								
PCB-1016	December-21	ug/L																<0.274							
PCB-1016	October-22	ug/L				<0.144	<0.149				<0.144								<0.155		<0.144				
PCB-1221	March-09	ug/l					<0.8	<0.8	<0.8																
PCB-1221	June-09	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8			<0.8												
PCB-1221	September-09	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8			<0.8												
PCB-1221	December-09	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8			<0.8												
PCB-1221	March-10	ug/l				<0.8				<0.8			<0.8												
PCB-1221	June-10	ug/l									<0.8														
PCB-1221	August-10	ug/l									<0.8	<0.8													
PCB-1221	September-10	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8												
PCB-1221	December-10	ug/l									<0.8														
PCB-1221	March-11	ug/l										<0.8		<0.8											
PCB-1221	June-11	ug/l										<0.8		<0.8		<0.8	<0.8								
PCB-1221	September-11	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8	<0.8		<0.8	<0.8		<0.8	<0.8								
PCB-1221	December-11	ug/l												<0.8		<0.8	<0.8								
PCB-1221	March-12	ug/l														<0.8	<0.8								
PCB-1221	December-14	ug/l															<0.816								
PCB-1221	October-16	ug/l													<0.162										
PCB-1221	November-16	ug/l						<0.172	<0.172	<0.172						<0.174	<0.162								
PCB-1221	October-17	ug/L					<0.162																		
PCB-1221	December-17	ug/L				<0.174					<0.168								<0.168		<0.168				
PCB-1221	July-18	ug/L			<0.162							<0.162													
PCB-1221	November-18	ug/L			<0.167							<0.160													
PCB-1221	May-19	ug/L																		<0.162					
PCB-1221	October-21	ug/L						<0.274	<0.274	<0.274						<0.274	<0.274								
PCB-1221	December-21	ug/L																<0.274							
PCB-1221	October-22	ug/L				<0.144	<0.149				<0.144								<0.155		<0.144				
PCB-1232	March-09	ug/l					<0.8	<0.8	<0.8																
PCB-1232	June-09	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8			<0.8												
PCB-1232	September-09	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8			<0.8												

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
PCB-1232	December-09	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8			<0.8												
PCB-1232	March-10	ug/l				<0.8				<0.8			<0.8												
PCB-1232	June-10	ug/l									<0.8														
PCB-1232	August-10	ug/l									<0.8	<0.8													
PCB-1232	September-10	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8												
PCB-1232	December-10	ug/l									<0.8														
PCB-1232	March-11	ug/l										<0.8		<0.8											
PCB-1232	June-11	ug/l										<0.8		<0.8		<0.8	<0.8								
PCB-1232	September-11	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8	<0.8		<0.8	<0.8		<0.8	<0.8								
PCB-1232	December-11	ug/l												<0.8		<0.8	<0.8								
PCB-1232	March-12	ug/l														<0.8	<0.8								
PCB-1232	December-14	ug/l															<0.816								
PCB-1232	October-16	ug/l													<0.111										
PCB-1232	November-16	ug/l						<0.118	<0.118	<0.118						<0.12	<0.111								
PCB-1232	October-17	ug/L					<0.111																		
PCB-1232	December-17	ug/L				<0.120					<0.116								<0.116		<0.116				
PCB-1232	July-18	ug/L			<0.111							<0.111													
PCB-1232	November-18	ug/L			<0.115							<0.110													
PCB-1232	May-19	ug/L																		<0.111					
PCB-1232	October-21	ug/L						<0.274	<0.274	<0.274						<0.274	<0.274								
PCB-1232	December-21	ug/L																<0.274							
PCB-1232	October-22	ug/L				<0.144	<0.149				<0.144								<0.155		<0.144				
PCB-1242	March-09	ug/l					<0.8	<0.8	<0.8																
PCB-1242	June-09	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8			<0.8												
PCB-1242	September-09	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8			<0.8												
PCB-1242	December-09	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8			<0.8												
PCB-1242	March-10	ug/l				<0.8				<0.8			<0.8												
PCB-1242	June-10	ug/l									<0.8														
PCB-1242	August-10	ug/l									<0.8	<0.8													
PCB-1242	September-10	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8												
PCB-1242	December-10	ug/l									<0.8														
PCB-1242	March-11	ug/l										<0.8		<0.8											
PCB-1242	June-11	ug/l										<0.8		<0.8		<0.8	<0.8								
PCB-1242	September-11	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8	<0.8		<0.8	<0.8		<0.8	<0.8								
PCB-1242	December-11	ug/l												<0.8		<0.8	<0.8								
PCB-1242	March-12	ug/l														<0.8	<0.8								
PCB-1242	December-14	ug/l															<0.816								
PCB-1242	October-16	ug/l													<0.131										
PCB-1242	November-16	ug/l						<0.14	<0.14	<0.14						<0.141	<0.131								
PCB-1242	October-17	ug/L					<0.131																		
PCB-1242	December-17	ug/L				<0.141					<0.137								<0.137		<0.137				
PCB-1242	July-18	ug/L			<0.131							<0.131													
PCB-1242	November-18	ug/L			<0.135							<0.130													
PCB-1242	May-19	ug/L																		<0.131					
PCB-1242	October-21	ug/L						<0.274	<0.274	<0.274						<0.274	<0.274								
PCB-1242	December-21	ug/L																<0.274							
PCB-1242	October-22	ug/L				<0.144	<0.149				<0.144								<0.155		<0.144				
PCB-1248	March-09	ug/l					<0.8	<0.8	<0.8																
PCB-1248	June-09	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8			<0.8												
PCB-1248	September-09	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8			<0.8												
PCB-1248	December-09	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8			<0.8												
PCB-1248	March-10	ug/l				<0.8				<0.8			<0.8												
PCB-1248	June-10	ug/l									<0.8														
PCB-1248	August-10	ug/l									<0.8	<0.8													
PCB-1248	September-10	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8												
PCB-1248	December-10	ug/l									<0.8														
PCB-1248	March-11	ug/l										<0.8		<0.8											
PCB-1248	June-11	ug/l										<0.8		<0.8		<0.8	<0.8								
PCB-1248	September-11	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8	<0.8		<0.8	<0.8		<0.8	<0.8								
PCB-1248	December-11	ug/l												<0.8		<0.8	<0.8								
PCB-1248	March-12	ug/l														<0.8	<0.8								
PCB-1248	December-14	ug/l															<0.816								
PCB-1248	October-16	ug/l													<0.111										
PCB-1248	November-16	ug/l						<0.118	<0.118	<0.118						<0.12	<0.111								
PCB-1248	October-17	ug/L					<0.111																		

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
PCB-1248	December-17	ug/L				<0.120					<0.116								<0.116		<0.116				
PCB-1248	July-18	ug/L			<0.111							<0.111													
PCB-1248	November-18	ug/L			<0.115							<0.110													
PCB-1248	May-19	ug/L																		<0.111					
PCB-1248	October-21	ug/L						<0.221	<0.221	<0.221						<0.221	<0.221								
PCB-1248	December-21	ug/L																<0.221							
PCB-1248	October-22	ug/L				<0.0932	<0.0965				<0.0932								<0.100		<0.0932				
PCB-1254	March-09	ug/l					<0.8	<0.8	<0.8																
PCB-1254	June-09	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8			<0.8												
PCB-1254	September-09	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8			<0.8												
PCB-1254	December-09	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8			<0.8												
PCB-1254	March-10	ug/l				<0.8				<0.8			<0.8												
PCB-1254	June-10	ug/l									<0.8														
PCB-1254	August-10	ug/l									<0.8	<0.8													
PCB-1254	September-10	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8												
PCB-1254	December-10	ug/l									<0.8														
PCB-1254	March-11	ug/l										<0.8		<0.8											
PCB-1254	June-11	ug/l										<0.8		<0.8		<0.8	<0.8								
PCB-1254	September-11	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8	<0.8		<0.8	<0.8		<0.8	<0.8								
PCB-1254	December-11	ug/l												<0.8		<0.8	<0.8								
PCB-1254	March-12	ug/l														<0.8	<0.8								
PCB-1254	December-14	ug/l															<0.816								
PCB-1254	October-16	ug/l													<0.0929										
PCB-1254	November-16	ug/l						<0.0989	<0.0989	<0.0989						<0.1	<0.0929								
PCB-1254	October-17	ug/L					<0.0929																		
PCB-1254	December-17	ug/L				<0.100					<0.0968								<0.0968		<0.0968				
PCB-1254	July-18	ug/L			<0.0929							<0.0929													
PCB-1254	November-18	ug/L			<0.0958							<0.0920													
PCB-1254	May-19	ug/L																		<0.0929					
PCB-1254	October-21	ug/L						<0.221	<0.221	<0.221						<0.221	<0.221								
PCB-1254	December-21	ug/L																<0.221							
PCB-1254	October-22	ug/L				<0.0932	<0.0965				<0.0932								<0.100		<0.0932				
PCB-1260	March-09	ug/l					<0.8	<0.8	<0.8																
PCB-1260	June-09	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8			<0.8												
PCB-1260	September-09	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8			<0.8												
PCB-1260	December-09	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8			<0.8												
PCB-1260	March-10	ug/l				<0.8				<0.8			<0.8												
PCB-1260	June-10	ug/l									<0.8														
PCB-1260	August-10	ug/l									<0.8	<0.8													
PCB-1260	September-10	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8												
PCB-1260	December-10	ug/l									<0.8														
PCB-1260	March-11	ug/l										<0.8		<0.8											
PCB-1260	June-11	ug/l										<0.8		<0.8		<0.8	<0.8								
PCB-1260	September-11	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8	<0.8		<0.8	<0.8		<0.8	<0.8								
PCB-1260	December-11	ug/l												<0.8		<0.8	<0.8								
PCB-1260	March-12	ug/l														<0.8	<0.8								
PCB-1260	December-14	ug/l															<0.816								
PCB-1260	October-16	ug/l													<0.0444										
PCB-1260	November-16	ug/l						<0.0473	<0.0473	<0.0473						<0.0478	<0.0444								
PCB-1260	October-17	ug/L					<0.0444																		
PCB-1260	December-17	ug/L				<0.0478					<0.0463								<0.0463		<0.0463				
PCB-1260	July-18	ug/L			<0.0444							<0.0444													
PCB-1260	November-18	ug/L			<0.0458							<0.0440													
PCB-1260	May-19	ug/L																		<0.0444					
PCB-1260	October-21	ug/L						<0.221	<0.221	<0.221						<0.221	<0.221								
PCB-1260	December-21	ug/L																<0.221							
PCB-1260	October-22	ug/L				<0.0932	<0.0965				<0.0932								<0.100		<0.0932				
PCB-1268	March-09	ug/l					<0.8	<0.8	<0.8																
PCB-1268	June-09	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8			<0.8												
PCB-1268	September-09	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8			<0.8												
PCB-1268	December-09	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8			<0.8												
PCB-1268	March-10	ug/l				<0.8				<0.8			<0.8												
PCB-1268	June-10	ug/l									<0.8														
PCB-1268	August-10	ug/l									<0.8	<0.8													
PCB-1268	September-10	ug/l				<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8												

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
PCB-1268	December-10	ug/l									<0.8														
Parathion	March-09	ug/l					<10	<10	<10																
Parathion	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Parathion	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Parathion	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Parathion	March-10	ug/l				<10				<10			<10												
Parathion	June-10	ug/l									<10														
Parathion	August-10	ug/l									<10	<10													
Parathion	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Parathion	December-10	ug/l									<10														
Parathion	March-11	ug/l										<10		<10											
Parathion	June-11	ug/l										<10		<10		<10	<10								
Parathion	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Parathion	December-11	ug/l												<10		<10	<10								
Parathion	March-12	ug/l														<10	<10								
Parathion	December-14	ug/l															<10.2								
Pentachlorobenzene	March-09	ug/l					<10	<10	<10																
Pentachlorobenzene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Pentachlorobenzene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Pentachlorobenzene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Pentachlorobenzene	March-10	ug/l				<10				<10			<10												
Pentachlorobenzene	June-10	ug/l									<10														
Pentachlorobenzene	August-10	ug/l									<10	<10													
Pentachlorobenzene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Pentachlorobenzene	December-10	ug/l									<10														
Pentachlorobenzene	March-11	ug/l										<10		<10											
Pentachlorobenzene	June-11	ug/l										<10		<10		<10	<10								
Pentachlorobenzene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Pentachlorobenzene	December-11	ug/l												<10		<10	<10								
Pentachlorobenzene	March-12	ug/l														<10	<10								
Pentachlorobenzene	December-14	ug/l															<10.2								
Pentachlorobenzene	October-16	ug/l													<0.229										
Pentachlorobenzene	November-16	ug/l						<0.22		<0.239						<0.247	<0.244								
Pentachlorobenzene	October-17	ug/L					<0.232																		
Pentachlorobenzene	December-17	ug/L				<0.234					<0.229								<0.229		<0.229				
Pentachlorobenzene	July-18	ug/L			<0.222							<0.229													
Pentachlorobenzene	November-18	ug/L			<0.227							<0.229													
Pentachlorobenzene	May-19	ug/L																		<0.222					
Pentachlorobenzene	October-21	ug/L						<0.611	<0.611	<0.592						<0.604	<0.611								
Pentachlorobenzene	December-21	ug/L																<0.611							
Pentachlorobenzene	October-22	ug/L				<2.37	<2.37				<2.37								<2.37		<2.46				
Pentachloronitrobenzene	March-09	ug/l					<10	<10	<10																
Pentachloronitrobenzene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Pentachloronitrobenzene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Pentachloronitrobenzene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Pentachloronitrobenzene	March-10	ug/l				<10				<10			<10												
Pentachloronitrobenzene	June-10	ug/l									<10														
Pentachloronitrobenzene	August-10	ug/l									<10	<10													
Pentachloronitrobenzene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Pentachloronitrobenzene	December-10	ug/l									<10														
Pentachloronitrobenzene	March-11	ug/l										<10		<10											
Pentachloronitrobenzene	June-11	ug/l										<10		<10		<10	<10								
Pentachloronitrobenzene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Pentachloronitrobenzene	December-11	ug/l												<10		<10	<10								
Pentachloronitrobenzene	March-12	ug/l														<10	<10								
Pentachloronitrobenzene	December-14	ug/l															<10.2								
Pentachloronitrobenzene	October-16	ug/l													<0.344										
Pentachloronitrobenzene	November-16	ug/l						<0.33	<0.33	<0.359						<0.371	<0.367								
Pentachloronitrobenzene	October-17	ug/L					<0.347																		
Pentachloronitrobenzene	December-17	ug/L				<0.351					<0.344								<0.344		<0.344				
Pentachloronitrobenzene	July-18	ug/L			<0.333							<0.344													
Pentachloronitrobenzene	November-18	ug/L			<0.340							<0.344													
Pentachloronitrobenzene	May-19	ug/L																		<0.333					
Pentachloronitrobenzene	October-21	ug/L						<0.526	<0.526	<0.510						<0.521	<0.526								
Pentachloronitrobenzene	December-21	ug/L																<0.526							

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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Pentachloronitrobenzene	October-22	ug/L				<4.92	<4.92				<4.92								<4.92		<5.09				
Pentachlorophenol	March-09	ug/l					<10	<10	<10																
Pentachlorophenol	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Pentachlorophenol	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Pentachlorophenol	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Pentachlorophenol	March-10	ug/l				<10				<10			<10												
Pentachlorophenol	June-10	ug/l									<10														
Pentachlorophenol	August-10	ug/l									<10	<10													
Pentachlorophenol	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Pentachlorophenol	December-10	ug/l									<10														
Pentachlorophenol	March-11	ug/l										<10		<10											
Pentachlorophenol	June-11	ug/l										<10		<10		<10	<10								
Pentachlorophenol	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Pentachlorophenol	December-11	ug/l												<10		<10	<10								
Pentachlorophenol	March-12	ug/l														<10	<10								
Pentachlorophenol	December-14	ug/l															<10.2								
Pentachlorophenol	October-16	ug/l													<0.25										
Pentachlorophenol	November-16	ug/l						**1.88J**	**1.56J**	<0.261						<0.27	<0.267								
Pentachlorophenol	October-17	ug/L					<0.253																		
Pentachlorophenol	December-17	ug/L				<0.255					<0.250								<0.250		<0.250				
Pentachlorophenol	July-18	ug/L			<2.34							<2.42													
Pentachlorophenol	November-18	ug/L			<2.39							<2.42													
Pentachlorophenol	May-19	ug/L																		<2.34					
Pentachlorophenol	October-21	ug/L						<2.42	<2.42	<2.35						<2.40	<2.42								
Pentachlorophenol	December-21	ug/L																<2.42							
Pentachlorophenol	October-22	ug/L				<8.14	<8.14				<8.14								<8.14		<8.42				
Phenacetin	March-09	ug/l					<10	<10	<10																
Phenacetin	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Phenacetin	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Phenacetin	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Phenacetin	March-10	ug/l				<10				<10			<10												
Phenacetin	June-10	ug/l									<10														
Phenacetin	August-10	ug/l									<10	<10													
Phenacetin	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Phenacetin	December-10	ug/l									<10														
Phenacetin	March-11	ug/l										<10		<10											
Phenacetin	June-11	ug/l										<10		<10		<10	<10								
Phenacetin	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Phenacetin	December-11	ug/l												<10		<10	<10								
Phenacetin	March-12	ug/l														<10	<10								
Phenacetin	December-14	ug/l															<10.2								
Phenacetin	October-16	ug/l													<0.177										
Phenacetin	November-16	ug/l						<0.17	<0.17	<0.185						<0.191	<0.189								
Phenacetin	October-17	ug/L					<0.179																		
Phenacetin	December-17	ug/L				<0.181					<0.177								<0.177		<0.177				
Phenacetin	July-18	ug/L			<0.566							<0.583													
Phenacetin	November-18	ug/L			<0.577							<0.583													
Phenacetin	May-19	ug/L																		<0.566					
Phenacetin	October-21	ug/L						<1.89	<1.89	<1.84						<1.88	<1.89								
Phenacetin	December-21	ug/L																<1.89							
Phenacetin	October-22	ug/L				<1.61	<1.61				<1.61								<1.61		<1.67				
Phenanthrene	March-09	ug/l					<10	<10	<10																
Phenanthrene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Phenanthrene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Phenanthrene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Phenanthrene	March-10	ug/l				<10				<10			<10												
Phenanthrene	June-10	ug/l									<10														
Phenanthrene	August-10	ug/l									<10	<10													
Phenanthrene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Phenanthrene	December-10	ug/l									<10														
Phenanthrene	March-11	ug/l										<10		<10											
Phenanthrene	June-11	ug/l										<10		<10		<10	<10								
Phenanthrene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Phenanthrene	December-11	ug/l												<10		<10	<10								
Phenanthrene	March-12	ug/l														<10	<10								

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Phenanthrene	December-14	ug/l															<10.2								
Phenanthrene	October-16	ug/l													<0.625										
Phenanthrene	November-16	ug/l						<0.6	<0.6	<0.652						<0.674	<0.667								
Phenanthrene	October-17	ug/L					<0.632																		
Phenanthrene	December-17	ug/L				<0.638					<0.625								<0.625		<0.625				
Phenanthrene	July-18	ug/L			<0.606							<0.625													
Phenanthrene	November-18	ug/L			<0.619							<0.625													
Phenanthrene	May-19	ug/L																		<0.606					
Phenanthrene	October-21	ug/L						<1.16	<1.16	<1.12						<1.15	<1.16								
Phenanthrene	December-21	ug/L																<1.16							
Phenanthrene	October-22	ug/L				<0.669	<0.669				<0.669								<0.669		<0.693				
Phenol	March-09	ug/l					<20	<20	<20																
Phenol	June-09	ug/l				<20	<20	<20	<20	<20			<20												
Phenol	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Phenol	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Phenol	March-10	ug/l				<10				<10			<10												
Phenol	June-10	ug/l									<10														
Phenol	August-10	ug/l									<10	<10													
Phenol	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Phenol	December-10	ug/l									<10														
Phenol	March-11	ug/l										<10		<10											
Phenol	June-11	ug/l										<10		<10		<10	<10								
Phenol	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Phenol	December-11	ug/l												<10		<10	<10								
Phenol	March-12	ug/l														<10	<10								
Phenol	December-14	ug/l															<10.2								
Phenol	October-16	ug/l													<2.5										
Phenol	November-16	ug/l						<2.4	<2.4	<2.61						<2.7	<2.67								
Phenol	October-17	ug/L					<2.53																		
Phenol	December-17	ug/L				<2.55					<2.50								<2.50		<2.50				
Phenol	July-18	ug/L			<2.42							<2.50													
Phenol	November-18	ug/L			<2.47							<2.50													
Phenol	May-19	ug/L																		<2.42					
Phenol	October-21	ug/L						<2.53	<2.53	<2.45						<2.50	<2.53								
Phenol	December-21	ug/L																<2.53							
Phenol	October-22	ug/L				<0.932	<0.932				<0.932								<0.932		<0.965				
Phorate	March-09	ug/l					<60	<60	<60																
Phorate	June-09	ug/l				<60	<60	<60	<60	<60			<60												
Phorate	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Phorate	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Phorate	March-10	ug/l				<10				<10			<10												
Phorate	June-10	ug/l									<10														
Phorate	August-10	ug/l									<10	<10													
Phorate	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Phorate	December-10	ug/l									<10														
Phorate	March-11	ug/l										<10		<10											
Phorate	June-11	ug/l										<10		<10		<10	<10								
Phorate	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Phorate	December-11	ug/l												<10		<10	<10								
Phorate	March-12	ug/l														<10	<10								
Phorate	December-14	ug/l															<10.2								
Phorate	October-16	ug/l													<0.177										
Phorate	November-16	ug/l						<0.17	<0.17	<0.185						<0.191	<0.189								
Phorate	October-17	ug/L					<0.179																		
Phorate	December-17	ug/L				<0.181					<0.177								<0.177		<0.177				
Phorate	July-18	ug/L			<0.172							<0.177													
Phorate	November-18	ug/L			<0.175							<0.177													
Phorate	May-19	ug/L																		<0.172					
Phorate	October-21	ug/L						<0.526	<0.526	<0.510						<0.521	<0.526								
Phorate	December-21	ug/L																<0.526							
Phorate	October-22	ug/L				<2.71	<2.71				<2.71								<2.71		<2.81				
Pronamide	March-09	ug/l					<10	<10	<10																
Pronamide	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Pronamide	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Pronamide	December-09	ug/l				<10	<10	<10	<10	<10			<10												

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Table 9
Analytical Data Summary
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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Pronamide	March-10	ug/l				<10				<10			<10												
Pronamide	June-10	ug/l									<10														
Pronamide	August-10	ug/l									<10	<10													
Pronamide	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Pronamide	December-10	ug/l									<10														
Pronamide	March-11	ug/l										<10		<10											
Pronamide	June-11	ug/l										<10		<10		<10	<10								
Pronamide	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Pronamide	December-11	ug/l												<10		<10	<10								
Pronamide	March-12	ug/l														<10	<10								
Pronamide	December-14	ug/l															<10.2								
Pronamide	October-16	ug/l													<0.271										
Pronamide	November-16	ug/l						<0.26	<0.26	<0.283						<0.292	<0.289								
Pronamide	October-17	ug/L					<0.274																		
Pronamide	December-17	ug/L				<0.277					<0.271								<0.271		<0.271				
Pronamide	July-18	ug/L			<0.263							<0.271													
Pronamide	November-18	ug/L			<0.268							<0.271													
Pronamide	May-19	ug/L																		<0.263					
Pronamide	October-21	ug/L						<0.526	<0.526	<0.510						<0.521	<0.526								
Pronamide	December-21	ug/L																<0.526							
Pronamide	October-22	ug/L				<2.29	<2.29				<2.29								<2.29		<2.37				
Propionitrile	March-09	ug/l					<10	<10	<10																
Propionitrile	June-09	ug/l				<50	<10	<10	<10	<10			<10												
Propionitrile	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Propionitrile	December-09	ug/l				<20	<20	<20	<10	<10			<10												
Propionitrile	March-10	ug/l				<10	<10	<10	<10	<10			<10												
Propionitrile	June-10	ug/l									<10														
Propionitrile	August-10	ug/l									<10	<10													
Propionitrile	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Propionitrile	December-10	ug/l									<10														
Propionitrile	March-11	ug/l				<10	<10	<10	<100	<10	<10	<10	<10	<10											
Propionitrile	April-11	ug/l				<10		<10	<100	<10							<10								
Propionitrile	June-11	ug/l										<10		<10		<10	<10								
Propionitrile	September-11	ug/l				<10	<10	<10	<100	<10	<10		<10	<10		<10	<10								
Propionitrile	December-11	ug/l												<10		<10	<10								
Propionitrile	March-12	ug/l											<10			<10	<10								
Propionitrile	December-14	ug/l															<10								
Propionitrile	October-16	ug/l													<2										
Propionitrile	November-16	ug/l						<2	<2	<2						<2	<2								
Propionitrile	October-17	ug/L					<2.00																		
Propionitrile	December-17	ug/L				<2.00					<2.00								<2.00		<2.00				
Propionitrile	July-18	ug/L			<3.40							<3.40													
Propionitrile	November-18	ug/L			<3.40							<3.40													
Propionitrile	May-19	ug/L																		<3.40					
Propionitrile	October-21	ug/L						<3.40	<3.40	<3.40						<3.40	<3.40								
Propionitrile	December-21	ug/L																<3.40							
Propionitrile	October-22	ug/L				<3.40	<3.40				<3.40								<3.40		<3.40				
Pyrene	March-09	ug/l					<10	<10	<10																
Pyrene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Pyrene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Pyrene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Pyrene	March-10	ug/l				<10				<10			<10												
Pyrene	June-10	ug/l									<10														
Pyrene	August-10	ug/l									<10	<10													
Pyrene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Pyrene	December-10	ug/l									<10														
Pyrene	March-11	ug/l										<10		<10											
Pyrene	June-11	ug/l										<10		<10		<10	<10								
Pyrene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Pyrene	December-11	ug/l												<10		<10	<10								
Pyrene	March-12	ug/l														<10	<10								
Pyrene	December-14	ug/l															<10.2								
Pyrene	October-16	ug/l													<0.24										
Pyrene	November-16	ug/l						<0.23	<0.23	<0.25						<0.258	<0.256								
Pyrene	October-17	ug/L					<0.242																		

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Table 9
Analytical Data Summary
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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Pyrene	December-17	ug/L				<0.245					<0.240								<0.240		<0.240				
Pyrene	July-18	ug/L			<0.263							<0.271													
Pyrene	November-18	ug/L			<0.268							<0.271													
Pyrene	May-19	ug/L																		<0.263					
Pyrene	October-21	ug/L						<1.47	<1.47	<1.43						<1.46	<1.47								
Pyrene	December-21	ug/L																<1.47							
Pyrene	October-22	ug/L				<0.669	<0.669				<0.669								<0.669		<0.693				
Safrole	March-09	ug/l					<10	<10	<10																
Safrole	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Safrole	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Safrole	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Safrole	March-10	ug/l				<10				<10			<10												
Safrole	June-10	ug/l									<10														
Safrole	August-10	ug/l									<10	<10													
Safrole	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Safrole	December-10	ug/l									<10														
Safrole	March-11	ug/l										<10		<10											
Safrole	June-11	ug/l										<10		<10		<10	<10								
Safrole	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Safrole	December-11	ug/l												<10		<10	<10								
Safrole	March-12	ug/l														<10	<10								
Safrole	December-14	ug/l															<10.2								
Safrole	October-16	ug/l													<0.208										
Safrole	November-16	ug/l						<0.2	<0.2	<0.217						<0.225	<0.222								
Safrole	October-17	ug/L					<0.211																		
Safrole	December-17	ug/L				<0.213					<0.208								<0.208		<0.208				
Safrole	July-18	ug/L			<0.202							<0.208													
Safrole	November-18	ug/L			<0.206							<0.208													
Safrole	May-19	ug/L																		<0.202					
Safrole	October-21	ug/L						<0.526	<0.526	<0.510						<0.521	<0.526								
Safrole	December-21	ug/L																<0.526							
Safrole	October-22	ug/L				<2.37	<2.37				<2.37								<2.37		<2.46				
Selenium	January-08	mg/l				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005											
Selenium	March-08	mg/l				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005											
Selenium	August-08	mg/l				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005											
Selenium	September-08	mg/l				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005											
Selenium	October-08	mg/l				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005											
Selenium	March-09	mg/l				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005											
Selenium	June-09	mg/l				<0.005	<0.005	<0.005	<0.005	<0.005			<0.005												
Selenium	September-09	mg/l				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005											
Selenium	December-09	mg/l				<0.01	<0.005	<0.005	<0.005	<0.005			<0.005												
Selenium	March-10	mg/l				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005											
Selenium	June-10	mg/l									<0.005					<0.005	<0.005	<0.005	<0.005	<0.005					
Selenium	August-10	mg/l									<0.005	<0.005				<0.005	<0.005	<0.005	<0.005	<0.005					
Selenium	September-10	mg/l				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005					
Selenium	December-10	mg/l									<0.005					<0.005	<0.005	<0.005	<0.005	<0.005					
Selenium	March-11	mg/l		<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005					
Selenium	June-11	mg/l		<0.005								<0.005		<0.005		<0.005	<0.005								
Selenium	July-11	mg/l	<0.005																						
Selenium	August-11	mg/l		<0.005																					
Selenium	September-11	mg/l	<0.006	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005					
Selenium	December-11	mg/l	<0.005	<0.005										<0.005		<0.005	<0.005								
Selenium	March-12	mg/l	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005					
Selenium	April-12	mg/l													<0.01										
Selenium	June-12	mg/l													<0.005										
Selenium	October-12	mg/l	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005	<0.005		<0.005						
Selenium	March-13	mg/l	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005						
Selenium	June-13	mg/l																			**0.00985**				
Selenium	September-13	mg/l	**0.00238J**	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	**0.00236J**	<0.005	<0.005	<0.005	<0.005				
Selenium	November-13	mg/l																			**0.00066J**				
Selenium	March-14	mg/l	**0.000703J**	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005				
Selenium	June-14	mg/l																		<0.005	**0.00699**				
Selenium	September-14	mg/l	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005				
Selenium	December-14	mg/l															<0.005								
Selenium	April-15	mg/l	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005				

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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Selenium	October-15	mg/l	<0.00334	<0.00334		<0.00334	<0.00334	<0.00334	<0.00334	<0.00063	<0.0034				<0.00334	<0.00063	<0.00063	<0.00334	<0.00063	<0.00334	<0.00063				
Selenium	April-16	mg/l	**0.0008J**	<0.00063		**0.000668J**	**0.000761J**	**0.001024J**	**0.001275J**	**0.000665J**	**0.000967J**	<0.00063			<0.00063	<0.00063	<0.00063	**0.000714J**	**0.00064J**	<0.00063	<0.00063				
Selenium	October-16	mg/l													<0.00063										
Selenium	November-16	mg/l	<0.00063	<0.00063		<0.00063	<0.00063	<0.00063	<0.00063	<0.00063	<0.00063	<0.00063				**0.000716J**	<0.00063	<0.00063	<0.00063	<0.00063	<0.00063				
Selenium	March-17	mg/l	<0.000928	<0.000928		<0.000928	<0.000928	<0.000928	<0.000928	<0.000928	<0.000928	<0.000928			<0.000928	<0.000928	<0.000928	<0.000928	<0.000928	<0.000928	<0.000928				
Selenium	October-17	mg/L	<0.000928	<0.000928		<0.000928	<0.000928	<0.000928	<0.000928	<0.00186	<0.000928				<0.000928	<0.000928	<0.000928	<0.000928	<0.000928	<0.000928	<0.000928				
Selenium	December-17	mg/L				<0.000928					<0.000928								<0.000928		<0.000928				
Selenium	April-18	mg/L	<0.000900	<0.000900		<0.000900	<0.000900	<0.000900	<0.000900	<0.000900	<0.000900	<0.000900			<0.000900	<0.000900	<0.000900	<0.000900	<0.000900	**0.00116J**	<0.000900				
Selenium	July-18	mg/L			<0.000900							<0.000900													
Selenium	October-18	mg/L	<0.000900	<0.000900		<0.000900	<0.000900		<0.000900						<0.000900		<0.000900								
Selenium	November-18	mg/L			<0.000900			<0.000900		<0.000900	<0.000900	<0.000900				<0.000900		<0.000900	<0.000900	<0.000900	<0.000900				
Selenium	January-19	mg/L			<0.000900																				
Selenium	March-19	mg/L	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100			<0.00100	<0.00100	<0.00100	**0.00126J**	<0.00100	<0.00100	<0.00100				
Selenium	May-19	mg/L			<0.000982															<0.000982					
Selenium	October-19	mg/L	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100			<0.00100	<0.00100	<0.00100	**0.00115J**	<0.00100	<0.00100	<0.00100				
Selenium	March-20	mg/L	<0.00100	<0.00100		**0.00213J**	**0.00137J**	**0.00168J**	<0.00100	<0.00100	<0.00100	<0.00100			<0.00100	**0.00123J**	**0.00132J**	**0.00197J**	<0.00100		<0.00100				
Selenium	April-20	mg/L			**0.00149J**															<0.00100					
Selenium	September-20	mg/L	<0.00100	<0.00100	<0.00100		**0.00113J**	<0.00100	**0.00126J**	<0.00100	<0.00100	<0.00100			<0.00100	**0.00198J**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100				
Selenium	October-20	mg/L				<0.00100																			
Selenium	November-20	mg/L	<0.00100																						
Selenium	December-20	mg/L	<0.00100																						
Selenium	March-21	mg/L		<0.000960	**0.00122J**	<0.000960	<0.000960	**0.00101J**	**0.00119J**	**0.00101J**					<0.000960	**0.00147J**	<0.000960				<0.000960				
Selenium	April-21	mg/L	**0.00125J**								<0.000960	<0.000960						<0.000960	<0.000960	<0.000960					
Selenium	May-21	mg/L																<0.000960							
Selenium	August-21	mg/L																							
Selenium	October-21	mg/L	<0.000960	<0.000960	<0.000960	<0.000960	**0.00176J**	<0.000960	<0.000960	<0.000960	<0.000960	<0.000960			<0.000960	**0.00137J**	<0.000960	<0.000960	<0.000960	<0.000960	<0.000960				
Selenium	December-21	mg/L																<0.000960							
Selenium	February-22	mg/L	<0.000960																						<0.000960
Selenium	April-22	mg/L	<0.000960	<0.000960	**0.000965J**	<0.000960	<0.000960	<0.000960	<0.000960	**0.00112J**	**0.000998J**	**0.00116J**			<0.000960	<0.000960	<0.000960	<0.00672	<0.000960	<0.000960	<0.000960				<0.000960
Selenium	July-22	mg/L																							<0.000960
Selenium	October-22	mg/L	<0.000960	<0.000960	<0.000960	<0.000960	<0.000960	<0.000960	<0.000960	<0.000960	<0.000960				<0.000960	<0.000960	<0.000960	<0.000960	<0.000960	<0.000960	<0.000960				<0.000960
Selenium	April-23	mg/L	**0.00298J**	<0.00140	<0.00140	<0.00140	<0.00140	<0.00140	<0.00140	<0.00140	**0.00154J**	<0.00140			<0.00140	<0.00140	<0.00140	<0.00140	<0.00140	<0.00140	<0.00140				**0.00212J**
Selenium	May-23	mg/L																							
Selenium	October-23	mg/L	<0.00140	<0.00140	<0.00140	<0.00140	**0.00229J**	<0.00140	<0.00140	<0.00140	<0.00140				<0.00140	<0.00140	**0.00219J**	<0.00140	<0.00140	<0.00140	<0.00140				<0.00140
Selenium, Dissolved	December-20	mg/L	<0.00100J																						
Silica (SiO2), molybdate-reactive, Dissolved	February-22	mg/L	26.7																						14.7
Silver	January-08	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02											
Silver	March-08	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02											
Silver	August-08	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02											
Silver	September-08	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02											
Silver	October-08	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02											
Silver	March-09	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02											
Silver	June-09	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02			<0.02												
Silver	September-09	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02											
Silver	December-09	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02			<0.02												
Silver	March-10	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02											
Silver	June-10	mg/l									<0.02					<0.02	<0.02	<0.02	<0.02	<0.02					
Silver	August-10	mg/l									<0.02	<0.02				<0.02	<0.02	<0.02	<0.02	<0.02					
Silver	September-10	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02					
Silver	December-10	mg/l									<0.02					<0.02	<0.02	<0.02	<0.02	<0.02					
Silver	March-11	mg/l		<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02					
Silver	June-11	mg/l		<0.02								<0.02		<0.02		<0.02	<0.02								
Silver	July-11	mg/l	<0.02																						
Silver	August-11	mg/l		<0.02																					
Silver	September-11	mg/l	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02					
Silver	December-11	mg/l	<0.02	<0.02										<0.02		<0.02	<0.02								
Silver	March-12	mg/l	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02					
Silver	April-12	mg/l													<0.06										
Silver	June-12	mg/l													<0.04										
Silver	October-12	mg/l	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02			<0.02	<0.02	<0.02	<0.02	<0.02		<0.02						
Silver	March-13	mg/l	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02						
Silver	June-13	mg/l																			<0.02				
Silver	September-13	mg/l	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
Silver	November-13	mg/l																			<0.02				
Silver	March-14	mg/l	**0.0033J**	**0.0035J**		<0.02	<0.02	**0.00274J**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**0.00269J**		<0.02				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Silver	June-14	mg/l																		<0.02	<0.02				
Silver	September-14	mg/l	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				
Silver	December-14	mg/l															<0.001								
Silver	April-15	mg/l	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				
Silver	October-15	mg/l	**0.000222J**	<0.000042		<0.000042	**0.000149J**	<0.000042	<0.000042	<0.000153	**0.000055J**				<0.000042	<0.000153	<0.000153	<0.000042	<0.000153	<0.000042	<0.000153				
Silver	April-16	mg/l	<0.000153	<0.000153		<0.000153	<0.000153	<0.000153	<0.000153	<0.000153	<0.000153	<0.000153			<0.000153	<0.000153	<0.000153	<0.000153	<0.000153	<0.000153	<0.000153				
Silver	October-16	mg/l													<0.000153										
Silver	November-16	mg/l	<0.000153	<0.000153		<0.000153	<0.000153	<0.000153	<0.000153	<0.000153	<0.000153	<0.000153				<0.000153	<0.000153	<0.000153	<0.000153	<0.000153	<0.000153				
Silver	March-17	mg/l	<0.00014	<0.00014		<0.00014	<0.00014	<0.00014	<0.00014	<0.00014	<0.00014	<0.00014			<0.00014	<0.00014	<0.00014	<0.00014	<0.00014	<0.00014	<0.00014				
Silver	October-17	mg/L	<0.000140	**0.000144J**		<0.000140	<0.000140	<0.000140	<0.000140	<0.000140	<0.000140				<0.000140	<0.000140	<0.000140	<0.000140	<0.000140	<0.000140	**0.000177J**				
Silver	December-17	mg/L				<0.000140					<0.000140								<0.000140		<0.000140				
Silver	April-18	mg/L	<0.000300	<0.000300		<0.000300	<0.000300	<0.000300	<0.000300	<0.000300	<0.000300	<0.000300			<0.000300	<0.000300	<0.000300	<0.000300	<0.000300	<0.000300	<0.000300				
Silver	July-18	mg/L			<0.000300							<0.000300													
Silver	October-18	mg/L	<0.000300	<0.000300		<0.000300	<0.000300		<0.000300						<0.000300		<0.000300								
Silver	November-18	mg/L			<0.000300			<0.000300		<0.000300	<0.000300	<0.000300				<0.000300		<0.000300	<0.000300	<0.000300	<0.000300				
Silver	January-19	mg/L			<0.000300																				
Silver	March-19	mg/L	<0.000370	<0.000370	<0.000370	<0.000370	<0.000370	<0.000370	<0.000370	<0.000370	<0.000370	<0.000370			<0.000370	<0.000370	<0.000370	<0.000370	<0.000370	<0.000370	<0.000370				
Silver	May-19	mg/L			<0.000115															<0.000115					
Silver	October-19	mg/L	<0.000370	<0.000370	<0.000370	<0.000370	<0.000370	<0.000370	<0.000370	<0.000370	<0.000370	<0.000370			<0.000370	<0.000370	<0.000370	<0.000370	<0.000370	<0.000370	<0.000370				
Silver	March-20	mg/L	<0.000370	<0.000370		<0.000370	<0.000370	<0.000370	<0.000370	<0.000370	<0.000370	<0.000370			<0.000370	<0.000370	<0.000370	<0.000370	<0.000370		<0.000370				
Silver	April-20	mg/L			<0.000370															<0.000370					
Silver	September-20	mg/L	<0.000370	<0.000370	<0.000370		<0.000370	<0.000370	<0.000370	<0.000370	<0.000370	<0.000370			<0.000370	**0.000944J**	<0.000370	<0.000370	<0.000370	<0.000370	<0.000370				
Silver	October-20	mg/L				<0.000370																			
Silver	November-20	mg/L	<0.000370																						
Silver	December-20	mg/L	<0.000370																						
Silver	March-21	mg/L		<0.000420	<0.000420	<0.000420	<0.000420	<0.000420	<0.000420	<0.000420					<0.000420	<0.000420	<0.000420				<0.000420				
Silver	April-21	mg/L	<0.000420								<0.000420	<0.000420						<0.000420	<0.000420	<0.000420					
Silver	May-21	mg/L																<0.000420							
Silver	August-21	mg/L																							
Silver	October-21	mg/L	<0.000420	**0.000451J**	<0.000420	<0.000420	<0.000420	<0.000420	<0.000420	<0.000420	<0.000420	<0.000420			<0.000420	<0.000420	<0.000420	<0.000420	<0.000420	<0.000420	<0.000420				
Silver	December-21	mg/L																<0.000420							
Silver	February-22	mg/L	<0.000490																						<0.000490
Silver	April-22	mg/L	<0.000490	<0.000490	<0.000490	<0.000490	<0.000490	<0.000490	<0.000490	<0.000490	<0.000490	<0.000490			<0.000490	**0.00055J**	<0.000490	<0.00343	<0.000490	<0.000490	<0.000490				<0.000490
Silver	July-22	mg/L																							<0.000490
Silver	October-22	mg/L	<0.000490	<0.000490	<0.000490	<0.000490	<0.000490	<0.000490	<0.000490	<0.000490	<0.000490				<0.000490	<0.000490	<0.000490	<0.000490	<0.000490	<0.000490	<0.000490				<0.000490
Silver	April-23	mg/L	**0.00141**	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500			<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500				**0.00139**
Silver	May-23	mg/L																							
Silver	June-23	mg/L	<0.000500																						<0.000500
Silver	October-23	mg/L	<0.000500	<0.000500	<0.000500	<0.000500	**0.00126**	<0.000500	<0.000500	<0.000500	<0.000500				<0.000500	<0.000500	**0.00116**	<0.000500	<0.000500	<0.000500	<0.000500				<0.000500
Silver, Dissolved	December-20	mg/L	<0.000370																						
Silvex (2,4,5-TP)	March-09	ug/l					**0.54**	<0.2	**1.1**																
Silvex (2,4,5-TP)	June-09	ug/l				<0.21	<0.2	<0.2	**1.4**	<0.22			<0.21												
Silvex (2,4,5-TP)	September-09	ug/l				**0.21**	<0.2	<0.22	<0.21	**1**			**1.3**												
Silvex (2,4,5-TP)	December-09	ug/l				<0.2	<0.21	<0.21	<0.21	<0.21			<0.21												
Silvex (2,4,5-TP)	March-10	ug/l				<0.21	**0.26**		<1.1	<0.21			**0.4**												
Silvex (2,4,5-TP)	June-10	ug/l									<0.5														
Silvex (2,4,5-TP)	August-10	ug/l									<0.5	<0.5													
Silvex (2,4,5-TP)	September-10	ug/l				<0.52	<0.52	<0.52	<0.52	<0.54	<0.52	<0.51	<0.51												
Silvex (2,4,5-TP)	December-10	ug/l									<0.54														
Silvex (2,4,5-TP)	March-11	ug/l				<0.5	<0.5		<0.52	<0.53		<0.52	<0.52	<0.52											
Silvex (2,4,5-TP)	June-11	ug/l										<0.5		<0.5		<0.5	<0.5								
Silvex (2,4,5-TP)	September-11	ug/l				<1	<1	<1	<1	<1	<1		<1	<1		<1	<1								
Silvex (2,4,5-TP)	December-11	ug/l												<1		<1	<1								
Silvex (2,4,5-TP)	March-12	ug/l				<1	<1.1		<1	<1			<1			<1.1	<1								
Silvex (2,4,5-TP)	October-12	ug/l				<1	<1		<1	<1			<1												
Silvex (2,4,5-TP)	March-13	ug/l				<1.04	<1.13		<1.05	<1.04			<1.05		<1.14										
Silvex (2,4,5-TP)	September-13	ug/l				<1.09			<1.05	<1.09			<1.04		<1.11										
Silvex (2,4,5-TP)	March-14	ug/l				<1.05			<1.06	<1.04			<1.07		<1.13										
Silvex (2,4,5-TP)	September-14	ug/l				<1.09			<10.5	<1.07			<1.09		<1.06										
Silvex (2,4,5-TP)	December-14	ug/l															<1.1								
Silvex (2,4,5-TP)	April-15	ug/l				<1.04			<1.21	<1.19					<1.11										
Silvex (2,4,5-TP)	October-16	ug/l													<0.334										
Silvex (2,4,5-TP)	November-16	ug/l						<0.309	<3.09	<0.302						<0.322	<0.306								
Silvex (2,4,5-TP)	March-17	ug/l							<2.92	<0.303					<0.297										
Silvex (2,4,5-TP)	October-17	ug/L					<0.300		<0.305	<0.296					<0.301										

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Silvex (2,4,5-TP)	December-17	ug/L				<0.296					<0.315								<0.304		<0.298				
Silvex (2,4,5-TP)	April-18	ug/L							<0.314	<0.331															
Silvex (2,4,5-TP)	July-18	ug/L			<0.300							<0.293													
Silvex (2,4,5-TP)	October-18	ug/L							<3.03																
Silvex (2,4,5-TP)	November-18	ug/L			<0.308					<0.319		<0.304													
Silvex (2,4,5-TP)	March-19	ug/L							<0.296	<0.300															
Silvex (2,4,5-TP)	May-19	ug/L																		<0.298					
Silvex (2,4,5-TP)	October-19	ug/L							<0.310	**2.03**															
Silvex (2,4,5-TP)	March-20	ug/L								<0.297															
Silvex (2,4,5-TP)	September-20	ug/L								<0.310															
Silvex (2,4,5-TP)	March-21	ug/L								**2.11**															
Silvex (2,4,5-TP)	October-21	ug/L						<0.135	<1.32	**1.68**						<0.132	<0.133								
Silvex (2,4,5-TP)	December-21	ug/L																<0.137							
Silvex (2,4,5-TP)	February-22	ug/L								**0.145**															
Silvex (2,4,5-TP)	April-22	ug/L								**1.73**															
Silvex (2,4,5-TP)	October-22	ug/L				<0.5	<0.5			<0.5	<0.5								<0.5		<0.5				
Silvex (2,4,5-TP)	April-23	ug/L								**0.0863**								<0.0239							
Silvex (2,4,5-TP)	October-23	ug/L								**0.145**															
Styrene	January-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Styrene	March-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Styrene	August-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Styrene	September-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Styrene	October-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Styrene	March-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Styrene	June-09	ug/l				<5	<1	<1	<1	<1			<1												
Styrene	September-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Styrene	December-09	ug/l				<5	<5	<5	<2	<2			<2												
Styrene	March-10	ug/l				<2	<2	<5	<5	<2	<2	<2	<5	<2											
Styrene	June-10	ug/l									<1					<1	<1	<1	<1	<1					
Styrene	August-10	ug/l									<4	<4				<4	<4	<4	<4	<4					
Styrene	September-10	ug/l				<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	<4	<4	<4	<4					
Styrene	December-10	ug/l									<1					<1	<1	<1	<1	<1					
Styrene	March-11	ug/l		<1		<1	<1	<1	<10	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Styrene	April-11	ug/l				<1		<1	<10	<1							<1								
Styrene	June-11	ug/l		<1								<1		<1		<1	<1								
Styrene	July-11	ug/l	<1																						
Styrene	August-11	ug/l		<1																					
Styrene	September-11	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1		<1	<1	<1	<1	<1					
Styrene	December-11	ug/l	<1	<1										<1		<1	<1								
Styrene	March-12	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Styrene	June-12	ug/l													<1										
Styrene	October-12	ug/l	<1	<1		<1	<1	<1	<1	<1			<1	<1		<1	<1		<1						
Styrene	March-13	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1	<1	<1	<1	<1	<1						
Styrene	June-13	ug/l																			<1				
Styrene	September-13	ug/l	<1	<1		<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1				
Styrene	November-13	ug/l																			<1				
Styrene	March-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1				
Styrene	June-14	ug/l																		<1	<1				
Styrene	September-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
Styrene	December-14	ug/l															<1								
Styrene	April-15	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1				
Styrene	October-15	ug/l	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Styrene	April-16	ug/l	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Styrene	October-16	ug/l													<0.1										
Styrene	November-16	ug/l	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Styrene	March-17	ug/l	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Styrene	October-17	ug/L	<0.100	<0.100		<0.100	<0.100	<0.100	<0.100	<0.100	<0.100				<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100				
Styrene	December-17	ug/L				<0.100					<0.100								<0.100		<0.100				
Styrene	April-18	ug/L	<0.100	<0.100		<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100			<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100				
Styrene	July-18	ug/L			<0.370							<0.370													
Styrene	October-18	ug/L	<0.370	<0.370		<0.370	<0.370		<0.370						<0.370		<0.370								
Styrene	November-18	ug/L			<0.370			<0.370		<0.370	<0.370	<0.370				<0.370		<0.370	<0.370	<0.370	<0.370				
Styrene	January-19	ug/L			<0.370																				
Styrene	March-19	ug/L	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370			<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370				
Styrene	May-19	ug/L			<0.370															<0.370					

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Styrene	October-19	ug/L	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370			<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370				
Styrene	March-20	ug/L	<0.370	<0.370		<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370			<0.370	<0.370	<0.370	<0.370	<0.370		<0.370				
Styrene	April-20	ug/L			<0.370															<0.370					
Styrene	September-20	ug/L	<0.370	<0.370	<0.370		<0.370	<0.370	<0.370	<0.370	<0.370	<0.370			<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370				
Styrene	October-20	ug/L				<0.370																			
Styrene	March-21	ug/L		<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370					<0.370	<0.370	<0.370				<0.370				
Styrene	April-21	ug/L	<0.370								<0.370	<0.370						<0.370	<0.370	<0.370					
Styrene	May-21	ug/L																<0.370							
Styrene	August-21	ug/L																							
Styrene	October-21	ug/L	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370			<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370				
Styrene	December-21	ug/L																<0.370							
Styrene	February-22	ug/L	<0.370																						<0.370
Styrene	April-22	ug/L	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370			<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370				<0.370
Styrene	July-22	ug/L																							<0.370
Styrene	October-22	ug/L	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370				<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370				<0.370
Styrene	April-23	ug/L	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370			<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370				<0.370
Styrene	May-23	ug/L																							
Styrene	October-23	ug/L	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370				<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370				<0.370
Sulfate	February-22	mg/L	69.7																						72.6
Sulfide	March-09	mg/l					<5	<5	<5																
Sulfide	June-09	mg/l				<1	<1	<1	2.2	<1			<1												
Sulfide	September-09	mg/l				<1	<1	<1	<1	<1			<1												
Sulfide	December-09	mg/l				<1	<1	<1	<1	<1			<1												
Sulfide	March-10	mg/l				<1			5.2	<1			<1												
Sulfide	June-10	mg/l									<1														
Sulfide	August-10	mg/l									<1	<1													
Sulfide	September-10	mg/l				<1	<1	<1	4.3	<1	<1	<1	<1												
Sulfide	December-10	mg/l									<1														
Sulfide	March-11	mg/l							11			<1		0.48J											
Sulfide	June-11	mg/l										<1		0.46J		<1	<1								
Sulfide	September-11	mg/l				0.5J	<1	<1	4.6	<1	<1		1.2	0.78J		2.5	<1								
Sulfide	December-11	mg/l												<1		<1	<1								
Sulfide	March-12	mg/l				<1			<1				<1	<1		<1	<1								
Sulfide	October-12	mg/l				<1			2.6				<1	<1		<1									
Sulfide	March-13	mg/l				<1			<1				<1	<1	6.85	<1									
Sulfide	September-13	mg/l				<1			6.91				2.51		5.11	<1									
Sulfide	December-13	mg/l							2.36																
Sulfide	March-14	mg/l							13.3				<1		1.25										
Sulfide	June-14	mg/l							5.21																
Sulfide	September-14	mg/l							4.5				<1		<1										
Sulfide	December-14	mg/l															<1								
Sulfide	April-15	mg/l							1.32						<1										
Sulfide	October-15	mg/l							3.05						<0.18										
Sulfide	April-16	mg/l							1.95						<0.219										
Sulfide	October-16	mg/l													<0.18										
Sulfide	November-16	mg/l						<0.18	<0.18	<0.18						<0.18	<0.18								
Sulfide	March-17	mg/l							<0.18						<0.18	<0.18									
Sulfide	October-17	mg/L					0.294J		5.92						<0.231	3.51									
Sulfide	December-17	mg/L				<0.231					<0.231								<0.231		<0.231				
Sulfide	April-18	mg/L							2							<0.231									
Sulfide	July-18	mg/L			<0.231							<0.231													
Sulfide	October-18	mg/L							2.05						<0.231										
Sulfide	November-18	mg/L			<0.231							<0.231				<0.231									
Sulfide	March-19	mg/L			<0.231				2.86						<0.231	<0.231									
Sulfide	May-19	mg/L																		<0.231					
Sulfide	October-19	mg/L			<0.231				3.55						<0.231	<0.231									
Sulfide	March-20	mg/L							2.46						0.482J	<0.231									
Sulfide	April-20	mg/L			<0.231																				
Sulfide	September-20	mg/L			<10.0				16.4						<10.0	<10.0									
Sulfide	March-21	mg/L			<10.0				<10.0						23.2	<10.0									
Sulfide	October-21	mg/L			<0.231			<0.231	<0.231	<0.231					<0.0462	<0.231	<0.0462								
Sulfide	December-21	mg/L																<0.231							
Sulfide	April-22	mg/L			<0.231										<0.231										
Sulfide	October-22	mg/L			<0.231	<0.231	<0.231				<0.231				<0.231				<0.231		<0.231				
Sulfide	April-23	mg/L			<0.231										<0.231										

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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Sulfide	October-23	mg/L			<0.231										<0.231										
Tetrachloroethene	January-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Tetrachloroethene	March-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Tetrachloroethene	August-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Tetrachloroethene	September-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Tetrachloroethene	October-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Tetrachloroethene	March-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Tetrachloroethene	June-09	ug/l				**5.2**	<1	<1	<1	<1			<1												
Tetrachloroethene	September-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Tetrachloroethene	December-09	ug/l				<1	<1	<1	<1	<1			<1												
Tetrachloroethene	March-10	ug/l				<2	<2	<5	<5	<2	<2	<2	<5	<2											
Tetrachloroethene	June-10	ug/l									<1					<1	<1	<1	<1	<1					
Tetrachloroethene	August-10	ug/l									<1	<1				<1	<1	<1	<1	<1					
Tetrachloroethene	September-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Tetrachloroethene	December-10	ug/l									<1					<1	<1	<1	<1	<1					
Tetrachloroethene	March-11	ug/l		<1		<1	<1	<1	<10	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Tetrachloroethene	April-11	ug/l				<1		<1	<10	<1							<1								
Tetrachloroethene	June-11	ug/l		<1								<1		<1		<1	<1								
Tetrachloroethene	July-11	ug/l	<1																						
Tetrachloroethene	August-11	ug/l		<1																					
Tetrachloroethene	September-11	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1		<1	<1	<1	<1	<1					
Tetrachloroethene	December-11	ug/l	<1	<1										<1		<1	<1								
Tetrachloroethene	March-12	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Tetrachloroethene	June-12	ug/l													<1										
Tetrachloroethene	October-12	ug/l	<1	<1		<1	<1	<1	<1	<1			<1	<1		<1	<1		<1						
Tetrachloroethene	March-13	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1	<1	<1	<1	<1	<1						
Tetrachloroethene	June-13	ug/l																			<1				
Tetrachloroethene	September-13	ug/l	<1	<1		<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1				
Tetrachloroethene	November-13	ug/l																			<1				
Tetrachloroethene	March-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1				
Tetrachloroethene	June-14	ug/l																		<1	<1				
Tetrachloroethene	September-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
Tetrachloroethene	December-14	ug/l															<1								
Tetrachloroethene	April-15	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1				
Tetrachloroethene	October-15	ug/l	<0.18	<0.18		<0.18	<0.18	<0.18	<0.18	<0.18	<0.18				<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18				
Tetrachloroethene	April-16	ug/l	<0.18	<0.18		<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18			<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18				
Tetrachloroethene	October-16	ug/l													<0.18										
Tetrachloroethene	November-16	ug/l	<0.18	<0.18		<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18				<0.18	<0.18	<0.18	<0.18	<0.18	<0.18				
Tetrachloroethene	March-17	ug/l	<0.18	<0.18		<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18			<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18				
Tetrachloroethene	October-17	ug/L	<0.180	<0.180		<0.180	<0.180	<0.180	<0.180	<0.180	<0.180				<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180				
Tetrachloroethene	December-17	ug/L				<0.180					<0.180								<0.180		<0.180				
Tetrachloroethene	April-18	ug/L	<0.180	<0.180		<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180			<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180				
Tetrachloroethene	July-18	ug/L			<0.480							<0.480													
Tetrachloroethene	October-18	ug/L	<0.480	<0.480		<0.480	<0.480		<0.480						<0.480		<0.480								
Tetrachloroethene	November-18	ug/L			<0.480			<0.480		<0.480	<0.480	<0.480				<0.480		<0.480	<0.480	<0.480	<0.480				
Tetrachloroethene	January-19	ug/L			<0.480																				
Tetrachloroethene	March-19	ug/L	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480			<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480				
Tetrachloroethene	May-19	ug/L			<0.480															<0.480					
Tetrachloroethene	October-19	ug/L	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480			<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480				
Tetrachloroethene	March-20	ug/L	<0.480	<0.480		<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480			<0.480	<0.480	<0.480	<0.480	<0.480		<0.480				
Tetrachloroethene	April-20	ug/L			<0.480															<0.480					
Tetrachloroethene	September-20	ug/L	<0.480	<0.480	<0.480		<0.480	<0.480	<0.480	<0.480	<0.480	<0.480			<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480				
Tetrachloroethene	October-20	ug/L				<0.480																			
Tetrachloroethene	March-21	ug/L		<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480					<0.480	<0.480	<0.480				<0.480				
Tetrachloroethene	April-21	ug/L	<0.480								<0.480	<0.480						<0.480	<0.480	<0.480					
Tetrachloroethene	May-21	ug/L																<0.480							
Tetrachloroethene	August-21	ug/L																							
Tetrachloroethene	October-21	ug/L	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480			<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480				
Tetrachloroethene	December-21	ug/L																<0.480							
Tetrachloroethene	February-22	ug/L	<0.480																						<0.480
Tetrachloroethene	April-22	ug/L	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480			<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480				<0.480
Tetrachloroethene	July-22	ug/L																							<0.480
Tetrachloroethene	October-22	ug/L	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480				<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480				<0.480
Tetrachloroethene	April-23	ug/L	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480			<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480				<0.480
Tetrachloroethene	May-23	ug/L																							

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Tetrachloroethene	October-23	ug/L	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480				<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480				<0.480
Thallium	January-08	mg/l				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002											
Thallium	March-08	mg/l				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002											
Thallium	August-08	mg/l				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002											
Thallium	September-08	mg/l				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002											
Thallium	October-08	mg/l				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002											
Thallium	March-09	mg/l				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002											
Thallium	June-09	mg/l				<0.002	<0.002	<0.002	<0.002	<0.002			<0.002												
Thallium	September-09	mg/l				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002											
Thallium	December-09	mg/l				<0.002	<0.002	<0.002	<0.002	<0.002			<0.002												
Thallium	March-10	mg/l				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002											
Thallium	June-10	mg/l									<0.002					<0.002	<0.002	<0.002	<0.002	<0.002					
Thallium	August-10	mg/l									<0.002	<0.002				<0.002	<0.002	<0.002	<0.002	<0.002					
Thallium	September-10	mg/l				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002					
Thallium	December-10	mg/l									<0.002					<0.002	<0.002	<0.002	<0.002	<0.002					
Thallium	March-11	mg/l		<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002					
Thallium	June-11	mg/l		<0.002								<0.002		<0.002		<0.002	<0.002								
Thallium	July-11	mg/l	<0.002																						
Thallium	August-11	mg/l		<0.002																					
Thallium	September-11	mg/l	<0.002	<0.002		<0.002	<0.002	<0.002	<0.004	<0.002	<0.002		<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002					
Thallium	December-11	mg/l	<0.002	<0.002										<0.002		<0.002	<0.002								
Thallium	March-12	mg/l	<0.002	<0.002		<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002					
Thallium	April-12	mg/l													<0.002										
Thallium	June-12	mg/l													<0.002										
Thallium	October-12	mg/l	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002	<0.002	<0.002		<0.002						
Thallium	March-13	mg/l	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002						
Thallium	June-13	mg/l																			<0.002				
Thallium	September-13	mg/l	<0.002	<0.002		<0.002	**0.00105J**	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002				
Thallium	November-13	mg/l																			<0.002				
Thallium	March-14	mg/l	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002				
Thallium	June-14	mg/l																		<0.002	**0.00498**				
Thallium	September-14	mg/l	<0.001	<0.001		<0.001	**0.000073J**	**0.000041J**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.000058J**	**0.000037J**	<0.001	<0.001	**0.000037J**	<0.001	**0.000044J**				
Thallium	December-14	mg/l															<0.001								
Thallium	April-15	mg/l	<0.001	<0.001		<0.002	**0.00008J**	<0.001	<0.001	<0.001	<0.001	<0.001			**0.000082J**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				
Thallium	October-15	mg/l	**0.000048J**	<0.0000325		<0.0000325	**0.000152J**	<0.0000325	<0.0000325	<0.0000255	**0.000051J**				<0.0000325	**0.000056J**	<0.0000255	<0.0000325	<0.0000255	**0.000045J**	<0.0000255				
Thallium	April-16	mg/l	<0.0000255	<0.0000255		<0.0000255	**0.000051J**	<0.0000255	<0.0000255	<0.0000255	<0.0000255	<0.0000255			**0.000119J**	**0.000027J**	<0.0000255	<0.0000255	<0.0000255	<0.0000255	<0.0000255				
Thallium	October-16	mg/l													**0.000059J**										
Thallium	November-16	mg/l	<0.0000255	<0.0000255		<0.0000255	**0.000084J**	<0.0000255	<0.0000255	<0.0000255	<0.0000255	<0.0000255				**0.000034J**	<0.0000255	<0.0000255	<0.0000255	<0.0000255	<0.0000255				
Thallium	March-17	mg/l	<0.0000644	<0.0000644		<0.0000644	<0.0000644	**0.000071J**	<0.0000644	<0.0000644	<0.0000644	<0.0000644			<0.0000644	<0.0000644	<0.0000644	<0.0000644	<0.0000644	<0.0000644	<0.0000644				
Thallium	October-17	mg/L	<0.0000644	<0.0000644		<0.0000644	**0.000093J**	<0.0000644	<0.0000644	<0.0000644	**0.00007J**				<0.0000644	<0.0000644	<0.0000644	<0.0000644	<0.0000644	<0.0000644	<0.0000644				
Thallium	December-17	mg/L				<0.0000644					<0.0000644								<0.0000644		<0.0000644				
Thallium	April-18	mg/L	<0.000170	<0.000170		<0.000170	<0.000170	<0.000170	<0.000170	<0.000170	<0.000170	<0.000170			<0.000170	<0.000170	<0.000170	<0.000170	<0.000170	<0.000170	<0.000170				
Thallium	July-18	mg/L			<0.000170							<0.000170													
Thallium	October-18	mg/L	<0.000170	<0.000170		<0.000170	<0.000170		<0.000170						<0.000170		<0.000170								
Thallium	November-18	mg/L			<0.000170			<0.000170		<0.000170	<0.000170	<0.000170				<0.000170		<0.000170	<0.000170	<0.000170	<0.000170				
Thallium	January-19	mg/L			<0.000170																				
Thallium	March-19	mg/L	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270			<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270				
Thallium	May-19	mg/L			<0.000570															<0.000570					
Thallium	October-19	mg/L	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270			<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270				
Thallium	March-20	mg/L	<0.000260	<0.000260		<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260			<0.000260	<0.000260	<0.000260	<0.000260	<0.000260		<0.000260				
Thallium	April-20	mg/L			<0.000260															<0.000260					
Thallium	September-20	mg/L	<0.000260	<0.000260	<0.000260		<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260			<0.000260	**0.000294J**	<0.000260	<0.000260	<0.000260	<0.000260	**0.000404J**				
Thallium	October-20	mg/L				<0.000260																			
Thallium	November-20	mg/L	<0.000260																						
Thallium	December-20	mg/L	<0.000260																						
Thallium	March-21	mg/L		<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260					**0.000968J**	**0.00102**	<0.000260				**0.00115**				
Thallium	April-21	mg/L	**0.000817J**								<0.000260	<0.000260						<0.000260	<0.000260	<0.000260					
Thallium	May-21	mg/L																<0.000260							
Thallium	August-21	mg/L																							
Thallium	October-21	mg/L	<0.000260	<0.000260	<0.000260	<0.000260	**0.00033J**	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260			<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260				
Thallium	December-21	mg/L																<0.000260							
Thallium	February-22	mg/L	<0.000260																						<0.000260
Thallium	April-22	mg/L	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260			<0.000260	<0.000260	<0.000260	<0.00182	<0.000260	<0.000260	<0.000260				<0.000260
Thallium	July-22	mg/L																							<0.000260
Thallium	October-22	mg/L	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260				<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260				<0.000260

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Thallium	April-23	mg/L	**0.00198**	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260			<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260				**0.00249**
Thallium	May-23	mg/L																							
Thallium	June-23	mg/L	<0.000260																						<0.000260
Thallium	October-23	mg/L	<0.000260	<0.000260	<0.000260	<0.000260	**0.0129**	<0.000260	<0.000260	<0.000260	<0.000260				**0.000899J**	**0.00079J**	**0.0129**	<0.000260	<0.000260	**0.000835J**	<0.000260				<0.000260
Thallium, Dissolved	December-20	mg/L	**0.00124**																						
Thionazin	March-09	ug/l					<10	<10	<10																
Thionazin	June-09	ug/l				<10	<10	<10	<10	<10			<10												
Thionazin	September-09	ug/l				<10	<10	<10	<10	<10			<10												
Thionazin	December-09	ug/l				<10	<10	<10	<10	<10			<10												
Thionazin	March-10	ug/l				<10				<10			<10												
Thionazin	June-10	ug/l									<10														
Thionazin	August-10	ug/l									<10	<10													
Thionazin	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
Thionazin	December-10	ug/l									<10														
Thionazin	March-11	ug/l										<10		<10											
Thionazin	June-11	ug/l										<10		<10		<10	<10								
Thionazin	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
Thionazin	December-11	ug/l												<10		<10	<10								
Thionazin	March-12	ug/l														<10	<10								
Thionazin	December-14	ug/l															<10.2								
Thionazin	October-16	ug/l													<0.323										
Thionazin	November-16	ug/l						<0.31	<0.31	<0.337						<0.348	<0.344								
Thionazin	October-17	ug/L					<0.326																		
Thionazin	December-17	ug/L				<0.330					<0.323								<0.323		<0.323				
Thionazin	July-18	ug/L			<0.313							<0.323													
Thionazin	November-18	ug/L			<0.320							<0.323													
Thionazin	May-19	ug/L																		<0.313					
Thionazin	October-21	ug/L						<0.800	<0.800	<0.776						<0.792	<0.800								
Thionazin	December-21	ug/L																<0.800							
Thionazin	October-22	ug/L				<2.97	<2.97				<2.97								<2.97		<3.07				
Tin	March-09	mg/l					<0.1	<0.1	<0.1																
Tin	June-09	mg/l				<0.1	<0.1	<0.1	<0.1	<0.1			<0.1												
Tin	September-09	mg/l				<0.1	<0.1	<0.1	<0.1	<0.1			<0.1												
Tin	December-09	mg/l				<0.1	<0.1	<0.1	<0.1	<0.1			<0.1												
Tin	March-10	mg/l				<0.1	<0.1	<0.1	<0.1	<0.1			<0.1												
Tin	June-10	mg/l									<0.1														
Tin	August-10	mg/l									<0.1	<0.1													
Tin	September-10	mg/l				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1												
Tin	December-10	mg/l									<0.1														
Tin	March-11	mg/l				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1											
Tin	June-11	mg/l										<0.1		<0.1		<0.1	<0.1								
Tin	September-11	mg/l				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1		<0.1	<0.1								
Tin	December-11	mg/l												<0.1		<0.1	<0.1								
Tin	March-12	mg/l														<0.1	<0.1								
Tin	March-13	mg/l																							
Tin	September-13	mg/l																							
Tin	March-14	mg/l																							
Tin	June-14	mg/l																							
Tin	September-14	mg/l													**0.0774J**										
Tin	December-14	mg/l															**0.11**								
Tin	April-15	mg/l													<0.1		<0.1								
Tin	October-15	mg/l													<0.0018		<0.832								
Tin	April-16	mg/l															<0.000832								
Tin	October-16	mg/l													<0.000832										
Tin	November-16	mg/l						<0.000832	<0.000832	<0.000832						<0.000832	<0.000832								
Tin	March-17	mg/l															<0.00162								
Tin	October-17	mg/L													<0.00162		<0.00162								
Tin	October-17	ug/L					<1.62																		
Tin	December-17	ug/L				<1.62					<1.62								<1.62		<1.62				
Tin	April-18	mg/L															<0.000730								
Tin	July-18	ug/L			<0.730							<0.730													
Tin	October-18	ug/L															<0.730								
Tin	November-18	ug/L			**0.731J**							<0.730													
Tin	March-19	mg/L															<0.00180								
Tin	May-19	ug/L			<1.30																				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Tin	May-19	mg/L																		<0.00130					
Tin	October-19	mg/L															<0.00180								
Tin	October-21	ug/L						<3.00	<3.00	<3.00						<3.00	<3.00								
Tin	December-21	mg/L																<0.00300							
Tin	October-22	mg/L				<0.00300	<0.00300				<0.00300								<0.00300		<0.00300				
Toluene	January-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Toluene	March-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Toluene	August-08	ug/l				<1	<1	<1	**0.17J**	<1	<1	<1	<1	<1											
Toluene	September-08	ug/l				<1	<1	<1	**0.19J**	<1	<1	<1	**0.14J**	<1											
Toluene	October-08	ug/l				<1	<1	<1	**0.26J**	<1	<1	<1	<1	<1											
Toluene	March-09	ug/l				<1	<1	<1	**0.34J**	<1	<1	<1	<1	<1											
Toluene	June-09	ug/l				<5	<1	<1	<1	<1			<1												
Toluene	September-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Toluene	December-09	ug/l				<1	<1	<1	<1	<1			<1												
Toluene	March-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Toluene	June-10	ug/l									<1					<1	<1	<1	<1	<1					
Toluene	August-10	ug/l									<1	<1				<1	<1	<1	<1	<1					
Toluene	September-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Toluene	December-10	ug/l									<1					<1	<1	<1	<1	<1					
Toluene	March-11	ug/l		<1		<1	<1	<1	<10	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Toluene	April-11	ug/l				<1		<1	<10	<1							<1								
Toluene	June-11	ug/l		<1								<1		<1		<1	<1								
Toluene	July-11	ug/l	<1																						
Toluene	August-11	ug/l		<1																					
Toluene	September-11	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1		<1	<1	<1	<1	<1					
Toluene	December-11	ug/l	<1	<1										<1		<1	<1								
Toluene	March-12	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Toluene	June-12	ug/l													<1										
Toluene	October-12	ug/l	<1	<1		<1	<1	<1	<1	<1			<1	<1		<1	<1		<1						
Toluene	March-13	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1	<1	<1	<1	<1	<1						
Toluene	June-13	ug/l																			<1				
Toluene	September-13	ug/l	<1	<1		<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1				
Toluene	November-13	ug/l																			<1				
Toluene	March-14	ug/l	<1	<1		<1	<1	<1	**0.231J**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1				
Toluene	June-14	ug/l																		<1	<1				
Toluene	September-14	ug/l	<1	<1		<1	<1	<1	**0.328J**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
Toluene	December-14	ug/l															<1								
Toluene	April-15	ug/l	<1	<1		<1	<1	<1	**0.206J**	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1				
Toluene	October-15	ug/l	<0.15	<0.15		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				
Toluene	April-16	ug/l	<0.15	<0.15		<0.15	**0.196J**	<0.15	**0.2555J**	<0.15	<0.15	<0.15			<0.15	<0.15	<0.15	<0.15	<0.15	**0.168J**	<0.15				
Toluene	October-16	ug/l													<0.15										
Toluene	November-16	ug/l	<0.15	<0.15		<0.15	<0.15	<0.15	**0.322J**	<0.15	<0.15	<0.15				<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				
Toluene	March-17	ug/l	<0.15	<0.15		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15			<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				
Toluene	October-17	ug/L	<0.150	<0.150		<0.150	<0.150	<0.150	**0.167J**	<0.150	<0.150				<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150				
Toluene	December-17	ug/L				<0.150					<0.150								<0.150		<0.150				
Toluene	April-18	ug/L	<0.150	<0.150		<0.150	<0.150	<0.150	**0.23J**	<0.150	<0.150	<0.150			<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150				
Toluene	July-18	ug/L			<0.430							<0.430													
Toluene	October-18	ug/L	<0.430	<0.430		<0.430	<0.430		<0.430						<0.430		<0.430								
Toluene	November-18	ug/L			<0.430			<0.430		<0.430	<0.430	<0.430				<0.430		<0.430	<0.430	<0.430	<0.430				
Toluene	January-19	ug/L			<0.430																				
Toluene	March-19	ug/L	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430			<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430				
Toluene	May-19	ug/L			<0.430															<0.430					
Toluene	October-19	ug/L	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430			<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430				
Toluene	March-20	ug/L	<0.430	<0.430		<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430			<0.430	<0.430	<0.430	<0.430	<0.430		<0.430				
Toluene	April-20	ug/L			<0.430															<0.430					
Toluene	September-20	ug/L	<0.430	<0.430	<0.430		<0.430	<0.430	<0.430	<0.430	<0.430	<0.430			<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430				
Toluene	October-20	ug/L				<0.430																			
Toluene	March-21	ug/L		<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430					<0.430	<0.430	<0.430				<0.430				
Toluene	April-21	ug/L	<0.430								<0.430	<0.430						<0.430	<0.430	<0.430					
Toluene	May-21	ug/L																<0.430							
Toluene	August-21	ug/L																							
Toluene	October-21	ug/L	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430			<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430				
Toluene	December-21	ug/L																<0.430							
Toluene	February-22	ug/L	<0.430																						<0.430
Toluene	April-22	ug/L	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430			<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430				<0.430

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Toluene	July-22	ug/L																							<0.430
Toluene	October-22	ug/L	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430				<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430				<0.430
Toluene	April-23	ug/L	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430			<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430				<0.430
Toluene	May-23	ug/L																							
Toluene	October-23	ug/L	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430				<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430				<0.430
Total Kjeldahl Nitrogen	February-22	mg/L	2.88																						1.58
Total Suspended Solids	October-15	mg/L	94.4	<1.2		14.8	10.1	60.6	68.4	33.1	1.88		48.5	30	16.5	11.4	44.1	<1.2	6.87	1.63J	19.3	42.8			
Total Suspended Solids	April-16	mg/L	13.1	1J		1.63J	3.13	0.75J	85.3	34.6	23.8	0.625J	28.8	30.6	2.88	1.63J	52.1	6	4.75	0.625J	<0.581	47.3			
Total Suspended Solids	October-16	mg/L													1.88										
Total Suspended Solids	November-16	mg/L	104	<1.55		30.8	24	55	96	54.3	14.8	0.625J	83.7	58		18	75	270	44.5	62.6	50	572			
Total Suspended Solids	March-17	mg/L	53	8.8		5.67	3.6	9.4	56	31.3	<0.581	<0.581			1.75J	10.6	26.9	3	2.38	0.625J	5.5				
Total Suspended Solids	June-17	mg/L	836	8.5		4.38	4.38				1.13J	<0.581						2.25	2		0.625J				
Total Suspended Solids	October-17	mg/L	733	6.38		10.9	16	7.62	49.5	25.9	<0.581				0.875J	26.9	11.4	<0.581	13	0.625J	1.88				
Total Suspended Solids	December-17	mg/L				13.3					0.75J								6.63		2.13				
Total Suspended Solids	April-18	mg/L	31.8	70.1		12.1	2.75	34	107	32.8	0.875J	1.13J	32	36	2.25	4.38	31.1	0.875J	11.8	0.75J	27.6	32	20	6.4	
Total Suspended Solids	July-18	mg/L			30.5							0.875J													
Total Suspended Solids	October-18	mg/L	<0.638	1.13J		6.12	3.87		62.2				40.4	32	4.38		7.88					66.7			
Total Suspended Solids	November-18	mg/L			16			22.9		39.8	2.25	1.25J				12.8		4.38	49.2	5.83	20.3				
Total Suspended Solids	January-19	mg/L			24.3															2.63					
Total Suspended Solids	March-19	mg/L	13.1	12.1	11.6	14.9	4.38	19.4	70.2	71.3	<0.638	0.75J	9.87	21	10.5	3.75	35.1	2.38	14.8	2.88	7.5	3.5	9.87	13.3	
Total Suspended Solids	May-19	mg/L			6.63															1.63J					
Total Suspended Solids	October-19	mg/L	55.6	<0.638	5.63	3.25	3.87	11.6	58.9	26	1.63J	1.13J	20.4	17.3	9.5	1.63J	42.7	1.75J	7.38	3.13	1.5J	26.5	18.1	2.25	
Total Suspended Solids	March-20	mg/L	108	12.5		3J	1.13J	13	61.6	22.9	0.75J	<0.638	5.25	16	9.5	<0.638	21	<0.638	5.75		14.5	36	10.3	4.25	
Total Suspended Solids	April-20	mg/L			20															16.1					
Total Suspended Solids	September-20	mg/L	222	2	7.25		1.38J	7.6	62	23.3	0.75J	1.75J			5.5	1.13J	23	1J	13.5	2.88	2.38		39	1.5J	
Total Suspended Solids	October-20	mg/L				1.38J							16	11.7								23			
Total Suspended Solids	November-20	mg/L	372																						
Total Suspended Solids	December-20	mg/L	114																						
Total Suspended Solids	March-21	mg/L		43.6	24.4	1.50J	2.50	5.00	85.0	24.1				23.6	5	1.5J	17.9				7		10.9	2.75	
Total Suspended Solids	April-21	mg/L	53.4								<0.638	15.3	11.9					10.5	2.88	7.25		62.4			
Total Suspended Solids	May-21	mg/L																12.4							
Total Suspended Solids	August-21	mg/L																							
Total Suspended Solids	October-21	mg/L	88.3	4.88	15.1	3.25	8.13	11.1	71.2	29.9	<0.638	1.63J	22.3	20	543	32.1	47.6	3.13	4.38	11.8	8	34.3	27.4		
Total Suspended Solids	December-21	mg/L																3.5J							
Total Suspended Solids	February-22	mg/L	24J																						5.33
Total Suspended Solids	April-22	mg/L	14.5	8.25	36	<0.638	1.75J	6.12	79	33	0.75J	47	63	33	6.38	1.13J	23	5.13	<0.638	22	1.38J	70	18		10
Total Suspended Solids	July-22	mg/L																							56.5
Total Suspended Solids	October-22	mg/L	64	91	18.9	10.1	5.88	6.25	52	28.5	4.38		20.8	20.5	253	8	38	26.8	1.13J	28	4.5	44.5	20.8		15.5
Total Suspended Solids	December-22	mg/L		5.67																					
Total Suspended Solids	April-23	mg/L	80.3	6.75	48	8.75	2.13	6.38	87	37	1J	6.12	10.4	22.5	131	4	37	3.63	8.37	22	6.25	60.3	8.37		11.3
Total Suspended Solids	May-23	mg/L																							
Total Suspended Solids	June-23	mg/L	80															2.13							15
Total Suspended Solids	October-23	mg/L	78	2.25	47	5.13	2.13	17.3	50	30	0.75J		24	123	8.13	25	180	29	6.38	38	45	259	27		18
Total Suspended Solids	December-23	mg/L	80.0																						18.7
Toxaphene	March-09	ug/l					<2	<2	<2																
Toxaphene	June-09	ug/l				<2	<2	<2	<2	<2			<2												
Toxaphene	September-09	ug/l				<2	<2	<2	<2	<2			<2												
Toxaphene	December-09	ug/l				<2	<2	<2	<2	<2			<2												
Toxaphene	March-10	ug/l				<2				<2			<2												
Toxaphene	June-10	ug/l									<2														
Toxaphene	August-10	ug/l									<2	<2													
Toxaphene	September-10	ug/l				<2	<2	<2	<2	<2	<2	<2	<2												
Toxaphene	December-10	ug/l									<2														
Toxaphene	March-11	ug/l					<2	<2	<2	<2	<2	<2	<2	<2											
Toxaphene	June-11	ug/l										<2		<2		<2.45	<2								
Toxaphene	September-11	ug/l				<2	<2	<2	<2	<2	<2		<2	<2		<2	<2								
Toxaphene	December-11	ug/l												<2		<2	<2								
Toxaphene	March-12	ug/l														<2	<2								
Toxaphene	December-14	ug/l															<2.2								
Toxaphene	October-16	ug/l													<0.0604										
Toxaphene	November-16	ug/l						<0.0598	<0.058	<0.0624						<0.0598	<0.0598								
Toxaphene	October-17	ug/L					<0.0604																		
Toxaphene	December-17	ug/L				<0.0604					<0.0604								<0.0604		<0.0604				
Toxaphene	July-18	ug/L			<0.0586							<0.0604													
Toxaphene	November-18	ug/L			<0.0598							<0.0598													

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Toxaphene	May-19	ug/L																		<0.0592					
Toxaphene	October-21	ug/L						<0.432	<0.432	<0.432						<0.432	<0.432								
Toxaphene	December-21	ug/L																<0.432							
Toxaphene	October-22	ug/L				<0.585	<0.605				<0.585								<0.627		<0.585				
Toxaphene	April-23	ug/L								<0.690								<0.690							
Trichloroethene	January-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Trichloroethene	March-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Trichloroethene	August-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Trichloroethene	September-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Trichloroethene	October-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Trichloroethene	March-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Trichloroethene	June-09	ug/l				<5	<1	<1	<1	<1			<1												
Trichloroethene	September-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Trichloroethene	December-09	ug/l				<1	<1	<1	<1	<1			<1												
Trichloroethene	March-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Trichloroethene	June-10	ug/l									<1					<1	<1	<1	<1	<1					
Trichloroethene	August-10	ug/l									<1	<1				<1	<1	<1	<1	<1					
Trichloroethene	September-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Trichloroethene	December-10	ug/l									<1					<1	<1	<1	<1	<1					
Trichloroethene	March-11	ug/l		<1		<1	<1	<1	<10	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Trichloroethene	April-11	ug/l				<1		<1	<10	<1							<1								
Trichloroethene	June-11	ug/l		<1								<1		<1		<1	<1								
Trichloroethene	July-11	ug/l	<1																						
Trichloroethene	August-11	ug/l		<1																					
Trichloroethene	September-11	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1		<1	<1	<1	<1	<1					
Trichloroethene	December-11	ug/l	<1	<1										<1		<1	<1								
Trichloroethene	March-12	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Trichloroethene	June-12	ug/l													<1										
Trichloroethene	October-12	ug/l	<1	<1		<1	<1	<1	<1	<1			<1	<1		<1	<1		<1						
Trichloroethene	March-13	ug/l	<1	**0.289J**		<1	<1	**0.333J**	<10	<1	<1		<1	<1	<1	<1	<1	<1	<1						
Trichloroethene	June-13	ug/l																			<1				
Trichloroethene	September-13	ug/l	<1	<1		<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1				
Trichloroethene	November-13	ug/l																			<1				
Trichloroethene	March-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1				
Trichloroethene	June-14	ug/l																		<1	<1				
Trichloroethene	September-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
Trichloroethene	December-14	ug/l															<1								
Trichloroethene	April-15	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	**0.493J**			<1	<1	<1	<1	<1	<1	<1				
Trichloroethene	October-15	ug/l	<0.19	<0.19		<0.19	<0.19	<0.19	<0.19	<0.19	<0.19				<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19				
Trichloroethene	April-16	ug/l	<0.19	<0.19		<0.19	<0.19	**0.29J**	<0.19	<0.19	<0.19	<0.19			<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19				
Trichloroethene	October-16	ug/l													<0.19										
Trichloroethene	November-16	ug/l	<0.19	<0.19		<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19				<0.19	<0.19	<0.19	<0.19	<0.19	<0.19				
Trichloroethene	March-17	ug/l	<0.19	<0.19		<0.19	<0.19	**0.537J**	<0.19	<0.19	<0.19	<0.19			<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19				
Trichloroethene	October-17	ug/L	<0.190	<0.190		<0.190	<0.190	**1.39**	<0.190	<0.190	<0.190				<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190				
Trichloroethene	December-17	ug/L				<0.190					<0.190								<0.190		<0.190				
Trichloroethene	April-18	ug/L	<0.190	<0.190		<0.190	<0.190	**0.397J**	<0.190	<0.190	<0.190	<0.190			<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190				
Trichloroethene	July-18	ug/L			<0.430							<0.430													
Trichloroethene	October-18	ug/L	<0.430	<0.430		<0.430	<0.430		<0.430						<0.430		<0.430								
Trichloroethene	November-18	ug/L			<0.430			<0.430		<0.430	<0.430	<0.430				<0.430		<0.430	<0.430	<0.430	<0.430				
Trichloroethene	January-19	ug/L			<0.430																				
Trichloroethene	March-19	ug/L	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430			<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430				
Trichloroethene	May-19	ug/L			<0.430															<0.430					
Trichloroethene	October-19	ug/L	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430			<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430				
Trichloroethene	March-20	ug/L	<0.430	<0.430		<0.430	<0.430	**0.671J**	<0.430	<0.430	<0.430	<0.430			<0.430	<0.430	<0.430	<0.430	<0.430		<0.430				
Trichloroethene	April-20	ug/L			<0.430															<0.430					
Trichloroethene	September-20	ug/L	<0.430	<0.430	<0.430		<0.430	<0.430	<0.430	<0.430	<0.430	<0.430			<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430				
Trichloroethene	October-20	ug/L				<0.430																			
Trichloroethene	March-21	ug/L		<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430					<0.430	<0.430	<0.430				<0.430				
Trichloroethene	April-21	ug/L	<0.430								<0.430	<0.430						<0.430	<0.430	<0.430					
Trichloroethene	May-21	ug/L																<0.430							
Trichloroethene	August-21	ug/L																							
Trichloroethene	October-21	ug/L	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430			<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430				
Trichloroethene	December-21	ug/L																<0.430							
Trichloroethene	February-22	ug/L	<0.430																						<0.430
Trichloroethene	April-22	ug/L	<0.430	<0.430	<0.430	<0.430	<0.430	**0.757J**	<0.430	<0.430	<0.430	<0.430			<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430				<0.430

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Trichloroethene	July-22	ug/L																							<0.430
Trichloroethene	October-22	ug/L	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430				<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430				<0.430
Trichloroethene	April-23	ug/L	<0.430	<0.430	<0.430	<0.430	<0.430	**0.813J**	<0.430	<0.430	<0.430	<0.430			<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430				<0.430
Trichloroethene	May-23	ug/L																							
Trichloroethene	October-23	ug/L	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430				<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430				<0.430
Trichlorofluoromethane	October-15	ug/L	<0.17	<0.17		<0.17	<0.17	<0.17	<0.17	<0.17	<0.17				<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17				
Trichlorofluoromethane	April-16	ug/L	<0.17	<0.17		<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17			<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17				
Trichlorofluoromethane	October-16	ug/L													<0.17										
Trichlorofluoromethane	November-16	ug/L	<0.17	<0.17		<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17				<0.17	<0.17	<0.17	<0.17	<0.17	<0.17				
Trichlorofluoromethane	March-17	ug/L	<0.17	<0.17		<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17			<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17				
Trichlorofluoromethane	October-17	ug/L	<0.170	<0.170		<0.170	<0.170	<0.170	<0.170	<0.170	<0.170				<0.170	<0.170	<0.170	<0.170	<0.170	<0.170	<0.170				
Trichlorofluoromethane	December-17	ug/L				<0.170					<0.170								<0.170		<0.170				
Trichlorofluoromethane	April-18	ug/L	<0.170	<0.170		<0.170	<0.170	<0.170	<0.170	<0.170	<0.170	<0.170			<0.170	<0.170	<0.170	<0.170	<0.170	<0.170	<0.170				
Trichlorofluoromethane	July-18	ug/L			<0.380							<0.380													
Trichlorofluoromethane	October-18	ug/L	<0.380	<0.380		<0.380	<0.380		<0.380						<0.380		<0.380								
Trichlorofluoromethane	November-18	ug/L			<0.380			<0.380		<0.380	<0.380	<0.380				<0.380		<0.380	<0.380	<0.380	<0.380				
Trichlorofluoromethane	January-19	ug/L			<0.380																				
Trichlorofluoromethane	March-19	ug/L	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380			<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380				
Trichlorofluoromethane	May-19	ug/L			<0.380															<0.380					
Trichlorofluoromethane	October-19	ug/L	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380			<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380				
Trichlorofluoromethane	March-20	ug/L	<0.380	<0.380		<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380			<0.380	<0.380	<0.380	<0.380	<0.380		<0.380				
Trichlorofluoromethane	April-20	ug/L			<0.380															<0.380					
Trichlorofluoromethane	September-20	ug/L	<0.380	<0.380	<0.380		<0.380	<0.380	<0.380	<0.380	<0.380	<0.380			<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380				
Trichlorofluoromethane	October-20	ug/L				<0.380																			
Trichlorofluoromethane	March-21	ug/L		<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380					<0.380	<0.380	<0.380				<0.380				
Trichlorofluoromethane	April-21	ug/L	<0.380								<0.380	<0.380						<0.380	<0.380	<0.380					
Trichlorofluoromethane	May-21	ug/L																<0.380							
Trichlorofluoromethane	August-21	ug/L																							
Trichlorofluoromethane	October-21	ug/L	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380			<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380				
Trichlorofluoromethane	December-21	ug/L																<0.380							
Trichlorofluoromethane	February-22	ug/L	<0.380																						<0.380
Trichlorofluoromethane	April-22	ug/L	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380			<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380				<0.380
Trichlorofluoromethane	July-22	ug/L																							<0.380
Trichlorofluoromethane	October-22	ug/L	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380				<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380				<0.380
Trichlorofluoromethane	April-23	ug/L	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380			<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380				<0.380
Trichlorofluoromethane	May-23	ug/L																							
Trichlorofluoromethane	October-23	ug/L	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380				<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380				<0.380
Vanadium	January-08	mg/l				<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	**0.0711**	<0.05											
Vanadium	March-08	mg/l				<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05											
Vanadium	August-08	mg/l				<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	**0.0572**	<0.05											
Vanadium	September-08	mg/l				<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05											
Vanadium	October-08	mg/l				<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05											
Vanadium	March-09	mg/l				<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05											
Vanadium	June-09	mg/l				<0.05	<0.05	<0.05	<0.05	<0.05			<0.05												
Vanadium	September-09	mg/l				<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05											
Vanadium	December-09	mg/l				<0.05	<0.05	<0.05	<0.05	<0.05			<0.05												
Vanadium	March-10	mg/l				<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05											
Vanadium	June-10	mg/l									<0.05					<0.05	<0.05	<0.05	<0.05	<0.05					
Vanadium	August-10	mg/l									<0.05	<0.05				<0.05	<0.05	<0.05	<0.05	<0.05					
Vanadium	September-10	mg/l				<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05					
Vanadium	December-10	mg/l									<0.05					<0.05	<0.05	<0.05	<0.05	<0.05					
Vanadium	March-11	mg/l		<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05					
Vanadium	June-11	mg/l		<0.05								<0.05		<0.05		<0.05	<0.05								
Vanadium	July-11	mg/l	<0.05																						
Vanadium	August-11	mg/l		<0.05																					
Vanadium	September-11	mg/l	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05					
Vanadium	December-11	mg/l	<0.05	<0.05										<0.05		<0.05	<0.05								
Vanadium	March-12	mg/l	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05					
Vanadium	April-12	mg/l													**0.444**										
Vanadium	June-12	mg/l													**0.283**										
Vanadium	October-12	mg/l	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05			<0.05	<0.05	<0.05	<0.05	<0.05		<0.05						
Vanadium	March-13	mg/l	<0.05	<0.05		<0.05	<0.05	<0.05	**0.0133J**	<0.05	<0.05		<0.05	**0.00315J**	**0.129**	<0.05	<0.05	<0.05	**0.0187J**						
Vanadium	June-13	mg/l																			**0.00824J**				
Vanadium	September-13	mg/l	<0.05	<0.05		<0.05	<0.05	<0.05	**0.00383J**	<0.05	<0.05		<0.05	<0.05	**0.0862**	<0.05	<0.05	**0.0113J**	<0.05	<0.05	**0.03J**				
Vanadium	November-13	mg/l																			**0.022J**				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Vanadium	March-14	mg/l	<0.05	<0.05		<0.05	<0.05	<0.05	**0.00667J**	<0.05	<0.05	<0.05	**0.00267J**	<0.05	**0.0172J**	<0.05	<0.05	<0.05	<0.05		**0.0104J**				
Vanadium	June-14	mg/l																		<0.05	**0.00596J**				
Vanadium	September-14	mg/l	**0.000592J**	<0.005		<0.005	<0.005	<0.005	**0.00581**	**0.000588J**	**0.000986J**	**0.000947J**	<0.005	<0.005	**0.00836**	<0.005	<0.005	**0.00107J**	**0.00152J**	**0.000727J**	**0.00677**				
Vanadium	December-14	mg/l															<0.005								
Vanadium	April-15	mg/l	<0.005	<0.005		<0.005	<0.005	<0.005	**0.00476J**	<0.005	<0.005				**0.00244J**	<0.005	<0.005	<0.005	<0.005	<0.005	**0.00104J**				
Vanadium	October-15	mg/l	<0.000449	<0.000449		**0.00104J**	<0.000449	**0.000464J**	**0.00515**	<0.000255	**0.000932J**				<0.000449	<0.000255	<0.000255	<0.000449	<0.000255	<0.000449	**0.00129J**				
Vanadium	April-16	mg/l	<0.000255	<0.000255		**0.000313J**	<0.000255	**0.000284J**	**0.00404J**	**0.000397J**	**0.000374J**	**0.000621J**			<0.000255	<0.000255	<0.000255	**0.000686J**	<0.000255	**0.000279J**	<0.000255				
Vanadium	October-16	mg/l													**0.00108J**										
Vanadium	November-16	mg/l	**0.000278J**	<0.000255		**0.00334J**	**0.000663J**	**0.000386J**	**0.00356J**	**0.000797J**	**0.00382**	**0.00283**				**0.000443J**	**0.00162J**	**0.00237J**	**0.00201**	**0.00231J**	**0.00425**				
Vanadium	March-17	mg/l	<0.00084	<0.00084		<0.00084	<0.00084	<0.00084	**0.00353J**	<0.00084	<0.00084	<0.00084			<0.00084	<0.00084	<0.00084	<0.00084	<0.00084	<0.00084	<0.00084				
Vanadium	October-17	mg/L	<0.000840	<0.000840		<0.000840	<0.000840	<0.000840	**0.00329J**	<0.000840	<0.000840				<0.000840	<0.000840	<0.000840	<0.000840	<0.000840	<0.000840	<0.000840				
Vanadium	December-17	mg/L				**0.00163J**					<0.000840								**0.00159J**		<0.000840				
Vanadium	April-18	mg/L	<0.000520	**0.00646**		**0.00107J**	**0.000537J**	<0.000520	**0.00355J**	<0.000520	**0.001J**	**0.000999J**			<0.000520	**0.000688J**	<0.000520	<0.000520	**0.0011J**	**0.000748J**	<0.000520				
Vanadium	July-18	mg/L			<0.000520							**0.000594J**													
Vanadium	October-18	mg/L	<0.000520	<0.000520		**0.0011J**	<0.000520		**0.00234J**						**0.000981J**		<0.000520								
Vanadium	November-18	mg/L			<0.000520			**0.000559J**		**0.000774J**	**0.000772J**	**0.000915J**				<0.000520		<0.000520	<0.000520	**0.000564J**	<0.000520				
Vanadium	January-19	mg/L			<0.000520																				
Vanadium	March-19	mg/L	<0.000820	<0.000820	<0.000820	**0.00198J**	<0.000820	<0.000820	**0.0052**	<0.000820	<0.000820	<0.000820			<0.000820	<0.000820	<0.000820	<0.000820	<0.000820	<0.000820	<0.000820				
Vanadium	May-19	mg/L			<0.00215															<0.00215					
Vanadium	October-19	mg/L	<0.000820	<0.000820	<0.000820	**0.0013J**	<0.000820	<0.000820	**0.00269J**	<0.000820	**0.001J**	<0.000820			<0.000820	<0.000820	<0.000820	<0.000820	**0.00102J**	<0.000820	<0.000820				
Vanadium	March-20	mg/L	**0.000923J**	<0.000820		**0.000993J**	<0.000820	<0.000820	**0.00282J**	<0.000820	<0.000820	**0.000898J**			<0.000820	<0.000820	<0.000820	<0.000820	<0.000820		<0.000820				
Vanadium	April-20	mg/L			<0.000820															<0.000820					
Vanadium	September-20	mg/L	<0.000850	<0.000850	<0.000850		<0.000850	<0.000850	**0.00237J**	<0.000850	**0.000971J**	<0.000850			<0.000850	<0.000850	<0.000850	<0.000850	<0.000850	<0.000850	<0.000850				
Vanadium	October-20	mg/L				**0.00262J**																			
Vanadium	November-20	mg/L	**0.00291J**																						
Vanadium	December-20	mg/L	<0.000850																						
Vanadium	March-21	mg/L		<0.00110	<0.00110	**0.00244J**	<0.00110	<0.00110	**0.00427J**	<0.00110					<0.00110	<0.00110	<0.00110				<0.00110				
Vanadium	April-21	mg/L	<0.00110								<0.00110	<0.00110						<0.00110	<0.00110	<0.00110					
Vanadium	May-21	mg/L																<0.00110							
Vanadium	August-21	mg/L																							
Vanadium	October-21	mg/L	<0.00110	<0.00110	<0.00110	**0.00161J**	<0.00110	<0.00110	**0.00326J**	<0.00110	<0.00110	<0.00110			**0.00796**	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110				
Vanadium	December-21	mg/L																<0.00110							
Vanadium	February-22	mg/L	<0.00110																						<0.00110
Vanadium	April-22	mg/L	<0.00110	<0.00110	<0.00110	**0.0017J**	<0.00110	<0.00110	**0.00391J**	<0.00110	<0.00110	<0.00110			<0.00110	<0.00110	<0.00110	<0.00770	**0.00161J**	<0.00110	<0.00110				<0.00110
Vanadium	July-22	mg/L																							**0.00173J**
Vanadium	October-22	mg/L	<0.00110	**0.00255J**	<0.00110	**0.00259J**	<0.00110	<0.00110	**0.00391J**	<0.00110	<0.00110				**0.00394J**	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110				<0.00110
Vanadium	April-23	mg/L	<0.00110	<0.00110	<0.00110	**0.00178J**	<0.00110	<0.00110	**0.00299J**	<0.00110	<0.00110	<0.00110			**0.00416J**	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110				<0.00110
Vanadium	May-23	mg/L																							
Vanadium	October-23	mg/L	<0.00110	<0.00110	<0.00110	**0.00127J**	<0.00110	<0.00110	**0.00439J**	<0.00110	<0.00110				**0.00205J**	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	**0.00193J**				<0.00110
Vanadium, Dissolved	December-20	mg/L	<0.000850																						
Vinyl Acetate	January-08	ug/l				<2	<2	<2	<2	<2	<2	<2	<2	<2											
Vinyl Acetate	March-08	ug/l				<2	<2	<2	<2	<2	<2	<2	<2	<2											
Vinyl Acetate	August-08	ug/l				<2	<2	<2	<2	<2	<2	<2	<2	<2											
Vinyl Acetate	September-08	ug/l				<2	<2	<2	<2	<2	<2	<2	<2	<2											
Vinyl Acetate	October-08	ug/l				<2	<2	<2	<2	<2	<2	<2	<2	<2											
Vinyl Acetate	March-09	ug/l				<2	<2	<2	<2	<2	<2	<2	<2	<2											
Vinyl Acetate	June-09	ug/l				<10	<2	<2	<2	<2			<2												
Vinyl Acetate	September-09	ug/l				<2	<2	<2	<2	<2	<2	<2	<2	<2											
Vinyl Acetate	December-09	ug/l				<2	<2	<2	<2	<2			<2												
Vinyl Acetate	March-10	ug/l				<2	<2	<2	<2	<2	<2	<2	<2	<2											
Vinyl Acetate	June-10	ug/l									<2					<2	<2	<2	<2	<2					
Vinyl Acetate	August-10	ug/l									<2	<2				<2	<2	<2	<2	<2					
Vinyl Acetate	September-10	ug/l				<2	<2	<2	<2	<2	<2	<2	<2	<2		<2	<2	<2	<2	<2					
Vinyl Acetate	December-10	ug/l									<2					<2	<2	<2	<2	<2					
Vinyl Acetate	March-11	ug/l		<2		<75	<2	<2	<750	<2	<2	<2	<2	<2		<2	<2	<2	<2	<2					
Vinyl Acetate	April-11	ug/l				<4		<4	<40	<4							<4								
Vinyl Acetate	June-11	ug/l		<2								<2		<2		<2	<2								
Vinyl Acetate	July-11	ug/l	<2																						
Vinyl Acetate	August-11	ug/l		<2																					
Vinyl Acetate	September-11	ug/l	<2	<2		<2	<2	<2	<20	<2	<2		<2	<2		<2	<2	<2	<2	<2					
Vinyl Acetate	December-11	ug/l	<20	<2										<20		<20	<20								
Vinyl Acetate	March-12	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
Vinyl Acetate	June-12	ug/l													<2										
Vinyl Acetate	October-12	ug/l	<2	<2		<2	<2	<2	<2	<2			<2	<2		<2	<2		<2						
Vinyl Acetate	March-13	ug/l	<2	<2		<2	<2	<2	<20	<2	<2		<2	<2	<2	<2	<2	<2	<2						

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Vinyl Acetate	June-13	ug/l																			<2				
Vinyl Acetate	September-13	ug/l	<2	<2		<2	<2	<2	<2	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2				
Vinyl Acetate	November-13	ug/l																			<2				
Vinyl Acetate	March-14	ug/l	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2		<2				
Vinyl Acetate	June-14	ug/l																		<2	<2				
Vinyl Acetate	September-14	ug/l	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2				
Vinyl Acetate	December-14	ug/l															<10								
Vinyl Acetate	April-15	ug/l	<10	<10		<10	<10	<10	<10	<10	<10				<10	<10	<10	<10	<10	<10	<10				
Vinyl Acetate	October-15	ug/l	<0.74	<0.74		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74				<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74				
Vinyl Acetate	April-16	ug/l	<0.74	<0.74		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74			<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74				
Vinyl Acetate	October-16	ug/l													<0.74										
Vinyl Acetate	November-16	ug/l	<0.74	<0.74		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74				<0.74	<0.74	<0.74	<0.74	<0.74	<0.74				
Vinyl Acetate	March-17	ug/l	<0.74	<0.74		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74			<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74				
Vinyl Chloride	January-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Vinyl Chloride	March-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Vinyl Chloride	August-08	ug/l				<1	<1	<1	**0.46J**	<1	<1	<1	<1	<1											
Vinyl Chloride	September-08	ug/l				<1	<1	<1	**0.32J**	<1	<1	<1	<1	<1											
Vinyl Chloride	October-08	ug/l				<1	<1	<1	**0.32J**	<1	<1	<1	<1	<1											
Vinyl Chloride	March-09	ug/l				<1	<1	<1	**0.7J**	**0.26J**	<1	<1	<1	<1											
Vinyl Chloride	June-09	ug/l				<5	<1	<1	<1	<1			<1												
Vinyl Chloride	September-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
Vinyl Chloride	December-09	ug/l				<1	<1	<1	<1	<1			<1												
Vinyl Chloride	March-10	ug/l				<1	<1	<2.5	<2.5	<1	<1	<1	<2.5	<1											
Vinyl Chloride	June-10	ug/l									<1					<1	<1	<1	<1	<1					
Vinyl Chloride	August-10	ug/l									<1	<1				<1	<1	<1	<1	<1					
Vinyl Chloride	September-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Vinyl Chloride	December-10	ug/l									<1					<1	<1	<1	<1	<1					
Vinyl Chloride	March-11	ug/l		<1		<1	<1	<1	<10	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Vinyl Chloride	April-11	ug/l				<1		<1	<10	<1							<1								
Vinyl Chloride	June-11	ug/l		<1								<1		<1		<1	<1								
Vinyl Chloride	July-11	ug/l	<1																						
Vinyl Chloride	August-11	ug/l		<1																					
Vinyl Chloride	September-11	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1		<1	<1	<1	<1	<1					
Vinyl Chloride	December-11	ug/l	<1	<0.1										<1		<1	<1								
Vinyl Chloride	March-12	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
Vinyl Chloride	June-12	ug/l													<1										
Vinyl Chloride	October-12	ug/l	<1	<1		<1	<1	<1	<1	<1			<1	<1		<1	<1		<1						
Vinyl Chloride	March-13	ug/l	**0.287J**	<1		<1	<1	<1	<10	<1	<1		<1	<1	<1	<1	<1	<1	<1						
Vinyl Chloride	June-13	ug/l																			<1				
Vinyl Chloride	September-13	ug/l	**0.701J**	<1		<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1				
Vinyl Chloride	November-13	ug/l																			<1				
Vinyl Chloride	March-14	ug/l	<1	<1		<1	<1	<1	**0.2J**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1				
Vinyl Chloride	June-14	ug/l																		<1	<1				
Vinyl Chloride	September-14	ug/l	<1	<1		<1	<1	<1	**0.172J**	<1	<1	<1	**0.111J**	<1	<1	<1	<1	<1	<1	<1	<1				
Vinyl Chloride	December-14	ug/l															<1								
Vinyl Chloride	April-15	ug/l	**0.332J**	<1		<1	<1	<1	**0.229J**	**0.223J**	<1				<1	<1	<1	<1	<1	<1	<1				
Vinyl Chloride	October-15	ug/l	**0.293J**	<0.1		<0.1	<0.1	<0.1	<0.1	**0.181J**	<0.1				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Vinyl Chloride	April-16	ug/l	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	**0.269J**	<0.1	<0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Vinyl Chloride	October-16	ug/l													<0.1										
Vinyl Chloride	November-16	ug/l	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	**0.114J**	<0.1	<0.1				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Vinyl Chloride	March-17	ug/l	<0.1	<0.1		<0.1	<0.1	<0.1	**0.153J**	**0.168J**	<0.1	<0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Vinyl acetate	October-17	ug/L	<0.740	<0.740		<0.740	<0.740	<0.740	<0.740	<0.740	<0.740				<0.740	<0.740	<0.740	<0.740	<0.740	<0.740	<0.740				
Vinyl acetate	December-17	ug/L				<0.740					<0.740								<0.740		<0.740				
Vinyl acetate	April-18	ug/L	<0.740	<0.740		<0.740	<0.740	<0.740	<0.740	<0.740	<0.740	<0.740			<0.740	<0.740	<0.740	<0.740	<0.740	<0.740	<0.740				
Vinyl acetate	July-18	ug/L			<2.50							<2.50													
Vinyl acetate	October-18	ug/L	<2.50	<2.50		<2.50	<2.50		<2.50						<2.50		<2.50								
Vinyl acetate	November-18	ug/L			<2.50			<2.50		<2.50	<2.50	<2.50				<2.50		<2.50	<2.50	<2.50	<2.50				
Vinyl acetate	January-19	ug/L			<2.50																				
Vinyl acetate	March-19	ug/L	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50			<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50				
Vinyl acetate	May-19	ug/L			<2.50															<2.50					
Vinyl acetate	October-19	ug/L	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50			<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50				
Vinyl acetate	March-20	ug/L	<2.50	<2.50		<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50			<2.50	<2.50	<2.50	<2.50	<2.50		<2.50				
Vinyl acetate	April-20	ug/L			<2.50															<2.50					
Vinyl acetate	September-20	ug/L	<2.50	<2.50	<2.50		<2.50	<2.50	<2.50	<2.50	<2.50	<2.50			<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50				
Vinyl acetate	October-20	ug/L				<2.50																			

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Vinyl acetate	March-21	ug/L		<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50					<2.50	<2.50	<2.50				<2.50				
Vinyl acetate	April-21	ug/L	<2.50								<2.50	<2.50						<2.50	<2.50	<2.50					
Vinyl acetate	May-21	ug/L																<2.50							
Vinyl acetate	August-21	ug/L																							
Vinyl acetate	October-21	ug/L	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50			<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50				
Vinyl acetate	December-21	ug/L																<2.50							
Vinyl acetate	February-22	ug/L	<2.50																						<2.50
Vinyl acetate	April-22	ug/L	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50			<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50				<2.50
Vinyl acetate	July-22	ug/L																							<2.50
Vinyl acetate	October-22	ug/L	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50				<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50				<2.50
Vinyl acetate	April-23	ug/L	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50			<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50				<2.50
Vinyl acetate	May-23	ug/L																							
Vinyl acetate	October-23	ug/L	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50				<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50				<2.50
Vinyl chloride	October-17	ug/L	<0.100	<0.100		<0.100	<0.100	<0.100	<0.100	**0.167J**	<0.100				<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100				
Vinyl chloride	December-17	ug/L				<0.100					<0.100								<0.100		<0.100				
Vinyl chloride	April-18	ug/L	<0.100	<0.100		<0.100	<0.100	<0.100	**0.145J**	<0.100	<0.100	<0.100			<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100				
Vinyl chloride	July-18	ug/L			<0.600							<0.600													
Vinyl chloride	October-18	ug/L	<0.600	<0.600		<0.600	<0.600		<0.600						<0.600		<0.600								
Vinyl chloride	November-18	ug/L			<0.600			<0.600		<0.600	<0.600	<0.600				<0.600		<0.600	<0.600	<0.600	<0.600				
Vinyl chloride	January-19	ug/L			<0.600																				
Vinyl chloride	March-19	ug/L	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600			<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600				
Vinyl chloride	May-19	ug/L			<0.180															<0.180					
Vinyl chloride	October-19	ug/L	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180			<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180				
Vinyl chloride	March-20	ug/L	<0.180	<0.180		<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180			<0.180	<0.180	<0.180	<0.180	<0.180		<0.180				
Vinyl chloride	April-20	ug/L			<0.180															<0.180					
Vinyl chloride	September-20	ug/L	<0.180	<0.180	<0.180		<0.180	<0.180	<0.180	<0.180	<0.180	<0.180			<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180				
Vinyl chloride	October-20	ug/L				<0.180																			
Vinyl chloride	March-21	ug/L		<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180					<0.180	<0.180	<0.180				<0.180				
Vinyl chloride	April-21	ug/L	<0.180								<0.180	<0.180						<0.180	<0.180	<0.180					
Vinyl chloride	May-21	ug/L																<0.180							
Vinyl chloride	August-21	ug/L																							
Vinyl chloride	October-21	ug/L	**0.235J**	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180			<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180				
Vinyl chloride	December-21	ug/L																**0.214J**							
Vinyl chloride	February-22	ug/L	<0.180																						<0.180
Vinyl chloride	April-22	ug/L	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180			<0.180	<0.180	<0.180	**0.398J**	<0.180	<0.180	<0.180				<0.180
Vinyl chloride	July-22	ug/L																							<0.180
Vinyl chloride	October-22	ug/L	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	**0.192J**	<0.180				<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180				<0.180
Vinyl chloride	April-23	ug/L	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180			<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180				<0.180
Vinyl chloride	May-23	ug/L																							
Vinyl chloride	October-23	ug/L	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180				<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180				<0.180
Xylenes, Total	January-08	ug/l				<3	<3	<3	<3	<3	<3	<3	<3	<3											
Xylenes, Total	March-08	ug/l				<3	<3	<3	<3	<3	<3	<3	<3	<3											
Xylenes, Total	August-08	ug/l				<3	<3	<3	**0.41J**	<3	<3	<3	<3	<3											
Xylenes, Total	September-08	ug/l				<3	<3	<3	**0.6J**	<3	<3	**0.48J**	**0.43J**	**0.4J**											
Xylenes, Total	October-08	ug/l				<3	<3	<3	**0.53J**	<3	<3	<3	<3	<3											
Xylenes, Total	March-09	ug/l				<3	<3	<3	**0.75J**	<3	<3	<3	<3	<3											
Xylenes, Total	June-09	ug/l				<15	<3	<3	<3	<3			<3												
Xylenes, Total	September-09	ug/l				<3	<3	<3	<3	<3	<3	<3	<3	<3											
Xylenes, Total	December-09	ug/l				<7	<7	<7	<4	<4			<4												
Xylenes, Total	March-10	ug/l				<3	<3	<7.5	<7.5	<3	<3	<3	<7.5	<3											
Xylenes, Total	June-10	ug/l									<3					<3	<3	<3	<3	<3					
Xylenes, Total	August-10	ug/l									<3	<3				<3	<3	<3	<3	<3					
Xylenes, Total	September-10	ug/l				<3	<3	<3	<3	<3	<3	<3	<3	<3		<3	<3	<3	<3	<3					
Xylenes, Total	December-10	ug/l									<3					<3	<3	<3	<3	<3					
Xylenes, Total	March-11	ug/l		<3		<3	<3	<3	<30	<3	<3	<3	<3	<3		<3	<3	<3	<3	<3					
Xylenes, Total	April-11	ug/l				<3		<3	<30	<3							<3								
Xylenes, Total	June-11	ug/l		<3								<3		<3		<3	<3								
Xylenes, Total	July-11	ug/l	<3																						
Xylenes, Total	August-11	ug/l		<3																					
Xylenes, Total	September-11	ug/l	<3	<3		<3	<3	<3	<30	<3	<3		<3	<3		<3	<3	<3	<3	<3					
Xylenes, Total	December-11	ug/l	<3	<3										<3		<3	<3								
Xylenes, Total	March-12	ug/l	<3	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3		<3	<3	<3	<3	<3					
Xylenes, Total	June-12	ug/l													<3										
Xylenes, Total	October-12	ug/l	<3	<3		<3	<3	<3	<3	<3			<3	<3		<3	<3		<3						
Xylenes, Total	March-13	ug/l	<3	<3		<3	<3	<3	<30	<3	<3		<3	<3	<3	<3	<3	<3	<3						

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Xylenes, Total	June-13	ug/l																			<3				
Xylenes, Total	September-13	ug/l	<3	<3		<3	<3	<3	<3	<3	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3				
Xylenes, Total	November-13	ug/l																			<3				
Xylenes, Total	March-14	ug/l	<3	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3		<3				
Xylenes, Total	June-14	ug/l																		<3	<3				
Xylenes, Total	September-14	ug/l	<3	<3		<3	<3	<3	**0.424J**	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3				
Xylenes, Total	December-14	ug/l															<3								
Xylenes, Total	April-15	ug/l	<3	<3		<3	<3	<3	**0.415J**	<3	<3				<3	<3	<3	<3	<3	<3	<3				
Xylenes, Total	October-15	ug/l	<0.13	<0.13		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13				<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13				
Xylenes, Total	April-16	ug/l	<0.13	<0.13		<0.13	<0.13	<0.13	**0.144J**	<0.13	<0.13	<0.13			<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13				
Xylenes, Total	October-16	ug/l													<0.13										
Xylenes, Total	November-16	ug/l	<0.13	<0.13		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13				<0.13	<0.13	<0.13	<0.13		<0.13				
Xylenes, Total	March-17	ug/l	<0.13	<0.13		**0.951J**	**0.573J**	<0.13	**0.687J**	<0.13	**2.69J**	**3.89**			**0.519J**	**0.392J**	**0.806J**	**4.88**	**1.35J**	**2.37J**	**1.05J**				
Xylenes, Total	June-17	ug/l										<0.13						<0.13							
Xylenes, Total	October-17	ug/L	<0.130	<0.130		**0.704J**	**1.62J**	**0.488J**	**0.724J**	**0.628J**	**0.44J**				**0.42J**	**1.14J**	**1.29J**	**0.29J**	**0.602J**	**0.292J**	<0.130				
Xylenes, Total	December-17	ug/L				<0.130					<0.130								<0.130		<0.130				
Xylenes, Total	April-18	ug/L	<0.130	<0.130		<0.130	**0.522J**	<0.130	**0.205J**	<0.130	<0.130	**0.312J**			<0.130	<0.130	**0.395J**	<0.130	<0.130	**0.427J**	<0.130				
Xylenes, Total	July-18	ug/L			<0.400							<0.400													
Xylenes, Total	October-18	ug/L	<0.400	<0.400		<0.400	<0.400		<0.400						<0.400		<0.400								
Xylenes, Total	November-18	ug/L			<0.400			<0.400		<0.400	<0.400	<0.400				<0.400		<0.400	<0.400	<0.400	<0.400				
Xylenes, Total	January-19	ug/L			<0.400																				
Xylenes, Total	March-19	ug/L	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400			<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400				
Xylenes, Total	May-19	ug/L			<0.400															<0.400					
Xylenes, Total	October-19	ug/L	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400			<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400				
Xylenes, Total	March-20	ug/L	<0.400	<0.400		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400			<0.400	<0.400	<0.400	<0.400	<0.400		<0.400				
Xylenes, Total	April-20	ug/L			<0.400															<0.400					
Xylenes, Total	September-20	ug/L	<0.400	<0.400	<0.400		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400			<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400				
Xylenes, Total	October-20	ug/L				<0.400																			
Xylenes, Total	March-21	ug/L		<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400					<0.400	<0.400	<0.400				<0.400				
Xylenes, Total	April-21	ug/L	<0.400								<0.400	<0.400						<0.400	<0.400	<0.400					
Xylenes, Total	May-21	ug/L																**0.436J**							
Xylenes, Total	August-21	ug/L																							
Xylenes, Total	October-21	ug/L	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400			<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400				
Xylenes, Total	December-21	ug/L																<0.400							
Xylenes, Total	February-22	ug/L	<0.400																						<0.400
Xylenes, Total	April-22	ug/L	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400			<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400				<0.400
Xylenes, Total	July-22	ug/L																							<0.400
Xylenes, Total	October-22	ug/L	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400				<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400				<0.400
Xylenes, Total	April-23	ug/L	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400			<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400				<0.400
Xylenes, Total	May-23	ug/L																							
Xylenes, Total	October-23	ug/L	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400				<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400				<0.400
Zinc	January-08	mg/l				<0.02	<0.02	<0.02	<0.1	<0.02	**0.0435**	<0.02	**0.0615**	<0.02											
Zinc	March-08	mg/l				<0.02	<0.02	<0.02	<0.02	<0.02	**0.0204**	<0.02	<0.02	<0.02											
Zinc	August-08	mg/l				**0.134**	**0.185**	**0.118**	<0.1	**0.164**	**0.155**	**0.0355**	**0.107**	**0.122**											
Zinc	September-08	mg/l				**0.0348**	**0.0479**	**0.0288**	<0.1	**0.0396**	**0.0582**	<0.02	**0.0233**	<0.02											
Zinc	October-08	mg/l				**0.0315**	**0.0385**	**0.0251**	<0.1	**0.0322**	**0.0558**	<0.02	<0.02	<0.02											
Zinc	March-09	mg/l				**0.0753**	**0.0514**	**0.0571**	<0.1	**0.0716**	**0.064**	**0.0202**	**0.0311**	**0.0415**											
Zinc	June-09	mg/l				**0.0912**	**0.0628**	**0.0763**	<0.1	**0.0848**			**0.0424**												
Zinc	September-09	mg/l				**0.092**	**0.106**	**0.0871**	<0.06	**0.0993**	**0.082**	**0.0761**	**0.0536**	**0.0616**											
Zinc	December-09	mg/l				**0.132**	**0.12**	**0.117**	<0.06	**0.126**			**0.0802**												
Zinc	March-10	mg/l				**0.0761**	**0.105**	**0.104**	<0.1	**0.133**	**0.129**	**0.1**	**0.058**	**0.0554**											
Zinc	June-10	mg/l									**0.0365**					<0.02	**0.0303**	<0.02	**0.0215**	<0.02					
Zinc	August-10	mg/l									**0.0369**	**0.0322**				<0.02	**0.0257**	<0.02	**0.023**	<0.02					
Zinc	September-10	mg/l				<0.02	**0.0276**	**0.0276**	<0.16	**0.0319**	**0.033**	**0.035**	<0.02	<0.02		<0.02	**0.0315**	<0.02	**0.0246**	<0.02					
Zinc	December-10	mg/l									**0.0497**					<0.02	**0.0237**	<0.02	**0.0443**	<0.02					
Zinc	March-11	mg/l		**0.0261**		**0.0283**	**0.0377**	**0.0262**	<0.06	**0.0472**	**0.0491**	**0.0481**	<0.02	<0.02		<0.02	**0.028**	<0.02	**0.0908**	<0.02					
Zinc	June-11	mg/l		<0.02								<0.02		<0.02		<0.02	<0.02								
Zinc	July-11	mg/l	<0.02																						
Zinc	August-11	mg/l		<0.02																					
Zinc	September-11	mg/l	<0.02	<0.02		<0.02	<0.02	<0.02	<0.1	<0.02	<0.02		<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02					
Zinc	December-11	mg/l	<0.02	<0.02										<0.02		<0.02	<0.02								
Zinc	March-12	mg/l	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02					
Zinc	April-12	mg/l													**1.36**										
Zinc	June-12	mg/l													**0.678**										
Zinc	October-12	mg/l	<0.02	<0.02		<0.02	<0.02	<0.02	<0.06	<0.02			<0.02	<0.02	<0.02	<0.02	<0.02		<0.02						

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
Zinc	March-13	mg/l	**0.053**	**0.0421**		**0.0613**	**0.0606**	**0.0735**	**0.0303**	**0.0479**	**0.0493**		**0.0489**	**0.0317**	**0.468**	**0.0504**	**0.0432**	**0.0144J**	**0.108**						
Zinc	June-13	mg/l																			**0.0078J**				
Zinc	September-13	mg/l	**0.158**	**0.0373**		**0.0658**	**0.0559**	**0.0704**	**0.0477**	**0.0708**	**0.212**		**0.0715**	**0.151**	**0.426**	**0.146**	**0.171**	**0.0859**	**0.22**	**0.12**	**0.0757**				
Zinc	November-13	mg/l																			<0.0555				
Zinc	March-14	mg/l	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	**0.0547**	<0.02	<0.02	<0.02	<0.02		<0.02				
Zinc	June-14	mg/l																		<0.02	<0.02				
Zinc	September-14	mg/l	<0.01	**0.00764J**		<0.01	**0.00823J**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	**0.0182**	**0.0119**	<0.01	<0.01	**0.0155**	<0.01	**0.00954J**				
Zinc	December-14	mg/l															<0.01								
Zinc	April-15	mg/l	<0.01	<0.01		<0.01	**0.0147**	<0.01	<0.01	<0.01	<0.01				<0.01	**0.00736J**	<0.01	<0.01	**0.0174**	<0.01	**0.00705J**				
Zinc	October-15	mg/l	**0.00837J**	<0.00695		<0.00695	**0.0142**	<0.00695	<0.00695	<0.00521	<0.00695				<0.00695	<0.00521	<0.00521	<0.00695	<0.00521	**0.0101**	<0.00521				
Zinc	April-16	mg/l	<0.00521	<0.00521		<0.00521	**0.00641J**	<0.00521	<0.00521	**0.0172**	<0.00521	<0.00521			<0.00521	<0.00521	<0.00521	<0.00521	<0.00521	<0.00521	<0.00521				
Zinc	October-16	mg/l													<0.00521										
Zinc	November-16	mg/l	<0.00521	<0.00521		**0.0137**	**0.0197**	**0.0364**	**0.00646J**	**0.407**	**0.00796J**	<0.00521				**0.00562J**	**0.278**	**0.00804J**	**0.0066J**	**0.00627J**	<0.00521				
Zinc	March-17	mg/l	<0.0115	<0.0115		<0.0115	<0.0115	<0.0115	<0.0115	<0.0115	<0.0115	<0.0115			<0.0115	<0.0115	<0.0115	<0.0115	<0.0115	<0.0115	<0.0115				
Zinc	October-17	mg/L	**0.0161J**	<0.0115		<0.0115	**0.0939**	<0.0115	<0.0115	<0.0115	<0.0115				<0.0115	<0.0115	<0.0115	<0.0115	<0.0115	<0.0115	<0.0115				
Zinc	December-17	mg/L				<0.0115					<0.0115								<0.0115		<0.0115				
Zinc	April-18	mg/L	<0.0100	<0.0100		<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100			<0.0100	<0.0100	<0.0100	<0.0100	**0.013J**	<0.0100	<0.0100				
Zinc	July-18	mg/L			<0.0100							<0.0100													
Zinc	October-18	mg/L	<0.0100	<0.0100		<0.0100	<0.0100		**0.0781**						**0.0122J**		<0.0100								
Zinc	November-18	mg/L			<0.0100			<0.0100		<0.0100	<0.0100	<0.0100				<0.0100		<0.0100	<0.0100	<0.0100	<0.0100				
Zinc	January-19	mg/L			<0.0100																				
Zinc	March-19	mg/L	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100			<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100				
Zinc	May-19	mg/L			**0.02**															<0.00692					
Zinc	October-19	mg/L	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100			**0.019J**	<0.0100	<0.0100	<0.0100	**0.0138J**	<0.0100	<0.0100				
Zinc	March-20	mg/L	**0.0145J**	**0.0163J**		<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100			<0.0100	<0.0100	<0.0100	<0.0100	<0.0100		<0.0100				
Zinc	April-20	mg/L			<0.0100															<0.0100					
Zinc	September-20	mg/L	<0.0100	<0.0100	<0.0100		<0.0100	<0.0100	**0.0325**	<0.0100	<0.0100	<0.0100			<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100				
Zinc	October-20	mg/L				<0.0100																			
Zinc	November-20	mg/L	**0.019J**																						
Zinc	December-20	mg/L	<0.0100																						
Zinc	March-21	mg/L		<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100					<0.0100	<0.0100	<0.0100				<0.0100				
Zinc	April-21	mg/L	<0.0100								<0.0100	<0.0100						<0.0100	<0.0100	<0.0100					
Zinc	May-21	mg/L																<0.0100							
Zinc	August-21	mg/L																							
Zinc	October-21	mg/L	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100			**0.0273**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100				
Zinc	December-21	mg/L																<0.0100							
Zinc	February-22	mg/L	**0.02**																						<0.0100
Zinc	April-22	mg/L	**0.0183J**	**0.0161J**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100			<0.0100	<0.0100	<0.0100	<0.0700	<0.0100	<0.0100	<0.0100				<0.0100
Zinc	July-22	mg/L																							<0.0100
Zinc	October-22	mg/L	<0.0100	**0.0426**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100				**0.0153J**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100				<0.0100
Zinc	December-22	mg/L		<0.0100																					
Zinc	April-23	mg/L	**0.0113J**	<0.00640	<0.00640	<0.00640	<0.00640	<0.00640	<0.00640	<0.00640	<0.00640	<0.00640			**0.0102J**	<0.00640	<0.00640	<0.00640	<0.00640	<0.00640	<0.00640				<0.00640
Zinc	May-23	mg/L																							
Zinc	October-23	mg/L	**0.115**	**0.00868J**	<0.00640	**0.0126J**	**0.0108J**	**0.0101J**	<0.00640	<0.00640	**0.00697J**				**0.011J**	**0.00672J**	<0.00640	<0.00640	**0.00959J**	<0.00640	<0.00640				<0.00640
Zinc	December-23	mg/L	<0.00640																						
Zinc, Dissolved	December-20	mg/L	<0.0100																						
alpha-BHC	March-09	ug/l					<0.032	<0.032	<0.032																
alpha-BHC	June-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
alpha-BHC	September-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
alpha-BHC	December-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
alpha-BHC	March-10	ug/l				<0.032				<0.032			<0.032												
alpha-BHC	June-10	ug/l									<0.032														
alpha-BHC	August-10	ug/l									<0.032	<0.032													
alpha-BHC	September-10	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032												
alpha-BHC	December-10	ug/l									<0.032														
alpha-BHC	March-11	ug/l					<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032											
alpha-BHC	June-11	ug/l										<0.032		<0.032		<0.0392	<0.032								
alpha-BHC	September-11	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032		<0.032	<0.032		<0.032	<0.032								
alpha-BHC	December-11	ug/l												<0.032		<0.032	<0.032								
alpha-BHC	March-12	ug/l														<0.032	<0.032								
alpha-BHC	December-14	ug/l															**0.00314J**								
alpha-BHC	October-16	ug/l													<0.00177										
alpha-BHC	November-16	ug/l						<0.00175	<0.0017	**0.00362J**						<0.00175	<0.00175								
alpha-BHC	October-17	ug/L					**0.00573J**																		
alpha-BHC	December-17	ug/L				<0.00177					**0.00235J**								<0.00177		<0.00177				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
alpha-BHC	July-18	ug/L			<0.00172							**0.00771J**													
alpha-BHC	November-18	ug/L			<0.00175							<0.00175													
alpha-BHC	May-19	ug/L																		<0.00173					
alpha-BHC	October-21	ug/L						<0.0105	<0.0105	<0.0105						<0.0105	<0.0105								
alpha-BHC	December-21	ug/L																**0.0174J**							
alpha-BHC	October-22	ug/L				<0.0246	<0.0254				<0.0246								<0.0264		<0.0246				
alpha-BHC	April-23	ug/L								<0.0290								<0.0290							
beta-BHC	March-09	ug/l					<0.032	<0.032	<0.032																
beta-BHC	June-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
beta-BHC	September-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
beta-BHC	December-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
beta-BHC	March-10	ug/l				<0.032				<0.032			<0.032												
beta-BHC	June-10	ug/l									<0.032														
beta-BHC	August-10	ug/l									<0.032	<0.032													
beta-BHC	September-10	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032												
beta-BHC	December-10	ug/l									<0.032														
beta-BHC	March-11	ug/l					<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032											
beta-BHC	June-11	ug/l										<0.032		<0.032		<0.0392	<0.032								
beta-BHC	September-11	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032		<0.032	<0.032		<0.032	<0.032								
beta-BHC	December-11	ug/l												<0.032		<0.032	<0.032								
beta-BHC	March-12	ug/l														<0.032	<0.032								
beta-BHC	December-14	ug/l															<0.0352								
beta-BHC	October-16	ug/l													<0.005										
beta-BHC	November-16	ug/l						**0.00547J**	**0.0136J**	<0.00516						<0.00495	<0.00495								
beta-BHC	October-17	ug/L					**0.0113J**																		
beta-BHC	December-17	ug/L				<0.00500					<0.00500								<0.00500		<0.00500				
beta-BHC	July-18	ug/L			<0.00485							<0.00500													
beta-BHC	November-18	ug/L			<0.00495							<0.00495													
beta-BHC	May-19	ug/L																		<0.00490					
beta-BHC	October-21	ug/L						<0.0137	<0.0137	**0.0418**						<0.0137	<0.0137								
beta-BHC	December-21	ug/L																<0.0137							
beta-BHC	February-22	ug/L								<0.0370															
beta-BHC	April-22	ug/L								<0.0370															
beta-BHC	October-22	ug/L				<0.0314	<0.0325			<0.0370	<0.0314								<0.0336		<0.0314				
beta-BHC	April-23	ug/L								<0.0370								<0.0370							
beta-BHC	October-23	ug/L								<0.0370															
bis (2-chloroisopropyl) ether	October-17	ug/L					<0.189																		
bis (2-chloroisopropyl) ether	December-17	ug/L				<0.191					<0.188								<0.188		<0.188				
bis (2-chloroisopropyl) ether	July-18	ug/L										<0.188													
bis (2-chloroisopropyl) ether	November-18	ug/L										<0.188													
bis (2-chloroisopropyl) ether	May-19	ug/L																		<0.182					
bis (2-chloroisopropyl) ether	October-21	ug/L						<1.26	<1.26	<1.22						<1.25	<1.26								
bis (2-chloroisopropyl) ether	December-21	ug/L																<1.26							
bis (2-chloroisopropyl) ether	October-22	ug/L				<0.458	<0.458				<0.458								<0.458		<0.474				
cis-1,2-Dichloroethene	January-08	ug/l				<1	<1	**1.18**	<1	<1	<1	<1	<1	<1											
cis-1,2-Dichloroethene	March-08	ug/l				<1	<1	**1.08**	<1	<1	<1	<1	<1	<1											
cis-1,2-Dichloroethene	August-08	ug/l				<1	<1	**0.84J**	<1	**0.38J**	<1	<1	<1	<1											
cis-1,2-Dichloroethene	September-08	ug/l				<1	<1	**0.93J**	<1	**0.45J**	<1	<1	<1	<1											
cis-1,2-Dichloroethene	October-08	ug/l				<1	<1	**1.09**	<1	**0.46J**	<1	<1	<1	<1											
cis-1,2-Dichloroethene	March-09	ug/l				<1	<1	**0.84J**	<1	**0.59J**	<1	<1	<1	<1											
cis-1,2-Dichloroethene	June-09	ug/l				<5	<1	**1.13**	<1	<1			<1												
cis-1,2-Dichloroethene	September-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
cis-1,2-Dichloroethene	December-09	ug/l				<1	<1	**1.11**	<1	<1			<1												
cis-1,2-Dichloroethene	March-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
cis-1,2-Dichloroethene	June-10	ug/l									<1					<1	<1	<1	<1	<1					
cis-1,2-Dichloroethene	August-10	ug/l									<1	<1				<1	<1	<1	<1	<1					
cis-1,2-Dichloroethene	September-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
cis-1,2-Dichloroethene	December-10	ug/l									<1					<1	<1	<1	<1	<1					
cis-1,2-Dichloroethene	March-11	ug/l		<1		<1	<1	<1	<10	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
cis-1,2-Dichloroethene	April-11	ug/l				<1		**1.98**	<10	<1							<1								
cis-1,2-Dichloroethene	June-11	ug/l		<1								<1		<1		<1	<1								
cis-1,2-Dichloroethene	July-11	ug/l	<1																						
cis-1,2-Dichloroethene	August-11	ug/l		<1																					
cis-1,2-Dichloroethene	September-11	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1		<1	<1	<1	<1	<1					
cis-1,2-Dichloroethene	December-11	ug/l	<1	<1										<1		<1	<1								

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
cis-1,2-Dichloroethene	March-12	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
cis-1,2-Dichloroethene	June-12	ug/l													<1										
cis-1,2-Dichloroethene	October-12	ug/l	<1	<1		<1	<1	**1.46**	<1	<1			<1	<1		**1.63**	<1		<1						
cis-1,2-Dichloroethene	March-13	ug/l	**0.3J**	**0.855J**		<1	<1	**1.25**	<10	**0.424J**	<1		<1	<1	<1	<1	<1	<1	<1						
cis-1,2-Dichloroethene	June-13	ug/l																			<1				
cis-1,2-Dichloroethene	September-13	ug/l	**0.38J**	<1		<1	<1	**0.734J**	<1	**0.454J**	<1		<1	<1	<1	**0.553J**	<1	<1	<1	<1	<1				
cis-1,2-Dichloroethene	November-13	ug/l																			<1				
cis-1,2-Dichloroethene	March-14	ug/l	<1	<1		<1	<1	**1.04**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1				
cis-1,2-Dichloroethene	June-14	ug/l																		<1	<1				
cis-1,2-Dichloroethene	September-14	ug/l	<1	<1		<1	<1	**0.596J**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
cis-1,2-Dichloroethene	December-14	ug/l															<1								
cis-1,2-Dichloroethene	April-15	ug/l	**0.263J**	<1		<1	<1	**0.457J**	<1	**0.304J**	<1	<1			<1	<1	<1	<1	<1	<1	<1				
cis-1,2-Dichloroethene	October-15	ug/l	<0.13	<0.13		<0.13	<0.13	**0.699J**	<0.13	**0.414J**	<0.13				<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13				
cis-1,2-Dichloroethene	April-16	ug/l	<0.13	<0.13		<0.13	<0.13	**0.663J**	<0.13	**0.367J**	<0.13	<0.13			<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13				
cis-1,2-Dichloroethene	October-16	ug/l													<0.13										
cis-1,2-Dichloroethene	November-16	ug/l	**0.181J**	<0.13		<0.13	<0.13	**0.483J**	<0.13	**0.373J**	<0.13	<0.13				<0.13	<0.13	<0.13	<0.13	<0.13	<0.13				
cis-1,2-Dichloroethene	March-17	ug/l	**0.195J**	<0.13		<0.13	<0.13	**1.16**	<0.13	**0.379J**	<0.13	**0.141J**			<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13				
cis-1,2-Dichloroethene	October-17	ug/L	<0.130	<0.130		<0.130	<0.130	**2.14**	<0.130	**0.363J**	<0.130				<0.130	**0.34J**	<0.130	<0.130	<0.130	<0.130	<0.130				
cis-1,2-Dichloroethene	December-17	ug/L				<0.130					<0.130								<0.130		<0.130				
cis-1,2-Dichloroethene	April-18	ug/L	<0.130	<0.130		<0.130	<0.130	**0.925J**	<0.130	**0.228J**	<0.130	<0.130			<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130				
cis-1,2-Dichloroethene	July-18	ug/L			<0.210							<0.210													
cis-1,2-Dichloroethene	October-18	ug/L	<0.210	<0.210		<0.210	<0.210		<0.210						<0.210		<0.210								
cis-1,2-Dichloroethene	November-18	ug/L			<0.210			**0.372J**		**0.284J**	<0.210	<0.210				<0.210		<0.210	<0.210	<0.210	<0.210				
cis-1,2-Dichloroethene	January-19	ug/L			<0.210																				
cis-1,2-Dichloroethene	March-19	ug/L	<0.210	<0.210	<0.210	<0.210	<0.210	**0.727J**	<0.210	**0.308**	<0.210	<0.210			<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210				
cis-1,2-Dichloroethene	May-19	ug/L			<0.210															<0.210					
cis-1,2-Dichloroethene	October-19	ug/L	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210			<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210				
cis-1,2-Dichloroethene	March-20	ug/L	<0.210	<0.210		<0.210	<0.210	**0.668J**	<0.210	**0.263J**	<0.210	<0.210			<0.210	<0.210	<0.210	<0.210	<0.210		<0.210				
cis-1,2-Dichloroethene	April-20	ug/L			<0.210															<0.210					
cis-1,2-Dichloroethene	September-20	ug/L	<0.210	<0.210	<0.210		<0.210	<0.210	<0.210	<0.210	<0.210	<0.210			<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210				
cis-1,2-Dichloroethene	October-20	ug/L				<0.210																			
cis-1,2-Dichloroethene	March-21	ug/L		<0.210	<0.210	<0.210	<0.210	**0.437J**	<0.210	**0.252J**					<0.210	<0.210	<0.210				<0.210				
cis-1,2-Dichloroethene	April-21	ug/L	<0.210								<0.210	<0.210						<0.210	<0.210	<0.210					
cis-1,2-Dichloroethene	May-21	ug/L																**0.228J**							
cis-1,2-Dichloroethene	August-21	ug/L																							
cis-1,2-Dichloroethene	October-21	ug/L	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	**0.267J**	<0.210	<0.210			<0.210	**0.268J**	<0.210	<0.210	<0.210	<0.210	<0.210				
cis-1,2-Dichloroethene	December-21	ug/L																**0.359J**							
cis-1,2-Dichloroethene	February-22	ug/L	<0.210																						<0.210
cis-1,2-Dichloroethene	April-22	ug/L	<0.210	<0.210	<0.210	<0.210	<0.210	**0.737J**	<0.210	**0.282J**	<0.210	<0.210			<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210				<0.210
cis-1,2-Dichloroethene	July-22	ug/L																							<0.210
cis-1,2-Dichloroethene	October-22	ug/L	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	**0.372J**	<0.210				<0.210	**0.358J**	<0.210	<0.210	<0.210	<0.210	<0.210				<0.210
cis-1,2-Dichloroethene	April-23	ug/L	<0.210	<0.210	<0.210	<0.210	<0.210	**0.961J**	<0.210	**0.297J**	<0.210	<0.210			<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210				<0.210
cis-1,2-Dichloroethene	May-23	ug/L																							
cis-1,2-Dichloroethene	October-23	ug/L	<0.210	<0.210	<0.210	<0.210	<0.210	**0.338J**	<0.210	**0.22J**	<0.210				<0.210	**0.252J**	<0.210	<0.210	<0.210	<0.210	<0.210				<0.210
cis-1,3-Dichloropropene	January-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
cis-1,3-Dichloropropene	March-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
cis-1,3-Dichloropropene	August-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
cis-1,3-Dichloropropene	September-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
cis-1,3-Dichloropropene	October-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
cis-1,3-Dichloropropene	March-09	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
cis-1,3-Dichloropropene	June-09	ug/l				<25	<5	<5	<5	<5			<5												
cis-1,3-Dichloropropene	September-09	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
cis-1,3-Dichloropropene	December-09	ug/l				<5	<5	<5	<5	<5			<5												
cis-1,3-Dichloropropene	March-10	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
cis-1,3-Dichloropropene	June-10	ug/l									<5					<5	<5	<5	<5	<5					
cis-1,3-Dichloropropene	August-10	ug/l									<10	<10				<10	<10	<10	<10	<10					
cis-1,3-Dichloropropene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
cis-1,3-Dichloropropene	December-10	ug/l									<5					<5	<5	<5	<5	<5					
cis-1,3-Dichloropropene	March-11	ug/l		<5		<10	<5	<5	<100	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5					
cis-1,3-Dichloropropene	April-11	ug/l				<5		<5	<50	<5							<5								
cis-1,3-Dichloropropene	June-11	ug/l		<5								<5		<5		<5	<5								
cis-1,3-Dichloropropene	July-11	ug/l	<5																						
cis-1,3-Dichloropropene	August-11	ug/l		<5																					
cis-1,3-Dichloropropene	September-11	ug/l	<5	<5		<5	<5	<5	<50	<5	<5		<5	<5		<5	<5	<5	<5	<5					
cis-1,3-Dichloropropene	December-11	ug/l	<5	<5										<5		<5	<5								

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
cis-1,3-Dichloropropene	March-12	ug/l	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5					
cis-1,3-Dichloropropene	June-12	ug/l													<5										
cis-1,3-Dichloropropene	October-12	ug/l	<5	<5		<5	<5	<5	<5	<5			<5	<5		<5	<5		<5						
cis-1,3-Dichloropropene	March-13	ug/l	<5	<5		<5	<5	<5	<50	<5	<5		<5	<5	<5	<5	<5	<5	<5						
cis-1,3-Dichloropropene	June-13	ug/l																			<5				
cis-1,3-Dichloropropene	September-13	ug/l	<5	<5		<5	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5				
cis-1,3-Dichloropropene	November-13	ug/l																			<5				
cis-1,3-Dichloropropene	March-14	ug/l	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5				
cis-1,3-Dichloropropene	June-14	ug/l																		<5	<5				
cis-1,3-Dichloropropene	September-14	ug/l	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5				
cis-1,3-Dichloropropene	December-14	ug/l															<5								
cis-1,3-Dichloropropene	April-15	ug/l	<5	<5		<5	<5	<5	<5	<5	<5	<5			<5	<5	<5	<5	<5	<5	<5				
cis-1,3-Dichloropropene	October-15	ug/l	<0.15	<0.15		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				
cis-1,3-Dichloropropene	April-16	ug/l	<0.15	<0.15		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15			<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				
cis-1,3-Dichloropropene	October-16	ug/l													<0.15										
cis-1,3-Dichloropropene	November-16	ug/l	<0.15	<0.15		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				
cis-1,3-Dichloropropene	March-17	ug/l	<0.15	<0.15		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15			<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15				
cis-1,3-Dichloropropene	October-17	ug/L	<0.150	<0.150		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150				<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150				
cis-1,3-Dichloropropene	December-17	ug/L				<0.150					<0.150								<0.150		<0.150				
cis-1,3-Dichloropropene	April-18	ug/L	<0.150	<0.150		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150			<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150				
cis-1,3-Dichloropropene	July-18	ug/L			<0.250							<0.250													
cis-1,3-Dichloropropene	October-18	ug/L	<0.250	<0.250		<0.250	<0.250		<0.250						<0.250		<0.250								
cis-1,3-Dichloropropene	November-18	ug/L			<0.250			<0.250		<0.250	<0.250	<0.250				<0.250		<0.250	<0.250	<0.250	<0.250				
cis-1,3-Dichloropropene	January-19	ug/L			<0.250																				
cis-1,3-Dichloropropene	March-19	ug/L	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250			<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250				
cis-1,3-Dichloropropene	May-19	ug/L			<0.250															<0.250					
cis-1,3-Dichloropropene	October-19	ug/L	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250			<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250				
cis-1,3-Dichloropropene	March-20	ug/L	<0.250	<0.250		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250			<0.250	<0.250	<0.250	<0.250	<0.250		<0.250				
cis-1,3-Dichloropropene	April-20	ug/L			<0.250															<0.250					
cis-1,3-Dichloropropene	September-20	ug/L	<0.250	<0.250	<0.250		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250			<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250				
cis-1,3-Dichloropropene	October-20	ug/L				<0.250																			
cis-1,3-Dichloropropene	March-21	ug/L		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250					<0.250	<0.250	<0.250				<0.250				
cis-1,3-Dichloropropene	April-21	ug/L	<0.250								<0.250	<0.250						<0.250	<0.250	<0.250					
cis-1,3-Dichloropropene	May-21	ug/L																<0.250							
cis-1,3-Dichloropropene	August-21	ug/L																							
cis-1,3-Dichloropropene	October-21	ug/L	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250			<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250				
cis-1,3-Dichloropropene	December-21	ug/L																<0.250							
cis-1,3-Dichloropropene	February-22	ug/L	<0.250																						<0.250
cis-1,3-Dichloropropene	April-22	ug/L	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250			<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250				<0.250
cis-1,3-Dichloropropene	July-22	ug/L																							<0.250
cis-1,3-Dichloropropene	October-22	ug/L	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250				<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250				<0.250
cis-1,3-Dichloropropene	April-23	ug/L	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250			<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250				<0.250
cis-1,3-Dichloropropene	May-23	ug/L																							
cis-1,3-Dichloropropene	October-23	ug/L	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250				<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250				<0.250
delta-BHC	March-09	ug/l					<0.032	<0.032	<0.032																
delta-BHC	June-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
delta-BHC	September-09	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032			<0.032												
delta-BHC	December-09	ug/l				<0.032	<0.032	<0.032	<0.032	**0.0405**			<0.032												
delta-BHC	March-10	ug/l				<0.032				<0.032			<0.032												
delta-BHC	June-10	ug/l									<0.032														
delta-BHC	August-10	ug/l									<0.032	<0.032													
delta-BHC	September-10	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032												
delta-BHC	December-10	ug/l									<0.032														
delta-BHC	March-11	ug/l					<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032											
delta-BHC	June-11	ug/l										<0.032		<0.032		<0.0392	<0.032								
delta-BHC	September-11	ug/l				<0.032	<0.032	<0.032	<0.032	<0.032	<0.032		<0.032	<0.032		<0.032	<0.032								
delta-BHC	December-11	ug/l												<0.032		<0.032	<0.032								
delta-BHC	March-12	ug/l								<0.032						<0.032	<0.032								
delta-BHC	October-12	ug/l								<0.032															
delta-BHC	March-13	ug/l								**0.00622J**					<0.033										
delta-BHC	September-13	ug/l								**0.0089J**					<0.033										
delta-BHC	March-14	ug/l								**0.0108J**					<0.0344										
delta-BHC	September-14	ug/l							**0.0125J**	<0.0348					<0.032										
delta-BHC	December-14	ug/l															**0.005J**								
delta-BHC	April-15	ug/l								**0.00651J**					<0.033										

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
delta-BHC	October-15	ug/l								<0.0024					<0.00258										
delta-BHC	October-16	ug/l													<0.0024										
delta-BHC	November-16	ug/l						**0.00247J**	<0.0023	<0.00247						**0.00494J**	<0.00237								
delta-BHC	March-17	ug/l								<0.0115					<0.0023										
delta-BHC	October-17	ug/L					**0.00587J**			<0.00235					<0.00240										
delta-BHC	December-17	ug/L				<0.00240					<0.00240								<0.00240		<0.00240				
delta-BHC	April-18	ug/L								<0.00247															
delta-BHC	July-18	ug/L			<0.00232							**0.00313J**													
delta-BHC	November-18	ug/L			<0.00237					**0.0241J**		<0.00237													
delta-BHC	March-19	ug/L								**0.0091**															
delta-BHC	May-19	ug/L																		<0.00235					
delta-BHC	October-19	ug/L								**0.00501J**															
delta-BHC	March-20	ug/L								<0.00237															
delta-BHC	September-20	ug/L								**0.00763J**															
delta-BHC	March-21	ug/L								<0.00242															
delta-BHC	October-21	ug/L						<0.0158	**0.0254J**	<0.0158						<0.0158	<0.0158								
delta-BHC	December-21	ug/L																**0.0241J**							
delta-BHC	October-22	ug/L				<0.0229	<0.0237				<0.0229								<0.0245		<0.0229				
delta-BHC	April-23	ug/L								<0.0270								<0.0270							
gamma-BHC (Lindane)	May-19	ug/L																		<0.00194					
gamma-BHC (Lindane)	October-21	ug/L						<0.0147	<0.0147	<0.0147						<0.0147	<0.0147								
gamma-BHC (Lindane)	December-21	ug/L																**0.0345**							
gamma-BHC (Lindane)	February-22	ug/L																<0.0360							
gamma-BHC (Lindane)	April-22	ug/L																<0.0360							
gamma-BHC (Lindane)	July-22	ug/L																<0.0360							
gamma-BHC (Lindane)	October-22	ug/L				<0.0305	<0.0316				<0.0305							<0.0375	<0.0327		<0.0305				
gamma-BHC (Lindane)	April-23	ug/L								<0.0360								<0.0360							
gamma-BHC (Lindane)	October-23	ug/L																<0.0360							
gamma-BHC [Lindane]	October-16	ug/L													<0.00198										
gamma-BHC [Lindane]	November-16	ug/L						<0.00196	<0.0019	<0.00204						<0.00196	<0.00196								
gamma-BHC [Lindane]	October-17	ug/L					**0.00344J**																		
gamma-BHC [Lindane]	December-17	ug/L				<0.00198					<0.00198								<0.00198		<0.00198				
gamma-BHC [Lindane]	July-18	ug/L			<0.00192							<0.00198													
gamma-BHC [Lindane]	November-18	ug/L			<0.00196							**0.00218J**													
m,p-Xylene	October-16	ug/L													<0.12										
m,p-Xylene	November-16	ug/L						<0.12	<0.12	<0.12						<0.12	<0.12								
m,p-Xylene	October-17	ug/L					**0.766J**																		
m,p-Xylene	December-17	ug/L				<0.120					<0.120								<0.120		<0.120				
m,p-Xylene	July-18	ug/L			<0.380							<0.380													
m,p-Xylene	November-18	ug/L			<0.380							<0.380													
m,p-Xylene	May-19	ug/L																		<0.380					
m,p-Xylene	October-21	ug/L						<0.380	<0.380	<0.380						<0.380	<0.380								
m,p-Xylene	December-21	ug/L																<0.380							
m,p-Xylene	October-22	ug/L				<0.380	<0.380				<0.380								<0.380		<0.380				
m/p-Cresol	March-09	ug/l					<10	<10	<10																
m/p-Cresol	June-09	ug/l				<10	<10	<10	<10	<10			<10												
m/p-Cresol	September-09	ug/l				<10	<10	<10	<10	<10			<10												
m/p-Cresol	December-09	ug/l				<10	<10	<10	<10	<10			<10												
m/p-Cresol	March-10	ug/l				<10				<10			<10												
m/p-Cresol	June-10	ug/l									<10														
m/p-Cresol	August-10	ug/l									<10	<10													
m/p-Cresol	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
m/p-Cresol	December-10	ug/l									<10														
m/p-Cresol	March-11	ug/l										<10		<10											
m/p-Cresol	June-11	ug/l										<10		<10		<10	<10								
m/p-Cresol	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
m/p-Cresol	December-11	ug/l												<10		<10	<10								
m/p-Cresol	March-12	ug/l														<10	<10								
o,o',o"-Triethylphosphorothioate	October-17	ug/L					<0.253																		
o,o',o"-Triethylphosphorothioate	December-17	ug/L				<0.255					<0.250								<0.250		<0.250				
o,o',o"-Triethylphosphorothioate	July-18	ug/L			<0.242							<0.250													
o,o',o"-Triethylphosphorothioate	November-18	ug/L			<0.247							<0.250													
o,o',o"-Triethylphosphorothioate	May-19	ug/L																		<0.242					
o,o',o"-Triethylphosphorothioate	October-21	ug/L						<0.526	<0.526	<0.510						<0.521	<0.526								
o,o',o"-Triethylphosphorothioate	December-21	ug/L																<0.526							

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
o,o',o"-Triethylphosphorothioate	October-22	ug/L				<2.71	<2.71				<2.71								<2.71		<2.81				
o,o,o-Triethylphosphorothioate	March-09	ug/l					<30	<30	<30																
o,o,o-Triethylphosphorothioate	June-09	ug/l				<30	<30	<30	<30	<30			<30												
o,o,o-Triethylphosphorothioate	September-09	ug/l				<10	<10	<10	<10	<10			<10												
o,o,o-Triethylphosphorothioate	December-09	ug/l				<10	<10	<10	<10	<10			<10												
o,o,o-Triethylphosphorothioate	March-10	ug/l				<10				<10			<10												
o,o,o-Triethylphosphorothioate	June-10	ug/l									<10														
o,o,o-Triethylphosphorothioate	August-10	ug/l									<10	<10													
o,o,o-Triethylphosphorothioate	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
o,o,o-Triethylphosphorothioate	December-10	ug/l									<10														
o,o,o-Triethylphosphorothioate	March-11	ug/l										<10		<10											
o,o,o-Triethylphosphorothioate	June-11	ug/l										<10		<10		<10	<10								
o,o,o-Triethylphosphorothioate	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
o,o,o-Triethylphosphorothioate	December-11	ug/l												<10		<10	<10								
o,o,o-Triethylphosphorothioate	March-12	ug/l														<10	<10								
o,o,o-Triethylphosphorothioate	December-14	ug/l															<10.2								
o,o,o-Triethylphosphorothioate	October-16	ug/l													<0.25										
o,o,o-Triethylphosphorothioate	November-16	ug/l						<0.24	<0.24	<0.261						<0.27	<0.267								
o-Toluidine	March-09	ug/l					<10	<10	<10																
o-Toluidine	June-09	ug/l				<10	<10	<10	<10	<10			<10												
o-Toluidine	September-09	ug/l				<10	<10	<10	<10	<10			<10												
o-Toluidine	December-09	ug/l				<10	<10	<10	<10	<10			<10												
o-Toluidine	March-10	ug/l				<10				<10			<10												
o-Toluidine	June-10	ug/l									<10														
o-Toluidine	August-10	ug/l									<10	<10													
o-Toluidine	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
o-Toluidine	December-10	ug/l									<10														
o-Toluidine	March-11	ug/l										<10		<10											
o-Toluidine	June-11	ug/l										<10		<10		<10	<10								
o-Toluidine	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
o-Toluidine	December-11	ug/l												<10		<10	<10								
o-Toluidine	March-12	ug/l														<10	<10								
o-Toluidine	December-14	ug/l															<10.2								
o-Toluidine	October-16	ug/l													<0.188										
o-Toluidine	November-16	ug/l						<0.18	<0.18	<0.196						<0.202	<0.2								
o-Toluidine	October-17	ug/L					<0.189																		
o-Toluidine	December-17	ug/L				<0.191					<0.188								<0.188		<0.188				
o-Toluidine	July-18	ug/L			<0.182							<0.188													
o-Toluidine	November-18	ug/L			<0.186							<0.188													
o-Toluidine	May-19	ug/L																		<0.182					
o-Toluidine	October-21	ug/L						<0.705	<0.705	<0.684						<0.698	<0.705								
o-Toluidine	December-21	ug/L																<0.705							
o-Toluidine	October-22	ug/L				<2.46	<2.46				<2.46								<2.46		<2.54				
o-Xylene	October-16	ug/L													<0.13										
o-Xylene	November-16	ug/L						<0.13	<0.13	<0.13						<0.13	<0.13								
o-Xylene	October-17	ug/L					**0.85J**																		
o-Xylene	December-17	ug/L				<0.130					<0.130								<0.130		<0.130				
o-Xylene	July-18	ug/L			<0.400							<0.400													
o-Xylene	November-18	ug/L			<0.400							<0.400													
o-Xylene	May-19	ug/L																		<0.400					
o-Xylene	October-21	ug/L						<0.400	<0.400	<0.400						<0.400	<0.400								
o-Xylene	December-21	ug/L																<0.400							
o-Xylene	October-22	ug/L				<0.400	<0.400				<0.400								<0.400		<0.400				
p-Dimethylamino azobenzene	October-16	ug/L													<0.25										
p-Dimethylamino azobenzene	November-16	ug/L						<0.24	<0.24	<0.261						<0.27	<0.267								
p-Dimethylamino azobenzene	October-17	ug/L					<0.253																		
p-Dimethylamino azobenzene	December-17	ug/L				<0.255					<0.250								<0.250		<0.250				
p-Dimethylamino azobenzene	July-18	ug/L			<0.242							<0.250													
p-Dimethylamino azobenzene	November-18	ug/L			<0.247							<0.250													
p-Dimethylamino azobenzene	May-19	ug/L																		<0.242					
p-Dimethylamino azobenzene	October-21	ug/L						<0.821	<0.821	<0.796						<0.813	<0.821								
p-Dimethylamino azobenzene	December-21	ug/L																<0.821							
p-Dimethylamino azobenzene	October-22	ug/L				<1.86	<1.86				<1.86								<1.86		<1.93				
p-Phenylenediamine	March-09	ug/l					<10	<10	<10																
p-Phenylenediamine	June-09	ug/l				<10	<10	<10	<10	<10			<10												

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
p-Phenylenediamine	September-09	ug/l				<10	<10	<10	<10	<10			<10												
p-Phenylenediamine	December-09	ug/l				<10	<10	<10	<10	<10			<10												
p-Phenylenediamine	March-10	ug/l				<10				<10			<10												
p-Phenylenediamine	June-10	ug/l									<10														
p-Phenylenediamine	August-10	ug/l									<10	<10													
p-Phenylenediamine	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
p-Phenylenediamine	December-10	ug/l									<10														
p-Phenylenediamine	March-11	ug/l										<10		<10											
p-Phenylenediamine	June-11	ug/l										<10		<10		<10	<10								
p-Phenylenediamine	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
p-Phenylenediamine	December-11	ug/l												<10		<10	<10								
p-Phenylenediamine	March-12	ug/l														<10	<10								
p-Phenylenediamine	December-14	ug/l															<10.2								
p-[Dimethylamino]azobenzene	March-09	ug/l					<10	<10	<10																
p-[Dimethylamino]azobenzene	June-09	ug/l				<10	<10	<10	<10	<10			<10												
p-[Dimethylamino]azobenzene	September-09	ug/l				<10	<10	<10	<10	<10			<10												
p-[Dimethylamino]azobenzene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
p-[Dimethylamino]azobenzene	March-10	ug/l				<10				<10			<10												
p-[Dimethylamino]azobenzene	June-10	ug/l									<10														
p-[Dimethylamino]azobenzene	August-10	ug/l									<10	<10													
p-[Dimethylamino]azobenzene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10												
p-[Dimethylamino]azobenzene	December-10	ug/l									<10														
p-[Dimethylamino]azobenzene	March-11	ug/l										<10		<10											
p-[Dimethylamino]azobenzene	June-11	ug/l										<10		<10		<10	<10								
p-[Dimethylamino]azobenzene	September-11	ug/l				<10	<10	<10	<10	<10	<10		<10	<10		<10	<10								
p-[Dimethylamino]azobenzene	December-11	ug/l												<10		<10	<10								
p-[Dimethylamino]azobenzene	March-12	ug/l														<10	<10								
p-[Dimethylamino]azobenzene	December-14	ug/l															<10.2								
trans-1,2-Dichloroethene	January-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
trans-1,2-Dichloroethene	March-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
trans-1,2-Dichloroethene	August-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
trans-1,2-Dichloroethene	September-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
trans-1,2-Dichloroethene	October-08	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
trans-1,2-Dichloroethene	March-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
trans-1,2-Dichloroethene	June-09	ug/l				<5	<1	<1	<1	<1			<1												
trans-1,2-Dichloroethene	September-09	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
trans-1,2-Dichloroethene	December-09	ug/l				<1	<1	<1	<1	<1			<1												
trans-1,2-Dichloroethene	March-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1											
trans-1,2-Dichloroethene	June-10	ug/l									<1					<1	<1	<1	<1	<1					
trans-1,2-Dichloroethene	August-10	ug/l									<1	<1				<1	<1	<1	<1	<1					
trans-1,2-Dichloroethene	September-10	ug/l				<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
trans-1,2-Dichloroethene	December-10	ug/l									<1					<1	<1	<1	<1	<1					
trans-1,2-Dichloroethene	March-11	ug/l		<1		<1	<1	<1	<10	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
trans-1,2-Dichloroethene	April-11	ug/l				<1		<1	<10	<1							<1								
trans-1,2-Dichloroethene	June-11	ug/l		<1								<1		<1		<1	<1								
trans-1,2-Dichloroethene	July-11	ug/l	<1																						
trans-1,2-Dichloroethene	August-11	ug/l		<1																					
trans-1,2-Dichloroethene	September-11	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1		<1	<1	<1	<1	<1					
trans-1,2-Dichloroethene	December-11	ug/l	<1	<1										<1		<1	<1								
trans-1,2-Dichloroethene	March-12	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1					
trans-1,2-Dichloroethene	June-12	ug/l													<1										
trans-1,2-Dichloroethene	October-12	ug/l	<1	<1		<1	<1	<1	<1	<1			<1	<1		<1	<1		<1						
trans-1,2-Dichloroethene	March-13	ug/l	<1	<1		<1	<1	<1	<10	<1	<1		<1	<1	<1	<1	<1	<1	<1						
trans-1,2-Dichloroethene	June-13	ug/l																			<1				
trans-1,2-Dichloroethene	September-13	ug/l	<1	<1		<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1				
trans-1,2-Dichloroethene	November-13	ug/l																			<1				
trans-1,2-Dichloroethene	March-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1				
trans-1,2-Dichloroethene	June-14	ug/l																		<1	<1				
trans-1,2-Dichloroethene	September-14	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
trans-1,2-Dichloroethene	December-14	ug/l															<1								
trans-1,2-Dichloroethene	April-15	ug/l	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1				
trans-1,2-Dichloroethene	October-15	ug/l	<0.21	<0.21		<0.21	<0.21	<0.21	<0.21	<0.21	<0.21				<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21				
trans-1,2-Dichloroethene	April-16	ug/l	<0.21	<0.21		<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21			<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21				
trans-1,2-Dichloroethene	October-16	ug/l													<0.21										
trans-1,2-Dichloroethene	November-16	ug/l	<0.21	<0.21		<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21				<0.21	<0.21	<0.21	<0.21	<0.21	<0.21				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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Analytical Data Summary
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constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
trans-1,2-Dichloroethene	March-17	ug/l	<0.21	<0.21		<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21			<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21				
trans-1,2-Dichloroethene	October-17	ug/L	<0.210	<0.210		<0.210	<0.210	0.22J	<0.210	<0.210	<0.210				<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210				
trans-1,2-Dichloroethene	December-17	ug/L				<0.210					<0.210								<0.210		<0.210				
trans-1,2-Dichloroethene	April-18	ug/L	<0.210	<0.210		<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210			<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210				
trans-1,2-Dichloroethene	July-18	ug/L			<0.270							<0.270													
trans-1,2-Dichloroethene	October-18	ug/L	<0.270	<0.270		<0.270	<0.270		<0.270						<0.270		<0.270								
trans-1,2-Dichloroethene	November-18	ug/L			<0.270			<0.270		<0.270	<0.270	<0.270				<0.270		<0.270	<0.270	<0.270	<0.270				
trans-1,2-Dichloroethene	January-19	ug/L			<0.270																				
trans-1,2-Dichloroethene	March-19	ug/L	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270			<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270				
trans-1,2-Dichloroethene	May-19	ug/L			<0.270															<0.270					
trans-1,2-Dichloroethene	October-19	ug/L	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270			<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270				
trans-1,2-Dichloroethene	March-20	ug/L	<0.270	<0.270		<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270			<0.270	<0.270	<0.270	<0.270	<0.270		<0.270				
trans-1,2-Dichloroethene	April-20	ug/L			<0.270															<0.270					
trans-1,2-Dichloroethene	September-20	ug/L	<0.270	<0.270	<0.270		<0.270	<0.270	<0.270	<0.270	<0.270	<0.270			<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270				
trans-1,2-Dichloroethene	October-20	ug/L				<0.270																			
trans-1,2-Dichloroethene	March-21	ug/L		<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270					<0.270	<0.270	<0.270				<0.270				
trans-1,2-Dichloroethene	April-21	ug/L	<0.270								<0.270	<0.270						<0.270	<0.270	<0.270					
trans-1,2-Dichloroethene	May-21	ug/L																<0.270							
trans-1,2-Dichloroethene	August-21	ug/L																							
trans-1,2-Dichloroethene	October-21	ug/L	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270			<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270				
trans-1,2-Dichloroethene	December-21	ug/L																<0.270							
trans-1,2-Dichloroethene	February-22	ug/L	<0.270																						<0.270
trans-1,2-Dichloroethene	April-22	ug/L	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270			<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270				<0.270
trans-1,2-Dichloroethene	July-22	ug/L																							<0.270
trans-1,2-Dichloroethene	October-22	ug/L	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270				<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270				<0.270
trans-1,2-Dichloroethene	April-23	ug/L	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270			<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270				<0.270
trans-1,2-Dichloroethene	May-23	ug/L																							
trans-1,2-Dichloroethene	October-23	ug/L	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270				<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270				<0.270
trans-1,3-Dichloropropene	January-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
trans-1,3-Dichloropropene	March-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
trans-1,3-Dichloropropene	August-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
trans-1,3-Dichloropropene	September-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
trans-1,3-Dichloropropene	October-08	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
trans-1,3-Dichloropropene	March-09	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
trans-1,3-Dichloropropene	June-09	ug/l				<25	<5	<5	<5	<5			<5												
trans-1,3-Dichloropropene	September-09	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
trans-1,3-Dichloropropene	December-09	ug/l				<5	<5	<5	<5	<5			<5												
trans-1,3-Dichloropropene	March-10	ug/l				<5	<5	<5	<5	<5	<5	<5	<5	<5											
trans-1,3-Dichloropropene	June-10	ug/l									<5					<5	<5	<5	<5	<5					
trans-1,3-Dichloropropene	August-10	ug/l									<10	<10				<10	<10	<10	<10	<10					
trans-1,3-Dichloropropene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
trans-1,3-Dichloropropene	December-10	ug/l									<10					<10	<10	<10	<10	<10					
trans-1,3-Dichloropropene	March-11	ug/l		<5		<10	<5	<5	<100	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5					
trans-1,3-Dichloropropene	April-11	ug/l				<5		<5	<50	<5							<5								
trans-1,3-Dichloropropene	June-11	ug/l		<5								<5		<5		<5	<5								
trans-1,3-Dichloropropene	July-11	ug/l	<5																						
trans-1,3-Dichloropropene	August-11	ug/l		<5																					
trans-1,3-Dichloropropene	September-11	ug/l	<5	<5		<5	<5	<5	<50	<5	<5		<5	<5		<5	<5	<5	<5	<5					
trans-1,3-Dichloropropene	December-11	ug/l	<5	<5										<5		<5	<5								
trans-1,3-Dichloropropene	March-12	ug/l	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5					
trans-1,3-Dichloropropene	June-12	ug/l													<5										
trans-1,3-Dichloropropene	October-12	ug/l	<5	<5		<5	<5	<5	<5	<5			<5	<5		<5	<5		<5						
trans-1,3-Dichloropropene	March-13	ug/l	<5	<5		<5	<5	<5	<50	<5	<5		<5	<5	<5	<5	<5	<5	<5						
trans-1,3-Dichloropropene	June-13	ug/l																			<5				
trans-1,3-Dichloropropene	September-13	ug/l	<5	<5		<5	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5				
trans-1,3-Dichloropropene	November-13	ug/l																			<5				
trans-1,3-Dichloropropene	March-14	ug/l	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5				
trans-1,3-Dichloropropene	June-14	ug/l																		<5	<5				
trans-1,3-Dichloropropene	September-14	ug/l	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5				
trans-1,3-Dichloropropene	December-14	ug/l															<5								
trans-1,3-Dichloropropene	April-15	ug/l	<5	<5		<5	<5	<5	<5	<5	<5	<5			<5	<5	<5	<5	<5	<5	<5				
trans-1,3-Dichloropropene	October-15	ug/l	<0.22	<0.22		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22				<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22				
trans-1,3-Dichloropropene	April-16	ug/l	<0.22	<0.22		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22			<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22				
trans-1,3-Dichloropropene	October-16	ug/l													<0.22										
trans-1,3-Dichloropropene	November-16	ug/l	<0.22	<0.22		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22				<0.22	<0.22	<0.22	<0.22	<0.22	<0.22				

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2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
trans-1,3-Dichloropropene	March-17	ug/l	<0.22	<0.22		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22			<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22				
trans-1,3-Dichloropropene	October-17	ug/L	<0.220	<0.220		<0.220	<0.220	<0.220	<0.220	<0.220	<0.220				<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220				
trans-1,3-Dichloropropene	December-17	ug/L				<0.220					<0.220								<0.220		<0.220				
trans-1,3-Dichloropropene	April-18	ug/L	<0.220	<0.220		<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220			<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220				
trans-1,3-Dichloropropene	July-18	ug/L			<0.560							<0.560													
trans-1,3-Dichloropropene	October-18	ug/L	<0.560	<0.560		<0.560	<0.560		<0.560						<0.560		<0.560								
trans-1,3-Dichloropropene	November-18	ug/L			<0.560			<0.560		<0.560	<0.560	<0.560				<0.560		<0.560	<0.560	<0.560	<0.560				
trans-1,3-Dichloropropene	January-19	ug/L			<0.560																				
trans-1,3-Dichloropropene	March-19	ug/L	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560			<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560				
trans-1,3-Dichloropropene	May-19	ug/L			<0.560															<0.560					
trans-1,3-Dichloropropene	October-19	ug/L	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560			<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560				
trans-1,3-Dichloropropene	March-20	ug/L	<0.560	<0.560		<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560			<0.560	<0.560	<0.560	<0.560	<0.560		<0.560				
trans-1,3-Dichloropropene	April-20	ug/L			<0.560															<0.560					
trans-1,3-Dichloropropene	September-20	ug/L	<0.560	<0.560	<0.560		<0.560	<0.560	<0.560	<0.560	<0.560	<0.560			<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560				
trans-1,3-Dichloropropene	October-20	ug/L				<0.560																			
trans-1,3-Dichloropropene	March-21	ug/L		<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560					<0.560	<0.560	<0.560				<0.560				
trans-1,3-Dichloropropene	April-21	ug/L	<0.560								<0.560	<0.560						<0.560	<0.560	<0.560					
trans-1,3-Dichloropropene	May-21	ug/L																<0.560							
trans-1,3-Dichloropropene	August-21	ug/L																							
trans-1,3-Dichloropropene	October-21	ug/L	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560			<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560				
trans-1,3-Dichloropropene	December-21	ug/L																<0.560							
trans-1,3-Dichloropropene	February-22	ug/L	<0.560																						<0.560
trans-1,3-Dichloropropene	April-22	ug/L	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560			<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560				<0.560
trans-1,3-Dichloropropene	July-22	ug/L																							<0.560
trans-1,3-Dichloropropene	October-22	ug/L	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560				<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560				<0.560
trans-1,3-Dichloropropene	April-23	ug/L	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560			<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560				<0.560
trans-1,3-Dichloropropene	May-23	ug/L																							
trans-1,3-Dichloropropene	October-23	ug/L	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560				<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560				<0.560
trans-1,4-Dichloro-2-butene	January-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
trans-1,4-Dichloro-2-butene	March-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
trans-1,4-Dichloro-2-butene	August-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
trans-1,4-Dichloro-2-butene	September-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
trans-1,4-Dichloro-2-butene	October-08	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
trans-1,4-Dichloro-2-butene	March-09	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
trans-1,4-Dichloro-2-butene	June-09	ug/l				<50	<10	<10	<10	<10			<10												
trans-1,4-Dichloro-2-butene	September-09	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10											
trans-1,4-Dichloro-2-butene	December-09	ug/l				<10	<10	<10	<10	<10			<10												
trans-1,4-Dichloro-2-butene	March-10	ug/l				<10	<10	<50	<50	<10	<10	<10	<50	<10											
trans-1,4-Dichloro-2-butene	June-10	ug/l									<10					<10	<10	<10	<10	<10					
trans-1,4-Dichloro-2-butene	August-10	ug/l									<10	<10				<10	<10	<10	<10	<10					
trans-1,4-Dichloro-2-butene	September-10	ug/l				<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
trans-1,4-Dichloro-2-butene	December-10	ug/l									<10					<10	<10	<10	<10	<10					
trans-1,4-Dichloro-2-butene	March-11	ug/l		<10		<75	<10	<10	<750	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
trans-1,4-Dichloro-2-butene	April-11	ug/l				<10		<10	<100	<10							<10								
trans-1,4-Dichloro-2-butene	June-11	ug/l		<10								<10		<10		<10	<10								
trans-1,4-Dichloro-2-butene	July-11	ug/l	<10																						
trans-1,4-Dichloro-2-butene	August-11	ug/l		<10																					
trans-1,4-Dichloro-2-butene	September-11	ug/l	<10	<10		<10	<10	<10	<100	<10	<10		<10	<10		<10	<10	<10	<10	<10					
trans-1,4-Dichloro-2-butene	December-11	ug/l	<10	<10										<10		<10	<10								
trans-1,4-Dichloro-2-butene	March-12	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10					
trans-1,4-Dichloro-2-butene	June-12	ug/l													<10										
trans-1,4-Dichloro-2-butene	October-12	ug/l	<10	<10		<10	<10	<10	<10	<10			<10	<10		<10	<10		<10						
trans-1,4-Dichloro-2-butene	March-13	ug/l	<10	<10		<10	<10	<10	<100	<10	<10		<10	<10	<10	<10	<10	<10	<10						
trans-1,4-Dichloro-2-butene	June-13	ug/l																			<10				
trans-1,4-Dichloro-2-butene	September-13	ug/l	<10	<10		<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10				
trans-1,4-Dichloro-2-butene	November-13	ug/l																			<10				
trans-1,4-Dichloro-2-butene	March-14	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10				
trans-1,4-Dichloro-2-butene	June-14	ug/l																		<10	<10				
trans-1,4-Dichloro-2-butene	September-14	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10				
trans-1,4-Dichloro-2-butene	December-14	ug/l															<10								
trans-1,4-Dichloro-2-butene	April-15	ug/l	<10	<10		<10	<10	<10	<10	<10	<10	<10			<10	<10	<10	<10	<10	<10	<10				
trans-1,4-Dichloro-2-butene	October-15	ug/l	<0.13	<0.13		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13				<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13				
trans-1,4-Dichloro-2-butene	April-16	ug/l	<0.13	<0.13		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13			<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13				
trans-1,4-Dichloro-2-butene	October-16	ug/l													<0.13										
trans-1,4-Dichloro-2-butene	November-16	ug/l	<0.13	<0.13		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13				<0.13	<0.13	<0.13	<0.13	<0.13	<0.13				

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 9
Analytical Data Summary
2023 Annual Water Quality Report

constituent	Month-Year	units	GU-1	GU-L	MW-9AR	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-201B	MW-300	MW-301	MW-303	MW-302R	MW-304R	MW-305	MW-306	MW-307A	MW-307B	GU-P
trans-1,4-Dichloro-2-butene	March-17	ug/l	<0.13	<0.13		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13			<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13				
trans-1,4-Dichloro-2-butene	October-17	ug/L	<0.130	<0.130		<0.130	<0.130	<0.130	<0.130	<0.130	<0.130				<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130				
trans-1,4-Dichloro-2-butene	December-17	ug/L				<0.130					<0.130								<0.130		<0.130				
trans-1,4-Dichloro-2-butene	April-18	ug/L	<0.130	<0.130		<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130			<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130				
trans-1,4-Dichloro-2-butene	July-18	ug/L			<1.10							<1.10													
trans-1,4-Dichloro-2-butene	October-18	ug/L	<1.10	<1.10		<1.10	<1.10		<1.10						<1.10		<1.10								
trans-1,4-Dichloro-2-butene	November-18	ug/L			<1.10			<1.10		<1.10	<1.10	<1.10				<1.10		<1.10	<1.10	<1.10	<1.10				
trans-1,4-Dichloro-2-butene	January-19	ug/L			<1.10																				
trans-1,4-Dichloro-2-butene	March-19	ug/L	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10			<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10				
trans-1,4-Dichloro-2-butene	May-19	ug/L			<1.10															<1.10					
trans-1,4-Dichloro-2-butene	October-19	ug/L	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10			<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10				
trans-1,4-Dichloro-2-butene	March-20	ug/L	<1.10	<1.10		<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10			<1.10	<1.10	<1.10	<1.10	<1.10		<1.10				
trans-1,4-Dichloro-2-butene	April-20	ug/L			<1.10															<1.10					
trans-1,4-Dichloro-2-butene	September-20	ug/L	<1.10	<1.10	<1.10		<1.10	<1.10	<1.10	<1.10	<1.10	<1.10			<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10				
trans-1,4-Dichloro-2-butene	October-20	ug/L				<1.10																			
trans-1,4-Dichloro-2-butene	March-21	ug/L		<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10					<1.10	<1.10	<1.10				<1.10				
trans-1,4-Dichloro-2-butene	April-21	ug/L	<1.10								<1.10	<1.10						<1.10	<1.10	<1.10					
trans-1,4-Dichloro-2-butene	May-21	ug/L																<1.10							
trans-1,4-Dichloro-2-butene	August-21	ug/L																							
trans-1,4-Dichloro-2-butene	October-21	ug/L	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10			<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10				
trans-1,4-Dichloro-2-butene	December-21	ug/L																<1.10							
trans-1,4-Dichloro-2-butene	February-22	ug/L	<1.10																						<1.10
trans-1,4-Dichloro-2-butene	April-22	ug/L	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10			<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10				<1.10
trans-1,4-Dichloro-2-butene	July-22	ug/L																							<1.10
trans-1,4-Dichloro-2-butene	October-22	ug/L	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10				<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10				<1.10
trans-1,4-Dichloro-2-butene	April-23	ug/L	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10			<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10				<1.10
trans-1,4-Dichloro-2-butene	May-23	ug/L																							
trans-1,4-Dichloro-2-butene	October-23	ug/L	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10				<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10				<1.10

J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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Table 10
Historic SSI and SSL Summary
2023 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
Permit No. 57-SDP-01-72P

Key:

SSI - (light grey)

SSL - (black)

Well	Constituent	Spring 2018	Fall 2018	Spring 2019	Fall 2019	Spring 2020	Fall 2020	Spring 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023	Fall 2023
MW-15	Arsenic	SSI	SSI	SSI	SSI						SSI		
	Barium												
	Cadmium								SSI				
	Cobalt	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI		SSI	SSI	SSI
	Lead								SSI				
	Nickel	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI		SSI	SSI	SSI
MW-18	Cadmium									SSI	SSI	SSI	SSI
	Cobalt	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL
	Nickel	SSI		SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI
	Silver												SSI ***
	Thallium												SSI ***
MW-19	Arsenic	SSI		SSI	SSI	SSI	SSI	SSI	SSI				
	Barium	SSI											
	Benzene	SSI	SSI	SSI	SSI	SSI							
	Chlorobenzene	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI
	Cobalt	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL
	Nickel	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI
	1,4-Dichlorobenzene	SSI		SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI
MW-20	Antimony		SSI										
	Arsenic	SSI		SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI
	Barium	SSI		SSI	SSI	SSI	SSI	SSI		SSI	SSI	SSI	SSI
	Benzene	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL
	Chlorobenzene	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI
	Chromium		SSI										
	Cobalt	SSI	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL
	Copper		SSI										
	Edosulfan I					SSI	SSI						
	Heptachlor				SSI	SSI							
	Nickel	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI
	Zinc		SSI										
MW-22	Arsenic	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI		
	Barium	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI
	Benzene	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI
	beta-BHC								SSI				
	Cobalt								SSI				
	Copper		SSI										
	Nickel	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI
	Silvex (2,4,5-TP)				SSI	SSI		SSI	SSI	SSI	SSI	SSI	SSI
MW-24	Barium												
	Cobalt				SSI	SSI	SSI				SSI		
	Cadmium								SSI		SSI		SSI ***
	Nickel		SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI

Table 10
Historic SSI and SSL Summary
2023 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
Permit No. 57-SDP-01-72P

Key:

SSI -

SSL -

Well	Constituent	Spring 2018	Fall 2018	Spring 2019	Fall 2019	Spring 2020	Fall 2020	Spring 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023	Fall 2023
MW-26A	Arsenic										NE		NE
	Cobalt										NE		NE
	Nickel										NE		NE
	Acetone										NE		NE
MW-300	Benzene												
	Arsenic												
	Barium												
	Cadmium												
	Chlorobenzene												
	Cobalt												***
	Nickel												***
	1,4-Dichlorobenzene												
MW-301	Arsenic												
	Barium												
	Cadmium												***
	Chlorobenzene												
	Cobalt												
	Nickel												
	Silver												***
	Thallium												***
MW-302R	Arsenic												
	Barium												
	Cobalt												
	Nickel												
MW-303	Arsenic												
	Barium												
	Cadmium												
	Cobalt												1
	gamm-BHC (Lindane)												
	2,4-D												
	4,4-DDT												
	Heptachlor												
	Nickel												
MW-304R	Barium												
	Cobalt												
	Nickel												
MW-305	Barium												
	Cobalt												

Comments:
Gray shading = indicates a confirmed SSI above background
Black shading = indicates a confirmed SSL above the GWPS
LCL = Lower Confidence Limit
NE = Not Evaluated [Statistical analysis could not be conducted due to groundwater sample not collected and analyzed.]
* Current result caused the LCL to be above the GWPS. The constituent is not an active SSL.
** Current result is below background, if confirmed by next sample, SSI will be terminated.
*** Current Result is above background. The constituent is not an active SSI. This SSI will be verified during the next sampling event.
[1] Elevated cobalt concentrations detected at monitoring well MW-303 are the result of an alternative source and are not indicative of a release from the landfill. The constituent is not indentified as an SSL at monitoring well MW-303.

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Table 11
Corrective Action Trend Analysis
2023 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
Permit No. 57-SDP-01-72P

Well	Current SSL	Trend	N	Projected Year to Completion*
MW-20	Benzene	No Trend	14	2028
MW-20	Cobalt	No Trend	14	TBD
MW-18	Cobalt	No Trend	15	TBD
MW-19	Cobalt	No Trend	14	TBD
MW-301	Cobalt	No Trend	14	TBD

N - Number of Samples (from initiation of Corrective Action Monitoring)
* - To satisfy IAC 113.10(9)"e"
* - Permit holder addresses adequacy of corrective measure when trend is not favorable
* - Permit shall adjust corrective action for financial assurance as completion date warrants

Comments:
Evaluation of statistical trend tests for benzene in MW-20 indicate the benzene concentration has no significant trend. The selected remedy is Monitored Natural Attenuation and is evaluated through Source Control measures. The original projected completion year was anticipated to be 2022. The projected year to completion has been updated to 2028 based on additional source control measures that were implemented at the Site. Additonal discussion of the update to source control measures is provided in Section 6 of the AWQR report text.

In accordance with the benzene assessment of corrective measures (ACM) report, the following activities are recommended to monitor the effectiveness of the source control improvements. The effectiveness of source control measures is discussed in each of the following Tables 12 through 17:

● Semiannual benzene sampling at monitoring location MW-20 and the HMSP/Delineation monitoring wells (see Table 12A).
● Semiannual groundwater elevations at the HMSP/delineation monitoring wells and whenever groundwater is sampled (see Table 13).
● Monthly leachate elevation measurements at LW-1 through LW-12 (see Table 14).
● Quarterly leachate elevations in gas extraction wells (see Table 15). The percent of available screen in the gas wells is analyzed in Table 16.
● Semiannual measurement of %CH4, % LEL, and pressure content at MW-15, MW-16, MW-20, MW-28, and MW-29 were last collected in spring 2018. Monitoring has ceased due to no elevated detections.
● Gas System Metrics including wellhead data, operational runtime, gas flow rates, and gas quality (see Table 17).

As previously mentioned, cobalt in monitoring locations MW-18, MW-19, and MW-301 have been detected as SSLs above the GWPS during the fall 2017 sampling event and at MW-20 at the fall 2018 sampling event. A notification was sent to IDNR on November 30, 2017 and December 18, 2018, respectively. The wells are placed into corrective action and an assessment of corrective measures and public meeting was completed for cobalt in early 2019.

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Table 12A
Corrective Action Monitoring - Benzene Detections
2023 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
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	Benzene (µg/l)											**Significant Trend**	**Current Monitoring Prog. (Fall 2023)**
	Fall 2018	*Spring 2019*	*Fall 2019*	*Spring 2020*	*Fall 2020*	*Spring 2021*	*Fall 2021*	*Spring 2022*	*Fall 2022*	*Spring 2023*	*Fall 2023*		
Corrective Action Monitoring Point													
MW-20	6.40	5.77	6.47	6.98	5.51	6.12	5.70	5.34	3.09	2.71	3.66	None	Corrective Action
HMSP/Delineation Monitoring Points													
MW-16[1]	N.S.	<0.220	<0.220	<0.220	<0.220	<0.220	N.S	N.S.	N.S.	N.S.	N.S.		Water Level
MW-28[1]	0.710	0.792	0.485J	0.317J	<0.220	0.228J	N.S.	N.S.	N.S.	N.S.	N.S.		Water Level
MW-29	1.40	0.241J	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	Decreasing	Delineation
MW-30	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	None	Delineation
MW-306	0.666	<0.220	0.347J	0.644	0.280J	0.404J	<0.220	0.473J	<0.220	<0.211	<0.220	None	Delineation
MW-307A	N.S.	<0.220	0.420J	<0.220	0.429J	<0.220	0.316J	<0.220	<0.220	<0.220	<0.220	None	Delineation
MW-307B[1]	N.S.	<0.220	<0.220	<0.220	<0.220	<0.220	N.S.	N.S.	N.S.	N.S.	N.S.		Water Level
MW-308[1]	N.S.	<0.221	<0.220	<0.220	<0.220	<0.220	N.S.	N.S.	N.S.	N.S.	N.S.		Water Level

Note:

[1] Delineation Wells MW-16, MW-28, MW-307B and MW-308 are no longer sampled for benzene as part of the delineation program.

N.S. - Not Sampled during sampling event.

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Table 12B
Corrective Action Monitoring - Cobalt Detections
2023 Annual Waster Quality Report
Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
Permit No. 57-SDP-01-72P

Cobalt (mg/L)													
	Fall 2018	*Spring 2019*	*Fall 2019*	*Spring 2020*	*Fall 2020*	*Spring 2021*	*Fall 2021*	*Spring 2022*	*Fall 2022*	*Spring 2023*	*Fall 2023*	**Significant Trend**	**Current Monitoring Program (Fall 2023)**
Corrective Action Monitoring Points													
MW-18	0.00612	0.0051	0.00407	0.00271	0.00362	0.00338	0.00591	0.00446	0.00496	0.00255	0.00710	None	Corrective Action
MW-19	0.0172	0.0152	0.0124	0.0145	0.0154	0.0149	0.0129	0.00707	0.0150	0.0156	0.0190	None	Corrective Action
MW-20	0.00516	0.00556	0.00265	0.00273	0.00351	0.00494	0.00567	0.00344	0.00515	0.00339	0.00562	None	Corrective Action
MW-301	0.00308	0.00766	0.00546	0.007	0.00640	0.00480	0.00941	0.00450	0.00498	0.00273	0.00517	None	Corrective Action
Cobalt HMSP & Delineation Monitoring Points													
MW-15	0.00162	0.00258	0.00193	0.00239	0.00357	0.00143	0.00448	0.000701	0.00365	0.00351	0.00330	None	Assessment
MW-16[1]	N.S.	0.000796	0.000649	0.00085	0.000703	0.000739	N.S.	N.S.	N.S.	N.S.	N.S.		Water Level
MW-22	0.000317J	0.000302J	0.000339J	0.000312J	0.000357J	0.000335	0.000581	0.000492J	0.000438J	0.000481J	0.000401J	Increasing	Assessment
MW-23	N.S.	N.S.	N.S.	0.0014	0.000880	0.000178J	N.S.	N.S.	N.S.	N.S.	N.S.		Water Level
MW-28[1]	0.00149	0.00149	0.0016	0.00161	0.00138	0.00141	N.S.	N.S.	N.S.	N.S.	N.S.		Water Level
MW-29	0.00230	0.00182	0.00103	0.00453	0.000972	0.000842	0.001	0.000939	0.000780	0.00181	0.00137	None	Delineation
MW-30	0.000359J	0.000373J	0.000293J	0.000288J	0.000235J	0.000302J	0.000826	0.000458J	0.000579	0.000562	0.000645	None	Delineation
MW-300	0.00583	0.00124	0.00249	0.000422J	0.00240	0.000204J	0.00416	<0.000190	0.00525	0.000241J	None	None	Assessment
MW-306	0.00293	0.00127	0.00234	0.00168	0.00245	0.00197	0.00194	0.00216	0.00189	0.00203	0.00190	None	Delineation
MW-307A	N.S.	0.00187	0.000689	0.00455	0.00125	0.00151	0.000887	0.00181	0.000752	0.00232	0.000793	None	Delineation
MW-307B[1]	N.S.	0.000264J	0.000151J	0.000144J	<0.0000910	<0.0000910	N.S.	N.S.	N.S.	N.S.	N.S.		Water Level
MW-308[1]	N.S.	0.000205J	<0.0000910	0.000112J	<0.0000910	0.000135J	N.S.	N.S.	N.S.	N.S.	N.S.		Water Level

Note:

[1] Delineation Wells MW-16, MW-28, MW-307B and MW-308 are no longer sampled for cobalt as part of the delineation program.

N.S. - Not Sampled during sampling event.

Comments:

● Cobalt detections in the HMSP wells (MW-15, MW-22, MW-300) and delineation monitoring wells (MW-16, MW-23, MW-28, MW-29, MW-30, MW-306, MW-307A/B, MW-308) were used to delineate cobalt concentrations near the corrective action monitoring wells (MW-18, MW-19, MW-20, and MW-301).

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Table 13
Historical Groundwater Elevations
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Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
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Historic Groundwater Elevations Table

Monitoring Wells	Current Monitoring Program (Fall 2023)	2009		2010		2011		2012		2013		2014		2015		2016		2017		2018		2019		2020		2021		2022		2023	
		Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall
MW-9AR	Background	---	836.84	836.21	836.71	835.65	836.31	836.26	835.02	835.09	835.71	834.57	835.67	835.2	835.45	842.08	834.45	835.46	833.95	---	856	857.08	856.22	856.67	855.72	856.78	855.88	857.00	853.45	856.28	853.25
MW-15	Assessment	813.36	811.67	814.45	812.05	813.2	810.7	813.47	809.6	810.36	810.23	811.94	811.38	813.43	810.16	814.28	811.47	812.39	810.02	812.25	812.66	814.14	812.10	814.05	811.74	814.15	810.38	814.12	809.80	812.14	809.28
MW-16	Not in HMSP	814.36	814.13	816.63	813.47	814.83	812.89	815.05	811.85	812.12	812.75	813.1	813.56	814.23	812.67	---	813.11	813.40	812.55	813.44	815.64	817.01	814.11	816.48	814.08	817.01	812.78	815.28	812.64	814.72	812.53
MW-18	Corrective Action	822.84	820.51	826.71	821.41	823.21	820.11	823.25	819.32	819.80	819.83	820.74	821.3	823.47	819.47	825.11	820.06	821.16	819.15	821.47	821.46	824.24	821.24	823.84	823.26	824.34	819.69	824.39	819.19	821.39	819.11
MW-19	Corrective Action	840.69	839.68	844.3	839.95	840.58	839.27	840.91	837.29	838.61	838.72	839.82	839.82	840.31	838.29	841.65	837.36	839.74	837.63	837.78	839.92	842.93	840.73	842.52	840.13	842.47	839.2	843.08	837.68	840.01	837.04
MW-20	Corrective Action	811.04	812.01	817.21	811.62	813.23	810.25	813.71	809.47	810.33	810.2	811.42	811.09	812.58	809.97	815.53	810.73	811.42	809.64	810.98	812.31	815.84	810.83	814.08	810.98	814.79	809.84	813.94	809.44	811.62	809.16
MW-22	Assessment	838.13	837.52	838.36	837.51	837.59	837.15	838.27	835.03	837.00	835.94	837.15	836.81	837.59	836.57	838.67	836.35	837.01	835.37	833.85	836.98	837.30	837.12	838.35	837.67	832.12	830.43	832.30	828.69	830.85	829.59
MW-23	Not in HMSP	839.96	839.57	840.43	839.77	840.15	839.05	840.28	836.74	840.00	837.72	840.29	840.18	840.21	838.46	---	839.91	---	---	839.74	---	---	---	841.08	839.7	840.55	838.71	841.03	837.66	840.25	838.76
MW-24	Assessment	810.92	809.94	812.25	810.81	810.91	808.82	809.88	807.57	810.85	808.22	810.59	809.92	810.18	808.72	812.47	809.64	809.49	808.27	809.80	810.86	813.53	810.54	811.81	810.56	811.98	810.01	811.62	808.35	809.85	808.13
MW-26A	Assessment	817.27	816.84	817.67	810.52	810.22	808.69	809.5	808.61	809.47	808.46	810.07	809.9	809.61	808.74	811.75	809.74	809.41	808.59	809.45	810.85	812.86	810.35	811.23	810.55	811.61	809.44	811.15	DRY	809.80	DRY
MW-27	Not in HMSP	812.73	811.05	815.31	811.73	813.01	810.53	813.01	809.75	810.35	810.27	811.46	811.07	811.96	810.15	---	811.03	---	Dry	810.99	812.08	---	---	813.30	811.2	813.90	810.23	813.07	809.83	811.54	809.50
MW-28	Not in HMSP	811.98	811.08	814.65	811.04	812.22	809.91	812.3	809.15	809.86	809.66	810.8	810.43	811.26	809.59	813.01	810.46	810.98	809.48	810.58	811.43	813.54	810.63	812.51	810.63	813.03	809.7	812.34	809.32	810.93	809.04
MW-29	Delineation	813.17	811.46	815.29	811.81	813.43	811.11	813.27	809.6	810.32	810.14	811.63	811.07	812.38	810.05	813.93	811.08	811.83	809.87	811.55	812.29	814.08	811.50	813.51	811.38	813.67	810.12	813.42	809.61	811.75	809.18
MW-30	Delineation	812.36	811.06	813.59	811.45	812.65	810.17	812.25	809.2	809.88	809.61	811.29	810.81	812.08	809.88	813.42	811	811.33	809.51	811.25	811.82	813.15	811.40	812.87	811.02	812.99	810.04	812.85	809.29	811.19	808.62
MW-201A	Not in HMSP	---	---	---	---	---	---	865.09	856.53	---	862.03	861.77	864.52	864.8	860.31	---	---	---	---	---	---	---	---	864.92	864.84	864.90	859.06	865.35	858.54	864.61	861.79
MW-201B	Background	---	---	---	---	---	---	845.96	843.41	844.86	844.39	843.35	845.34	845.76	846.16	846.98	847.2	846.48	845.64	845.26	847.29	847.01	846.70	847.01	847.07	847.61	846.70	847.86	846.25	847.51	844.75
MW-201C	Not in HMSP	---	---	---	---	---	---	823.29	814.58	---	814.35	815.14	817.53	817.02	816.87	---	---	---	---	---	822.13	---	---	822.58	822.5	823.38	817.67	820.43	816.46	820.26	818.48
MW-204A	Not in HMSP	---	---	---	---	---	808.88	816.28	812.18	---	810.3	812.75	813.57	815.7	811.18	---	---	---	---	---	817.54	---	---	818.03	816.69	---	816.54	817.12	809.99	812.80	811.01
MW-204C	Not in HMSP	---	---	---	---	---	---	816.19	811.5	---	811.87	809.42	812.62	811.24	812.44	---	---	---	---	---	816.33	---	---	815.32	814.63	---	811.67	813.50	812.30	814.96	814.02
MW-211A[1]	Not in HMSP	---	---	---	---	---	---	849.13	838.76	839.87	840.59	838.77	845.91	847.72	841.53	849.01	843.88	844.48	839.14	841.70	847.79	847.04	843.31	849.28	843.65	850.91	839.16	849.98	838.78	843.99	842.52
MW-211D	Not in HMSP	---	---	---	---	---	---	815.76	809.88	---	809.77	810.48	812.37	811.8	811.2	---	---	---	---	---	847.79	---	---	815.82	---	---	857.04	814.15	811.19	813.97	812.45
MW-213A	Not in HMSP	---	---	---	---	---	---	816.4	814.68	---	813.81	816.05	817.43	817.12	818.19	---	---	---	---	---	---	---	---	---	---	---	814.94	816.74	813.18	816.96	815.41
MW-213D	Not in HMSP	---	---	---	---	---	---	815.61	809.76	---	809.65	810.63	812.7	812.04	811.21	---	---	---	---	---	---	---	---	---	---	---	810.73	813.73	810.62	813.39	812.39
MW-213E	Not in HMSP	---	---	---	---	---	---	815.65	809.77	---	809.67	810.62	812.69	811.99	810.87	---	---	---	---	---	---	---	---	---	---	---	810.77	813.74	810.63	813.42	812.46
MW-214[1]	Not in HMSP	---	---	---	---	---	---	826.36	823.19	824.43	823.88	823.94	825.1	825.51	823.96	827.84	825.08	824.65	823.51	824.24	826.29	827.38	826.05	827.18	825.59	828.32	824.16	827.08	823.51	824.84	823.27
MW-215[1]	Not in HMSP	---	---	---	---	---	---	815.4	809.12	812.28	810.08	813.46	813.89	815.25	811.14	816.39	814.24	814.70	810.25	814.38	814.83	815.53	815.16	815.38	814.49	816.37	811.58	815.73	809.97	814.69	813.06
MW-216	Not in HMSP	838.92	837.62	839.02	838.18	837.3	836.88	838.39	834.15	---	836.12	836.42	837.3	838.45	836.11	---	---	---	---	---	---	---	---	838.53	---	---	836.87	839.42	835.98	838.24	836.67
MW-218	Not in HMSP	---	---	---	---	---	---	---	---	---	807.92	---	809.74	809.12	808.72	---	---	---	---	809.27	812.27	---	811.32	811.74	811.6	---	810.07	811.52	809.44	810.89	809.42
MW-300	Assessment	---	---	849.98	849.53	851.23	848.24	850.1	845.23	848.85	846.24	850.55	849.11	850.9	846.9	850.6	848.32	849.23	846.29	849.46	848.96	850.12	849.10	849.86	848.72	849.82	848.06	850.15	846.25	849.07	845.72
MW-301	Corrective Action	---	---	814.31	812.36	812.89	811.15	813.84	809.95	811.05	810.58	811.2	811.86	813.42	810.54	816.16	811.34	811.85	810.24	811.95	812.76	815.20	812.04	814.79	811.98	815.85	811.62	814.58	810.22	812.28	810.01
MW-302R[2]	Assessment	---	---	817.65	817.05	817.7	816	818.27	812.11	818.19	814.27	817.83	817.31	818.4	816.15	818.71	816.23	818.12	812.98	818.58	818.72	818.96	818.69	818.72	817.24	---	818.97	817.84	818.08	817.53	816.90
MW-303	Assessment	---	---	810.48	809.64	809.28	808.2	808.8	807.01	808.59	807.94	809.15	809.43	808.83	808.32	810.57	808.94	808.94	807.89	808.87	810.65	812.26	809.93	810.55	810.26	811.29	808.79	811.05	807.96	809.44	807.42
MW-304R[3]	Assessment	---	---	809.45	809.3	808.27	808.57	808.39	806.19	805.52	807.39	806.29	808.06	806.53	807.7	809.2	809.06	808.05	807.79	807.36	800.83	810.78	809.78	809.77	807.77	810.54	808.68	809.73	808.44	809.69	807.18
MW-305	Assessment	---	---	---	---	---	---	---	---	813.45	810.14	809.45	811.41	810.6	810.48	813.09	812.09	811.12	810.1	810.53	813.19	813.95	813.95	813.55	813.6	814.00	812.25	812.54	810.21	811.74	808.56
MW-306	Delineation	---	---	---	---	---	---	---	---	810.34	809.32	809.9	809.73	810.14	809.29	811.23	810.78	811.06	810.19	810.79	811.23	812.49	810.92	811.70	810.79	812.26	810.6	812.01	810.16	811.01	807.91
MW-307A	Delineation	---	---	---	---	---	---	---	---	810.59	809.56	810.91	810.01	810.53	809.59	811.25	---	811.43	---	811.73	812.7	813.63	812.36	813.27	812.25	813.61	811.92	813.40	811.49	812.47	811.28
MW-307B	Not in HMSP	---	---	---	---	---	---	---	---	804.75	809.97	810.77	810.93	810.95	810.28	810.36	---	812.29	---	811.16	813.94	815.63	813.31	814.02	813.18	814.71	812.41	813.71	812.05	813.16	811.11
MW-308	Not in HMSP	---	---	---	---	---	---	---	---	811.19	809.69	810.58	810.78	811.1	810.28	811.97	---	811.93	---	811.53	813.49	814.48	813.21	813.39	812.88	814.17	812.34	813.63	811.76	812.81	810.46
MW-501	Detection	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	816.57	814.49	816.17	812.87	815.19	811.79
MW-502	Not in HMSP	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	810.90	810.57	810.81	810.10	810.79	808.96

Notes:
" -- " Denotes groundwater measurement was not collected.
[1] Monitoring Wells MW-211A, MW-214 and MW-215 were removed from the monitoring network as background wells during the 2021 HMSP Update.
[2] MW-302 was replaced with MW-302R on 09/07/2021 in the same location.
[3] MW-304 was replaced with MW-304R on 08/31/2020 in the same location.

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Table 14
Monthly Leachate Elevations - Leachate Wells
2023 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
Permit No. 57-SDP-01-72P

	Monthly Leachate Elevations (ft. AMSL) in Leachate Extraction Wells - 30 Acre Unlined Cell											
	LW-1	LW-2	LW-3	LW-4	LW-5	LW-6[1]	LW-7	LW-8	LW-9	LW-10	LW-11	LW-12
Leachate Levels Collected Prior to Leachate Collection System Renovations												
Jan. 2015	844.05	850.26	850.46	846.25	834.77	860.95	865.01	865.38	858.23	855.65	857.94	843.28
Feb. 2015	843.64	849.88	849.56	845.77	834.44	861.58	864.58	864.43	857.57	854.67	857.79	844.29
Mar. 2015	845.80	851.54	850.42	845.88	834.38	865.29	867.63	864.79	857.40	855.74	859.14	846.81
Apr. 2015	842.95	853.17	852.67	847.37	835.03	861.47	867.26	866.90	859.73	857.43	859.99	850.15
May 2015	842.49	852.53	852.93	847.88	835.68	861.38	866.30	867.24	860.75	857.83	859.64	838.72
Jun. 2015	842.57	852.84	853.63	848.33	835.71	861.43	866.76	867.14	860.40	858.30	859.69	843.68
Jul. 2015	842.41	852.36	852.92	848.71	835.98	861.12	862.69	866.41	859.30	857.74	860.69	837.80
Aug. 2015	839.70	850.79	851.62	847.91	835.43	861.01	860.63	864.98	857.99	856.17	858.94	838.35
Sept. 2015	841.44	849.86	850.31	846.59	834.95	860.57	862.36	863.77	857.15	854.80	858.19	834.70
Oct. 2015	841.97	849.44	849.50	845.77	834.34	860.98	862.10	862.99	856.67	853.75	857.69	840.30
Nov. 2015	839.43	849.43	849.26	845.10	834.82	860.87	863.93	864.65	857.80	855.35	859.09	845.37
Dec. 2015	839.55	850.42	851.46	845.85	833.74	860.92	857.38	865.04	857.83	856.05	859.31	847.22
Jan. 2016	838.95	852.40	853.00	848.31	835.35	861.03	863.96	866.39	859.39	857.58	855.04	851.25
Feb. 2016	839.55	852.42	852.69	848.11	835.28	865.31	866.38	866.51	859.51	858.28	860.09	852.58
Mar. 2016	842.95	853.08	853.70	848.62	834.99	861.38	865.63	867.08	859.91	858.85	860.39	854.45
Apr. 2016	840.54	854.01	854.15	849.65	835.45	860.98	865.63	867.73	860.70	859.93	861.39	856.08
May 2016	843.02	853.09	853.50	849.39	833.66	861.45	863.73	867.34	860.36	859.51	861.79	856.25
Jun. 2016	849.35	851.74	838.55	834.20	819.35	860.48	852.36	865.60	859.27	843.80	856.73	834.23
Average	**842.24**	**851.63**	**851.13**	**846.65**	**834.07**	**861.57**	**863.57**	**865.80**	**858.89**	**856.19**	**859.09**	**845.31**
Leachate levels Collected after Leachate Collection System Renovations												
Jul. 2016	849.81	851.25	839.43	833.59	819.84	860.94	852.64	865.71	858.77	845.19	855.60	845.10
Aug. 2016	852.52	851.62	838.54	833.29	820.53	860.38	852.99	866.12	858.88	844.42	855.45	830.11
Sept. 2016	854.29	852.34	838.81	833.47	819.51	859.59	852.28	866.96	859.59	844.36	855.66	835.35
Oct. 2016	853.72	851.10	838.27	833.55	819.95	860.13	852.79	865.17	857.86	844.59	854.98	835.92
Nov. 2016	853.85	851.21	838.56	833.89	819.93	860.46	851.98	865.45	858.40	844.52	854.97	835.66
Dec. 2016	853.50	850.98	838.74	833.89	818.03	862.27	852.59	865.15	858.07	844.64	854.79	834.89
Jan. 2017	853.55	851.27	838.50	833.84	819.45	862.27	852.84	865.21	858.15	851.25	854.71	835.72
Feb. 2017	853.49	851.25	837.63	833.95	820.71	861.60	853.33	864.97	857.95	851.30	854.48	842.60
Mar. 2017	853.96	851.44	838.39	833.05	820.67	862.07	853.36	865.67	858.74	862.66	855.19	836.11
Apr. 2017	855.14	853.01	838.87	832.75	819.56	861.04	852.85	867.87	860.72	838.30	855.83	835.21
May 2017	855.08	852.69	838.96	833.57	819.20	861.15	851.58	867.53	861.19	838.30	856.02	834.51
Jun. 2017	854.43	851.80	838.78	833.23	819.19	860.87	853.21	864.55	860.05	843.51	855.52	836.09
Jul. 2017	853.56	850.97	838.41	832.99	819.65	861.68	851.85	865.60	858.92	843.62	855.00	835.31
Aug. 2017	853.13	850.62	838.43	833.31	820.15	861.63	851.77	865.20	858.20	844.31	854.63	835.48
Sept. 2017	852.62	848.44	838.78	833.99	820.29	861.47	853.34	862.52	855.68	844.57	854.17	836.01
Oct. 2017	852.32	849.69	839.00	833.80	819.89	861.47	851.91	863.37	856.74	844.09	853.79	836.02
Nov. 2017	852.08	849.54	839.49	834.07	820.26	860.67	852.49	863.39	856.71	844.46	853.46	835.60
Dec. 2017	851.96	849.49	838.94	834.04	819.04	863.64	852.29	863.27	856.71	843.39	853.18	835.71
Jan. 2018	851.59	849.18	839.24	834.67	820.75	864.00	853.99	862.61	856.33	846.55	852.79	837.70
Feb. 2018	851.57	849.05	838.99	832.53	819.67	861.91	853.22	862.78	856.45	843.80	852.71	835.81
Mar. 2018	852.69	850.66	839.29	833.53	820.67	861.52	852.73	864.57	857.51	843.47	853.77	835.71
Apr. 2018	853.56	851.90	839.43	833.79	819.85	861.27	851.98	865.67	858.11	843.69	854.58	835.44
May 2018	853.82	851.79	838.69	833.91	820.40	861.42	852.65	866.90	858.49	844.43	854.72	835.46
Jun. 2018	853.38	851.13	838.40	834.07	820.20	860.70	851.76	865.98	857.91	844.24	854.54	835.85
Jul. 2018	853.12	850.73	838.99	832.60	820.04	861.41	853.03	865.54	857.48	844.58	854.30	835.04
Aug. 2018	852.82	846.97	839.13	833.21	820.35	860.42	851.71	864.93	857.04	844.74	854.05	835.60
Sept. 2018	854.33	852.62	838.81	833.36	--	861.08	853.31	867.57	858.57	843.10	854.65	836.06
Oct. 2018	854.61	853.41	848.71	839.86	826.19	859.49	851.67	867.99	858.79	844.70	854.66	834.70
Nov. 2018	854.60	851.81	838.99	833.74	820.36	860.51	852.66	866.96	858.32	843.97	854.48	836.97
Dec. 2018	854.73	852.35	839.01	833.84	820.25	860.86	852.36	865.94	859.06	--	854.78	--

-- Indicates the transducers were not working; and level could not be obtained.

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Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
Permit No. 57-SDP-01-72P

	Monthly Leachate Elevations (ft. AMSL) in Leachate Extraction Wells - 30 Acre Unlined Cell											
	LW-1	LW-2	LW-3	LW-4	LW-5	LW-6[1]	LW-7	LW-8	LW-9	LW-10	LW-11	LW-12
Jan. 2019	854.71	852.35	838.95	833.73	819.52	861.17	853.24	867.40	859.91	842.97	855.72	834.23
Feb. 2019	854.63	852.29	846.04	838.77	818.92	860.96	860.27	867.11	859.32	844.71	855.35	835.62
Mar. 2019	853.76	851.39	839.35	837.16	822.37	862.58	857.93	865.99	858.63	844.18	854.85	834.10
Apr. 2019	854.63	852.23	849.42	832.99	820.64	863.12	852.87	866.63	859.42	843.65	855.56	834.98
May 2019	855.74	854.37	849.42	832.44	844.91	861.76	853.29	868.33	860.39	847.71	856.18	834.86
Jun. 2019	855.63	854.46	839.40	833.49	819.38	860.92	853.14	867.47	859.88	843.63	855.96	845.27
Jul. 2019	854.57	851.83	839.51	832.78	820.33	862.64	852.14	865.60	858.01	844.51	855.31	836.00
Aug. 2019	853.79	851.18	839.06	833.75	820.12	861.94	852.03	864.90	857.56	844.32	854.95	835.45
Sep. 2019	853.22	850.60	839.26	833.82	820.47	861.95	852.47	864.03	856.79	843.42	854.51	835.63
Oct. 2019	853.50	851.29	839.50	833.56	819.22	859.44	852.69	865.50	857.33	844.21	855.18	836.02
Nov. 2019	854.57	852.00	839.24	833.62	819.25	862.65	852.77	866.80	858.96	844.23	855.31	835.59
Dec. 2019	855.22	852.51	838.20	833.43	819.28	861.27	852.10	868.08	860.13	844.82	856.07	835.77
Jan. 2020	854.73	852.87	839.26	833.18	818.98	861.83	852.35	867.71	859.95	844.48	855.9	836.14
Feb. 2020	854.66	851.97	838.91	833.21	820.70	860.73	852.37	866.53	859.16	844.71	855.55	842.62
Average	**853.71**	**851.40**	**839.77**	**833.85**	**820.67**	**861.38**	**852.88**	**865.76**	**858.43**	**844.80**	**854.86**	**836.23**
Leachate levels Collected after Leachate Collection System Renovations												
Mar. 2020	845.10	851.79	838.75	833.59	820.63	863.70	852.18	867.00	848.62	844.30	855.50	835.92
Apr. 2020	846.84	852.54	839.08	834.06	819.72	863.79	852.19	867.68	849.39	844.33	856.15	834.62
May 2020	846.19	852.05	838.94	833.74	818.90	860.83	852.09	866.64	849.59	844.51	855.92	836.00
Jun. 2020	846.75	852.31	--	833.71	819.02	861.70	853.12	867.17	847.71	844.35	855.98	835.29
Jul. 2020	846.65	851.79	839.39	834.02	820.38	861.75	852.35	866.66	849.65	844.10	855.88	837.01
Aug. 2020	846.25	850.36	839.22	832.65	820.77	861.55	852.06	864.57	850.45	844.61	855.08	835.83
Sep. 2020	846.20	849.84	839.44	834.09	820.16	862.01	852.53	863.75	849.68	844.48	855.87	835.28
Oct. 2020	846.69	850.23	839.00	834.06	820.25	861.89	852.20	864.64	848.73	844.33	854.57	834.37
Nov. 2020	846.13	850.50	838.84	834.40	817.15	861.14	852.85	864.97	848.91	843.76	854.89	836.04
Dec. 2020	846.41	851.09	838.48	833.93	819.34	862.19	852.42	865.67	849.66	843.96	855.39	835.72
Jan. 2021	847.22	850.86	839.24	834.10	820.76		853.08	864.74	849.59	843.66	855.10	832.99
Feb. 2021	846.97	850.53	840.31	836.50	821.87		852.58	864.68	849.66	843.60	854.98	835.54
Mar. 2021	846.65	852.29	839.40	832.83	820.32		849.71	866.64	849.61	844.51	856.59	834.84
Apr. 2021	847.05	852.63	839.36	833.84	819.98		851.75	867.83	849.64	844.61	856.29	833.11
May 2021	853.94	850.71	839.31	833.95	820.02		851.69	863.91	849.54	843.86	855.64	835.99
Jun. 2021	846.98	850.21	839.28	832.50	819.22		852.36	864.15	849.53	843.70	855.26	835.46
Jul. 2021	846.50	850.49	839.25	833.14	820.56		851.98	864.65	849.66	844.81	855.32	836.03
Aug. 2021	847.31	850.19	839.04	833.64	820.31		--	864.07	849.56	843.49	854.75	835.90
Sep. 2021	846.05	850.13	839.37	833.26	819.42		853.12	846.82	849.52	844.71	854.44	834.93
Oct. 2021	846.62	849.26	839.20	834.01	819.60		851.77	847.15	849.59	845.57	854.13	834.78
Nov. 2021	847.41	849.54	839.44	833.71	819.90		852.02	846.10	849.61	844.80	854.83	836.58
Dec. 2021	846.94	849.62	839.33	833.27	820.10		853.13	847.30	849.36	844.45	854.23	835.74
Jan. 2022	846.25	849.42	839.35	833.13	819.57	860.65	852.56	845.98	849.58	844.55	854.30	835.97
Feb. 2022	843.79	849.25	839.13	832.80	820.25	861.03	850.16	847.90	849.06	846.30	854.12	833.17
Mar. 2022	846.25	849.13	838.87	833.94	820.31	860.53	851.76	847.10	849.52	844.16	853.88	836.10
Apr. 2022	845.69	851.71	839.40	832.87	819.79	861.12	862.51	846.85	849.47	843.97	856.40	835.53
May 2022	846.41	852.54	839.34	833.85	819.49	860.74	852.40	846.20	847.74	844.04	856.14	835.48
Jun. 2022	846.69	850.97	839.30	833.30	820.70	861.82	852.90	846.36	849.26	844.22	855.18	836.13
Jul. 2022	846.70	850.28	839.19	833.91	820.42	861.03	852.53	847.11	849.45	844.03	855.05	835.93
Aug. 2022	847.35	849.87	839.23	834.00	818.97	861.74	851.66	846.53	849.39	844.00	854.85	835.00
Sep. 2022	845.03	849.45	839.25	833.41	820.72	861.10	852.07	847.30	849.35	843.90	854.62	834.93
Oct. 2022	846.15	849.03	839.21	833.10	819.63	860.68	852.54	847.25	849.44	844.73	854.28	860.20
Nov. 2022	846.67	848.48	839.00	833.83	820.49	861.54	852.67	849.24	849.21	844.80	854.03	835.08
Dec. 2022	846.59	848.56	838.83	833.86	819.99	860.91	853.11	846.07	848.36	843.79	854.02	832.48
Jan. 2023	847.25	848.79	839.43	833.35	820.65	861.70	852.36	847.00	849.50	844.41	854.83	836.11
Feb. 2023	846.94	849.39	838.99	832.81	819.21	861.14	853.36	846.34	849.57	844.11	854.66	836.02
Mar. 2023	847.29	851.07	839.41	833.19	819.10	861.05	851.63	846.42	849.00	843.89	855.58	835.92
Apr. 2023	846.20	850.94	838.56	833.73	820.15	861.21	852.36	847.31	849.19	843.36	855.74	833.48
May 2023	847.38	850.77	838.92	833.95	819.53	861.32	853.29	847.28	849.45	844.33	855.46	835.89
Jun. 2023	847.26	850.22	839.19	833.53	820.52	861.89	849.74	848.87	849.51	844.03	855.10	835.96
Jul. 2023	846.96	849.67	838.87	832.83	820.39	861.91	853.05	846.60	848.84	844.75	854.75	836.53

Table 14
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Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
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	Monthly Leachate Elevations (ft. AMSL) in Leachate Extraction Wells - 30 Acre Unlined Cell											
	LW-1	LW-2	LW-3	LW-4	LW-5	LW-6[1]	LW-7	LW-8	LW-9	LW-10	LW-11	LW-12
Aug. 2023	846.13	849.35	838.89	833.94	820.54	861.14	852.76	847.08	849.59	844.58	854.51	836.83
Sep. 2023	847.15	849.03	839.12	833.37	819.69	861.79	852.56	846.17	849.35	843.52	854.41	836.92
Oct. 2023	847.36	848.89	839.34	833.82	819.82	862.80	853.26	847.23	849.46	844.32	854.35	836.98
Nov. 2023	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.
Dec. 2023	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.
Average	**846.74**	**850.36**	**839.17**	**833.63**	**819.96**	**861.54**	**852.52**	**854.57**	**849.33**	**844.28**	**855.07**	**836.01**
Change from Initial Leachate Renovation	**4.49**	**-1.27**	**-11.95**	**-13.02**	**-14.11**	**-0.02**	**-11.05**	**-11.23**	**-9.56**	**-11.91**	**-4.02**	**-9.29**
Change from 2020 Leachate Renovation	**-6.97**	**-1.04**	**-0.59**	**-0.22**	**-0.70**	**0.16**	**-0.36**	**-11.19**	**-9.10**	**-0.52**	**0.21**	**-0.22**

'-- Indicates the transducers were not working; and level could not be obtained.

N.M. = Not Measured. During November and December 2023, utility work and improvements were being conducted at the 30-acre cell which prevented access to personnel for leachate level measurements at wells LW-1 through LW-12.

1 Due to improvements of the 30-acre cell in November and December 2023, the underground leachate storage tank was abandoned which removed the LW-6 monitoring point.

Table 14
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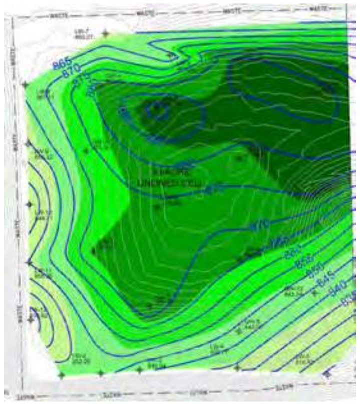
Comments:

Leachate pumps were installed at leachate wells LW-3, LW-4, LW-5, LW-7, LW-10, and LW-12, and the leachate system renovation startup was conducted on July 14, 2016. The leachate extraction wells with pumps installed have shown a decrease in the average leachate elevations of approximately 9 to 14 feet when compared to leachate elevations prior to the installation of extraction pumps. Overall, the average of the data indicates that leachate exaction efforts have been successful in decreasing leachate elevations over time with the exception of LW-1. In March of 2020, leachate pumps were installed at LW-1 and LW-9 as part of the GCCS Expansion project. The leachate levels have decreased at LW-1 by approximately 7 feet and at LW-9 by approximately 9 feet. In August 2021, a leachate pump was installed at LW-8 which has resulted in a decrease of leachate elevation by approximately 17 feet.

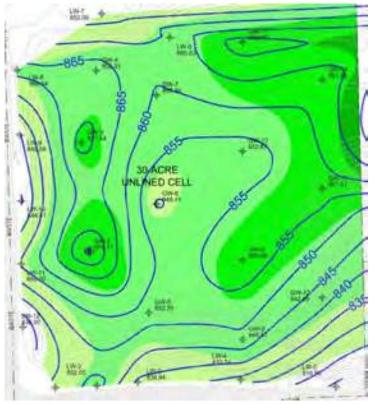
The leachate elevations in the 30-acre cell are visually shown on the attached Leachate Elevation Figures generated from leachate data collected once in the spring and once in the fall of 2019 through 2023. The elevation figures indicate elevated leachate head levels during 2019. Precipitation was greatest during the late summer and into the fall months of 2018 as well as spring and fall of 2019. Additionally, leachate pumps in LW-3, LW-4, and LW-5 were not running in October 2018. The leachate head levels decreased year over year from 2020 through 2023.

Semi-Annual Leachate Elevations
2023 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
Permit No. 57-SDP-01-72P

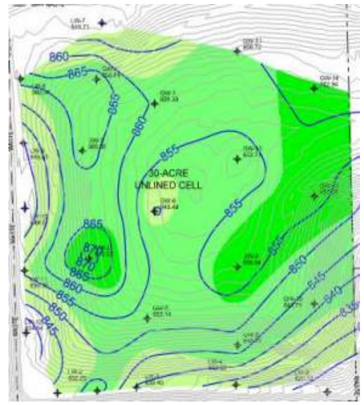
Spring 2019



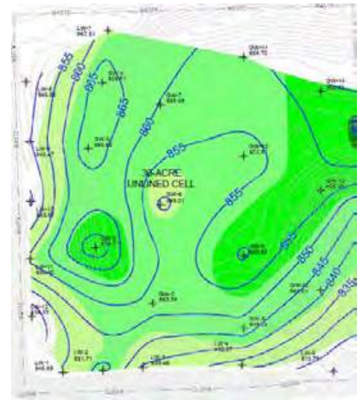
Spring 2020



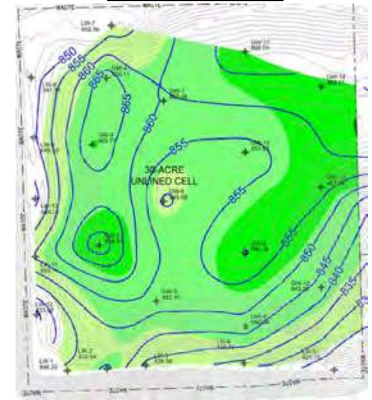
Spring 2021



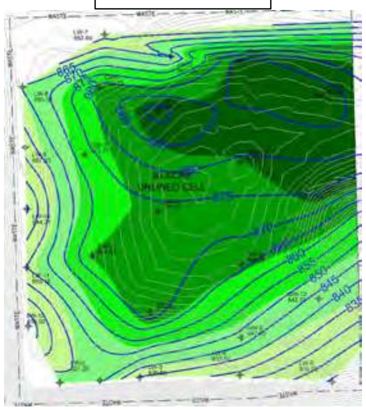
Spring 2022



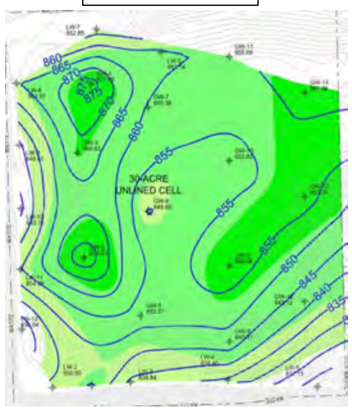
Spring 2023



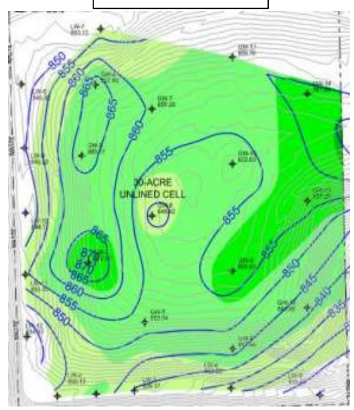
Fall 2019



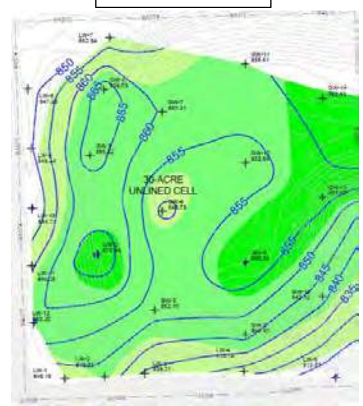
Fall 2020



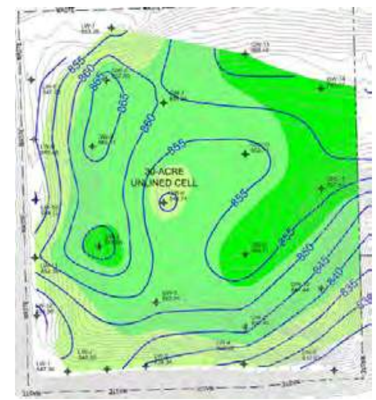
Fall 2021



Fall 2022



Fall 2023



Leachate Head Level - Elevation Table

Color	Minimum Elevation	Maximum Elevation
	5.000	20.000
	20.000	30.000
	30.000	40.000
	40.000	50.000
	50.000	61.070

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Table 15
Quarterly Leachate Elevations - Gas Wells
2023 Annual Water Quality Report
Cedar Rapid Linn County Solid Waste Agency Landfill - Site 2
Permit No. 57-SDP-01-72P

Piezometer	Bottom of Screen Elevation	Top of Screen Elevation	Feb. 2016	May 2016	Aug. 2016	Oct. 2016	Jan. 2017	May 2017	Sept. 2017	Nov. 2017	Jan. 2018	May 2018	Aug. 2018	Oct. 2018	Feb. 2019	Apr. 2019	Aug. 2019	Oct. 2019	Jan. 2020	May 2020
GW-1R*	855.80	875.80	*Installed March 2020*																	
GW - 2	843.21	888.21	869.55	873.51	871.84	870.83	871.94	873.80	871.10	869.35	867.77	871.53	869.85	873.92	874.28	875.03	872.94	874.84	875.43	876.17
GW - 3	841.65	888.65	871.52	874.45	872.44	872.98	872.15	874.75	872.63	871.64	870.13	869.86	869.39	871.37	872.83	873.39	873.32	873.29	874.61	872.54
GW - 4	854.27	880.27	880.22	881.39	880.84	880.95	880.12	882.06	882.07	881.21	880.14	880.04	879.99	882.13	882.71	882.38	883.31	882.78	885.36	868.21
GW - 5	838.07	890.07	867.88	872.69	861.22	861.17	866.96	871.98	869.28	867.72	866.28	863.74	867.81	871.64	873.48	874.40	873.19	873.30	872.88	852.29
GW - 6	838.77	901.77	874.81	875.96	874.59	874.19	874.49	874.14	873.48	873.15	872.49	873.27	872.01	872.30	873.76	873.66	873.46	873.57	871.11	849.41
GW - 7	845.19	896.19	854.42	854.42	854.42	866.31	860.44	860.33	853.52	854.41	867.77	880.84	876.91	888.97	890.36	892.78	889.94	892.96	890.25	859.39
GW - 8	831.91	870.91	854.05	855.75	846.44	846.74	846.30	846.90	846.43	846.27	845.72	846.32	846.36	847.19	847.30	848.05	847.35	847.93	848.11	848.81
GW - 9	840.02	899.02	852.89	865.86	852.84	855.44	852.82	852.82	858.72	852.93	863.46	864.09	864.55	864.66	866.28	866.34	866.03	866.69	864.34	859.06
GW - 10	839.61	904.61	873.26	873.91	877.31	877.18	878.66	876.16	870.36	873.06	872.68	877.23	874.56	874.18	876.68	877.86	879.15	879.04	878.92	852.67
GW - 11	847.55	886.55	852.30	852.45	852.40	862.40	854.43	852.10	852.21	852.45	865.18	873.77	851.68	867.37	884.75	887.33	888.45	887.87	889.17	872.98
GW - 12	829.85	869.85	844.06	844.16	843.09	842.55	842.43	842.56	842.34	841.85	841.16	841.36	841.29	841.06	843.24	843.34	843.36	842.79	843.30	842.69
GW - 13	844.97	882.97	870.22	874.48	868.84	866.59	874.50	869.39	871.00	873.56	873.01	872.48	874.50	872.91	875.22	875.60	875.95	874.64	873.37	857.51
GW - 14	844.94	900.94	858.95	859.17	859.18	867.32	875.86	858.72	857.33	859.19	870.82	877.34	879.57	885.00	887.25	888.80	887.95	889.48	888.64	861.95
GW - 15	838.62	853.62	847.84	849.99	849.80	849.63	848.97	849.05	847.61	847.61	846.89	849.70	847.60	850.86	849.91	850.24	847.73	849.91	851.11	845.26
GW - 16	839.77	895.77	865.20	866.07	865.56	866.89	866.34	871.36	870.78	870.72	868.25	870.57	870.31	876.33	880.61	881.81	879.51	881.91	882.12	882.61
GW - 17	841.82	890.82	860.33	861.82	861.93	862.48	862.11	863.92	861.92	862.88	861.80	863.47	863.07	866.03	867.18	867.94	866.85	868.47	869.46	869.88
GW - 18	830.00	865.00	831.67	832.70	831.89	832.79	832.54	832.76	832.76	833.33	832.41	832.59	832.56	834.99	836.76	838.54	836.97	839.03	840.44	845.72
GW - 19	834.08	888.58	840.80	842.85	841.04	841.05	842.62	848.65	844.23	844.16	842.33	847.15	845.79	853.10	854.57	858.33	856.69	858.13	858.93	860.93
GW - 20**	841.03	855.03	846.15	846.61	846.15	846.35	845.61	847.96	846.08	845.28	844.54	846.29	845.59	847.03	849.11	850.08	847.42	846.55	849.29	850.08
GW - 21	838.42	855.42	N.M.	840.77	840.36	839.62	840.15	840.64	840.34	839.87	EXT.	EXT.	EXT.	EXT.	EXT.	EXT.	EXT.	EXT.	841.19	842.03
GW - 22	839.90	893.90	854.28	855.01	853.68	853.58	853.63	854.58	853.67	853.24	852.81	854.21	853.41	855.87	857.29	858.77	857.24	858.17	859.07	860.70
GW - 27	793.20	840.20																		
GW - 29	791.50	861.50																		
GW - 31	811.90	852.90																		
GW - 32	819.90	854.90																		
GW - 33	789.70	838.70																		
GW - 34	790.00	855.00	*Installed March 2020*																	
GW - 35	792.20	836.20																		
GW - 36	793.20	835.20																		
GW - 37	797.60	816.60																		
GW - 38	799.00	817.00																		
GW - 39	798.50	822.50																		

Notes:

Elevations are in units of feet above mean sea level (ft amsl).

N.M. - Gas Well leachate level not measured.

EXT. - Wells were extended and inaccessible. No readings were obtained.

*GW-1R was installed during the Gas Expansion project in 2020. The first reading for GW-1R was taken in July 2020.

**GW-20 was abandoned in Fall 2020 due to resumed filling operations in the 13-Acre Cell.

Comments:

Leachate elevations were measured semiannually in the gas wells in 2014 and 2015, and quarterly in 2016 through 2023 as shown in Table 15 above. The leachate elevations measured in the gas wells in the 30-acre unlined cell (GW-1R, GW-2 through GW-14) are further evaluated for percent of screen available (shown in Table 16) as part of the leachate collection system improvements conducted in 2016 and ACM for benzene in MW-20.

Table 15

Quarterly Leachate Elevations - Gas Wells

2023 Annual Water Quality Report

Cedar Rapid Linn County Solid Waste Agency Landfill - Site 2

Permit No. 57-SDP-01-72P

Piezometer	Bottom of Screen Elevation	Top of Screen Elevation	Jul. 2020	Nov. 2020	Mar. 2021	Jul. 2021	Sep. 2021	Nov. 2021	Feb. 2022	Apr. 2022	Aug. 2022	Oct. 2022	Jan. 2023	Apr. 2023	Jul. 2023	Oct. 2023
GW-1R*	855.80	875.80	866.32	866.43	866.46	866.23	865.84	865.83	865.66	866.00	865.80	865.54	865.63	866.07	865.90	865.48
GW - 2	843.21	888.21	875.14	874.63	873.02	873.37	872.61	874.17	872.31	874.77	872.91	870.96	870.27	874.39	872.80	870.06
GW - 3	841.65	888.65	871.24	869.63	868.08	869.51	868.17	867.67	867.19	868.63	869.33	868.22	867.51	869.71	869.51	868.11
GW - 4	854.27	880.27	868.05	877.59	868.04	868.09	867.90	868.26	870.03	868.51	868.09	868.09	867.87	868.11	868.07	867.98
GW - 5	838.07	890.07	852.19	852.27	852.14	852.26	852.04	852.32	852.07	852.28	852.29	852.1	852.12	852.10	852.07	852.04
GW - 6	838.77	901.77	849.39	849.6	849.48	848.53	848.42	848.76	848.45	849.01	848.59	848.73	848.43	849.08	848.76	848.74
GW - 7	845.19	896.19	859.03	859.38	859.30	859.16	859.20	859.5	859.19	859.69	859.35	859.31	859.21	859.48	859.18	859.24
GW - 8	831.91	870.91	848.45	848.31	848.22	848.09	847.44	847.02	847.19	848.24	847.69	846.92	847.04	848.04	847.87	846.93
GW - 9	840.02	899.02	859.67	858.94	858.94	858.70	858.63	858.88	860.64	860.88	860.35	860.24	860.51	860.36	859.76	859.71
GW - 10	839.61	904.61	852.50	852.82	852.78	852.38	852.63	852.87	852.67	852.91	852.67	852.56	852.18	852.89	852.68	852.78
GW - 11	847.55	886.55	871.38	858.68	858.72	858.59	858.39	858.76	858.66	858.70	858.56	858.61	858.42	868.55	868.77	868.48
GW - 12	829.85	869.85	842.37	842.12	841.71	842.04	841.89	841.38	841.49	841.61	842.84	842.1	841.84	843.20	842.52	841.44
GW - 13	844.97	882.97	857.20	857.26	857.25	857.15	857.25	857.8	857.23	858.08	857.42	857.55	857.10	857.34	857.79	857.87
GW - 14	844.94	900.94	861.85	861.98	862.94	861.79	861.93	862.3	862.84	862.33	862.84	862.93	862.06	863.01	863.04	863.07
GW - 15	838.62	853.62	845.27	845.48	846.01	EXT.	841.66	832.81	834.09	835.64	834.25	834.88	833.90	834.23	835.06	839.25
GW - 16	839.77	895.77	882.58	EXT.	EXT.	EXT.	872.43	872.10	871.92	871.21	869.40	868.85	868.76	868.28	867.41	866.77
GW - 17	841.82	890.82	869.28	EXT.	EXT.	EXT.	EXT.	EXT.	EXT.	EXT.	EXT.	EXT.	EXT.	EXT.	EXT.	EXT.
GW - 18	830.00	865.00	846.11	844.99	842.80	EXT.	840.15	840.49	840.31	840.09	838.64	838.46	837.88	838.06	837.73	837.54
GW - 19	834.08	888.58	860.26	EXT.	EXT.	EXT.	856.33	852.43	852.33	852.63	855.33	856.13	858.13	851.63	851.83	851.83
GW - 20**	841.03	855.03	848.75	*Abandoned Fall 2020*												
GW - 21	838.42	855.42	841.71	841.88	841.65	841.83	844.98	845.12	843.69	845.11	843.34	842.88	842.34	843.23	841.39	841.23
GW - 22	839.90	893.90	860.89	860.75	858.94	EXT.	852.77	852.84	852.95	853.41	853.08	852.94	853.41	853.06	853.08	852.88
GW - 27	793.20	840.20	802.11	EXT.	EXT.	EXT.	EXT.	EXT.	EXT.	EXT.	EXT.	EXT.	EXT.	EXT.	EXT.	EXT.
GW - 29	791.50	861.50	820.02	826.10	829.50	830.30	835.80	838.30	EXT.	846.70	843.30	846.20	845.60	845.70	843.60	845.20
GW - 31	811.90	852.90	815.52	818.14	819.91	822.83	825.94	826.55	828.35	824.30	825.40	826.30	826.40	827.60	828.10	828.30
GW - 32	819.90	854.90	819.56	823.02	822.84	821.28	823.27	823.46	824.90	826.61	826.20	827.50	827.70	828.80	828.60	828.70
GW - 33	789.70	838.70	799.07	800.40	800.86	801.50	802.20	802.45	802.46	803.34	803.60	803.90	803.69	804.94	805.14	805.37
GW - 34	790.00	855.00	813.66	817.60	817.97	817.95	818.50	823.30	834.60	N.M.	N.M.	N.M.	818.00	815.80	815.70	815.80
GW - 35	792.20	836.20	791.98	791.98	792.00	792.24	793.10	793.49	794.69	795.30	796.00	796.40	797.30	798.07	798.50	798.75
GW - 36	793.20	835.20	792.76	792.84	793.69	794.55	796.24	796.50	798.75	799.20	798.60	800.90	803.50	799.00	799.00	802.70
GW - 37	797.60	816.60	791.69	791.82	791.96	792.12	792.23	792.28	792.36	792.42	792.60	792.50	792.61	792.66	792.71	792.77
GW - 38	799.00	817.00	EXT.	801.17	801.45	800.78	802.01	802.67	802.75	803.50	802.65	802.69	801.74	802.76	802.84	802.86
GW - 39	798.50	822.50	EXT.	791.62	792.08	792.29	787.31	787.43	787.61	787.72	787.95	788.01	788.16	788.30	788.40	788.40

Notes:

Elevations are in units of feet above mean sea level (ft amsl).

N.M. - Gas Well leachate level not measured.

EXT. - Wells were extended and inaccessible. No readings were obtained.

*GW-1R was installed during the Gas Expansion project in 2020. The first reading for GW-1R was taken in July 2020.

**GW-20 was abandoned in Fall 2020 due to resumed filling operations in the 13-Acre Cell.

Comments:

Leachate elevations were measured semiannually in the gas wells in 2014 and 2015, and quarterly in 2016 through 2023 as shown in Table 15 above. The leachate elevations measured in the gas wells in the 30-acre unlined cell (GW-1R, GW-2 through GW-14) are further evaluated for percent of screen available (shown in Table 16) as part of the leachate collection system improvements conducted in 2016 and ACM for benzene in MW-20.

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Table 16
Percent Available Screen Summary - Gas Wells - 30-acre Unlined Cell
2023 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
Permit No. 57-SDP-01-72P

Percent Available Screen in Gas Wells - 30 Acre Unlined Cell																																				
ID	Bottom of Screen Elev.	Top of Screen Elev.	Avg. Pre-Startup	Aug. 2016	Oct. 2016	Jan. 2017	May 2017	Sept. 2017	Nov. 2017	Avg. 2016-2017	Jan. 2018	May 2018	Sept. 2018	Nov. 2018	Feb. 2019	May 2019	Sept. 2019	Nov. 2019	Jan. 2020	Avg. 2018-Q1 2020	May 2020	Jul. 2020	Nov. 2020	Mar. 2021	Jul. 2021	Sep. 2021	Nov. 2021	Feb. 2022	Apr. 2022	Aug. 2022	Oct. 2022	Jan. 2023	Apr. 2023	Jul. 2023	Oct. 2023	Avg. Q2 2020-Q4 2023
Monthly Precipitation (inches)				7.01	1.50	0.88	4.27	0.40	0.57		0.03	5.59	8.20	1.61	1.99	7.99	6.51	1.28	0.72		2.49	4.49	2.15	1.77	0.79	1.65	0.77	0.25	2.51	2.76	1.90	1.19	1.44	2.09	2.96	
GW-1R*	855.80	875.80	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	47%	47%	47%	48%	50%	50%	51%	49%	50%	51%	51%	49%	49%	52%	49%
GW - 2	843.21	888.21	53%	36%	39%	36%	32%	38%	42%	37%	45%	37%	41%	32%	31%	29%	34%	30%	28%	34%	27%	29%	30%	34%	33%	35%	31%	35%	30%	34%	38%	40%	31%	34%	40%	33%
GW - 3	841.65	888.65	38%	34%	33%	35%	30%	34%	36%	34%	39%	40%	41%	37%	34%	32%	33%	33%	30%	35%	34%	37%	40%	44%	41%	44%	45%	46%	43%	41%	43%	45%	40%	41%	44%	42%
GW - 4	854.27	880.27	6%	0%	0%	1%	0%	0%	0%	0%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	46%	47%	10%	47%	47%	48%	46%	39%	45%	47%	47%	48%	47%	47%	47%	44%
GW - 5	838.07	890.07	53%	55%	56%	44%	35%	40%	43%	46%	46%	51%	43%	35%	32%	30%	32%	32%	33%	37%	73%	73%	73%	73%	73%	73%	73%	73%	73%	73%	73%	73%	73%	73%	73%	73%
GW - 6	838.77	901.77	56%	43%	44%	43%	44%	45%	45%	44%	46%	45%	47%	47%	44%	45%	45%	45%	49%	46%	83%	83%	83%	83%	85%	85%	84%	85%	84%	84%	84%	85%	84%	84%	84%	84%
GW - 7	845.19	896.19	74%	82%	59%	70%	70%	84%	82%	75%	56%	30%	38%	14%	11%	7%	12%	6%	12%	21%	72%	73%	72%	72%	73%	73%	72%	73%	72%	72%	72%	73%	72%	73%	72%	72%
GW - 8	831.91	870.91	46%	63%	62%	63%	62%	63%	63%	63%	65%	63%	63%	61%	61%	59%	60%	59%	58%	61%	57%	58%	58%	58%	59%	60%	61%	61%	58%	60%	62%	61%	59%	59%	61%	59%
GW - 9	840.02	899.02	72%	78%	74%	78%	78%	68%	78%	76%	60%	59%	58%	58%	55%	55%	56%	55%	59%	57%	68%	67%	68%	68%	68%	68%	68%	65%	65%	66%	66%	65%	66%	67%	67%	67%
GW - 10	839.61	904.61	45%	42%	42%	40%	44%	53%	49%	45%	49%	42%	46%	47%	43%	41%	39%	39%	40%	43%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	81%	80%	80%	80%	80%
GW - 11	847.55	886.55	84%	88%	62%	82%	88%	88%	87%	83%	55%	33%	89%	49%	5%	0%	0%	0%	0%	26%	35%	39%	71%	71%	72%	72%	71%	72%	71%	72%	72%	72%	46%	46%	46%	62%
GW - 12	829.85	869.85	63%	67%	68%	69%	68%	69%	70%	68%	72%	71%	71%	72%	67%	66%	66%	68%	66%	69%	68%	69%	69%	70%	70%	70%	71%	71%	71%	68%	69%	70%	67%	68%	71%	69%
GW - 13	844.97	882.97	47%	37%	43%	22%	36%	32%	25%	32%	26%	28%	22%	26%	20%	19%	18%	22%	25%	23%	67%	68%	68%	68%	68%	68%	66%	68%	66%	67%	67%	68%	67%	66%	66%	67%
GW - 14	844.94	900.94	66%	75%	60%	45%	75%	78%	75%	68%	54%	42%	38%	28%	24%	22%	23%	20%	22%	30%	70%	70%	70%	68%	70%	70%	69%	68%	69%	68%	68%	69%	68%	68%	68%	69%

Comments:

The percentage of screen available for gas removal in the gas wells located within the 30-acre unlined cell are shown in Table 16 above and the following graphs. The graphs depict the screen available prior to and following the leachate collection system improvements completed in July 2016. The leachate collection system improvements included the installation of nine modern leachate extraction pumps and pump controls (LW-1, LW-3, LW-4, LW-5, LW-7, LW-8, LW-9, LW-10, and LW-12). Additional information on the leachate extraction system is provided with Table 18.

The data presented indicate the leachate extraction efforts were resulting in a measurable change in the overall leachate elevations (shown in Table 14) and screen availability (shown in Table 16). In order to increase the efforts of lowering the leachate mounding in the 30-acre unlined cell and increase the amount of screen available in the gas extraction wells, additional optimization of the landfill gas collection system has been conducted. Landfill gas collection and control system expansion project was completed in March of 2020. The expansion included new vertical extraction wells, header piping extensions, lateral piping connections, leachate manhole replacement and a landfill dewatering system including an air compressor, air supply pipe, leachate force main and associated pumps.

*GW-1R was installed during the Gas Expansion project in 2020. The first reading for GW-1R was taken in Q3 (July) of 2020.
N.M. - No measurement was taken.

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Table 17
Summary of Gas System Metrics
2023 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
Permit No. 57-SDP-01-72P

Time Period	Operational Runtime	Runtime Percentage	Average Collection Flow rate	Average Gas Quality
(Semi-annual)	(Hours)	(%)	(SCFM)	(% Methane)
Prior to Leachate Renovation Start-up				
01/01/16 - 06/21/16	4,087.2	98.44	340.08	53.08
Following Leachate Renovation Start-up				
06/22/16 - 12/31/16	4,490.5	96.95	357.42	53.45
01/01/17 - 12/31/17	8,626.4	98.68	343.34	51.63
01/01/18 - 12/31/18	8,626.8	99.83	346.22	53.69
01/01/19 - 12/31/19	8,650.5	98.75	324.20	55.00
01/01/20 - 12/31/20	8,202.7	93.38	584.87	58.41
01/01/21 - 12/31/21	8,690.7	99.21	647.57	56.70
01/01/22 - 12/31/22	8,726.1	99.61	694.53	55.56
01/01/23 - 12/31/23	8,654.0	98.79	629.94	55.98

Comments:

As a source control monitoring activity for the 30-acre cell, measurement and evaluation of gas system operational metrics were completed, as shown above. The measured metrics include wellhead data, operational runtime, gas flow rates, and gas quality. These measured metrics were originally included in the AWQR to monitor trends in the 30-acre cell; however, the GCCS expansion project included additional gas wells installed in Phases 1 through 4. The increase in the average collection flow rate is indicative of the additional gas wells installed. The gas system metrics will continue to be monitored; however, it should be noted that these metrics now include gas collection in the 13-acre cell and Phases 1 through 4, in addition to the 30-acre cell.

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Table 18
Leachate Management Summary
2023 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
Permit No. 57-SDP-01-72P

Month	Maximum Head on Liner (ft)				Leachate Collected (gal)			Volume Recirculated (gal)	Discharged to CRWPCF* (gal)	Precipitation (in)
	LHW-13A	LPT-P1-2	LPT-P3	LPT-P5	30-Acre Cell[2]	13-Acre & Phase 1-4 Cells	Site wide total			
January	0.005	0.000	0.017	0.525	2,070	426,995	429,065	0	429,065	1.19
February	0.011	0.000	0.017	0.483	2,940	595,702	598,642	0	598,642	1.80
March	0.009	0.000	0.017	0.583	7,470	971,310	978,780	0	978,780	1.80
April	0.012	0.000	0.017	0.667	10,050	948,066	958,116	0	958,116	1.44
May	0.01	0.000	0.017	0.967	2,700	691,536	694,236	0	694,236	2.29
June	0.008	0.000	0.025	1.02[1]	3,000	357,002	360,002	0	360,002	2.15
July	0.01	0.000	0.025	0.833	4,020	305,336	309,356	0	309,356	2.09
August	0.01	0.000	0.025	1.583[1]	3,600	264,292	267,892	0	267,892	1.44
September	0.012	0.000	0.025	0.825	3,840	290,741	294,581	0	294,581	1.07
October	0.015	0.000	0.025	0.766	1,080	102,665	103,745	0	103,745	2.96
November	0.016	0.000	0.025	0.533	N.O.	444,015	444,015	0	444,015	0.27
December	0.016	0.000	0.025	0.617	N.O.	86,327	86,327	0	86,327	0.84
2023 Annual Total					**40,770**	**5,483,987**	**5,524,757**	**0**	**5,524,757**	**19.34**

Notes:
*CRWPCF = Cedar Rapids Water Pollution Control Facility
Leachate head levels in the lined 13-acre cell are monitored by a pressure transducer inside slope riser LHW-13A.
Leachate head levels in Phases 1 and 2 are monitored by a pressure transducer in sideslope riser LPT-P1-2.
Leachate head levels in Phases 3 and 4 are monitored by a pressure transducer in sideslope riser LPT-P3.
Leachate head levels in Phase 5A is monitored by a pressure transducer in sideslope riser LPT-P5.

[1] Higher head levels in LPT-P5 are suspected to be due to sediment accumulation in the transducer riser. The riser was flushed with water in August 2023 and the transducer was then pulled and cleaned with the riser flushed again in November 2023.

[2] The flow meter associated with the pumps from the old 30-acre cell leachate tank has been removed. Therefore leachate volumes will not be monitored in the future at the 30-acre cell.

N.O. = Not Operational. Due to utility work in the 30-acre cell, the leachate collection system was not operational during November and December 2023.

Comments:

● A transducer continuously monitors levels at LHW-13A. The transducer was replaced on October 19, 2022. Prior to October 19, 2022, the transducer recorded leachate head measurements daily. The new transducer recorded leachate head measurements weekly. The maximum daily value recorded for each month is presented in the table above.

● Cleaning of the leachate collection lateral lines was completed in April 2022. The next line cleaning is due in 2025.

Table 18
Leachate Management Summary
2023 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
Permit No. 57-SDP-01-72P

Leachate Collection System Description:
The Site 2 leachate management system is divided into two discrete leachate collection systems: 1) unlined 30-acre closed cell, and 2) lined 13-acre, Phase 1-4 cells, and Phase 5A.

Unlined 30-Acre Cell:
The unlined 30-acre leachate system consists of 11 vertical leachate collection wells which were originally installed between 1996 and 1997 and are located along the west, north, and east perimeter of the 30-acre closed cell. Leachate collection wells are noted by LW-1 through LW-12, and LW-6 references the underground leachate storage tank. Nine of the leachate wells (LW-1, LW-3, LW-4, LW-5, LW-7, LW-8, LW-9, LW-10, and LW-12) have been retrofitted with modern leachate extraction pumps and pump controls. The remaining extractions wells do not currently function as active leachate extraction points. Prior to November 2023, leachate collected in the vertical wells was conveyed via 2-inch underground forcemain to an underground 12,000-gallon holding tank located on the east side of the 30-acre closed cell. Accumulated leachate was pumped from the holding tank to a secondary forcemain pipe discharging to a gravity sewer that drains into the main lift station near the leachate lagoon, where it is comingled with leachate from Subtitle D lined portions of Site 2. From the sanitary sewer lift station, leachate is discharged offsite via 4-inch diameter sanitary sewer forcemain to the City of Marion sanitary sewer system and ultimately to the Cedar Rapids Water Pollution Control Facility (CRWPCF). Improvements to the 30-acre cell were conducted in late 2023 which included the abandonment of the underground 12,000-gallon holding tank and LW-6. Leachate collected in the vertical wells is conveyed via a leachate forcemain and is routed to to a manhole connection for the sanitary sewer forcemain.

Although not formally part of the leachate collection system, CRLCSWA has installed leachate extraction pumps in nine (9) of the landfill gas wells within the 30-acre closed cell footprint. Leachate from these dual phase gas/leachate wells is discharged into the forcemain which ties into the 13-acre cell manhole and 30-acre cell forcemain.

Lined 13-Acre Cell, Phases 1-4, Phase 5A:
The lined 13-acre cell was constructed with a Subtitle D and IAC Chapter 113 compliant leachate collection system, including perforated gravity collection lines and an aggregate drainage layer constructed directly above the composite liner surface. A solid gravity collection line on the western edge of the 13-acre cell connects the 13-acre cell leachate collection system to the Phase 1-4 leachate collection system. Phase 1 and Phase 2 expansion cells were constructed in 2008 and 2010, respectively, using perforated gravity collection lines within the drainage layer directly above the composite liner surface draining from west to east through the Phase 1 and Phase 2 cells. Phase 3 and 4 expansion cells were constructed in 2013, with a leachate collection system similar to Phases 1 and 2. Leachate discharges to a header trench at the toe of the eastern sideslope. A pump house, located at the eastern toe of the Phase 1 sideslope, has two pumps which convey the collected leachate to a manhole east of the storage lagoon. Phase 5A has a sideslope leachate pump which removes leachate from the Phase 5A sump and transmits leachate via a 3-inch by 6-inch dual contained forcemain to the leachate manhole. From this manhole, leachate is either routed to the sanitary sewer forcemain and treated at CRWPCF, as described above, or stored in the 1.3 million gallon leachate storage lagoon. During the reporting period, the leachate lagoon was not utilized and all leachate was routed to the sanitary sewer forcemain.

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Table 19
Gas Monitoring Summary
2023 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
Permit No. 57-SDP-01-72P

Monitoring Points			**Methane Results (% LEL)**							
			Quarter 1		**Quarter 2**		**Quarter 3**		**Quarter 4**	
			Date:	3/2/23	Date:	6/6/23	Date:	9/20/23	Date:	12/6/23
			Inspector:	RTG	Inspector:	RTG	Inspector:	RTG	Inspector:	RTG
			Temp, ˚F:	37	Temp, ˚F:	83	Temp, ˚F:	64	Temp, ˚F:	43
			Barometric Press, in Hg:	30.0	Barometric Press, in Hg:	29.9	Barometric Press, in Hg:	30.0	Barometric Press, in Hg:	30.1
			Precipitation, inches:	0.00	Precipitation, inches:	0.00	Precipitation, inches:	0.00	Precipitation, inches:	0.00
			Wind Speed, mph:	0-5	Wind Speed, mph:	0	Wind Speed, mph:	5	Wind Speed, mph:	16
			Wind Direction (from):	E	Wind Direction (from):	CALM	Wind Direction (from):	S	Wind Direction (from):	S
			Weather Description:	Cloudy	Weather Description:	Cloudy	Weather Description:	Cloudy	Weather Description:	Clear
Site ID #	**Type**	**Location**	**% LEL**	**Comments**	**% LEL**	**Comments**	**% LEL**	**Comments**	**% LEL**	**Comments**
GMP-N	Gas Monitoring Probe	40' East of MW-19	0	-	0	-	0	-	0	-
GMP-S	Gas Monitoring Probe	South Property Line	0	-	0	-	0	-	0	-
GMP-W	Gas Monitoring Probe	50' North of MW-15	0	-	0	-	0	-	0	-
GMP-E	Gas Monitoring Probe	Due East of Scalehouse	0	-	0	-	0	-	0	-
BLDG-1	Indoor	Scalehouse	0	-	0	-	0	-	0	-
BLDG-2	Indoor	Office	0	-	0	-	0		0	
BLDG-3	Indoor	Resource Recovery Building	0	-	0	-	0	-	0	-
BLDG-4	Indoor	Fire Pumphouse	0	-	0	-	0	-	0	-
BLDG-5	Indoor	Maintenance Building	0	-	0	-	0	-	0	-
BLDG-6	Indoor	Air Compressor Building	0	-	0	-	0	-	0	-
BLDG-7	Indoor	LFGTE Building	0	-	0	-	0	-	0	-
MW-19	Monitoring Well	North of Unlined Cell	0	-	0	-	0	-	0	-
MW-22	Monitoring Well	North of Unlined Cell	24	-	2	-	0	-	4	-
GP-1	Gas Monitoring Probe	East of Unlined Cell	0	-	0	-	0	-	0	-
GP-2	Gas Monitoring Probe	East of Unlined Cell	0	-	0	-	0	-	0	-
GP-3R	Gas Monitoring Probe	East of Unlined Cell	0	-	0	-	0	-	0	-
GU-1	Underdrain	West Property Boundary	0	-	0	-	0	-	0	-

Notes:
%LEL = Percent of Lower Explosive Limit

Table 20
Duplicate Sample RPD
2023 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Landfill - Site 2
Permit No. 57-SDP-01-72P

Parameter	Units	DUP-1	GU-L	RPD	DUP-2	GU-O	RPD
Arsenic	mg/L	N/A	N/A	N/A	0.00298	0.00225	27.92%
Barium	mg/L	0.0507	0.0488	3.82%	0.332	0.310	6.85%
Cadmium	mg/L	N/A	N/A	N/A	0.000225	N/A	N/A
Cobalt	mg/L	0.00189	0.00179	5.43%	N/A	N/A	N/A
Silver	mg/L	N/A	N/A	N/A	0.00121	N/A	N/A
Thallium	mg/L	N/A	N/A	N/A	0.00910	N/A	N/A
TSS	mg/L	2.75	2.25	20.00%	28.0	29.0	3.51%

Notes:

N/A = Not Applicable; Constituent was not analyzed or detection was not above the laboratory reporting limit; therefore the RPD was not calculated.

RPD = Relative Percent Difference

TSS = Total Suspended Solids

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Figures

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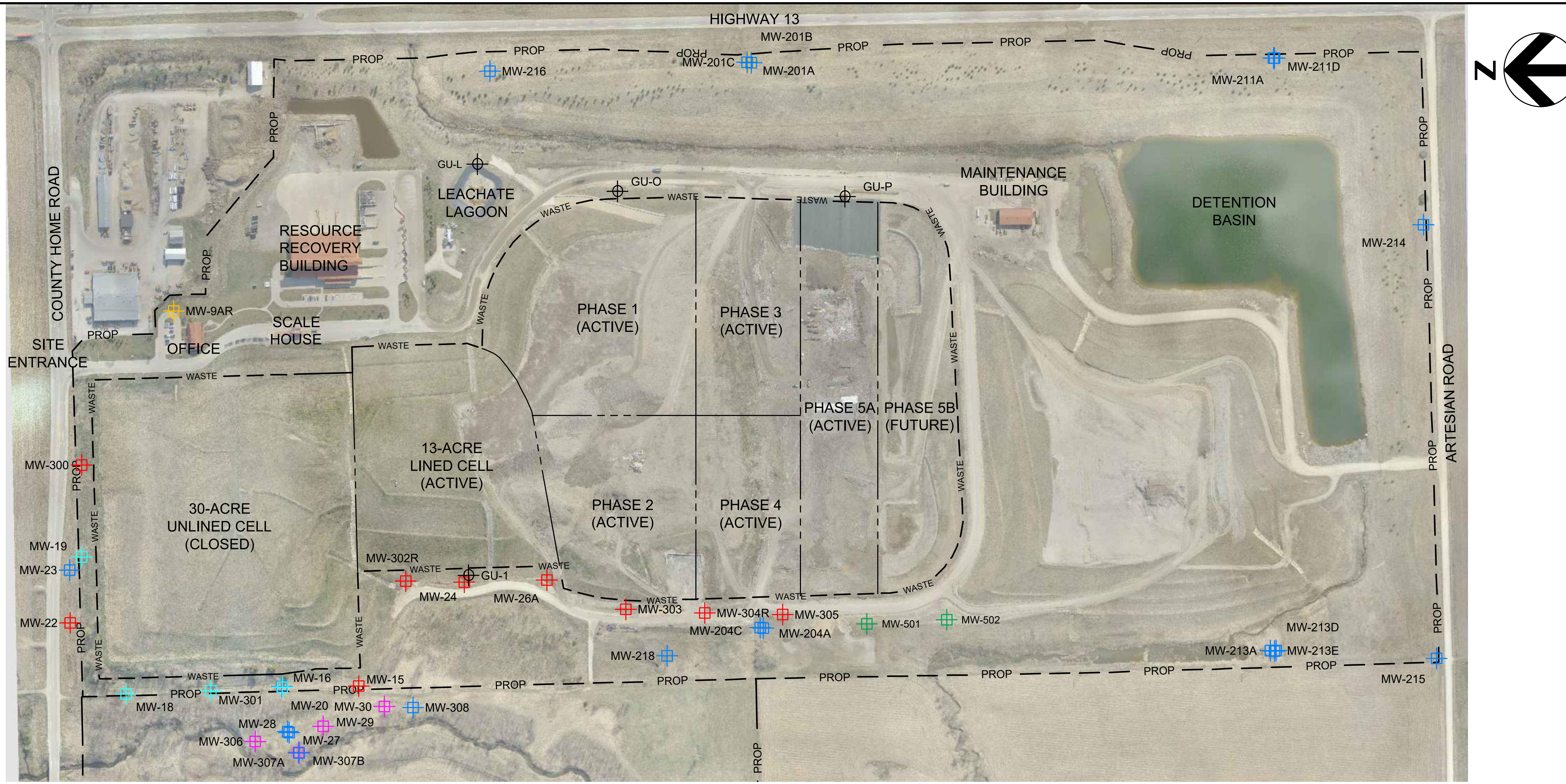

LEGEND

WASTE	PERMITTED EDGE OF WASTE
	CELL BOUNDARY
PROP	PROPERTY LINE
	ASSESSMENT MONITORING WELL
	BACKGROUND MONITORING WELL
	DETECTION MONITORING WELL
	CORRECTIVE ACTION WELL
	WELL - WATER LEVEL ONLY
	DELINEATION WELL
	GROUNDWATER UNDERDRAIN

400 0 400 800

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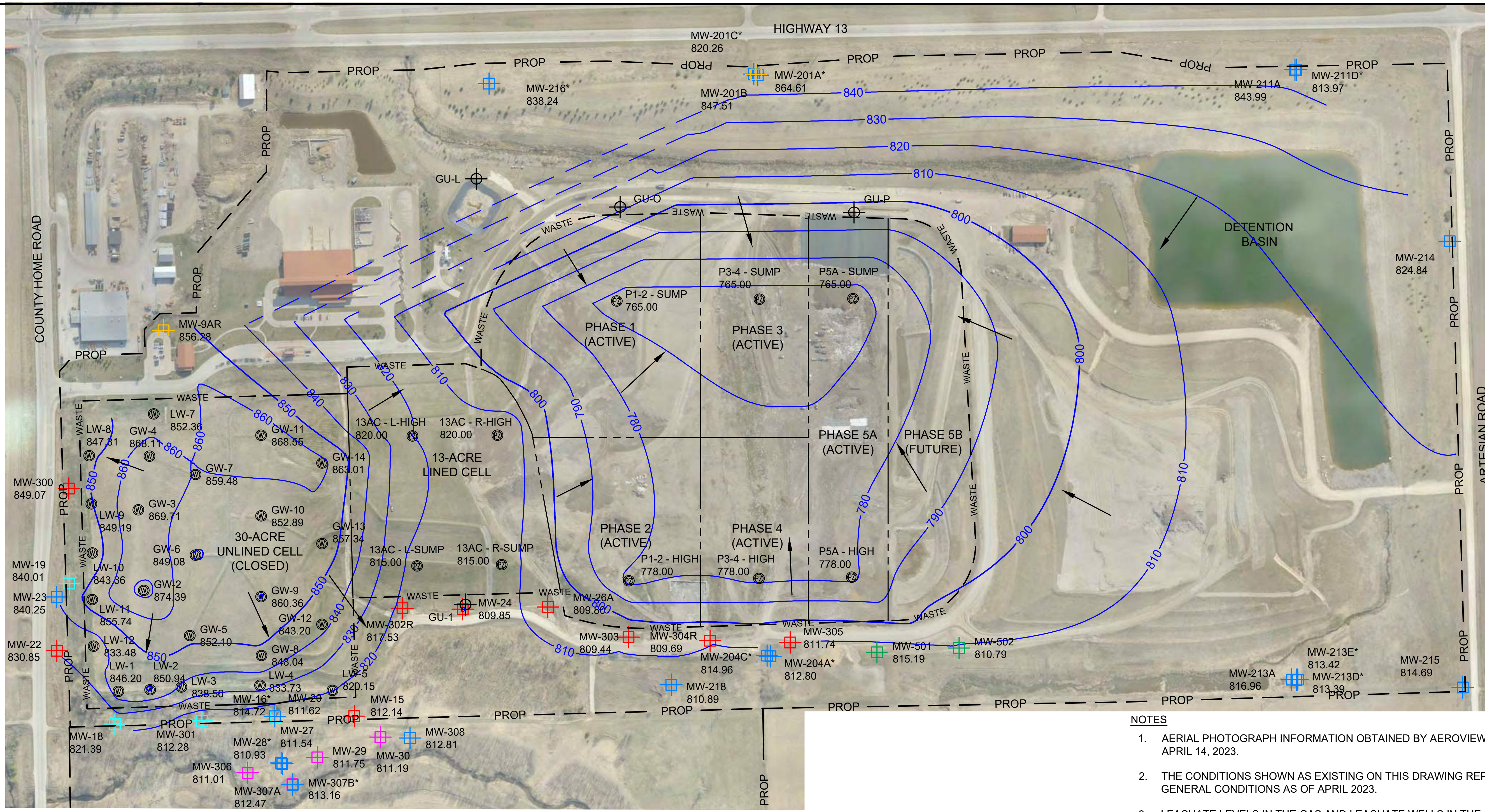
CEDAR RAPIDS LINN COUNTY
SOLID WASTE AGENCY - SITE 2
SITE MAP

2023 ANNUAL WATER QUALITY REPORT

DATE
DECEMBER 2023

FIGURE
1



LEGEND

— — — WASTE —	PERMITTED EDGE OF WASTE
——— — — ———	CELL BOUNDARY
— — — — PROP —	PROPERTY LINE
——— 830 ———	GROUNDWATER CONTOUR
——— ——— ———	INFERRED GROUNDWATER CONTOUR
←	FLOW DIRECTION
	ASSESSMENT MONITORING WELL
	BACKGROUND MONITORING WELL
	DETECTION MONITORING WELL
	CORRECTIVE ACTION WELL
	WELL - WATER LEVEL ONLY
	DELINEATION WELL
	GAS WELL
	LEACHATE WELL
	PIEZOMETER

NOTES

1. AERIAL PHOTOGRAPH INFORMATION OBTAINED BY AEROVIEW AND UPDATED APRIL 14, 2023.
2. THE CONDITIONS SHOWN AS EXISTING ON THIS DRAWING REPRESENT THE GENERAL CONDITIONS AS OF APRIL 2023.
3. LEACHATE LEVELS IN THE GAS AND LEACHATE WELLS IN THE 30-ACRE UNLINED CELL ARE INCLUDED IN THE GROUNDWATER SURFACE CONTOUR MAP.
4. *MONITORING POINTS WERE NOT UTILIZED IN GENERATION OF THE GROUNDWATER CONTOUR MAP.
5. GROUNDWATER UNDERDRAIN PEIZOMETER ELEVATIONS ARE DETERMINED BY AS-BUILT ELEVATIONS FOR BOTTOM OF RECOMPACTED CLAY LINER SYSTEM (TOP OF GROUNDWATER UNDERDRAIN COLLECTION SYSTEM).

400 0 400 800

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CEDAR RAPIDS LINN COUNTY SOLID WASTE AGENCY - SITE 2
GROUNDWATER CONTOUR MAP - APRIL 2023

2023 ANNUAL WATER QUALITY REPORT

DATE JULY 2023

FIGURE 2

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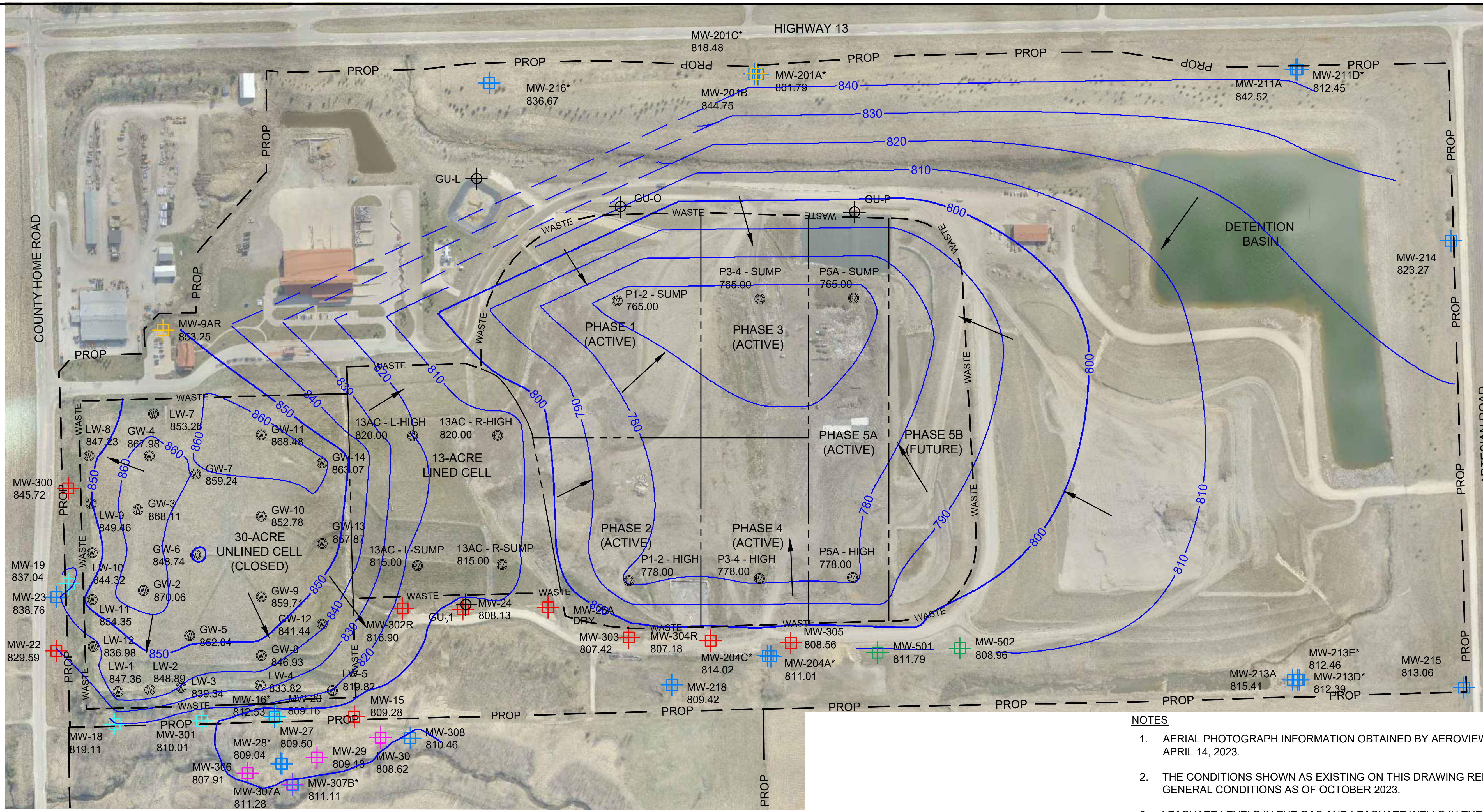

NOTES

1. AERIAL PHOTOGRAPH INFORMATION OBTAINED BY AEROVIEW AND UPDATED APRIL 14, 2023.
2. THE CONDITIONS SHOWN AS EXISTING ON THIS DRAWING REPRESENT THE GENERAL CONDITIONS AS OF OCTOBER 2023.
3. LEACHATE LEVELS IN THE GAS AND LEACHATE WELLS IN THE 30-ACRE UNLINED CELL ARE INCLUDED IN THE GROUNDWATER SURFACE CONTOUR MAP.
4. *MONITORING POINTS WERE NOT UTILIZED IN GENERATION OF THE GROUNDWATER CONTOUR MAP.
5. GROUNDWATER UNDERDRAIN PEIZOMETER ELEVATIONS ARE DETERMINED BY AS-BUILT ELEVATIONS FOR BOTTOM OF RECOMPACTED CLAY LINER SYSTEM (TOP OF GROUNDWATER UNDERDRAIN COLLECTION SYSTEM).

400 0 400 800

SCALE IN FEET

LEGEND

- WASTE — PERMITTED EDGE OF WASTE
- CELL BOUNDARY
- PROP — PROPERTY LINE
- 830 — GROUNDWATER CONTOUR
- INFERRED GROUNDWATER CONTOUR
- FLOW DIRECTION
- ASSESSMENT MONITORING WELL
- BACKGROUND MONITORING WELL
- DETECTION MONITORING WELL
- CORRECTIVE ACTION WELL
- WELL - WATER LEVEL ONLY
- DELINEATION WELL
- GAS WELL
- LEACHATE WELL
- PIEZOMETER

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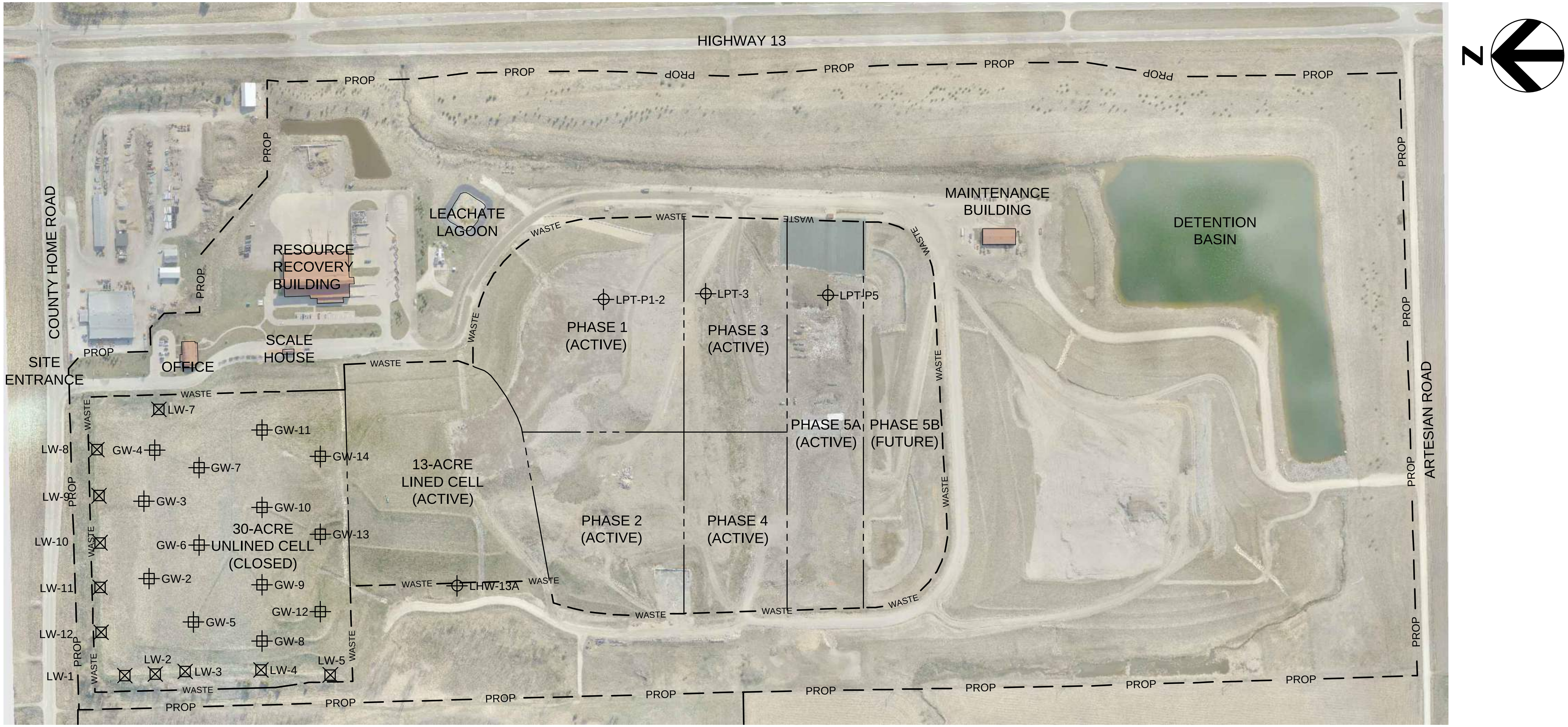
CEDAR RAPIDS LINN COUNTY SOLID WASTE AGENCY - SITE 2 GROUNDWATER CONTOUR MAP - OCT. 2023

2023 ANNUAL WATER QUALITY REPORT

DATE
DECEMBER 2023

FIGURE
3



LEGEND

WASTE	PERMITTED EDGE OF WASTE
	CELL BOUNDARY
PROP	PROPERTY LINE
	LEACHATE EXTRACTION WELL
	VERTICAL GAS WELL
	LEACHATE HEAD TRANSDUCER

NOTES:

1. AERIAL PHOTO OBTAINED BY AEROVIEW SERVICES DATED APRIL 14, 2023.
2. LEACHATE LEVELS ARE MEASURED IN GAS WELLS FOR SOURCE CONTROL MONITORING FOR ASSESSMENT OF CORRECTIVE MEASURES.

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CEDAR RAPIDS LINN COUNTY SOLID WASTE AGENCY - SITE 2
LEACHATE MONITORING LOCATION MAP

DATE
DECEMBER 2023

FIGURE
FIGURE 4

2023 ANNUAL WATER QUALITY REPORT

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NOTES

1. AERIAL PROVIDED BY AEROVEIW SERVICES, DATED APRIL 14, 2023.

LANDFILL GAS MIGRATION MONITORING POINTS

POINT NO.	NORTHING	EASTING	LOCATION	TYPE
BLDG-1	3502384.58	5449212.97	SCALE HOUSE	FACILITY STRUCTURE
BLDG-2	3502774.79	5449192.12	OFFICE	FACILITY STRUCTURE
BLDG-3	3502297.35	5449502.64	RESOURCE RECOVERY BUILDING	FACILITY STRUCTURE
BLDG-4	3502134.69	5449856.22	FIRE PUMPHOUSE	FACILITY STRUCTURE
BLDG-5	3499588.03	5449655.27	MAINTENANCE SHOP	FACILITY STRUCTURE
BLDG-6	3501734.68	5449533.03	COMPRESSOR BUILDING	FACILITY STRUCTURE
BLDG-7	3501785.62	5449589.78	LFGTE BUILDING	FACILITY STRUCTURE
GMP-E	3502043.98	5450180.69	EAST BOUNDARY	SURFACE
GMP-N	3503217.74	5448490.17	NORTH BOUNDARY	SURFACE
GMP-S	3498130.85	5448971.15	SOUTH BOUNDARY	SURFACE
GMP-W	3501936.70	5447803.93	WEST BOUNDARY	SURFACE
GP-1	3503200.01	5449017.82	EAST OF UNLINED CELL	SUBSURFACE
GP-2	3502796.77	5449347.16	EAST OF UNLINED CELL	SUBSURFACE
GP-3	3502189.43	5449960.52	EAST OF UNLINED CELL	SUBSURFACE
GU-1	3501719.41	5448287.55	WEST BOUNDARY	SUBSURFACE
MW-19	3503192.51	5448359.99	EAST OF PHASE 5A	SUBSURFACE
MW-22	3503237.90	5448109.65	NORTH BOUNDARY	SUBSURFACE

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CEDAR RAPIDS LINN COUNTY SOLID WASTE AGENCY - SITE 2
METHANE MIGRATION MONITORING NETWORK

2023 ANNUAL WATER QUALITY REPORT

DATE
DECEMBER 2023

FIGURE
FIGURE 5

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LEGEND

- WASTE — PERMITTED EDGE OF WASTE
- CELL BOUNDARY
- PROP — PROPERTY LINE
- ISOCONCENTRATION CONTOUR COBALT BG & GWPS = 0.00339 mg/L
- ASSESSMENT MONITORING WELL
- BACKGROUND MONITORING WELL
- DETECTION MONITORING WELL
- CORRECTIVE ACTION WELL
- WELL - WATER LEVEL ONLY
- DELINEATION WELL
- GROUNDWATER UNDERDRAIN

400 0 400 800

SCALE IN FEET

NOTES

1. AERIAL PHOTOGRAPH OBTAINED BY AEROVIEW AND UPDATED APRIL 14, 2023.
2. THE CONDITIONS SHOWN AS EXISTING ON THIS DRAWING REPRESENT THE GENERAL CONDITIONS AS OF APRIL 2023.
3. BG = BACKGROUND LEVEL; DETERMINED BY INTERWELL UPPER PREDICTION LIMITS.
4. GWPS = GROUNDWATER PROTECTION STANDARD.
5. *WELL MW-502 IS NOT CURRENTLY IN THE MONITORING NETWORK AND IS BEING SAMPLED FOR BACKGROUND DATA PRIOR TO THE CONSTRUCTION OF PHASE 5B; THEREFORE, CONCENTRATIONS ARE NOT UTILIZED IN ISOCONCENTRATION MAPS.
6. NS = NOT SAMPLED

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CEDAR RAPIDS LINN COUNTY SOLID WASTE AGENCY - SITE 2
COBALT ISOCONCENTRATION - APRIL 2023

2023 ANNUAL WATER QUALITY REPORT

DATE JUNE 2023

FIGURE 6

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NOTES

1. AERIAL PHOTOGRAPH OBTAINED BY AEROVIEW AND UPDATED APRIL 14, 2023.
2. THE CONDITIONS SHOWN AS EXISTING ON THIS DRAWING REPRESENT THE GENERAL CONDITIONS AS OF OCTOBER 2023.
3. BG = BACKGROUND LEVEL; DETERMINED BY INTERWELL UPPER PREDICTION LIMITS.
4. GWPS = GROUNDWATER PROTECTION STANDARD.
5. *WELL MW-502 IS NOT CURRENTLY IN THE MONITORING NETWORK AND IS BEING SAMPLED FOR BACKGROUND DATA PRIOR TO THE CONSTRUCTION OF PHASE 5B; THEREFORE, CONCENTRATIONS ARE NOT UTILIZED IN ISOCONCENTRATION MAPS.
6. NS = NOT SAMPLED

LEGEND

WASTE — PERMITTED EDGE OF WASTE

CELL BOUNDARY

PROP — PROPERTY LINE

ISOCONCENTRATION CONTOUR COBALT BG & GWPS = 0.00288 mg/L

ASSESSMENT MONITORING WELL

BACKGROUND MONITORING WELL

DETECTION MONITORING WELL

CORRECTIVE ACTION WELL

WELL - WATER LEVEL ONLY

DELINEATION WELL

GROUNDWATER UNDERDRAIN

400 0 400 800

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CEDAR RAPIDS LINN COUNTY SOLID WASTE AGENCY - SITE 2
COBALT ISOCONCENTRATION - OCT. 2023

2023 ANNUAL WATER QUALITY REPORT

DATE
DECEMBER 2023

FIGURE
7

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NOTES

1. AERIAL PHOTOGRAPH OBTAINED BY AEROVIEW AND UPDATED APRIL 14, 2023.
2. THE CONDITIONS SHOWN AS EXISTING ON THIS DRAWING REPRESENT THE GENERAL CONDITIONS AS OF APRIL 2023.
3. BG = BACKGROUND LEVEL; DETERMINED BY LABORATORY REPORTING LIMIT.
4. GWPS = GROUNDWATER PROTECTION STANDARD.
5. *WELL MW-502 IS NOT CURRENTLY IN THE MONITORING NETWORK AND IS BEING SAMPLED FOR BACKGROUND DATA PRIOR TO CONSTRUCTION OF PHASE 5B; THEREFORE, CONCENTRATIONS ARE NOT UTILIZED IN ISOCONCENTRATION MAPS.
6. NS = NOT SAMPLED

LEGEND

- WASTE — PERMITTED EDGE OF WASTE
- CELL BOUNDARY
- PROP — PROPERTY LINE
- ISOCONCENTRATION CONTOUR BENZENE BG LEVEL = 0.5 μg/L
- ISCOCONCENTRATION CONTOUR BENZENE GWPS = 5.00 μg/L
- ASSESSMENT MONITORING WELL
- BACKGROUND MONITORING WELL
- DETECTION MONITORING WELL
- CORRECTIVE ACTION WELL
- WELL - WATER LEVEL ONLY
- DELINEATION WELL
- GROUNDWATER UNDERDRAIN

400 0 400 800

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CEDAR RAPIDS LINN COUNTY SOLID WASTE AGENCY - SITE 2
BENZENE ISOCONCENTRATION - APRIL 2023

2023 ANNUAL WATER QUALITY REPORT

DATE JUNE 2023

FIGURE 8

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NOTES

1. AERIAL PHOTOGRAPH OBTAINED BY AEROVIEW AND UPDATED APRIL 14, 2023.
2. THE CONDITIONS SHOWN AS EXISTING ON THIS DRAWING REPRESENT THE GENERAL CONDITIONS AS OF OCTOBER 2023.
3. BG = BACKGROUND LEVEL; DETERMINED BY LABORATORY REPORTING LIMIT.
4. GWPS = GROUNDWATER PROTECTION STANDARD.
5. *WELL MW-502 IS NOT CURRENTLY IN THE MONITORING NETWORK AND IS BEING SAMPLED FOR BACKGROUND DATA PRIOR TO CONSTRUCTION OF PHASE 5B; THEREFORE, CONCENTRATIONS ARE NOT UTILIZED IN ISOCONCENTRATION MAPS.
6. NS = NOT SAMPLED

LEGEND

- WASTE — PERMITTED EDGE OF WASTE
- CELL BOUNDARY
- PROP — PROPERTY LINE
- ISOCONCENTRATION CONTOUR BENZENE BG LEVEL = 0.5 µg/L
- ISCOCONENTRATION CONTOUR BENZENE GWPS = 5.00 µg/L
- ASSESSMENT MONITORING WELL
- BACKGROUND MONITORING WELL
- DETECTION MONITORING WELL
- CORRECTIVE ACTION WELL
- WELL - WATER LEVEL ONLY
- DELINEATION WELL
- GROUNDWATER UNDERDRAIN

400 0 400 800

SCALE IN FEET

HDR

SolidWaste Agency

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CEDAR RAPIDS LINN COUNTY SOLID WASTE AGENCY - SITE 2
BENZENE ISOCONCENTRATION - OCT. 2023

2023 ANNUAL WATER QUALITY REPORT

DATE
DECEMBER 2023

FIGURE
9

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Attachment 1

Spring 2023 Statistical Report

(See Doc # 107087)

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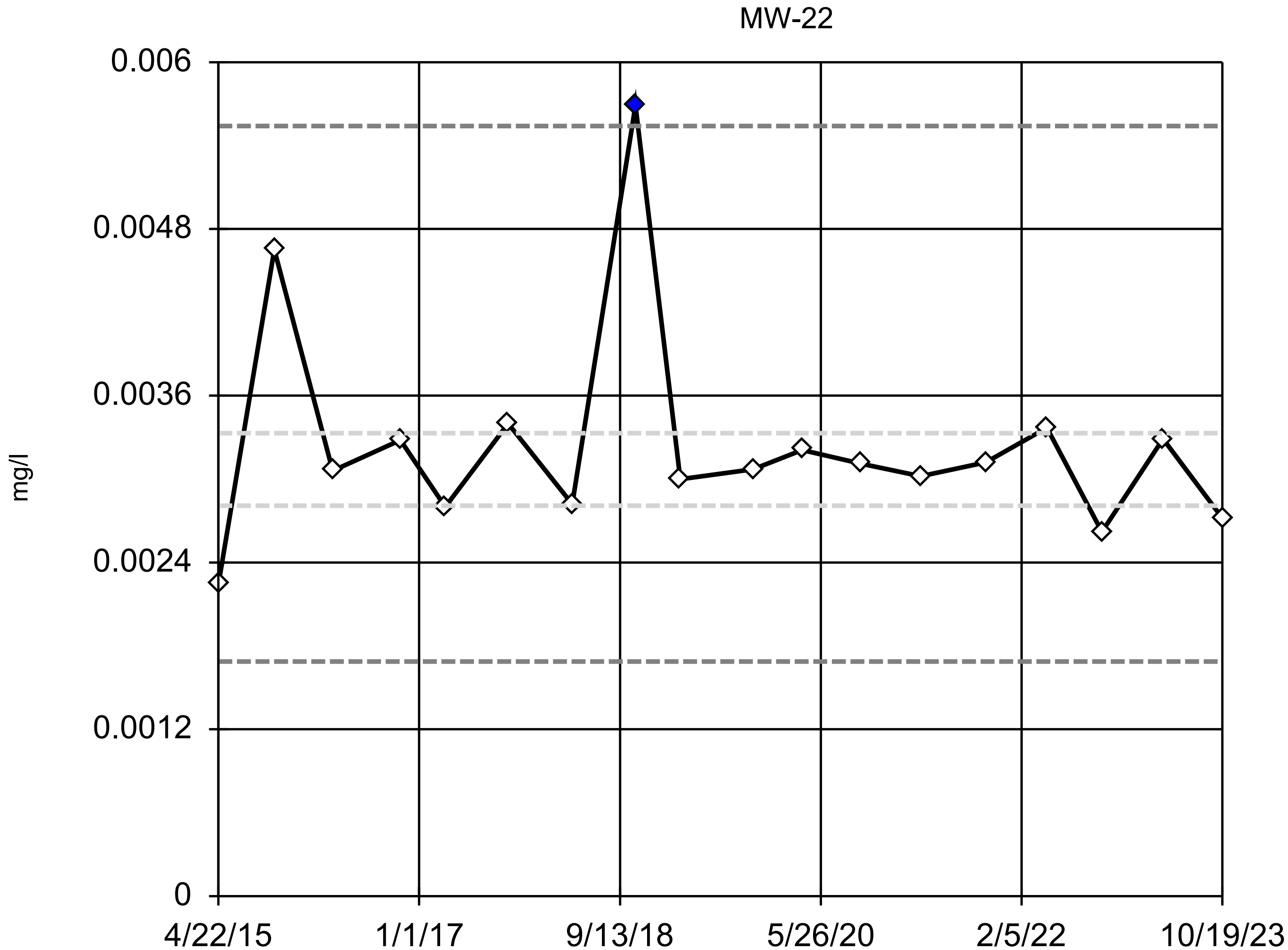
Attachment 2

Fall 2023 Statistical Analysis

Tukey's Outlier Screening



n = 18

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

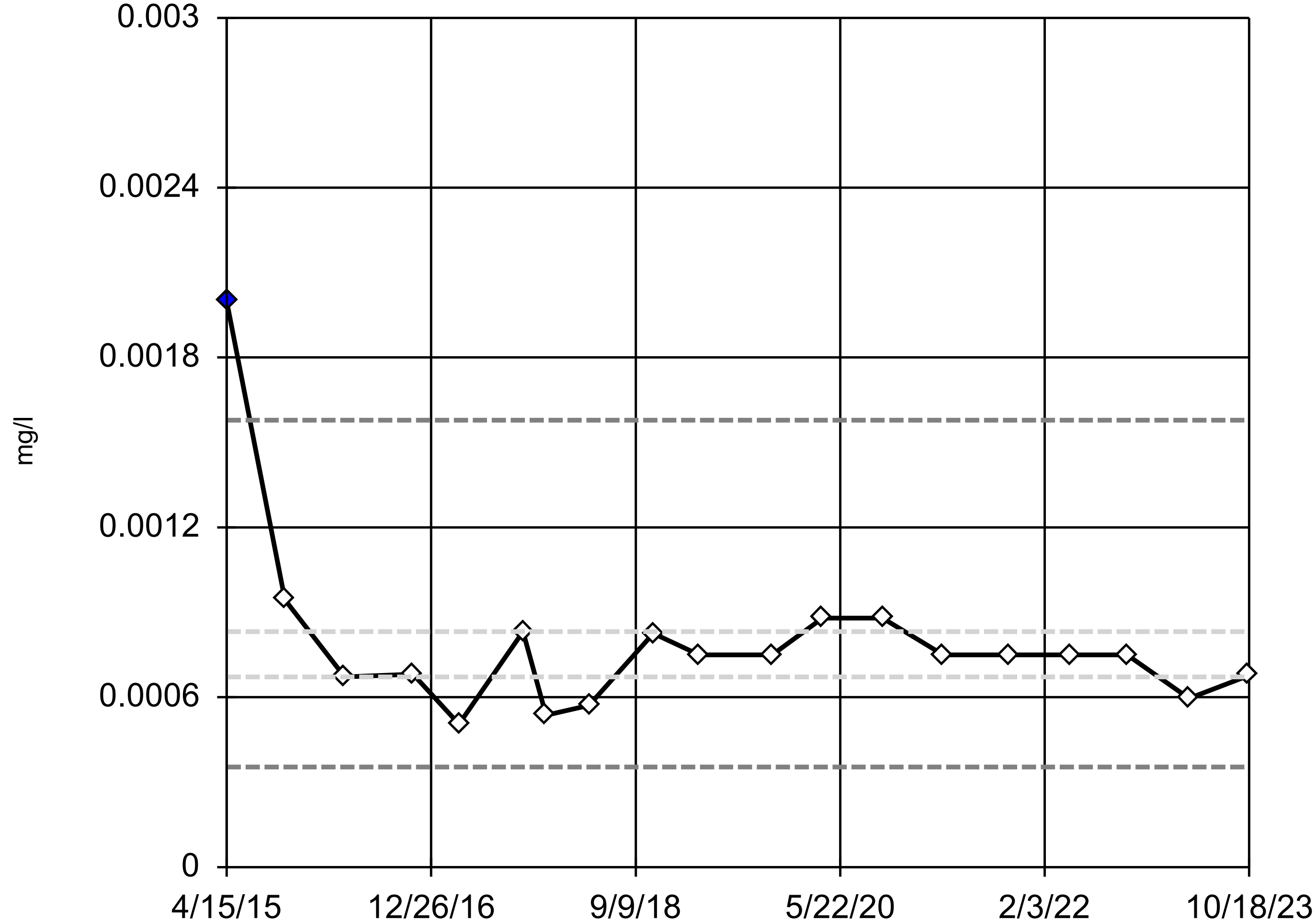
High cutoff = 0.00554, low cutoff = 0.001689, based on IQR multiplier of 3.

Constituent: Arsenic   Analysis Run 11/15/2023 4:00 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Tukey's Outlier Screening

MW-24



n = 19

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.001579, low cutoff = 0.0003541, based on IQR multiplier of 3.

Constituent: Arsenic   Analysis Run 11/15/2023 4:00 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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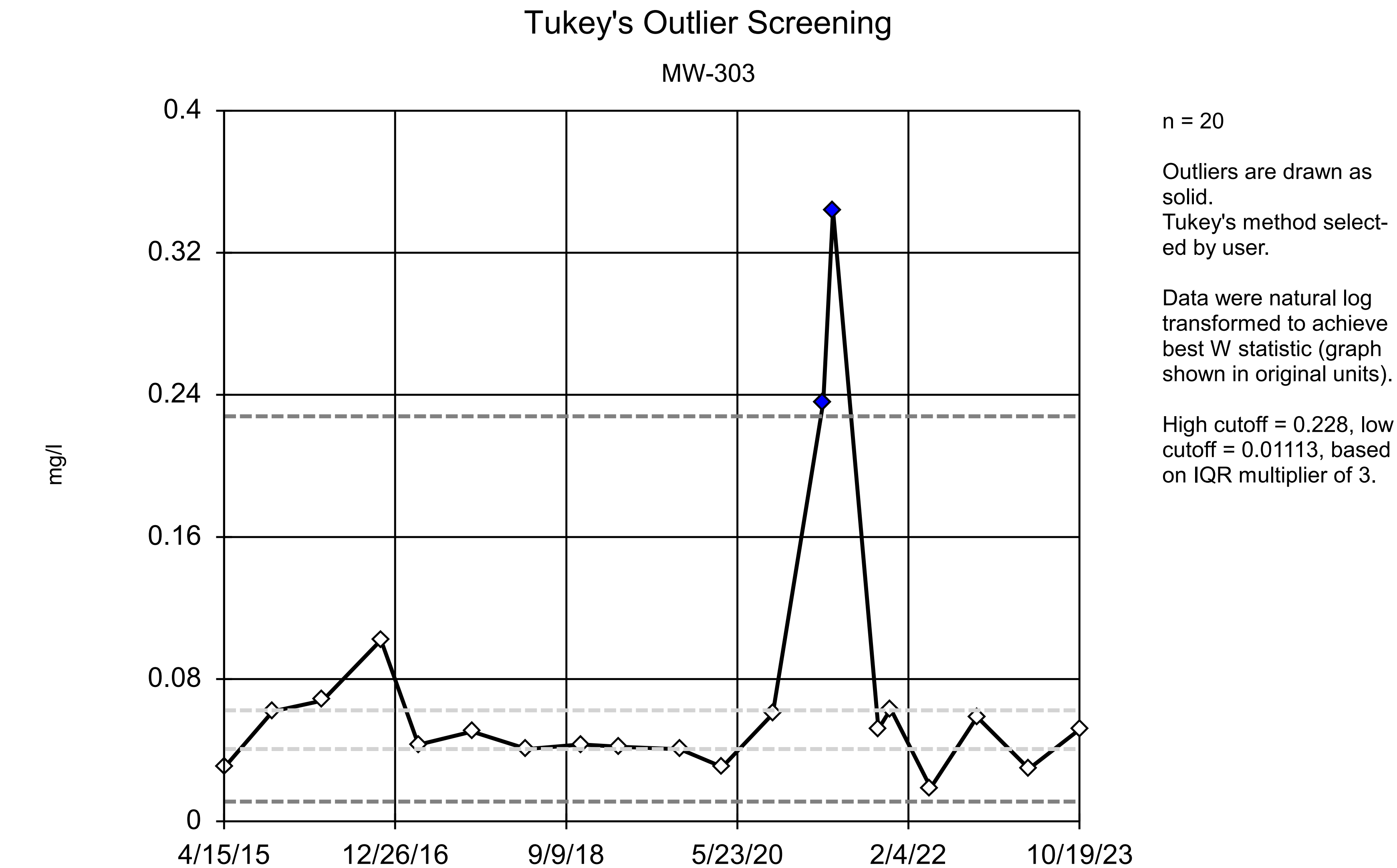
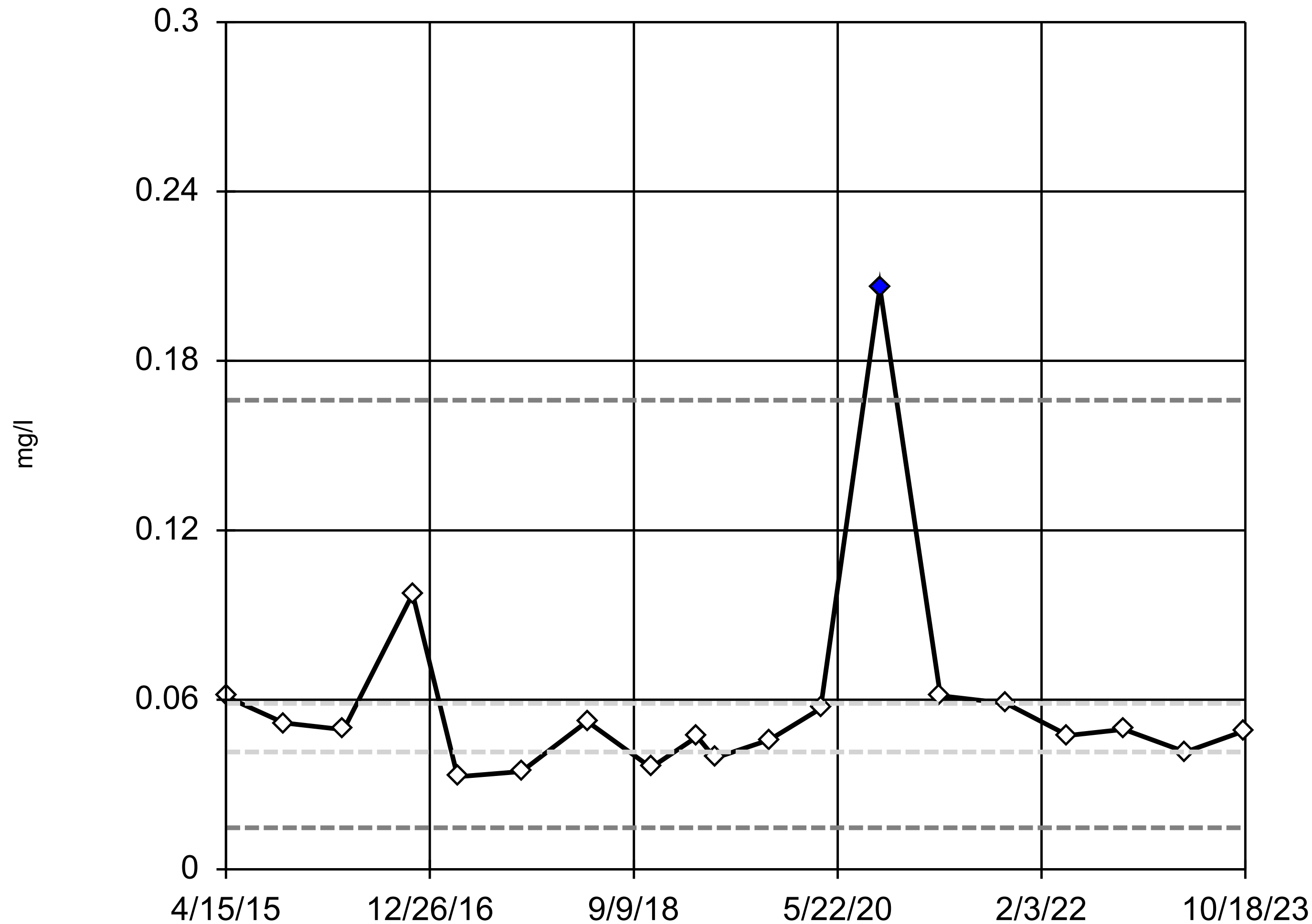


Constituent: Barium Analysis Run 11/15/2023 4:00 PM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Tukey's Outlier Screening

MW-304R



n = 19

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.1661, low cutoff = 0.01466, based on IQR multiplier of 3.

Constituent: Barium   Analysis Run 11/15/2023 4:00 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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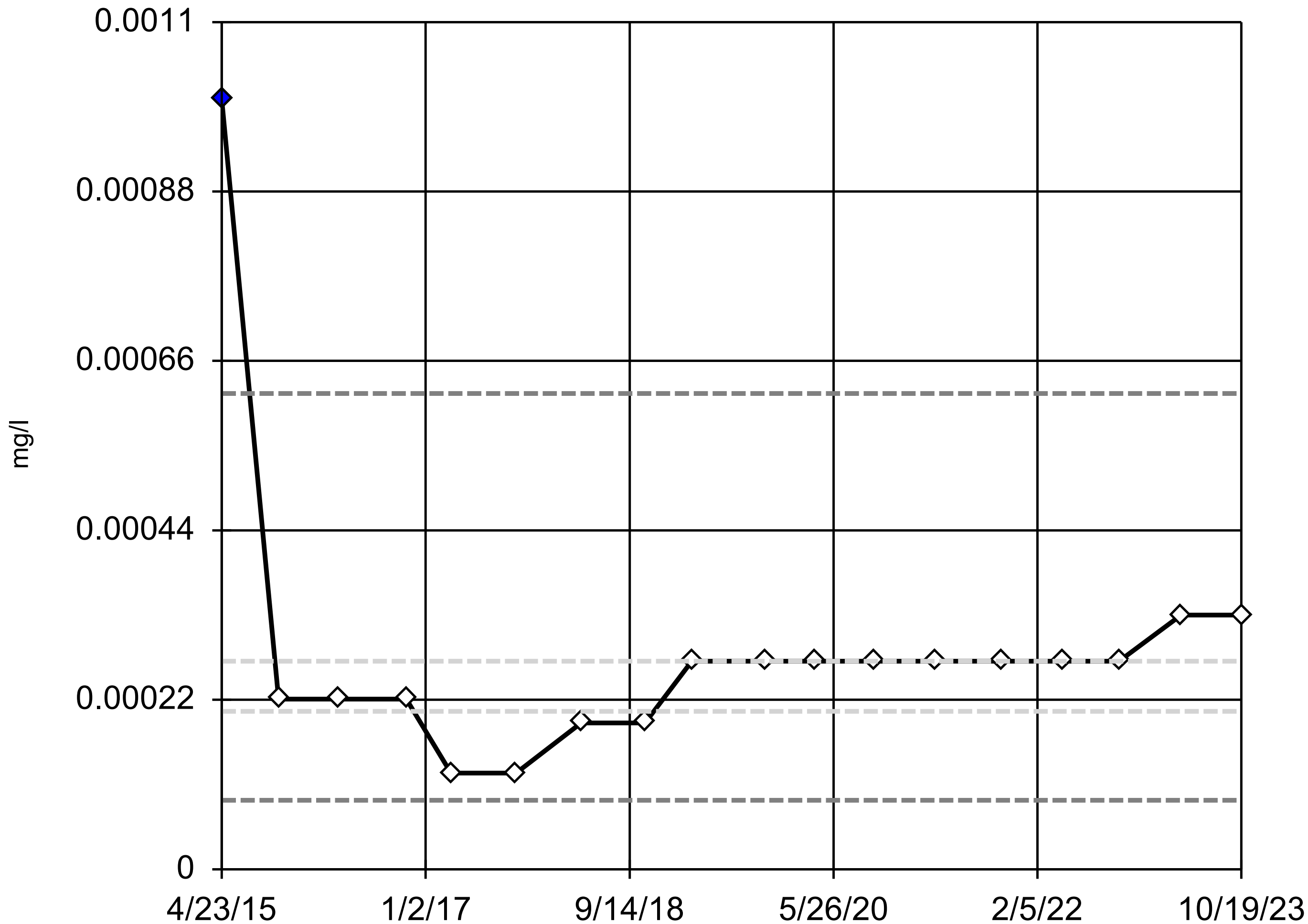
Tukey's Outlier Screening

MW-301



n = 18

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.0006176, low cutoff = 0.00008958, based on IQR multiplier of 3.

Constituent: Beryllium   Analysis Run 11/15/2023 4:00 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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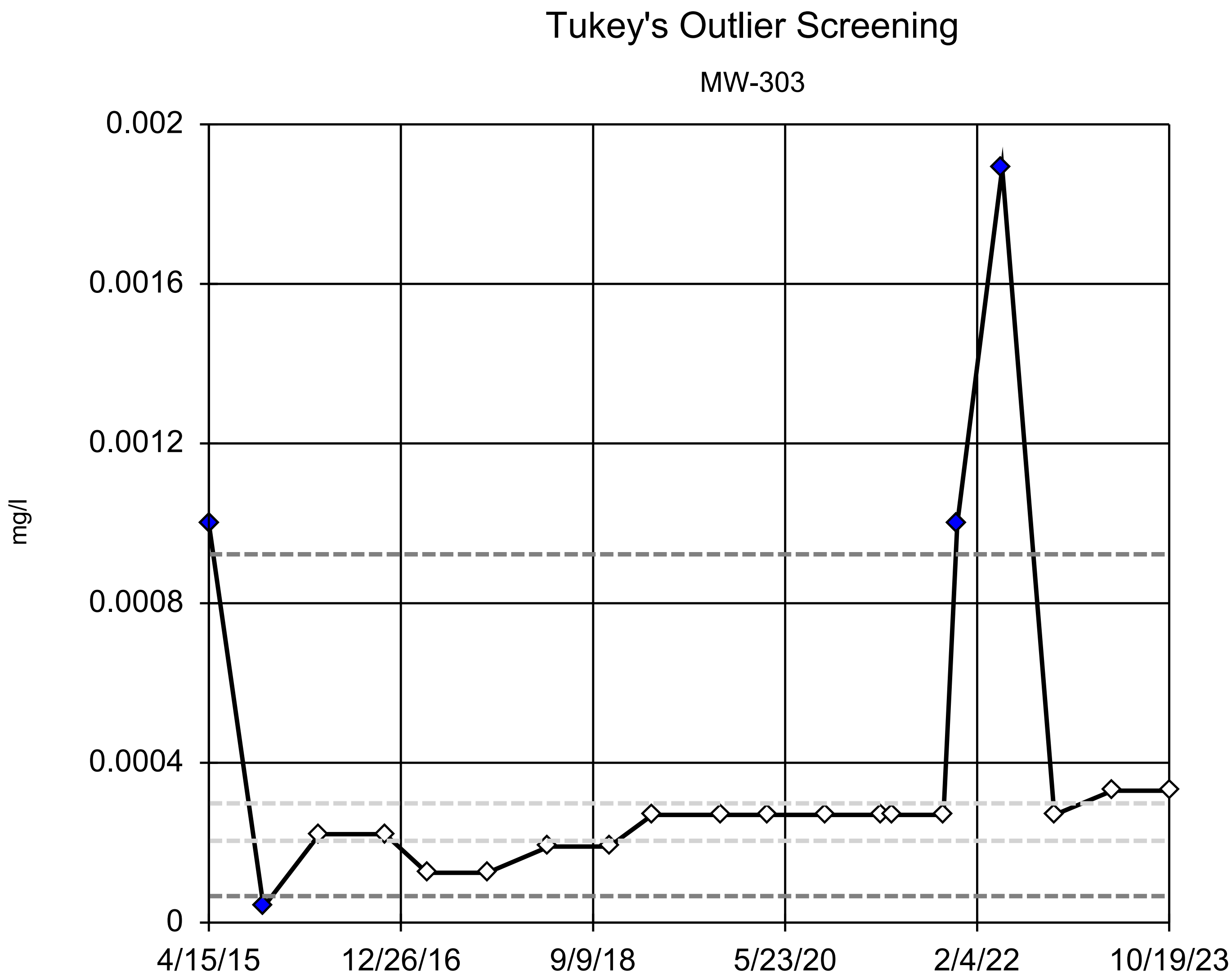

n = 20

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.0009226, low cutoff = 0.00006629, based on IQR multiplier of 3.

Constituent: Beryllium   Analysis Run 11/15/2023 4:00 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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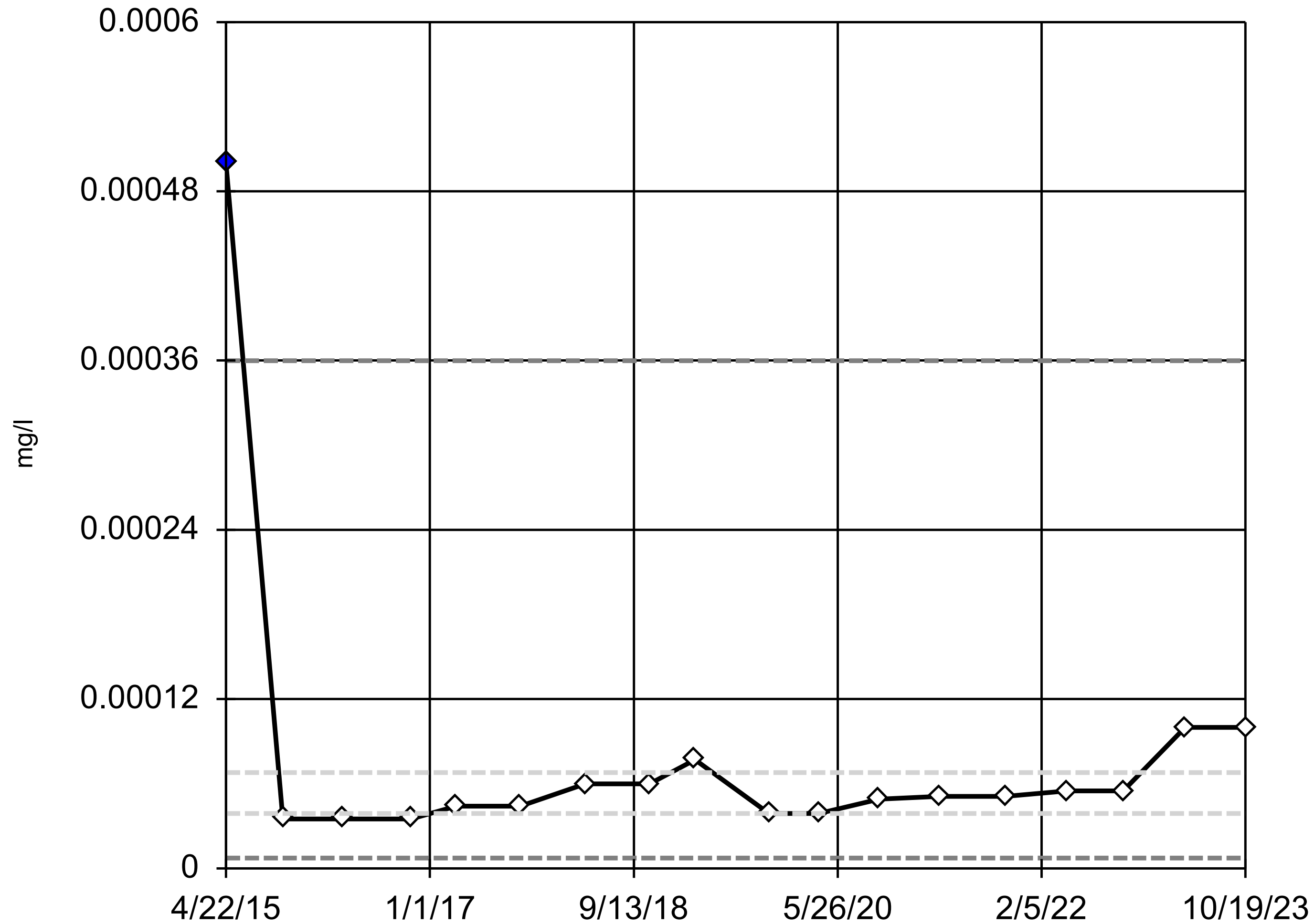
Tukey's Outlier Screening

MW-22



n = 18

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.0003598, low cutoff = 0.000007367, based on IQR multiplier of 3.

Constituent: Cadmium   Analysis Run 11/15/2023 4:01 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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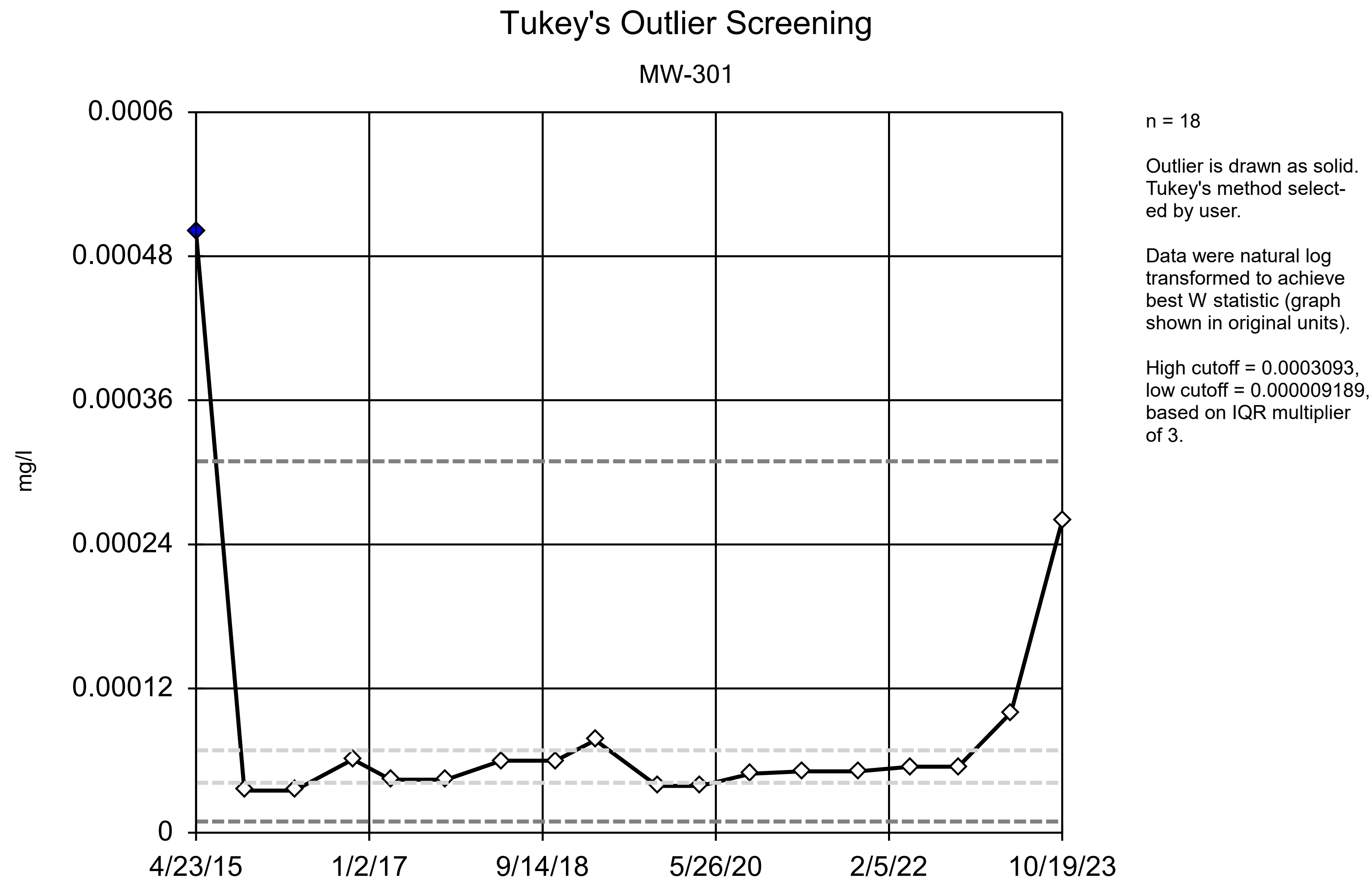

Constituent: Cadmium Analysis Run 11/15/2023 4:01 PM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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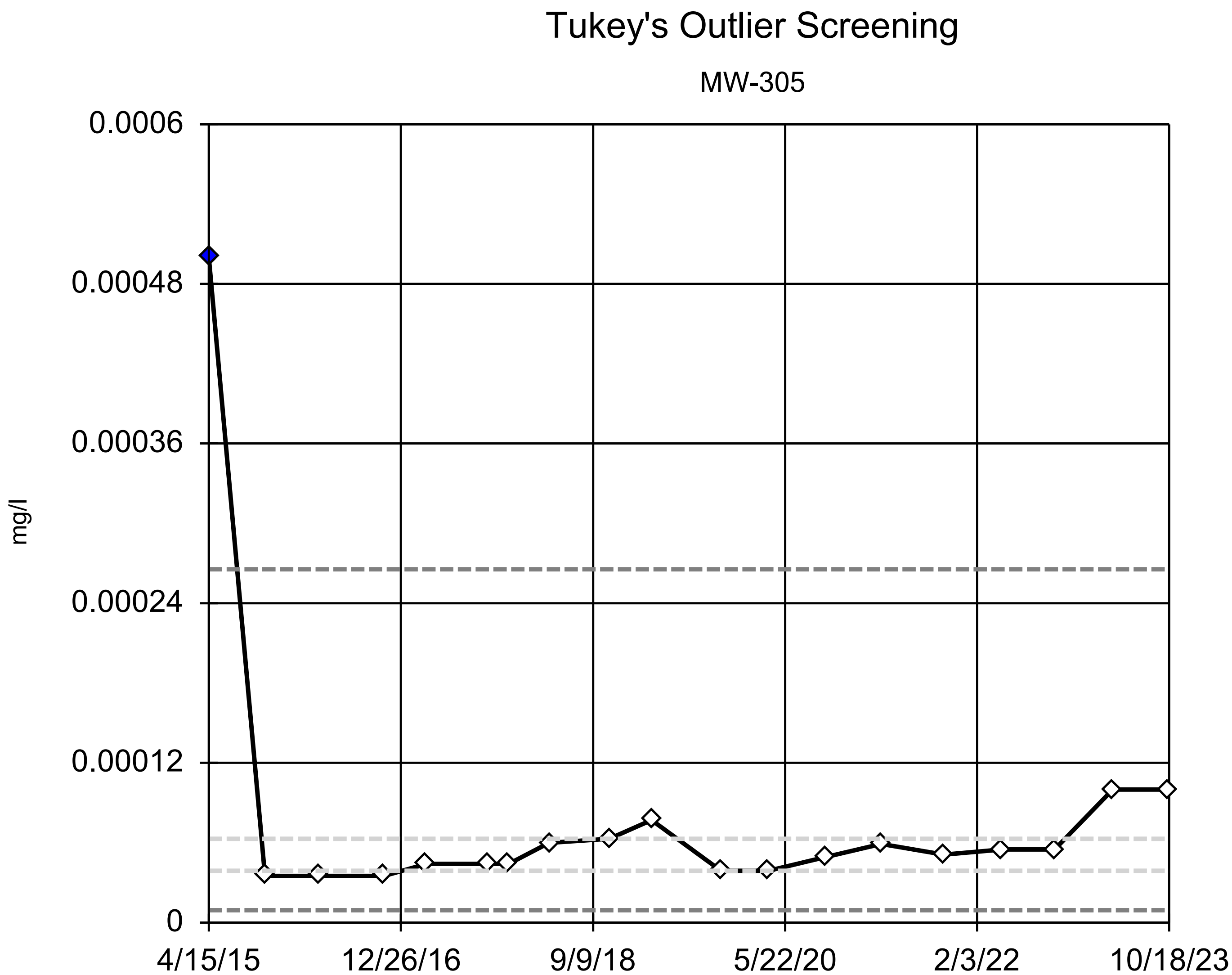

n = 19

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.0002656, low cutoff = 0.000009252, based on IQR multiplier of 3.

Constituent: Cadmium   Analysis Run 11/15/2023 4:01 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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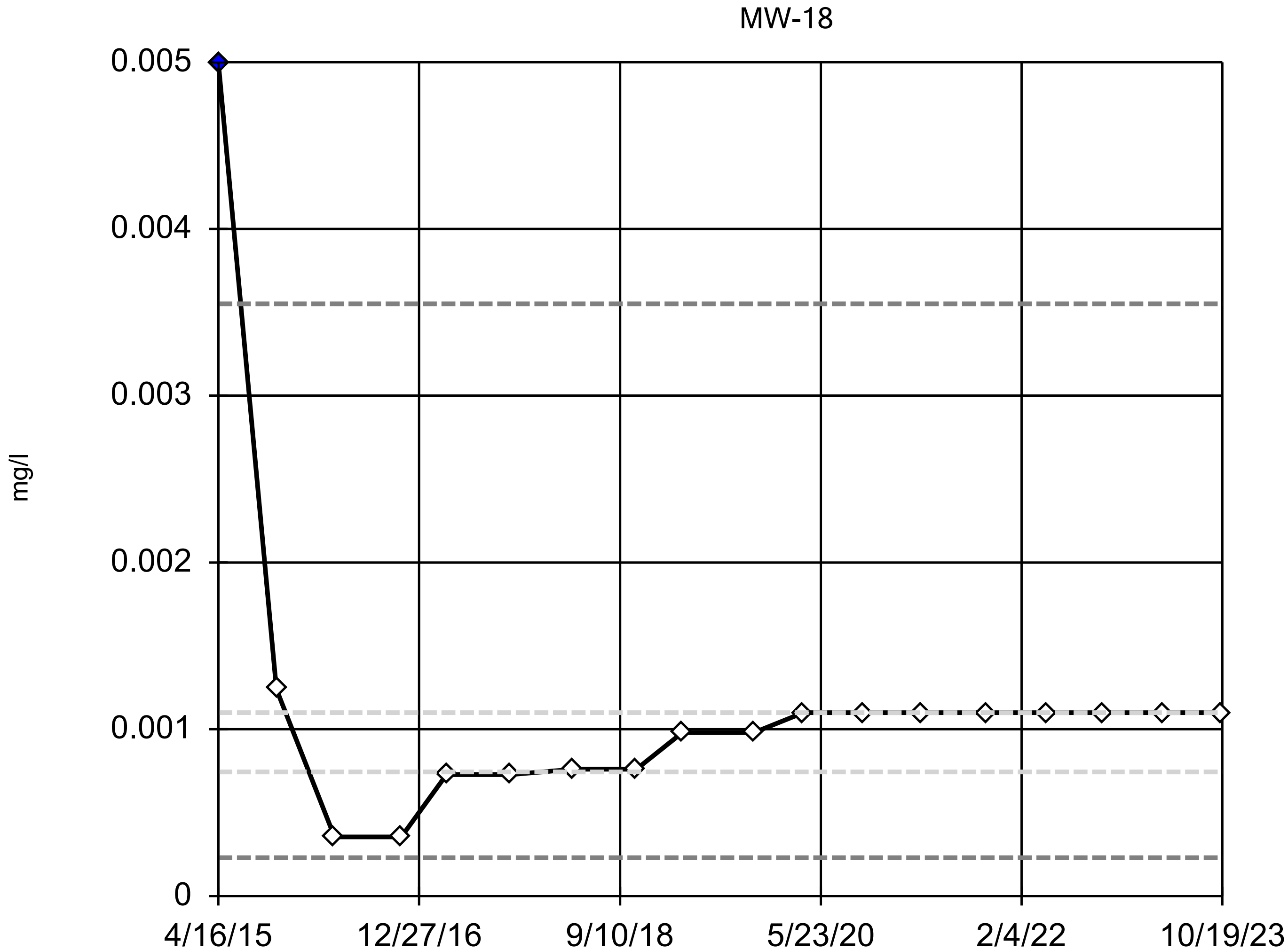
Tukey's Outlier Screening



n = 18

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.00355, low cutoff = 0.0002306, based on IQR multiplier of 3.

Constituent: Chromium   Analysis Run 11/15/2023 4:01 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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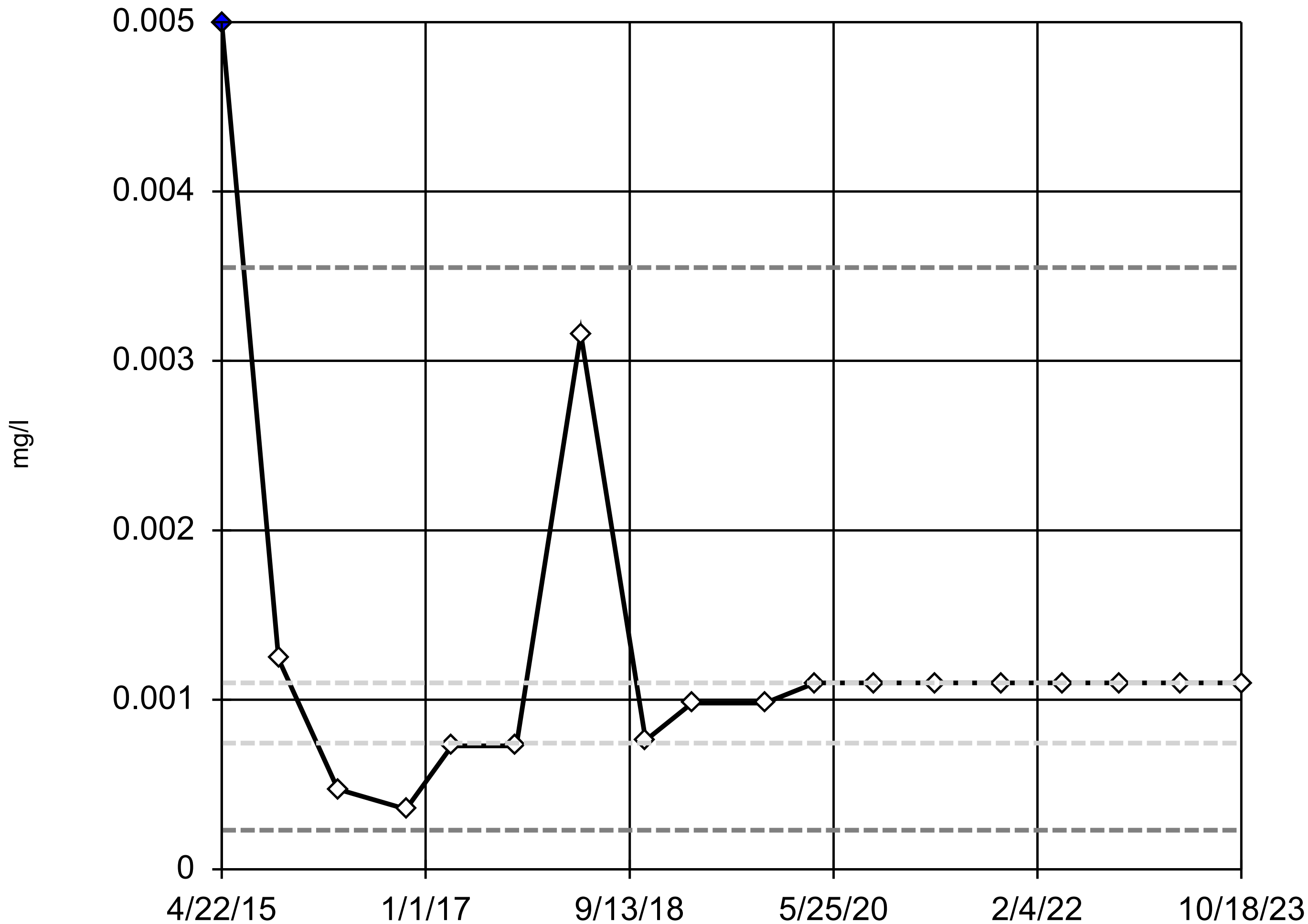
Tukey's Outlier Screening

MW-19



n = 18

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.00355, low cutoff = 0.0002306, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 11/15/2023 4:01 PM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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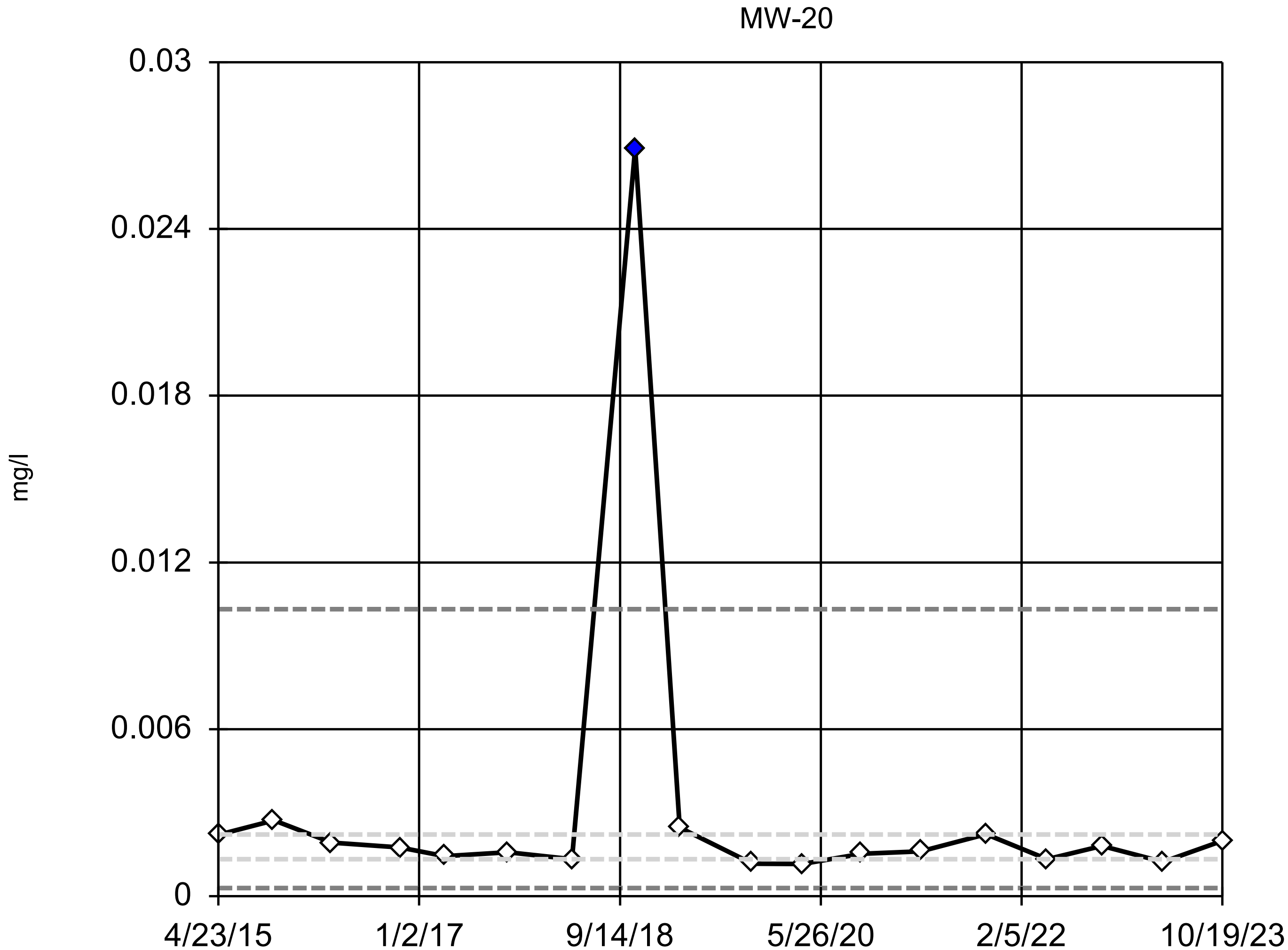
Tukey's Outlier Screening



n = 18

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01032, low cutoff = 0.000286, based on IQR multiplier of 3.

Constituent: Chromium   Analysis Run 11/15/2023 4:01 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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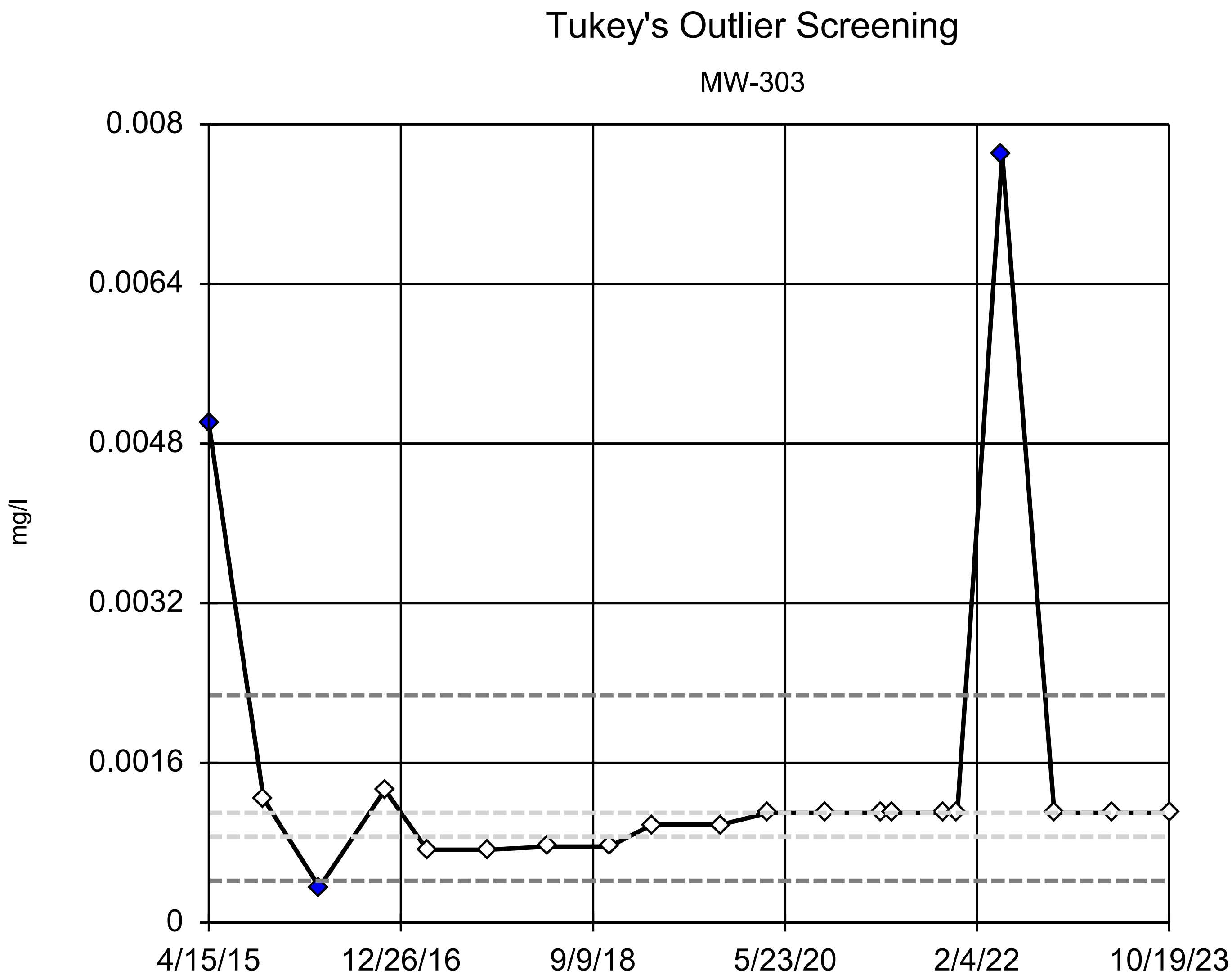

n = 20

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.002278, low cutoff = 0.0004168, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 11/15/2023 4:01 PM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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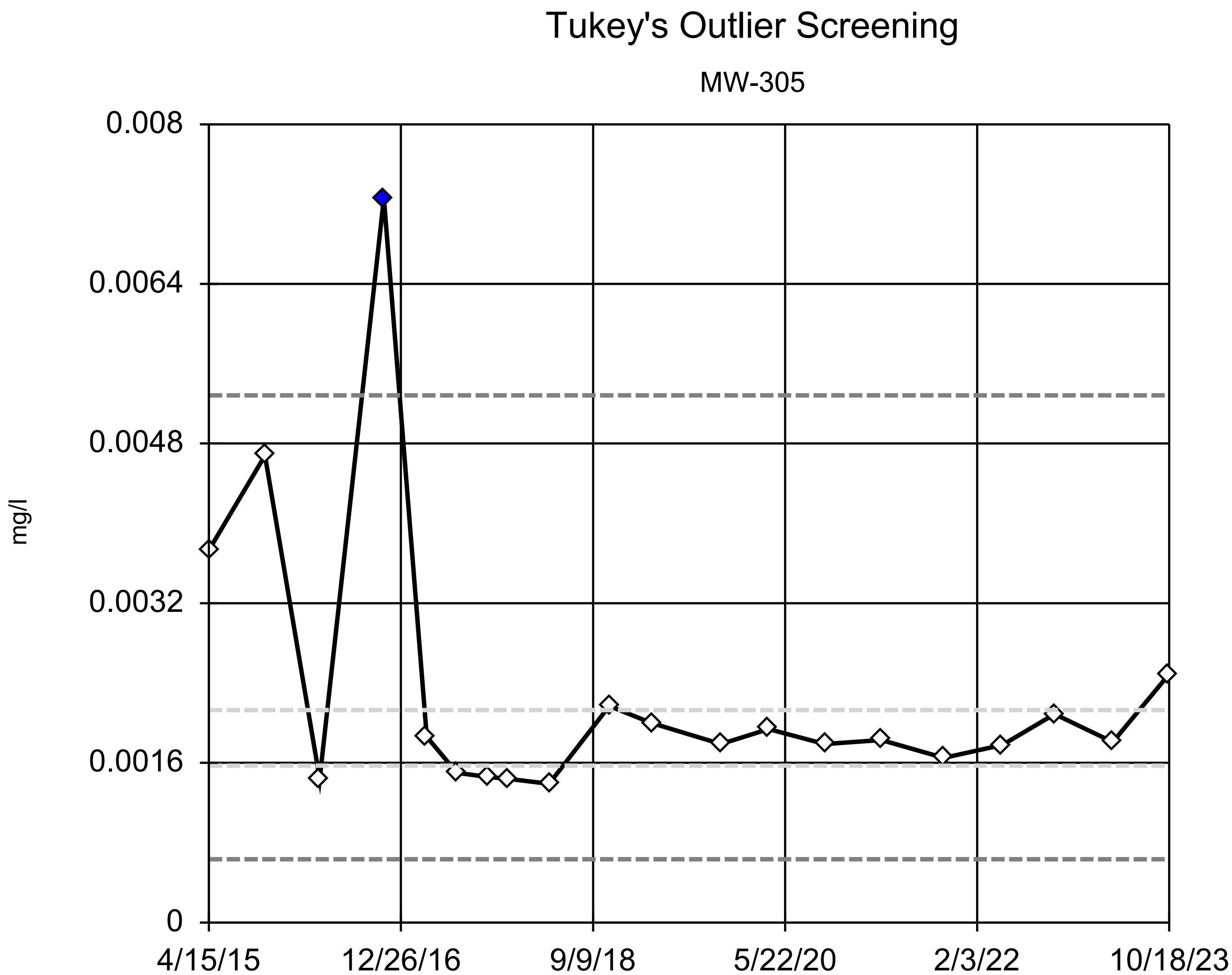


n = 20

Outlier is drawn as solid. Tukey's method selected by user.

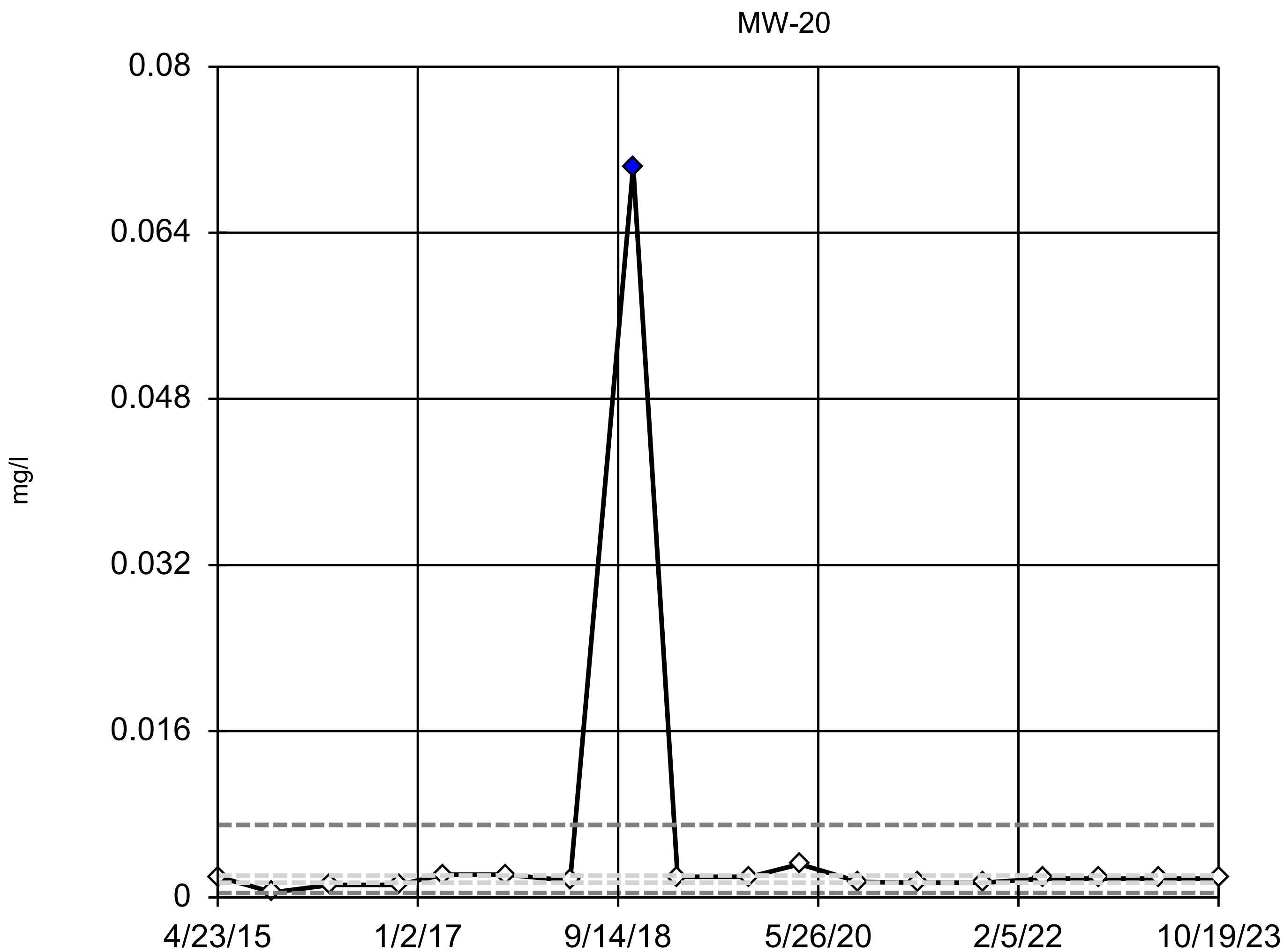
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.005283, low cutoff = 0.0006342, based on IQR multiplier of 3.

Constituent: Cobalt   Analysis Run 11/15/2023 4:01 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Tukey's Outlier Screening



n = 18

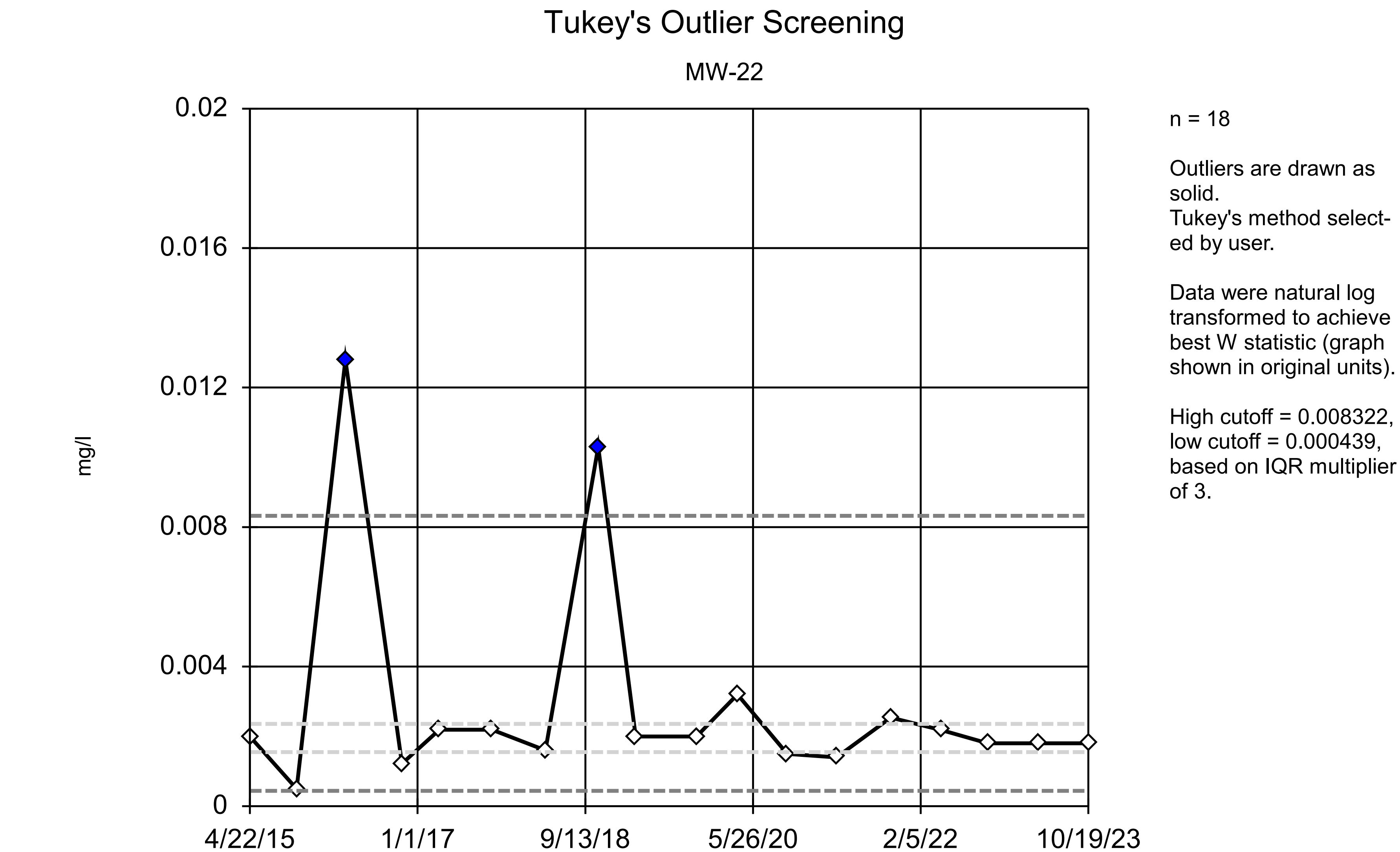
Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.006991, low cutoff = 0.0004191, based on IQR multiplier of 3.

Constituent: Copper   Analysis Run 11/15/2023 4:01 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database



Constituent: Copper   Analysis Run 11/15/2023 4:01 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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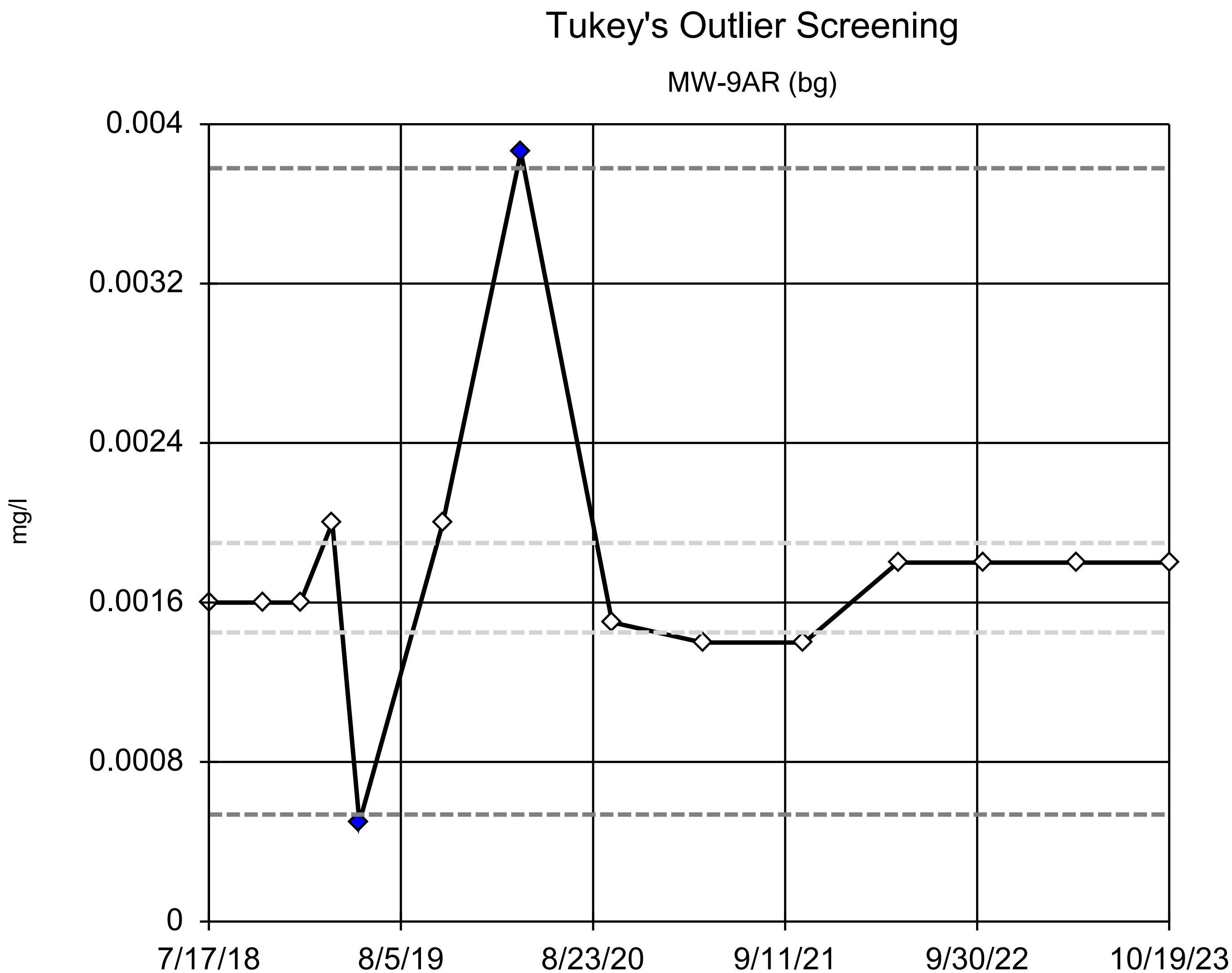

n = 14

Outliers are drawn as solid.
Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.003779, low cutoff = 0.0005359, based on IQR multiplier of 3.

Constituent: Copper   Analysis Run 11/15/2023 4:01 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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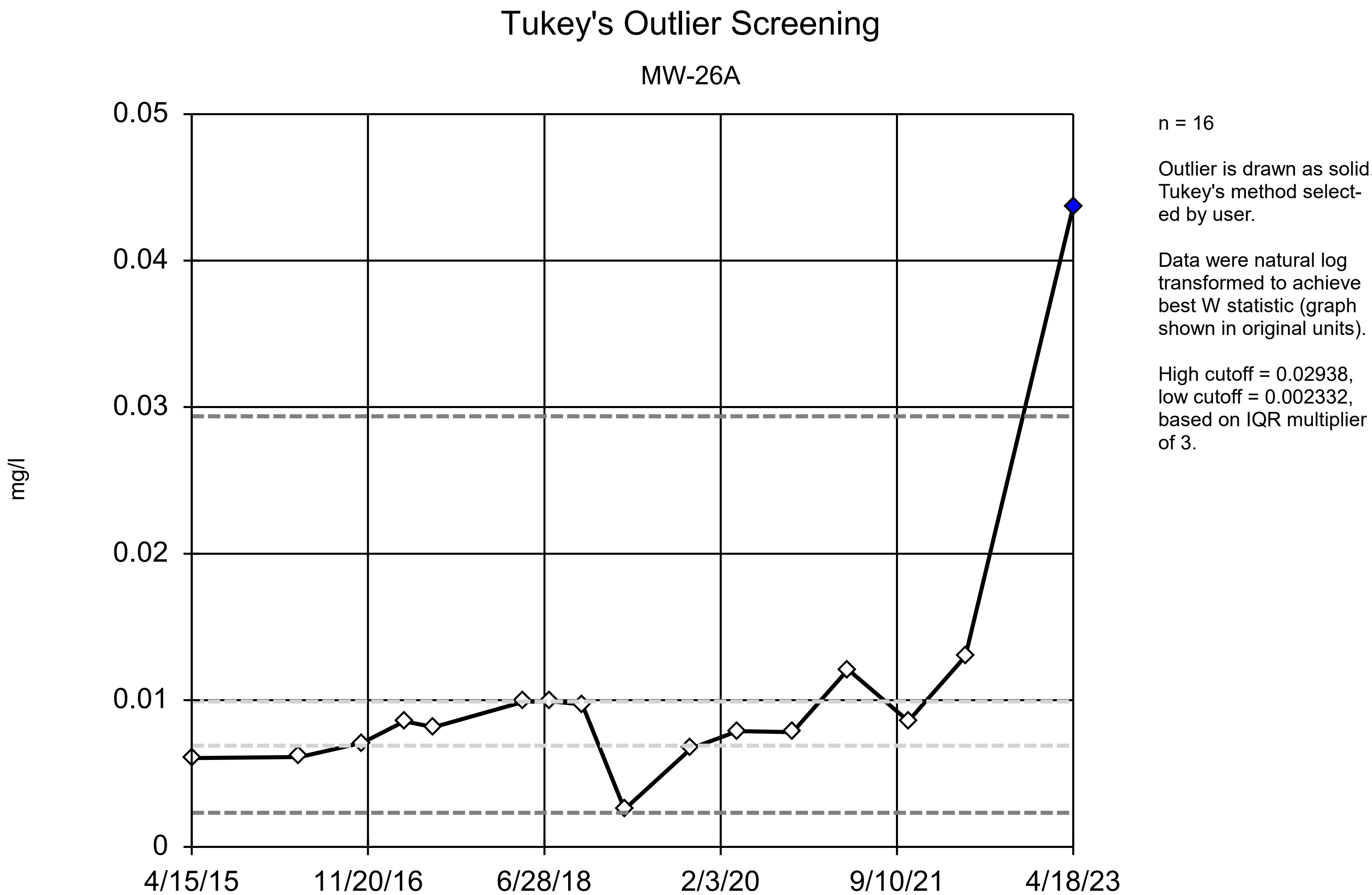

Constituent: Nickel Analysis Run 11/15/2023 4:02 PM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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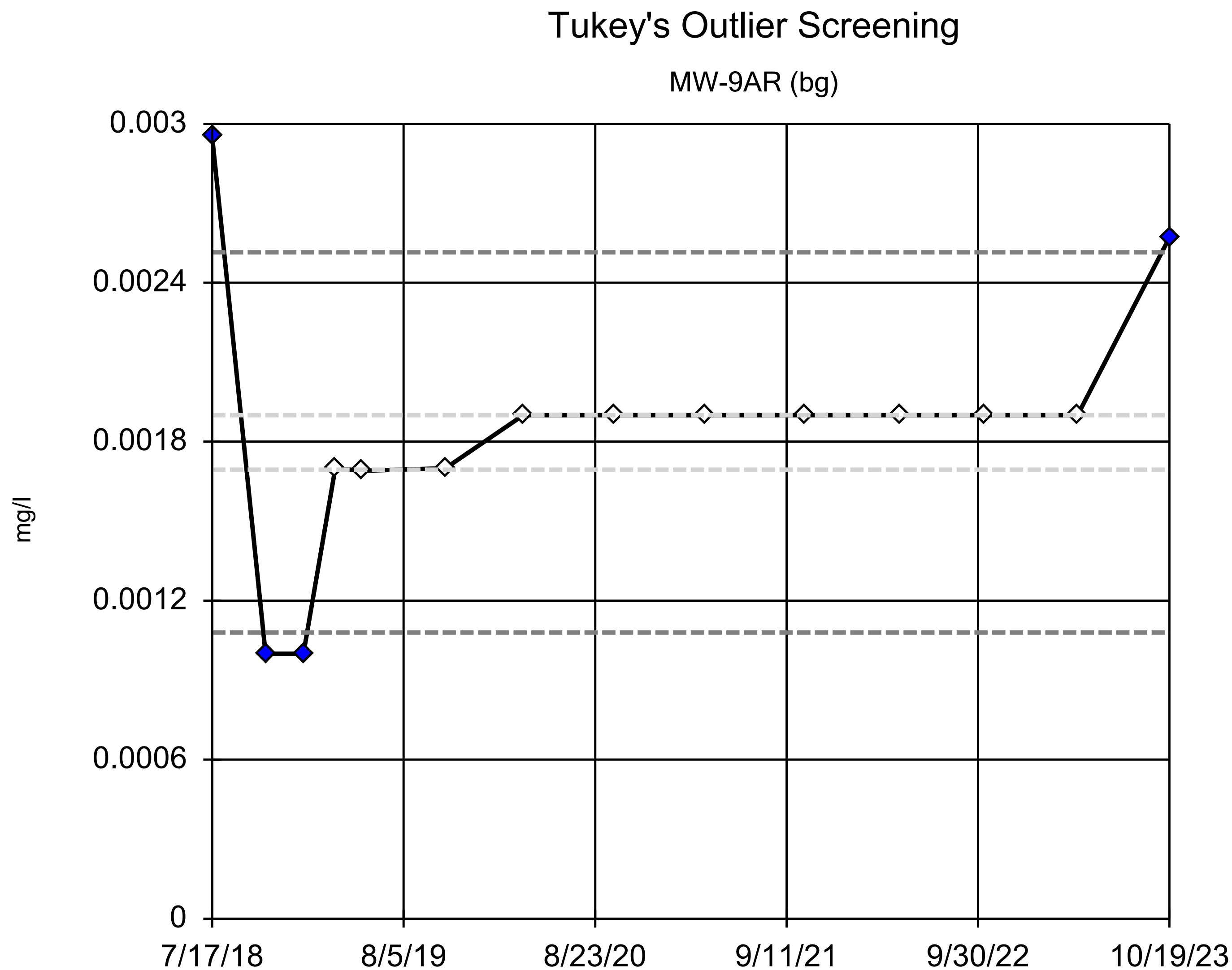


n = 14

Outliers are drawn as solid.
Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

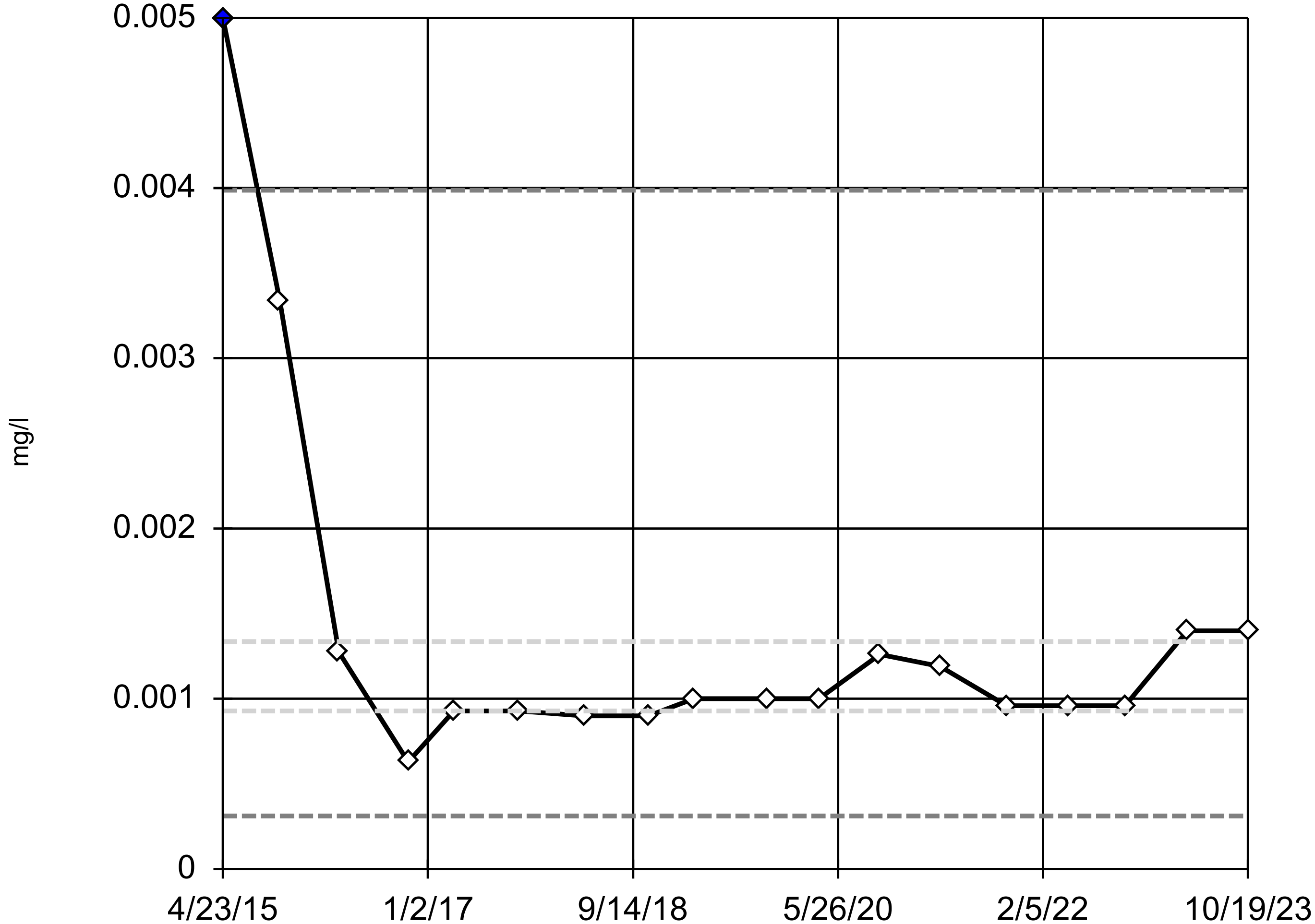
High cutoff = 0.002515, low cutoff = 0.00108, based on IQR multiplier of 3.

Constituent: Nickel   Analysis Run 11/15/2023 4:02 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Tukey's Outlier Screening

MW-20



n = 18

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.003987, low cutoff = 0.000311, based on IQR multiplier of 3.

Constituent: Selenium   Analysis Run 11/15/2023 4:02 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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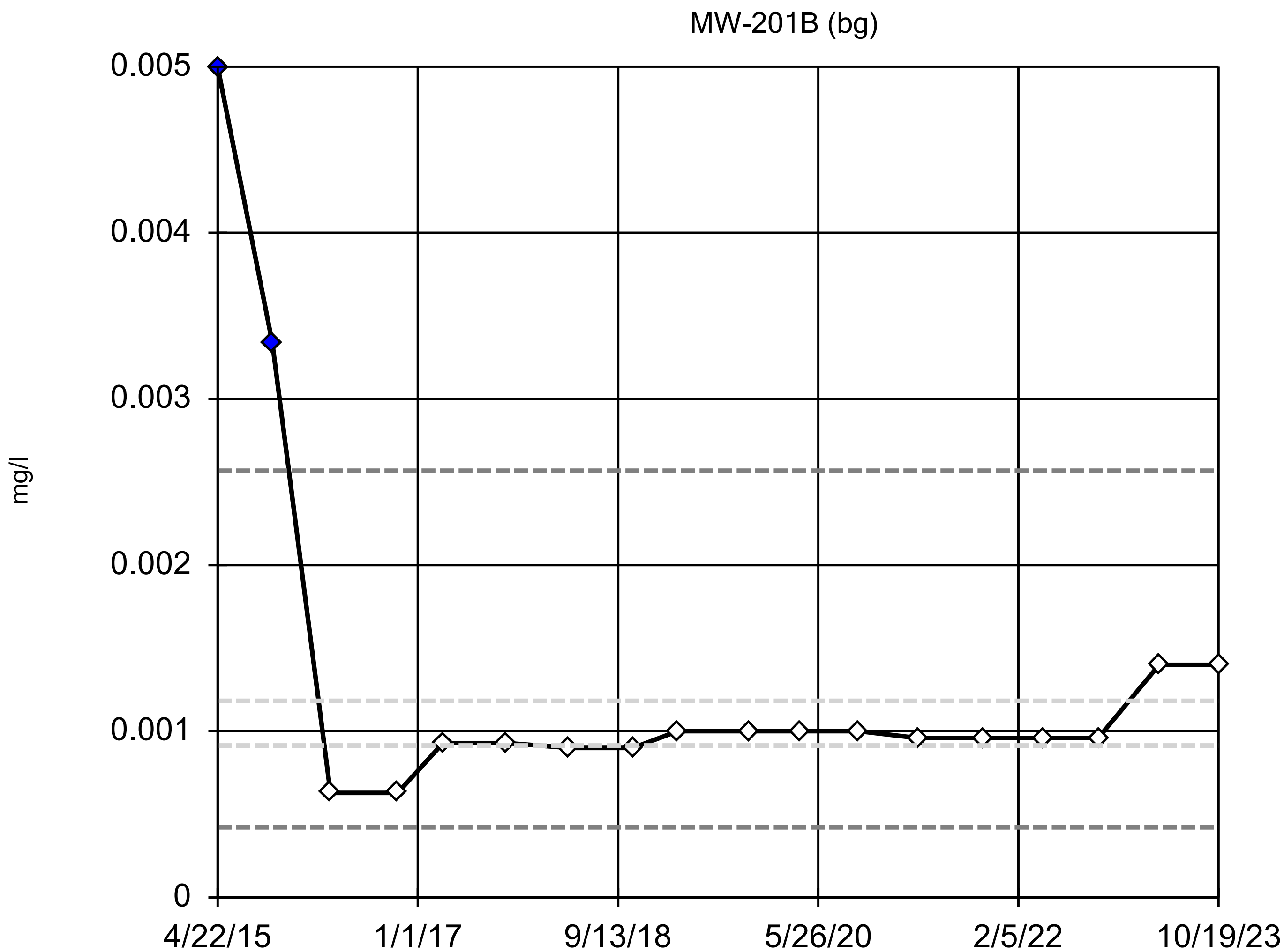
Tukey's Outlier Screening



n = 18

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.002568, low cutoff = 0.0004211, based on IQR multiplier of 3.

Constituent: Selenium   Analysis Run 11/15/2023 4:02 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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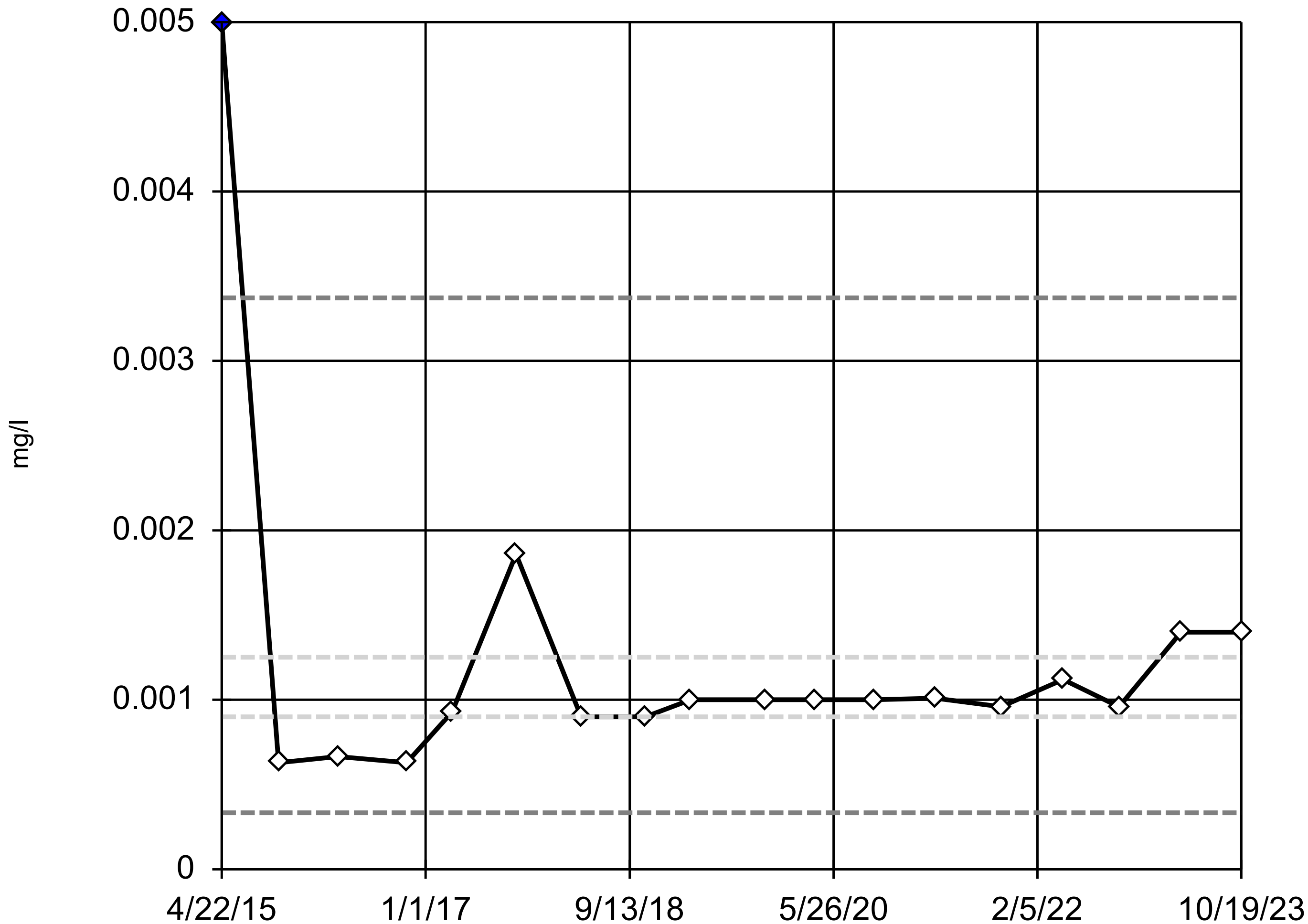
Tukey's Outlier Screening

MW-22



n = 18

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.003373, low cutoff = 0.0003342, based on IQR multiplier of 3.

Constituent: Selenium   Analysis Run 11/15/2023 4:02 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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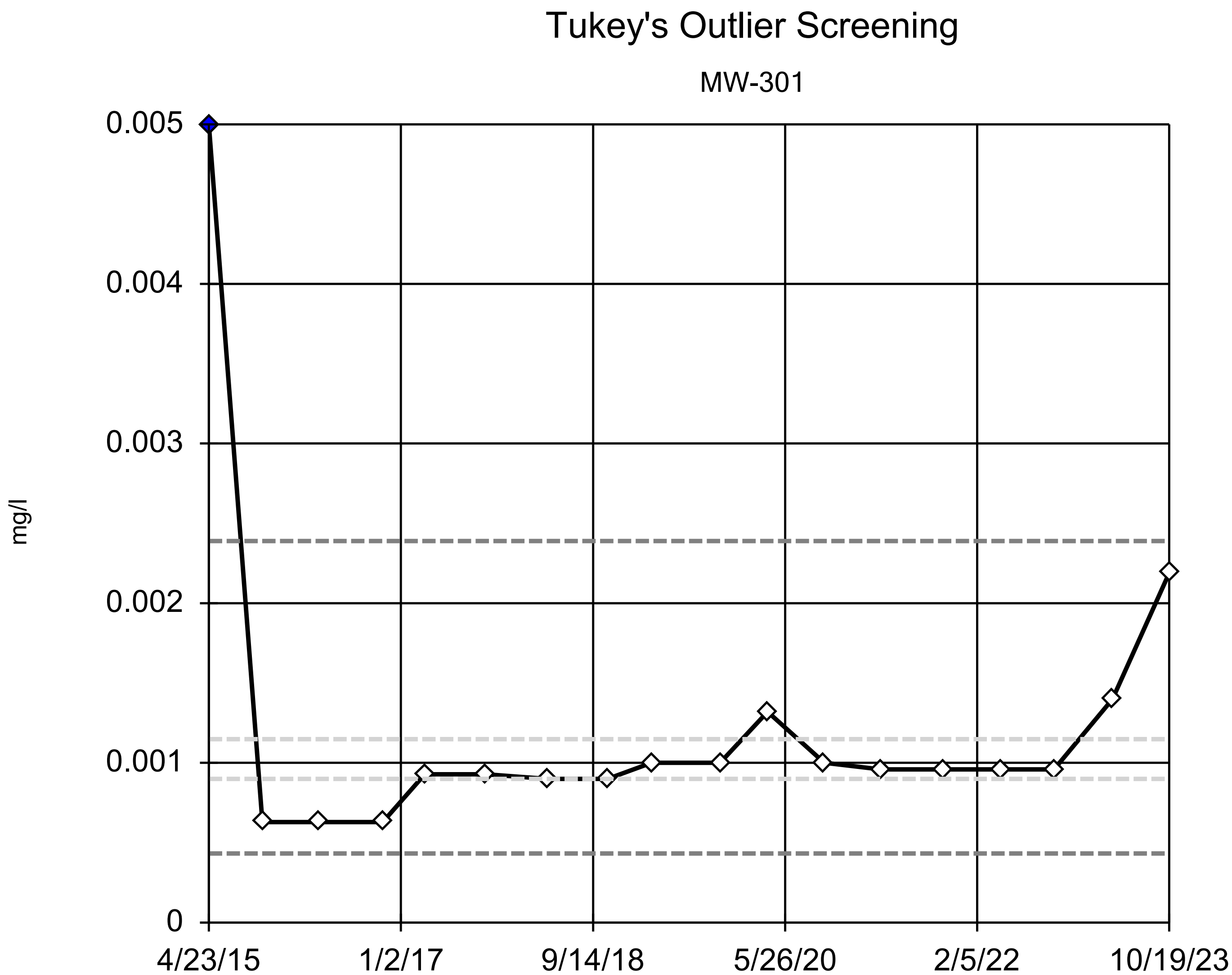

n = 18

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.00239, low cutoff = 0.0004326, based on IQR multiplier of 3.

Constituent: Selenium   Analysis Run 11/15/2023 4:02 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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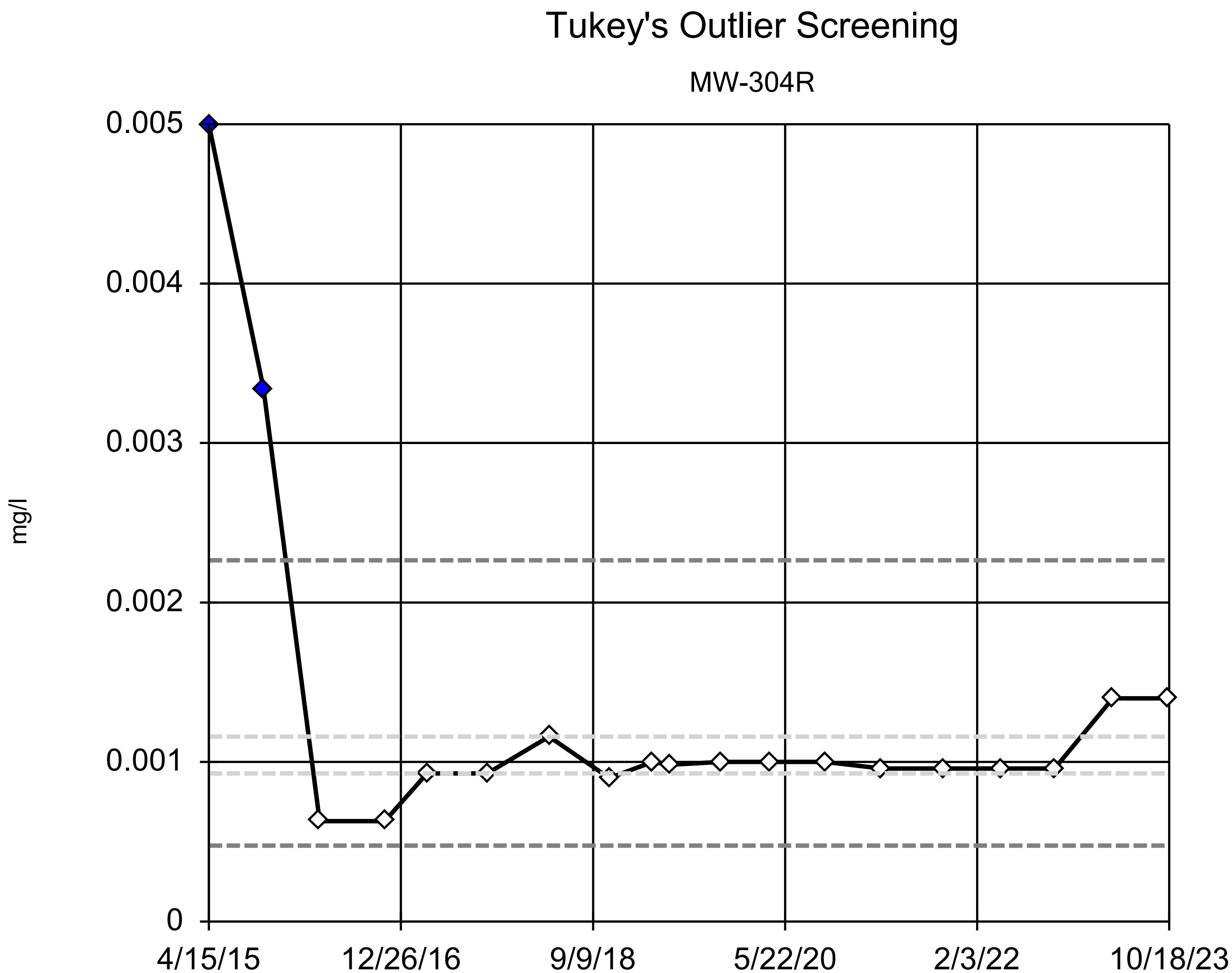

n = 19

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.002266, low cutoff = 0.0004751, based on IQR multiplier of 3.

Constituent: Selenium Analysis Run 11/15/2023 4:02 PM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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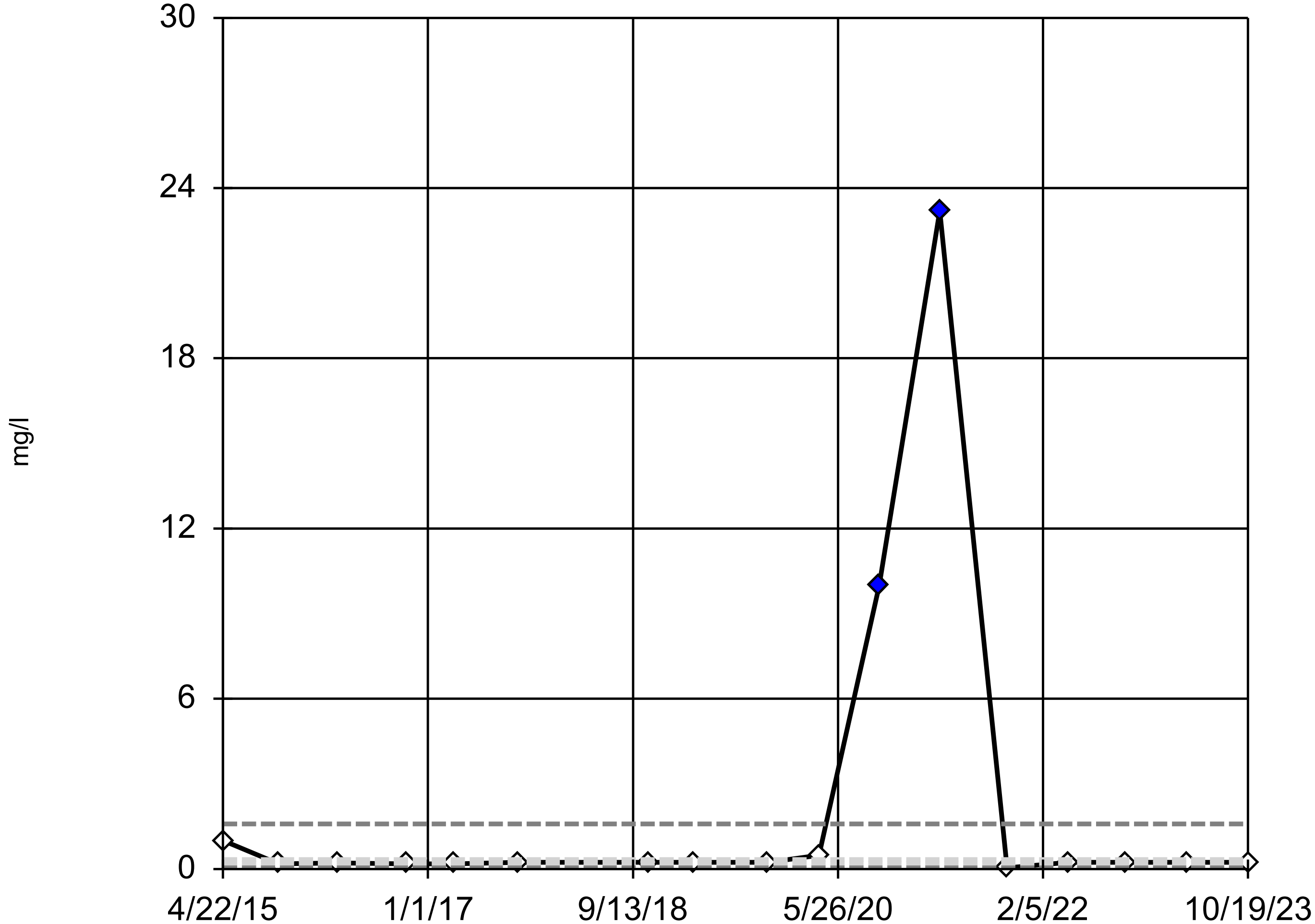
Tukey's Outlier Screening

MW-201B (bg)



n = 17

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 1.584, low cutoff = 0.04183, based on IQR multiplier of 3.

Constituent: Sulfide   Analysis Run 11/15/2023 4:02 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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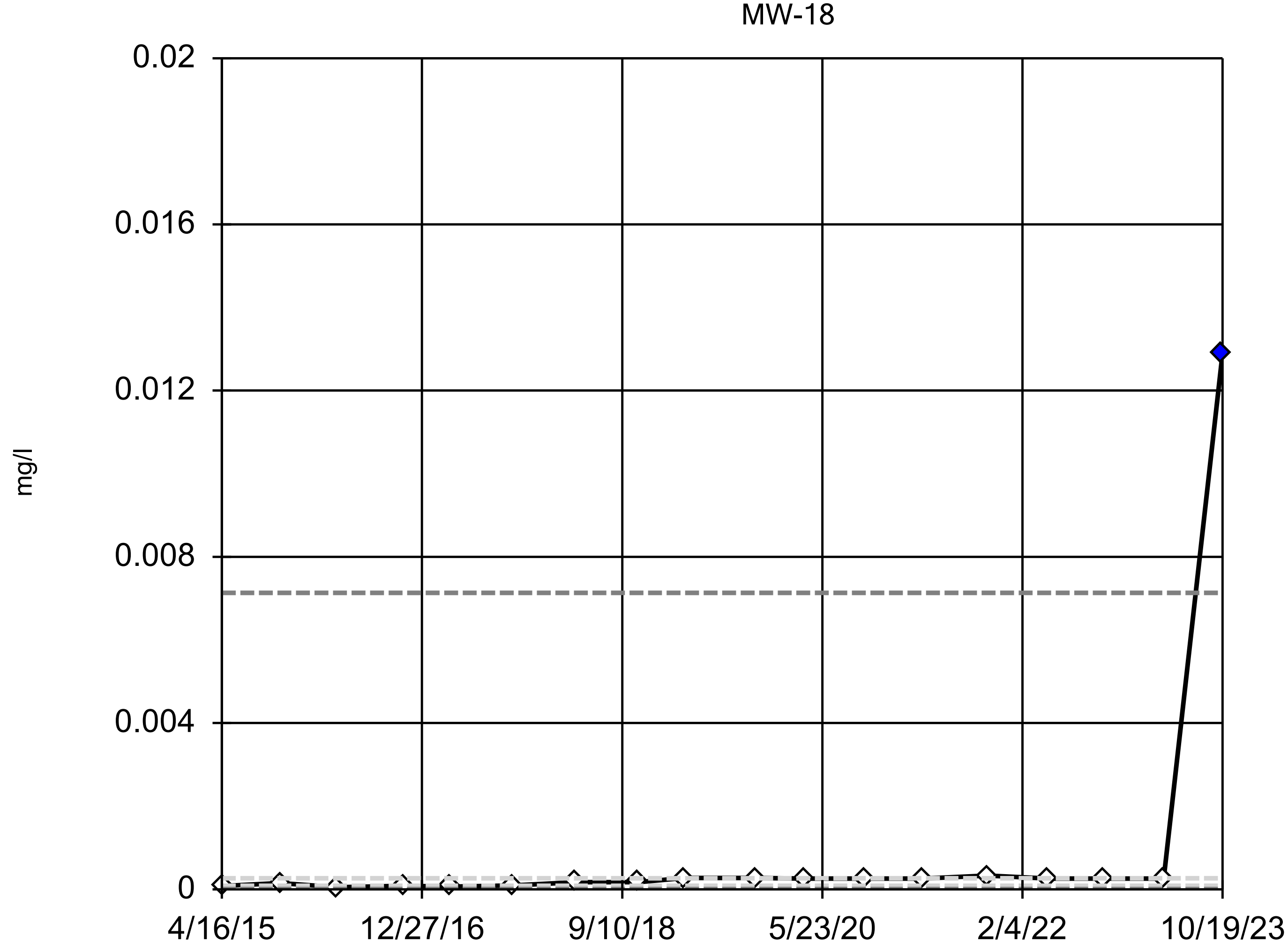


n = 18

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

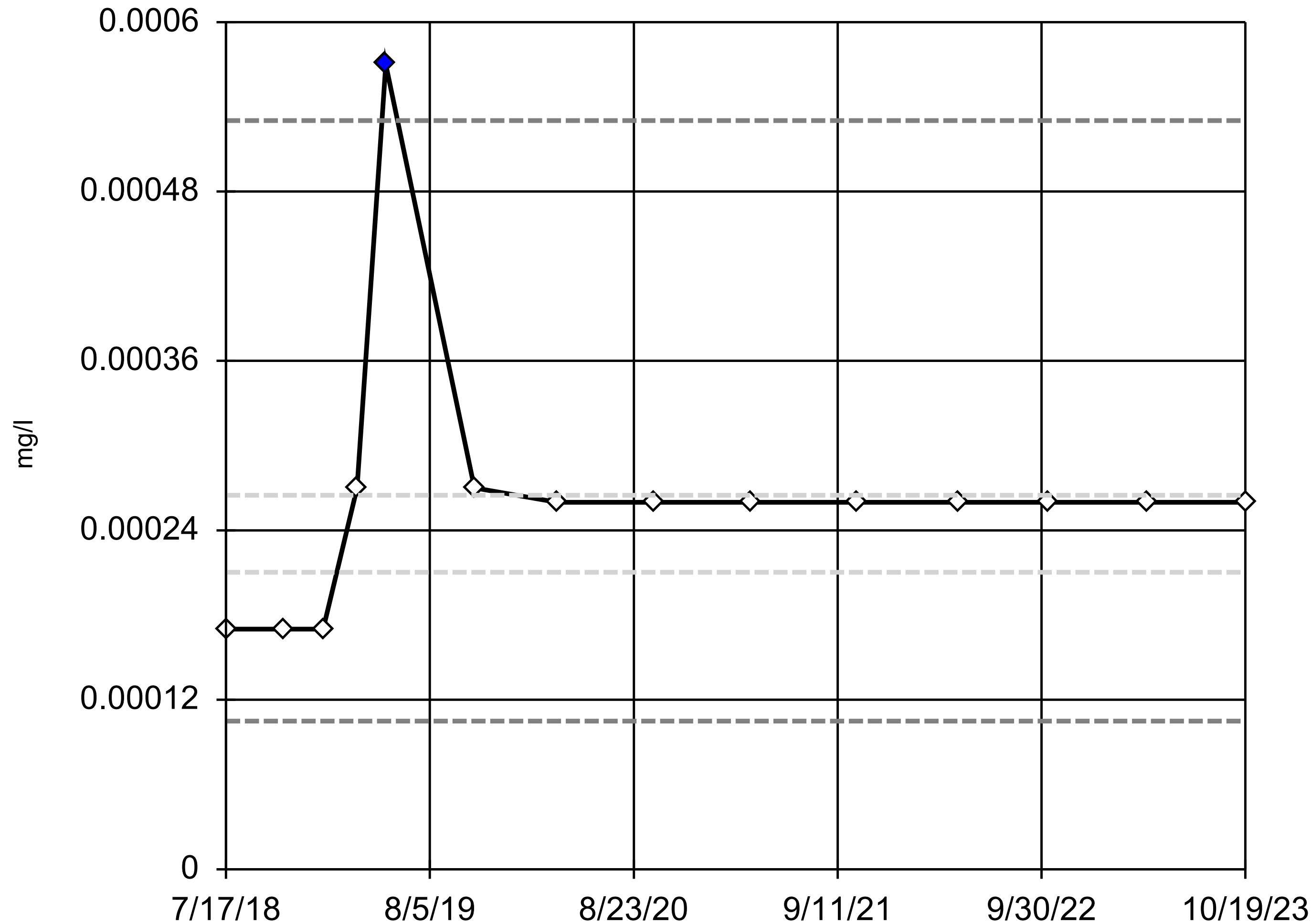
High cutoff = 0.007137, low cutoff = 0.000003281, based on IQR multiplier of 3.

Constituent: Thallium Analysis Run 11/15/2023 4:02 PM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Tukey's Outlier Screening

MW-9AR (bg)



n = 14

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

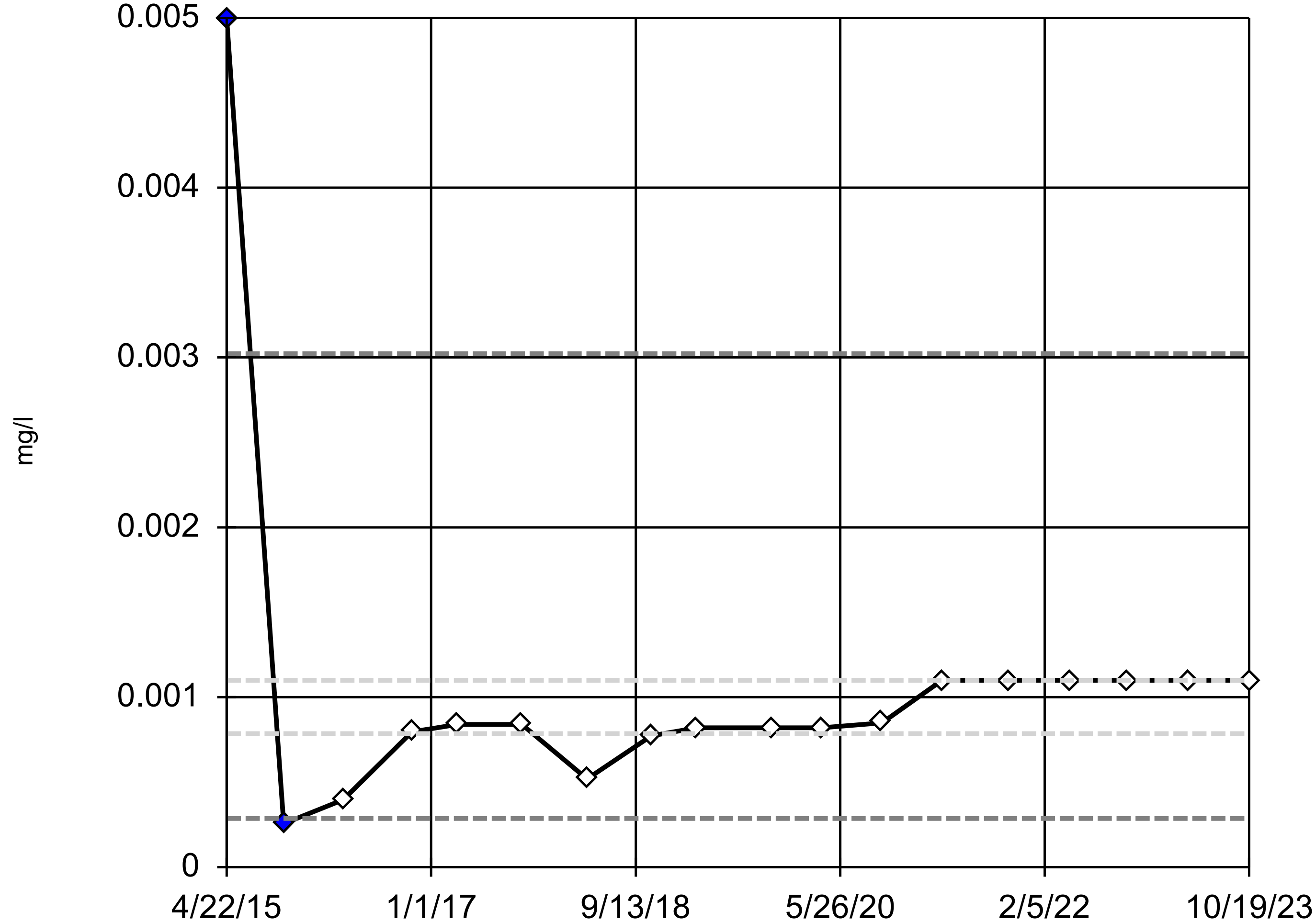
High cutoff = 0.0005303, low cutoff = 0.000105, based on IQR multiplier of 3.

Constituent: Thallium   Analysis Run 11/15/2023 4:03 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Tukey's Outlier Screening

MW-22



n = 18

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.003022, low cutoff = 0.0002859, based on IQR multiplier of 3.

Constituent: Vanadium Analysis Run 11/15/2023 4:03 PM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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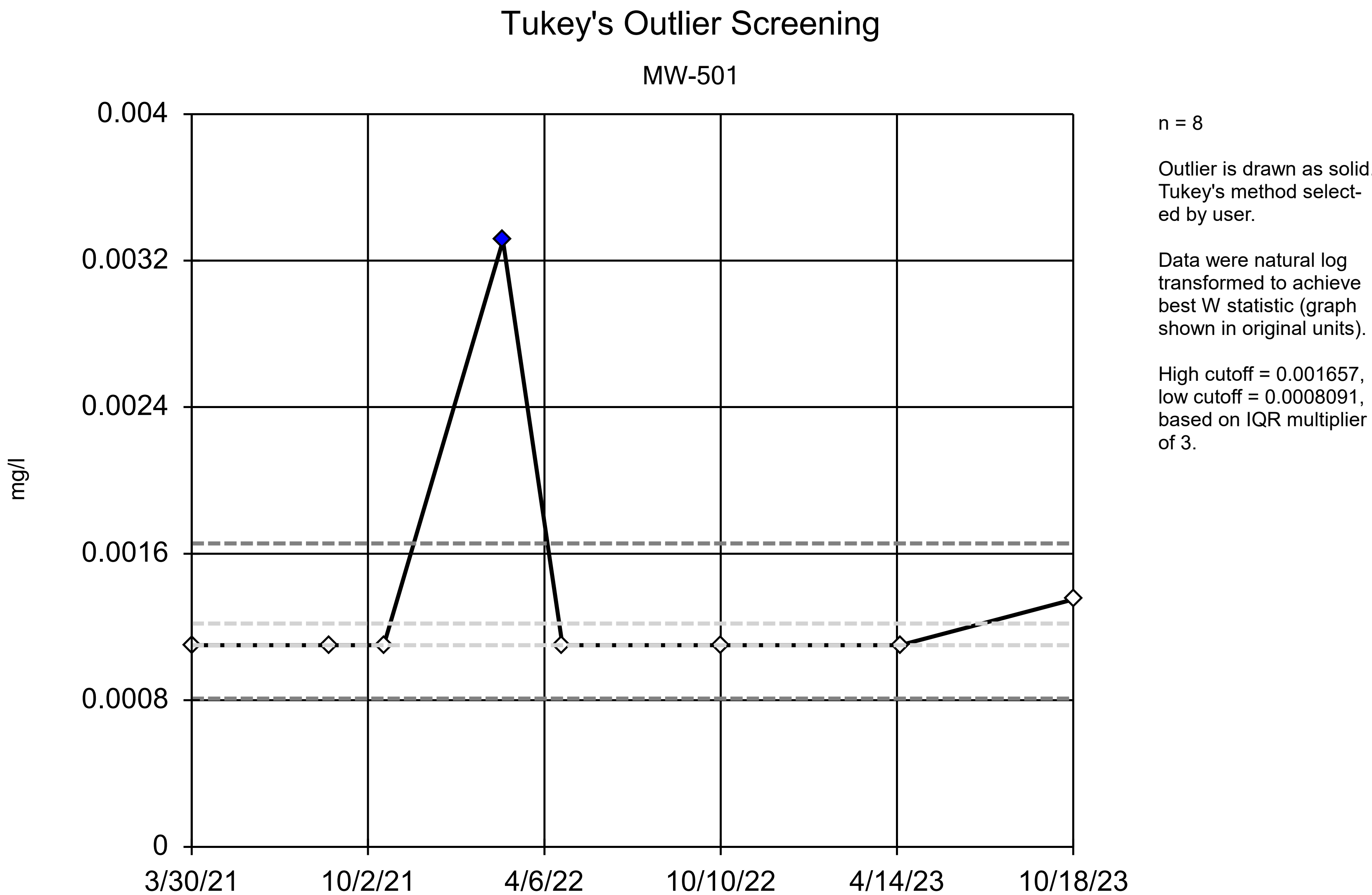
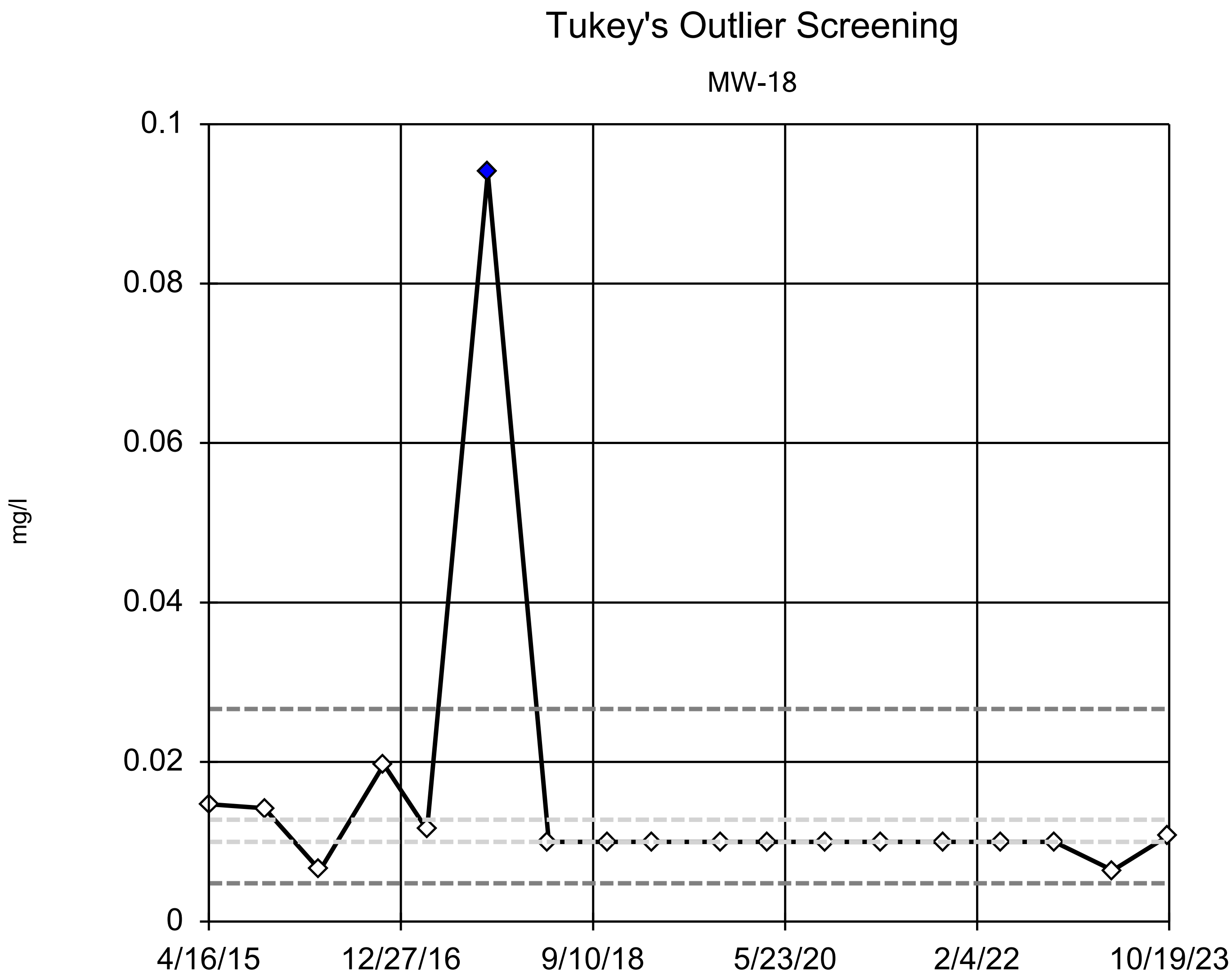


Constituent: Vanadium Analysis Run 11/15/2023 4:03 PM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG



n = 18

Outlier is drawn as solid. Tukey's method selected by user.

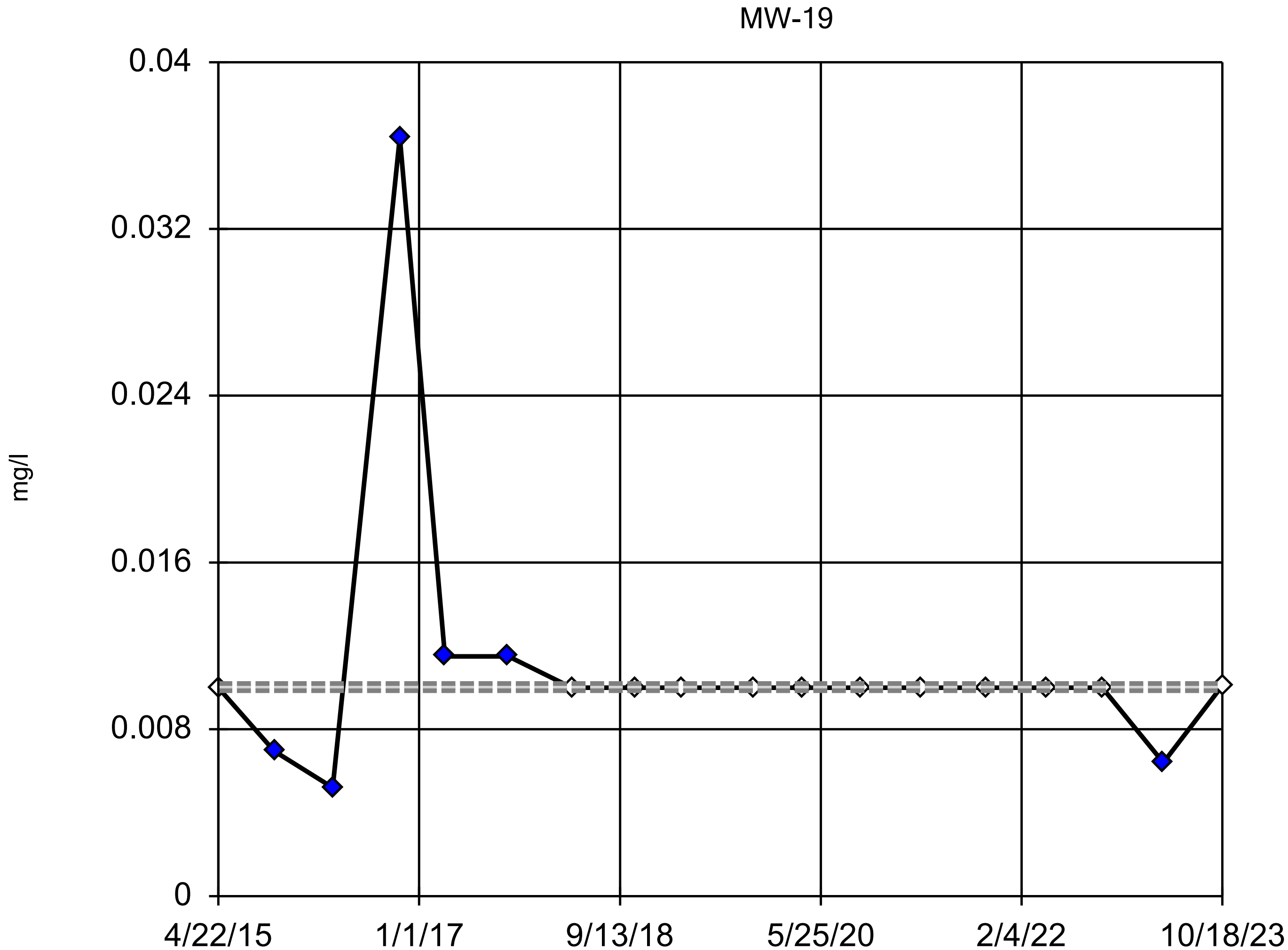
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.02667, low cutoff = 0.004792, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 11/15/2023 4:03 PM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Tukey's Outlier Screening



n = 18

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.0102, low cutoff = 0.009852, based on IQR multiplier of 3.

Constituent: Zinc   Analysis Run 11/15/2023 4:03 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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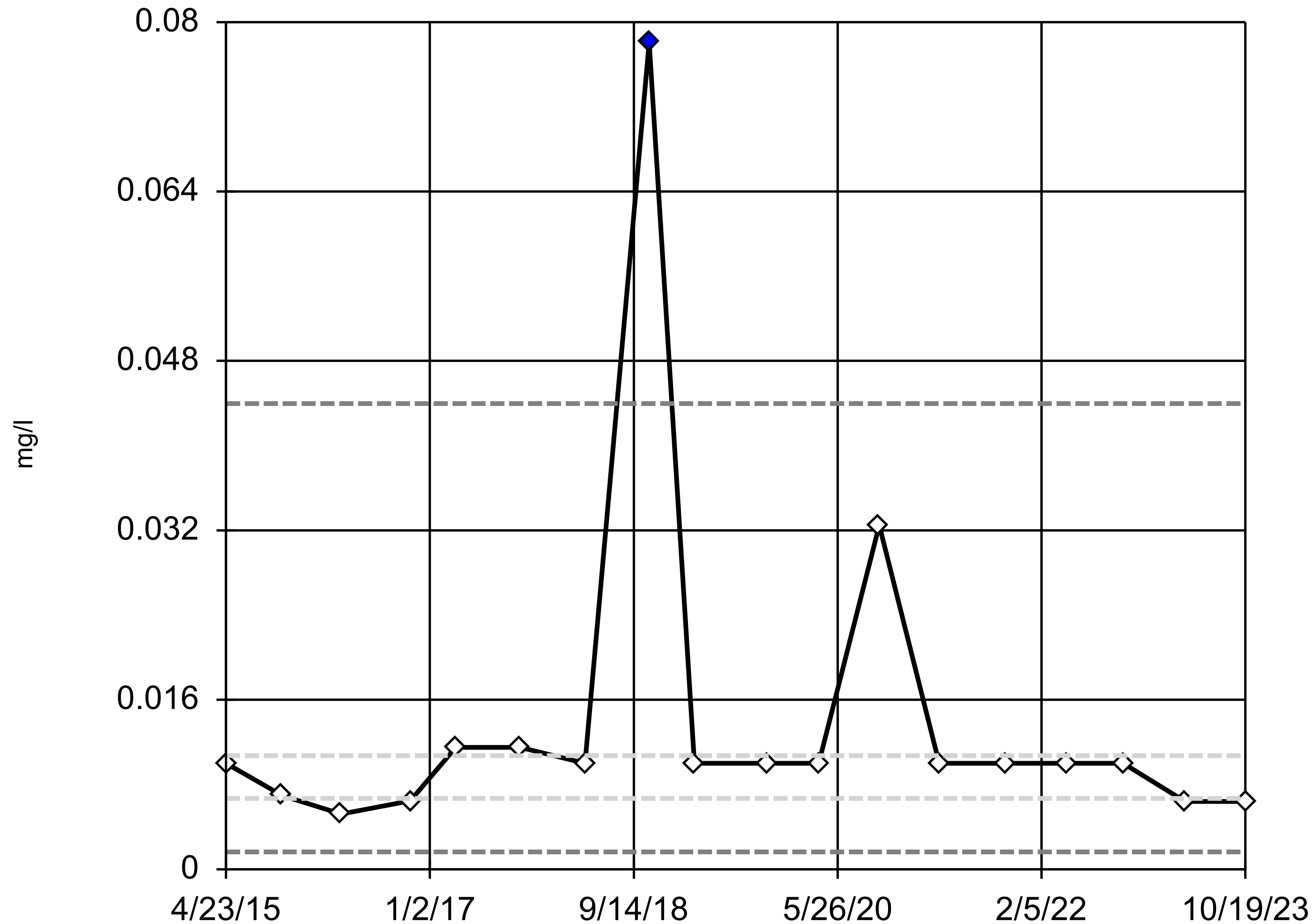
Tukey's Outlier Screening

MW-20



n = 18

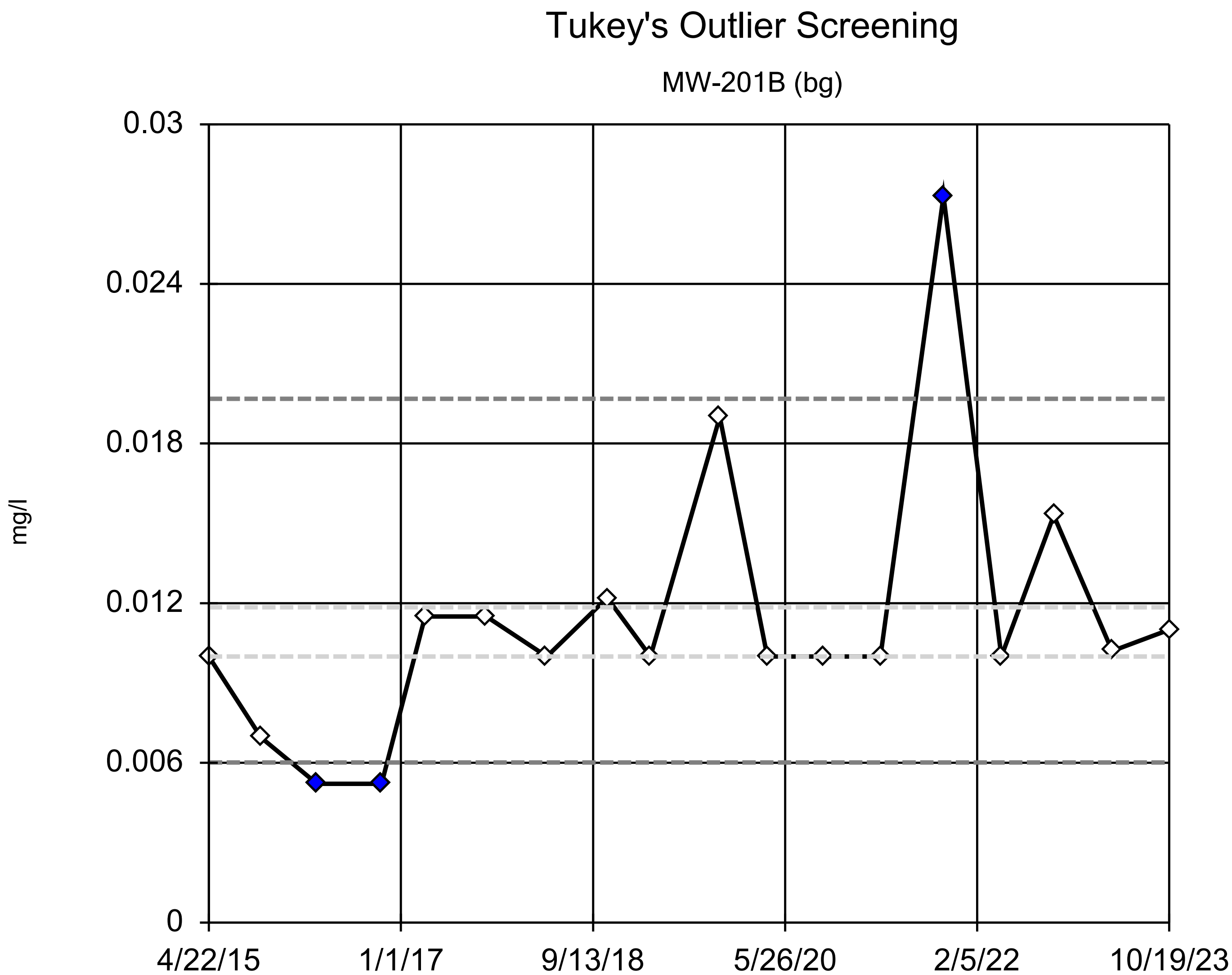
Outlier is drawn as solid. Tukey's method select-ed by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.04396, low cutoff = 0.001635, based on IQR multiplier of 3.

Constituent: Zinc   Analysis Run 11/15/2023 4:03 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database



n = 18

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01968, low cutoff = 0.006017, based on IQR multiplier of 3.

Constituent: Zinc   Analysis Run 11/15/2023 4:03 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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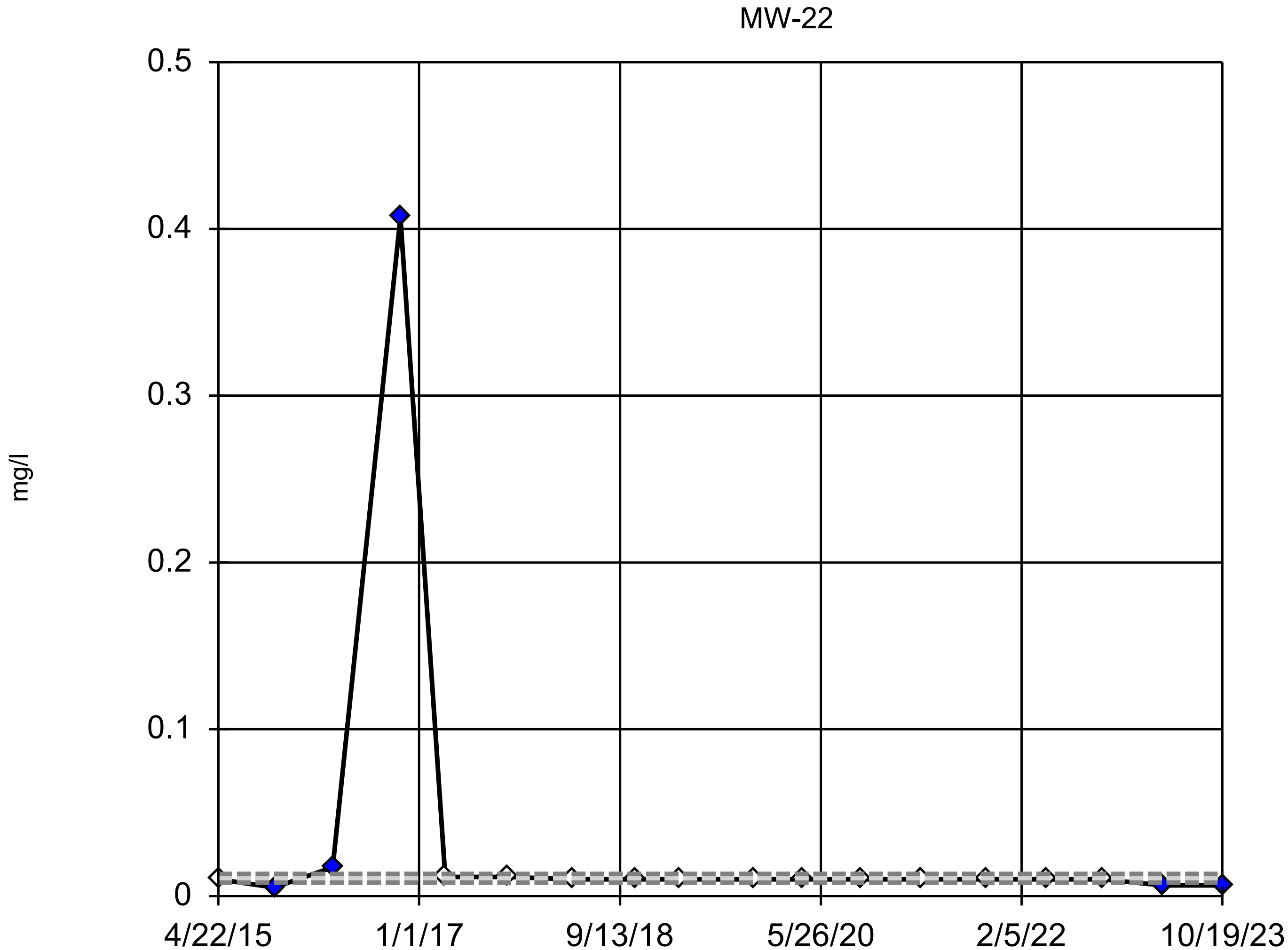
Tukey's Outlier Screening



n = 18

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01323, low cutoff = 0.008109, based on IQR multiplier of 3.

Constituent: Zinc   Analysis Run 11/15/2023 4:03 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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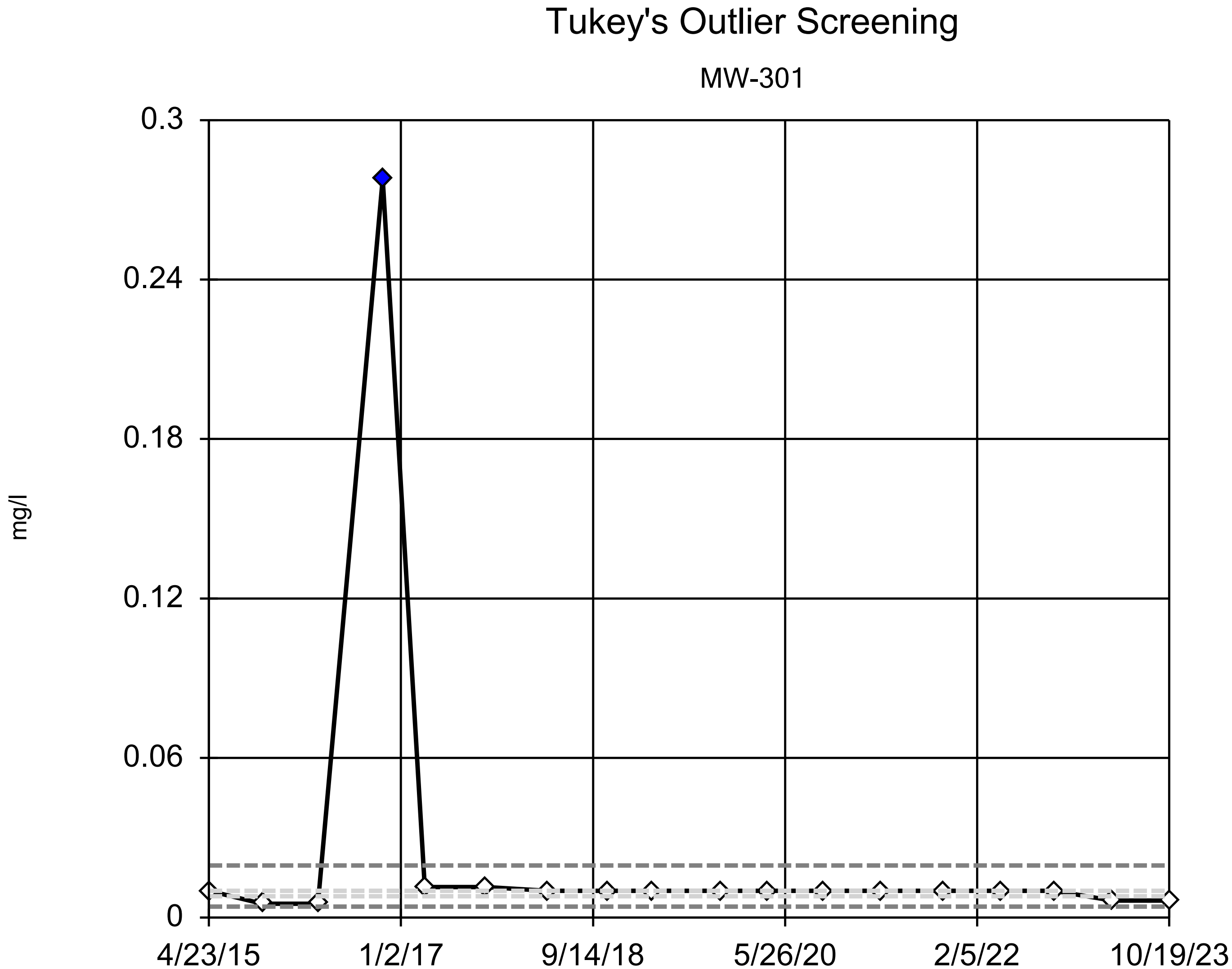

n = 18

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01953, low cutoff = 0.004096, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 11/15/2023 4:03 PM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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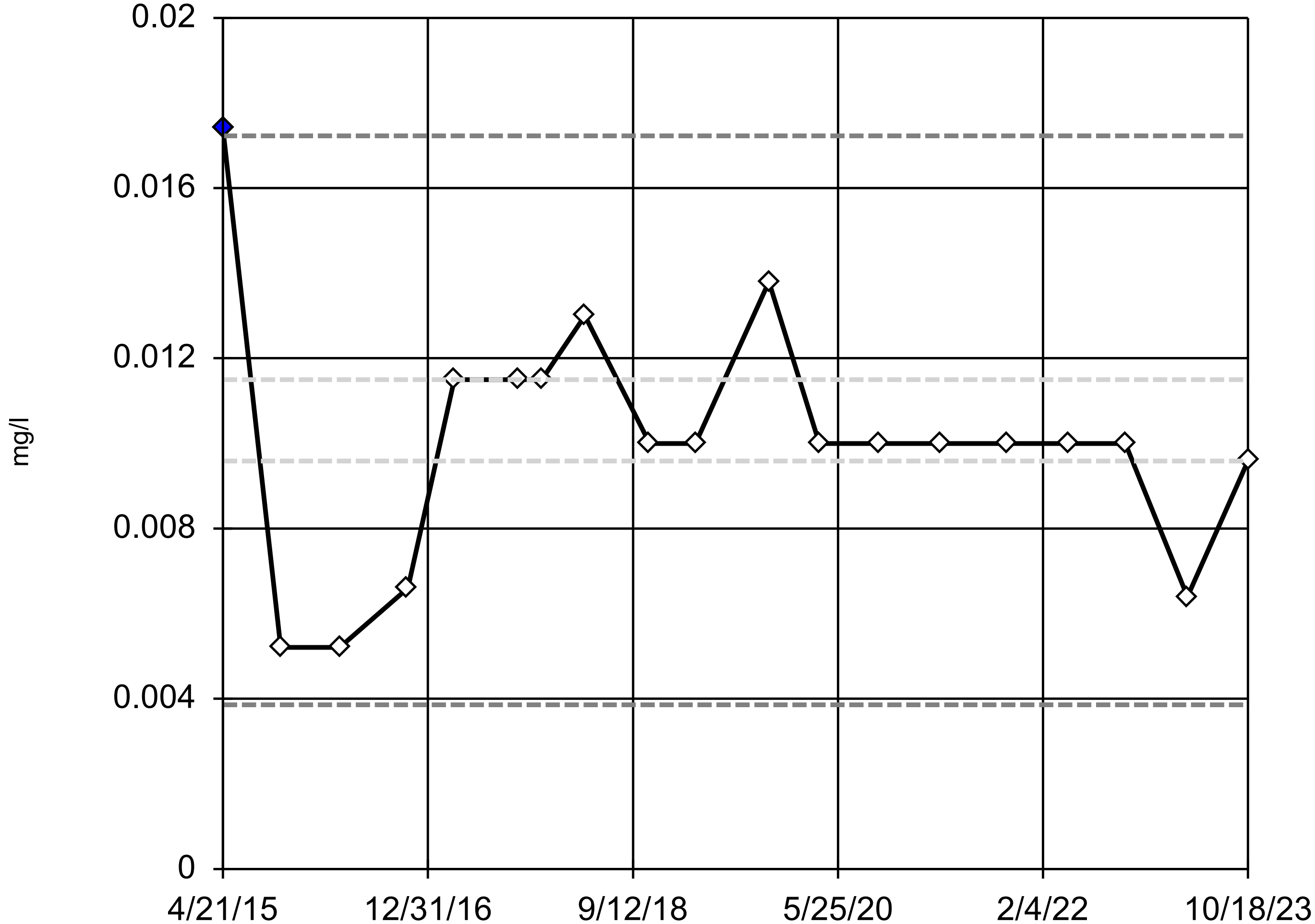
Tukey's Outlier Screening

MW-302R



n = 19

Outlier is drawn as solid. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

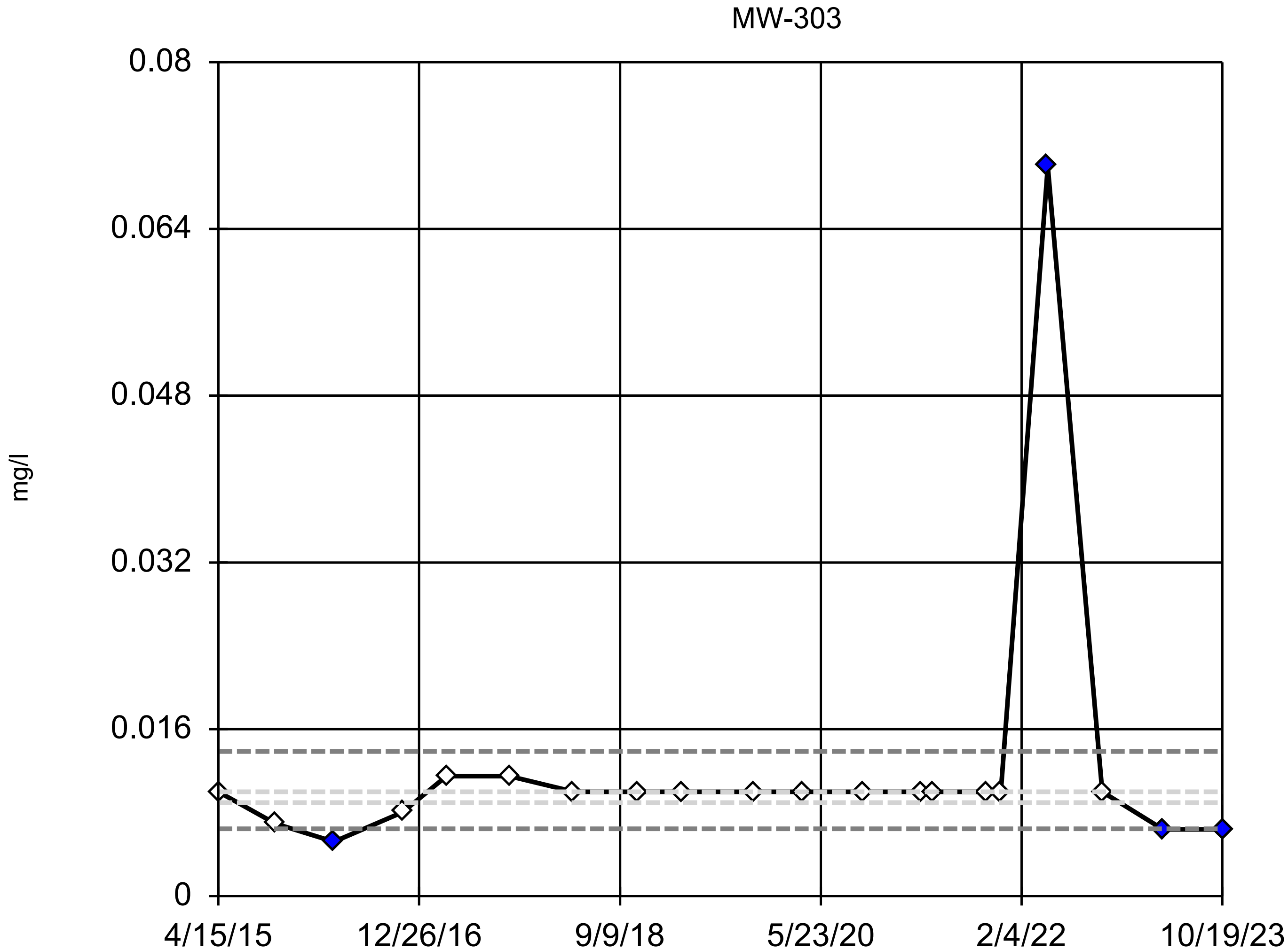
High cutoff = 0.01723, low cutoff = 0.00386, based on IQR multiplier of 3.

Constituent: Zinc   Analysis Run 11/15/2023 4:03 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG

Tukey's Outlier Screening



n = 20

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01387, low cutoff = 0.006464, based on IQR multiplier of 3.

Constituent: Zinc   Analysis Run 11/15/2023 4:03 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Outlier Analysis

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/15/2023, 4:04 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/l)	MW-15	No	n/a	n/a	NP	NaN	19	0.000...	0.0003259	x^(1/3)	ShapiroWilk
Antimony (mg/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.000...	0.0004512	unknown	ShapiroWilk
Antimony (mg/l)	MW-19	No	n/a	n/a	NP	NaN	18	0.000...	0.0003256	x^(1/3)	ShapiroWilk
Antimony (mg/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.003784	0.01351	unknown	ShapiroWilk
Antimony (mg/l)	MW-201B (bg)	No	n/a	n/a	NP	NaN	18	0.001038	0.0005308	ln(x)	ShapiroWilk
Antimony (mg/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.000...	0.000327	unknown	ShapiroWilk
Antimony (mg/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.000...	0.0003943	unknown	ShapiroWilk
Antimony (mg/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.000...	0.0003139	unknown	ShapiroWilk
Antimony (mg/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.000597	0.0003577	unknown	ShapiroWilk
Antimony (mg/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.000...	0.0004451	unknown	ShapiroWilk
Antimony (mg/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.000...	0.0003312	unknown	ShapiroWilk
Antimony (mg/l)	MW-303	No	n/a	n/a	NP	NaN	20	0.000...	0.001001	ln(x)	ShapiroWilk
Antimony (mg/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.000...	0.0004101	unknown	ShapiroWilk
Antimony (mg/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.000...	0.0003312	unknown	ShapiroWilk
Antimony (mg/l)	MW-501	No	n/a	n/a	NP	NaN	8	0.001074	0.0003792	ln(x)	ShapiroWilk
Antimony (mg/l)	MW-9AR (bg)	No	n/a	n/a	NP	NaN	14	0.000...	0.0003712	ln(x)	ShapiroWilk
Arsenic (mg/l)	MW-15	No	n/a	n/a	NP	NaN	20	0.003362	0.003971	ln(x)	ShapiroWilk
Arsenic (mg/l)	MW-18	No	n/a	n/a	NP	NaN	18	0.001346	0.0008508	ln(x)	ShapiroWilk
Arsenic (mg/l)	MW-19	No	n/a	n/a	NP	NaN	18	0.005411	0.003646	x^(1/3)	ShapiroWilk
Arsenic (mg/l)	MW-20	No	n/a	n/a	NP	NaN	18	0.007418	0.004553	sqrt(x)	ShapiroWilk
Arsenic (mg/l)	MW-201B (bg)	No	n/a	n/a	NP	NaN	18	0.001443	0.001006	ln(x)	ShapiroWilk
Arsenic (mg/l)	**MW-22**	**Yes**	**0.00569**	**11/1/2018**	**NP**	**NaN**	**18**	**0.003248**	**0.0007769**	**ln(x)**	**ShapiroWilk**
Arsenic (mg/l)	**MW-24**	**Yes**	**0.002**	**4/15/2015**	**NP**	**NaN**	**19**	**0.000...**	**0.000315**	**ln(x)**	**ShapiroWilk**
Arsenic (mg/l)	MW-26A	No	n/a	n/a	NP	NaN	15	0.001281	0.001261	ln(x)	ShapiroWilk
Arsenic (mg/l)	MW-300	No	n/a	n/a	NP	NaN	18	0.001791	0.001196	ln(x)	ShapiroWilk
Arsenic (mg/l)	MW-301	No	n/a	n/a	NP	NaN	18	0.007713	0.002406	normal	ShapiroWilk
Arsenic (mg/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.000...	0.0004411	unknown	ShapiroWilk
Arsenic (mg/l)	MW-303	No	n/a	n/a	NP	NaN	20	0.001985	0.0021	ln(x)	ShapiroWilk
Arsenic (mg/l)	MW-304R	No	n/a	n/a	NP	NaN	19	0.000...	0.0004056	ln(x)	ShapiroWilk
Arsenic (mg/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.000841	0.0004453	unknown	ShapiroWilk
Arsenic (mg/l)	MW-501	No	n/a	n/a	NP	NaN	8	0.003746	0.003827	ln(x)	ShapiroWilk
Arsenic (mg/l)	MW-9AR (bg)	No	n/a	n/a	NP	NaN	14	0.001686	0.001059	ln(x)	ShapiroWilk
Barium (mg/l)	MW-15	No	n/a	n/a	NP	NaN	19	0.1228	0.03387	sqrt(x)	ShapiroWilk
Barium (mg/l)	MW-18	No	n/a	n/a	NP	NaN	18	0.05742	0.01531	ln(x)	ShapiroWilk
Barium (mg/l)	MW-19	No	n/a	n/a	NP	NaN	18	0.2422	0.2162	ln(x)	ShapiroWilk
Barium (mg/l)	MW-20	No	n/a	n/a	NP	NaN	18	1.132	0.3819	x^2	ShapiroWilk
Barium (mg/l)	MW-201B (bg)	No	n/a	n/a	NP	NaN	18	0.1167	0.06611	ln(x)	ShapiroWilk
Barium (mg/l)	MW-22	No	n/a	n/a	NP	NaN	18	1.059	0.06947	x^(1/3)	ShapiroWilk
Barium (mg/l)	MW-24	No	n/a	n/a	NP	NaN	19	0.06482	0.01677	ln(x)	ShapiroWilk
Barium (mg/l)	MW-26A	No	n/a	n/a	NP	NaN	15	0.1378	0.0931	ln(x)	ShapiroWilk
Barium (mg/l)	MW-300	No	n/a	n/a	NP	NaN	18	0.1318	0.1022	ln(x)	ShapiroWilk
Barium (mg/l)	MW-301	No	n/a	n/a	NP	NaN	18	0.06772	0.01538	normal	ShapiroWilk
Barium (mg/l)	MW-302R	No	n/a	n/a	NP	NaN	19	0.04594	0.05589	ln(x)	ShapiroWilk
Barium (mg/l)	**MW-303**	**Yes**	**0.236,0...**	**4/1/2021,5/6...**	**NP**	**NaN**	**20**	**0.07333**	**0.0782**	**ln(x)**	**ShapiroWilk**
Barium (mg/l)	**MW-304R**	**Yes**	**0.206**	**9/29/2020**	**NP**	**NaN**	**19**	**0.05887**	**0.03832**	**ln(x)**	**ShapiroWilk**
Barium (mg/l)	MW-305	No	n/a	n/a	NP	NaN	19	0.1057	0.03577	x^2	ShapiroWilk
Barium (mg/l)	MW-501	No	n/a	n/a	NP	NaN	8	0.04485	0.01135	x^3	ShapiroWilk
Barium (mg/l)	MW-9AR (bg)	No	n/a	n/a	NP	NaN	14	0.4966	0.05973	x^6	ShapiroWilk
Beryllium (mg/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.000...	0.0001935	unknown	ShapiroWilk
Beryllium (mg/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.000...	0.0001941	unknown	ShapiroWilk

Outlier Analysis

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/15/2023, 4:04 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Beryllium (mg/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.000...	0.0001954	unknown	ShapiroWilk
Beryllium (mg/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.000...	0.0001893	unknown	ShapiroWilk
Beryllium (mg/l)	MW-201B (bg)	No	n/a	n/a	NP	NaN	18	0.000...	0.0000...	x^2	ShapiroWilk
Beryllium (mg/l)	MW-22	No	n/a	n/a	NP	NaN	18	0.000...	0.0000...	x^2	ShapiroWilk
Beryllium (mg/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.000...	0.0001931	unknown	ShapiroWilk
Beryllium (mg/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.000...	0.0002027	unknown	ShapiroWilk
Beryllium (mg/l)	MW-300	No	n/a	n/a	NP	NaN	18	0.000...	0.000271	ln(x)	ShapiroWilk
Beryllium (mg/l)	**MW-301**	**Yes**	**0.001**	**4/23/2015**	**NP**	**NaN**	**18**	**0.000...**	**0.0001876**	**ln(x)**	**ShapiroWilk**
Beryllium (mg/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.000...	0.0000...	unknown	ShapiroWilk
Beryllium (mg/l)	**MW-303**	**Yes**	**0.001,0...**	**4/15/2015,12...**	**NP**	**NaN**	**20**	**0.000391**	**0.0004303**	**ln(x)**	**ShapiroWilk**
Beryllium (mg/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.00029	0.0001962	unknown	ShapiroWilk
Beryllium (mg/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.000...	0.000186	unknown	ShapiroWilk
Beryllium (mg/l)	MW-501	No	n/a	n/a	NP	NaN	8	0.000...	0.0000275	ln(x)	ShapiroWilk
Beryllium (mg/l)	MW-9AR (bg)	No	n/a	n/a	NP	NaN	14	0.00028	0.0000844	ln(x)	ShapiroWilk
Cadmium (mg/l)	MW-15	No	n/a	n/a	NP	NaN	19	0.000...	0.0001057	ln(x)	ShapiroWilk
Cadmium (mg/l)	MW-18	No	n/a	n/a	NP	NaN	18	0.000...	0.0001061	ln(x)	ShapiroWilk
Cadmium (mg/l)	MW-19	No	n/a	n/a	NP	NaN	18	0.000...	0.0001071	ln(x)	ShapiroWilk
Cadmium (mg/l)	MW-20	No	n/a	n/a	NP	NaN	18	0.000...	0.0001065	ln(x)	ShapiroWilk
Cadmium (mg/l)	MW-201B (bg)	No	n/a	n/a	NP	NaN	18	0.000...	0.0001065	ln(x)	ShapiroWilk
Cadmium (mg/l)	**MW-22**	**Yes**	**0.0005**	**4/22/2015**	**NP**	**NaN**	**18**	**0.000...**	**0.0001068**	**ln(x)**	**ShapiroWilk**
Cadmium (mg/l)	MW-24	No	n/a	n/a	NP	NaN	19	0.000...	0.0001874	ln(x)	ShapiroWilk
Cadmium (mg/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.000101	0.0001154	unknown	ShapiroWilk
Cadmium (mg/l)	MW-300	No	n/a	n/a	NP	NaN	18	0.000...	0.0001546	ln(x)	ShapiroWilk
Cadmium (mg/l)	**MW-301**	**Yes**	**0.0005**	**4/23/2015**	**NP**	**NaN**	**18**	**0.000...**	**0.0001144**	**ln(x)**	**ShapiroWilk**
Cadmium (mg/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.000...	0.0000542	unknown	ShapiroWilk
Cadmium (mg/l)	MW-303	No	n/a	n/a	NP	NaN	20	0.000...	0.001397	ln(x)	ShapiroWilk
Cadmium (mg/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.000...	0.0001035	unknown	ShapiroWilk
Cadmium (mg/l)	**MW-305**	**Yes**	**0.0005**	**4/15/2015**	**NP**	**NaN**	**19**	**0.000...**	**0.000104**	**ln(x)**	**ShapiroWilk**
Cadmium (mg/l)	MW-501	No	n/a	n/a	NP	NaN	8	0.000...	0.0000...	ln(x)	ShapiroWilk
Cadmium (mg/l)	MW-9AR (bg)	No	n/a	n/a	NP	NaN	14	0.000...	0.0000...	ln(x)	ShapiroWilk
Chromium (mg/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.001146	0.0009593	unknown	ShapiroWilk
Chromium (mg/l)	**MW-18**	**Yes**	**0.005**	**4/16/2015**	**NP**	**NaN**	**18**	**0.001149**	**0.000995**	**ln(x)**	**ShapiroWilk**
Chromium (mg/l)	**MW-19**	**Yes**	**0.005**	**4/22/2015**	**NP**	**NaN**	**18**	**0.001289**	**0.00109**	**ln(x)**	**ShapiroWilk**
Chromium (mg/l)	**MW-20**	**Yes**	**0.0269**	**10/31/2018**	**NP**	**NaN**	**18**	**0.003132**	**0.005949**	**ln(x)**	**ShapiroWilk**
Chromium (mg/l)	MW-201B (bg)	No	n/a	n/a	NP	NaN	18	0.002334	0.003124	ln(x)	ShapiroWilk
Chromium (mg/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.001127	0.0009942	unknown	ShapiroWilk
Chromium (mg/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.001135	0.000966	unknown	ShapiroWilk
Chromium (mg/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.00118	0.001091	unknown	ShapiroWilk
Chromium (mg/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.001101	0.001012	unknown	ShapiroWilk
Chromium (mg/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.001106	0.001008	unknown	ShapiroWilk
Chromium (mg/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.001083	0.0009863	unknown	ShapiroWilk
Chromium (mg/l)	**MW-303**	**Yes**	**0.005,0...**	**4/15/2015,4/...**	**NP**	**NaN**	**20**	**0.001523**	**0.001722**	**ln(x)**	**ShapiroWilk**
Chromium (mg/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.001222	0.000956	unknown	ShapiroWilk
Chromium (mg/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.001081	0.0009872	unknown	ShapiroWilk
Chromium (mg/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.0011	0	unknown	ShapiroWilk
Chromium (mg/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.001013	0.0001444	unknown	ShapiroWilk
Cobalt (mg/l)	MW-15	No	n/a	n/a	NP	NaN	20	0.002104	0.001102	ln(x)	ShapiroWilk
Cobalt (mg/l)	MW-18	No	n/a	n/a	NP	NaN	19	0.007708	0.005696	ln(x)	ShapiroWilk
Cobalt (mg/l)	MW-19	No	n/a	n/a	NP	NaN	18	0.01393	0.003396	x^2	ShapiroWilk
Cobalt (mg/l)	MW-20	No	n/a	n/a	NP	NaN	18	0.004219	0.001186	x^(1/3)	ShapiroWilk

Outlier Analysis

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/15/2023, 4:04 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Cobalt (mg/l)	MW-201B (bg)	No	n/a	n/a	NP	NaN	18	0.000...	0.0007555	ln(x)	ShapiroWilk
Cobalt (mg/l)	MW-22	No	n/a	n/a	NP	NaN	18	0.000...	0.000143	ln(x)	ShapiroWilk
Cobalt (mg/l)	MW-24	No	n/a	n/a	NP	NaN	20	0.002956	0.004172	ln(x)	ShapiroWilk
Cobalt (mg/l)	MW-26A	No	n/a	n/a	NP	NaN	16	0.01154	0.02528	ln(x)	ShapiroWilk
Cobalt (mg/l)	MW-300	No	n/a	n/a	NP	NaN	18	0.006029	0.006713	x^(1/3)	ShapiroWilk
Cobalt (mg/l)	MW-301	No	n/a	n/a	NP	NaN	18	0.006846	0.002775	x^(1/3)	ShapiroWilk
Cobalt (mg/l)	MW-302R	No	n/a	n/a	NP	NaN	19	0.001382	0.001323	x^(1/3)	ShapiroWilk
Cobalt (mg/l)	MW-303	No	n/a	n/a	NP	NaN	21	0.008579	0.01403	ln(x)	ShapiroWilk
Cobalt (mg/l)	MW-304R	No	n/a	n/a	NP	NaN	20	0.003746	0.003873	sqrt(x)	ShapiroWilk
Cobalt (mg/l)	**MW-305**	**Yes**	**0.00726**	**11/1/2016**	**NP**	**NaN**	**20**	**0.002305**	**0.001417**	**ln(x)**	**ShapiroWilk**
Cobalt (mg/l)	MW-501	No	n/a	n/a	NP	NaN	8	0.005535	0.002019	ln(x)	ShapiroWilk
Cobalt (mg/l)	MW-9AR (bg)	No	n/a	n/a	NP	NaN	14	0.000...	0.0007388	ln(x)	ShapiroWilk
Copper (mg/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.001908	0.0006133	unknown	ShapiroWilk
Copper (mg/l)	MW-18	No	n/a	n/a	NP	NaN	18	0.001695	0.000558	x^(1/3)	ShapiroWilk
Copper (mg/l)	MW-19	No	n/a	n/a	NP	NaN	18	0.001817	0.0004585	ln(x)	ShapiroWilk
Copper (mg/l)	**MW-20**	**Yes**	**0.0704**	**10/31/2018**	**NP**	**NaN**	**18**	**0.005556**	**0.01619**	**ln(x)**	**ShapiroWilk**
Copper (mg/l)	MW-201B (bg)	No	n/a	n/a	NP	NaN	18	0.002591	0.001696	ln(x)	ShapiroWilk
Copper (mg/l)	**MW-22**	**Yes**	**0.0128,...**	**4/9/2016,11/...**	**NP**	**NaN**	**18**	**0.002946**	**0.003209**	**ln(x)**	**ShapiroWilk**
Copper (mg/l)	MW-24	No	n/a	n/a	NP	NaN	19	0.002298	0.0007463	ln(x)	ShapiroWilk
Copper (mg/l)	MW-26A	No	n/a	n/a	NP	NaN	15	0.001928	0.0007801	ln(x)	ShapiroWilk
Copper (mg/l)	MW-300	No	n/a	n/a	NP	NaN	18	0.001823	0.0005796	normal	ShapiroWilk
Copper (mg/l)	MW-301	No	n/a	n/a	NP	NaN	18	0.001938	0.0006255	ln(x)	ShapiroWilk
Copper (mg/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.002004	0.0006402	unknown	ShapiroWilk
Copper (mg/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.002248	0.002494	unknown	ShapiroWilk
Copper (mg/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.001731	0.0005953	unknown	ShapiroWilk
Copper (mg/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.001796	0.0004735	unknown	ShapiroWilk
Copper (mg/l)	MW-501	No	n/a	n/a	NP	NaN	8	0.001761	0.0004072	ln(x)	ShapiroWilk
Copper (mg/l)	**MW-9AR (bg)**	**Yes**	**0.00049...**	**5/14/2019,4/...**	**NP**	**NaN**	**14**	**0.001761**	**0.0007088**	**x^(1/3)**	**ShapiroWilk**
Lead (mg/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.000...	0.0002384	unknown	ShapiroWilk
Lead (mg/l)	MW-18	No	n/a	n/a	NP	NaN	18	0.000...	0.0001256	ln(x)	ShapiroWilk
Lead (mg/l)	MW-19	No	n/a	n/a	NP	NaN	18	0.000...	0.0000...	x^2	ShapiroWilk
Lead (mg/l)	MW-20	No	n/a	n/a	NP	NaN	18	0.000...	0.0000...	sqrt(x)	ShapiroWilk
Lead (mg/l)	MW-201B (bg)	No	n/a	n/a	NP	NaN	18	0.001547	0.002157	ln(x)	ShapiroWilk
Lead (mg/l)	MW-22	No	n/a	n/a	NP	NaN	18	0.000...	0.0001441	ln(x)	ShapiroWilk
Lead (mg/l)	MW-24	No	n/a	n/a	NP	NaN	19	0.000...	0.000172	ln(x)	ShapiroWilk
Lead (mg/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.000372	0.0004398	unknown	ShapiroWilk
Lead (mg/l)	MW-300	No	n/a	n/a	NP	NaN	18	0.000...	0.0001267	ln(x)	ShapiroWilk
Lead (mg/l)	MW-301	No	n/a	n/a	NP	NaN	18	0.000...	0.0001638	ln(x)	ShapiroWilk
Lead (mg/l)	MW-302R	No	n/a	n/a	NP	NaN	19	0.000...	0.0001376	ln(x)	ShapiroWilk
Lead (mg/l)	MW-303	No	n/a	n/a	NP	NaN	20	0.000422	0.0003953	ln(x)	ShapiroWilk
Lead (mg/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.000...	0.0005142	unknown	ShapiroWilk
Lead (mg/l)	MW-305	No	n/a	n/a	NP	NaN	19	0.000...	0.0000...	x^2	ShapiroWilk
Lead (mg/l)	MW-501	No	n/a	n/a	NP	NaN	8	0.000...	0.0007341	ln(x)	ShapiroWilk
Lead (mg/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	MW-201B (bg)	No	n/a	n/a	NP	NaN	4	0.000...	0.0000...	ln(x)	ShapiroWilk
Mercury (mg/l)	MW-301	n/a	n/a	n/a	NP	NaN	11	0.000...	0.0000...	unknown	ShapiroWilk
Nickel (mg/l)	MW-15	No	n/a	n/a	NP	NaN	20	0.007116	0.002127	normal	ShapiroWilk
Nickel (mg/l)	MW-18	No	n/a	n/a	NP	NaN	19	0.01836	0.006763	ln(x)	ShapiroWilk
Nickel (mg/l)	MW-19	No	n/a	n/a	NP	NaN	18	0.02874	0.008984	ln(x)	ShapiroWilk
Nickel (mg/l)	MW-20	No	n/a	n/a	NP	NaN	18	0.02291	0.008636	x^(1/3)	ShapiroWilk

Outlier Analysis

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/15/2023, 4:04 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Nickel (mg/l)	MW-201B (bg)	No	n/a	n/a	NP	NaN	18	0.002415	0.001406	ln(x)	ShapiroWilk
Nickel (mg/l)	MW-22	No	n/a	n/a	NP	NaN	18	0.03466	0.004364	ln(x)	ShapiroWilk
Nickel (mg/l)	MW-24	No	n/a	n/a	NP	NaN	20	0.04005	0.00944	x^3	ShapiroWilk
Nickel (mg/l)	**MW-26A**	**Yes**	**0.0437**	**4/18/2023**	**NP**	**NaN**	**16**	**0.0105**	**0.00919**	**ln(x)**	**ShapiroWilk**
Nickel (mg/l)	MW-300	No	n/a	n/a	NP	NaN	18	0.01192	0.008467	sqrt(x)	ShapiroWilk
Nickel (mg/l)	MW-301	No	n/a	n/a	NP	NaN	18	0.009334	0.004097	x^(1/3)	ShapiroWilk
Nickel (mg/l)	MW-302R	No	n/a	n/a	NP	NaN	20	0.008549	0.005087	normal	ShapiroWilk
Nickel (mg/l)	MW-303	No	n/a	n/a	NP	NaN	21	0.02691	0.02892	ln(x)	ShapiroWilk
Nickel (mg/l)	MW-304R	No	n/a	n/a	NP	NaN	20	0.004776	0.003364	x^(1/3)	ShapiroWilk
Nickel (mg/l)	MW-305	No	n/a	n/a	NP	NaN	19	0.002374	0.0008513	ln(x)	ShapiroWilk
Nickel (mg/l)	MW-501	No	n/a	n/a	NP	NaN	8	0.00953	0.005043	ln(x)	ShapiroWilk
Nickel (mg/l)	**MW-9AR (bg)**	**Yes**	**0.00295...**	**7/17/2018,11...**	**NP**	**NaN**	**14**	**0.001851**	**0.0005009**	**normal**	**ShapiroWilk**
Selenium (mg/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.001368	0.001075	unknown	ShapiroWilk
Selenium (mg/l)	MW-18	No	n/a	n/a	NP	NaN	18	0.001456	0.001098	ln(x)	ShapiroWilk
Selenium (mg/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.00139	0.001076	unknown	ShapiroWilk
Selenium (mg/l)	**MW-20**	**Yes**	**0.005**	**4/23/2015**	**NP**	**NaN**	**18**	**0.001391**	**0.001068**	**ln(x)**	**ShapiroWilk**
Selenium (mg/l)	**MW-201B (bg)**	**Yes**	**0.005,0...**	**4/22/2015,10...**	**NP**	**NaN**	**18**	**0.001328**	**0.001089**	**ln(x)**	**ShapiroWilk**
Selenium (mg/l)	**MW-22**	**Yes**	**0.005**	**4/22/2015**	**NP**	**NaN**	**18**	**0.001242**	**0.0009831**	**ln(x)**	**ShapiroWilk**
Selenium (mg/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.001337	0.00106	unknown	ShapiroWilk
Selenium (mg/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.001225	0.00106	unknown	ShapiroWilk
Selenium (mg/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.0013	0.0009839	unknown	ShapiroWilk
Selenium (mg/l)	**MW-301**	**Yes**	**0.005**	**4/23/2015**	**NP**	**NaN**	**18**	**0.001239**	**0.001003**	**ln(x)**	**ShapiroWilk**
Selenium (mg/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.001164	0.0009502	unknown	ShapiroWilk
Selenium (mg/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.001652	0.001578	unknown	ShapiroWilk
Selenium (mg/l)	**MW-304R**	**Yes**	**0.005,0...**	**4/15/2015,10...**	**NP**	**NaN**	**19**	**0.001323**	**0.001058**	**ln(x)**	**ShapiroWilk**
Selenium (mg/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.001164	0.0009505	unknown	ShapiroWilk
Selenium (mg/l)	MW-501	No	n/a	n/a	NP	NaN	8	0.00107	0.0002037	sqrt(x)	ShapiroWilk
Selenium (mg/l)	MW-9AR (bg)	No	n/a	n/a	NP	NaN	14	0.001077	0.0002076	ln(x)	ShapiroWilk
Silver (mg/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.000...	0.0002145	unknown	ShapiroWilk
Silver (mg/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.000...	0.0002939	unknown	ShapiroWilk
Silver (mg/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.000...	0.0002143	unknown	ShapiroWilk
Silver (mg/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.000...	0.0002143	unknown	ShapiroWilk
Silver (mg/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.000...	0.0002143	unknown	ShapiroWilk
Silver (mg/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.000...	0.000206	unknown	ShapiroWilk
Silver (mg/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.000...	0.0002134	unknown	ShapiroWilk
Silver (mg/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.000...	0.000206	unknown	ShapiroWilk
Silver (mg/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.000...	0.0002483	unknown	ShapiroWilk
Silver (mg/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.000...	0.0002772	unknown	ShapiroWilk
Silver (mg/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.000...	0.000207	unknown	ShapiroWilk
Silver (mg/l)	MW-303	No	n/a	n/a	NP	NaN	20	0.000...	0.000715	ln(x)	ShapiroWilk
Silver (mg/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.000...	0.0002159	unknown	ShapiroWilk
Silver (mg/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.000...	0.000205	unknown	ShapiroWilk
Silver (mg/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.000...	0.0000...	unknown	ShapiroWilk
Silver (mg/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.000...	0.000106	unknown	ShapiroWilk
Sulfide (mg/l)	MW-20	No	n/a	n/a	NP	NaN	14	3.725	4.47	x^(1/3)	ShapiroWilk
Sulfide (mg/l)	**MW-201B (bg)**	**Yes**	**10,23.2**	**9/28/2020,3/...**	**NP**	**NaN**	**17**	**2.196**	**5.906**	**ln(x)**	**ShapiroWilk**
Sulfide (mg/l)	MW-300	No	n/a	n/a	NP	NaN	11	2.296	3.933	ln(x)	ShapiroWilk
Sulfide (mg/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	12	1.859	3.803	unknown	ShapiroWilk
Thallium (mg/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.000...	0.0004292	unknown	ShapiroWilk
Thallium (mg/l)	**MW-18**	**Yes**	**0.0129**	**10/19/2023**	**NP**	**NaN**	**18**	**0.000...**	**0.002996**	**ln(x)**	**ShapiroWilk**

Outlier Analysis

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/15/2023, 4:04 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Thallium (mg/l)	MW-19	No	n/a	n/a	NP	NaN	18	0.000...	0.000215	x^(1/3)	ShapiroWilk
Thallium (mg/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.000...	0.0002153	unknown	ShapiroWilk
Thallium (mg/l)	MW-201B (bg)	No	n/a	n/a	NP	NaN	18	0.000...	0.0002596	ln(x)	ShapiroWilk
Thallium (mg/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.000...	0.0002157	unknown	ShapiroWilk
Thallium (mg/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.000...	0.0002116	unknown	ShapiroWilk
Thallium (mg/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.000...	0.0002265	unknown	ShapiroWilk
Thallium (mg/l)	MW-300	No	n/a	n/a	NP	NaN	18	0.000...	0.0003075	ln(x)	ShapiroWilk
Thallium (mg/l)	MW-301	No	n/a	n/a	NP	NaN	18	0.000...	0.002994	ln(x)	ShapiroWilk
Thallium (mg/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.000...	0.0002131	unknown	ShapiroWilk
Thallium (mg/l)	MW-303	No	n/a	n/a	NP	NaN	20	0.000...	0.0004091	ln(x)	ShapiroWilk
Thallium (mg/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.000...	0.0002599	unknown	ShapiroWilk
Thallium (mg/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.000277	0.0003029	unknown	ShapiroWilk
Thallium (mg/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.00026	0	unknown	ShapiroWilk
Thallium (mg/l)	**MW-9AR (bg)**	**Yes**	**0.00057**	**5/14/2019**	**NP**	**NaN**	**14**	**0.000...**	**0.0000...**	**ln(x)**	**ShapiroWilk**
Tin (mg/l)	MW-201B (bg)	No	n/a	n/a	NP	NaN	4	0.02606	0.04929	ln(x)	ShapiroWilk
Tin (mg/l)	MW-301	n/a	n/a	n/a	NP	NaN	11	0.08591	0.2492	unknown	ShapiroWilk
Vanadium (mg/l)	MW-15	No	n/a	n/a	NP	NaN	19	0.001761	0.001086	x^(1/3)	ShapiroWilk
Vanadium (mg/l)	MW-18	No	n/a	n/a	NP	NaN	18	0.001056	0.001017	ln(x)	ShapiroWilk
Vanadium (mg/l)	MW-19	No	n/a	n/a	NP	NaN	18	0.001045	0.001023	ln(x)	ShapiroWilk
Vanadium (mg/l)	MW-20	No	n/a	n/a	NP	NaN	18	0.003668	0.0008682	sqrt(x)	ShapiroWilk
Vanadium (mg/l)	MW-201B (bg)	No	n/a	n/a	NP	NaN	18	0.001724	0.001911	ln(x)	ShapiroWilk
Vanadium (mg/l)	**MW-22**	**Yes**	**0.005,0...**	**4/22/2015,10...**	**NP**	**NaN**	**18**	**0.001074**	**0.001011**	**ln(x)**	**ShapiroWilk**
Vanadium (mg/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.001296	0.001129	unknown	ShapiroWilk
Vanadium (mg/l)	MW-26A	n/a	n/a	n/a	NP	NaN	14	0.001042	0.0005409	unknown	ShapiroWilk
Vanadium (mg/l)	MW-300	No	n/a	n/a	NP	NaN	18	0.001042	0.001027	ln(x)	ShapiroWilk
Vanadium (mg/l)	MW-301	No	n/a	n/a	NP	NaN	18	0.001098	0.001029	ln(x)	ShapiroWilk
Vanadium (mg/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.001212	0.001012	unknown	ShapiroWilk
Vanadium (mg/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.001497	0.001761	unknown	ShapiroWilk
Vanadium (mg/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.001215	0.00104	unknown	ShapiroWilk
Vanadium (mg/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.001112	0.0008345	unknown	ShapiroWilk
Vanadium (mg/l)	**MW-501**	**Yes**	**0.00331**	**2/22/2022**	**NP**	**NaN**	**8**	**0.001407**	**0.0007737**	**ln(x)**	**ShapiroWilk**
Vanadium (mg/l)	MW-9AR (bg)	No	n/a	n/a	NP	NaN	14	0.000...	0.0004098	ln(x)	ShapiroWilk
Zinc (mg/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.009966	0.002005	unknown	ShapiroWilk
Zinc (mg/l)	**MW-18**	**Yes**	**0.0939**	**10/5/2017**	**NP**	**NaN**	**18**	**0.01542**	**0.01981**	**ln(x)**	**ShapiroWilk**
Zinc (mg/l)	**MW-19**	**Yes**	**0.00695...**	**10/12/2015,4...**	**NP**	**NaN**	**18**	**0.011**	**0.006546**	**ln(x)**	**ShapiroWilk**
Zinc (mg/l)	**MW-20**	**Yes**	**0.0781**	**10/31/2018**	**NP**	**NaN**	**18**	**0.01417**	**0.01699**	**ln(x)**	**ShapiroWilk**
Zinc (mg/l)	**MW-201B (bg)**	**Yes**	**0.00521...**	**4/5/2016,10/...**	**NP**	**NaN**	**18**	**0.01141**	**0.005077**	**ln(x)**	**ShapiroWilk**
Zinc (mg/l)	**MW-22**	**Yes**	**0.00521...**	**10/12/2015,4...**	**NP**	**NaN**	**18**	**0.03196**	**0.09363**	**ln(x)**	**ShapiroWilk**
Zinc (mg/l)	MW-24	No	n/a	n/a	NP	NaN	19	0.009368	0.001791	x^3	ShapiroWilk
Zinc (mg/l)	MW-26A	No	n/a	n/a	NP	NaN	14	0.009166	0.001988	x^5	ShapiroWilk
Zinc (mg/l)	MW-300	No	n/a	n/a	NP	NaN	18	0.008862	0.002128	x^4	ShapiroWilk
Zinc (mg/l)	**MW-301**	**Yes**	**0.278**	**11/4/2016**	**NP**	**NaN**	**18**	**0.02412**	**0.06339**	**ln(x)**	**ShapiroWilk**
Zinc (mg/l)	**MW-302R**	**Yes**	**0.0174**	**4/21/2015**	**NP**	**NaN**	**19**	**0.01009**	**0.002938**	**normal**	**ShapiroWilk**
Zinc (mg/l)	**MW-303**	**Yes**	**0.00521...**	**4/7/2016,4/2...**	**NP**	**NaN**	**20**	**0.0123**	**0.01369**	**ln(x)**	**ShapiroWilk**
Zinc (mg/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.009174	0.001883	unknown	ShapiroWilk
Zinc (mg/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.008946	0.002225	unknown	ShapiroWilk
Zinc (mg/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.009785	0.0004795	unknown	ShapiroWilk
Zinc (mg/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.0102	0.003105	unknown	ShapiroWilk

Flagged_Outliers

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/15/2023, 5:32 PM

	MW-20 Antimony (mg/l)	MW-22 Arsenic (mg/l)	MW-24 Arsenic (mg/l)	MW-303 Arsenic (mg/l)	MW-20 Barium (mg/l)	MW-304R Barium (mg/l)	MW-18 Beryllium (mg/l)	MW-20 Beryllium (mg/l)	MW-300 Beryllium (mg/l)	MW-301 Beryllium (mg/l)
4/15/2015			<0.002 (o)							
4/16/2015							<0.001 (o)			
4/21/2015										
4/22/2015		0.00224 (o)								
4/23/2015								<0.001 (o)		<0.001 (o)
10/8/2015										
10/9/2015										
10/12/2015								0.000163 (JBo)		
10/13/2015										
4/5/2016										
4/7/2016										
4/8/2016										
4/9/2016										
10/31/2016										
11/1/2016										
11/2/2016										
11/3/2016										
11/4/2016										
11/5/2016										
10/3/2017										
10/4/2017										
10/5/2017										
4/18/2018										
4/19/2018										
4/20/2018										
7/17/2018										
10/31/2018	0.0579 (o)				0.0446 (o)					
11/1/2018		0.00569 (o)								
5/14/2019										
10/28/2019										
10/29/2019										
3/31/2020										
4/1/2020										
9/28/2020										
9/29/2020						0.206 (o)			0.00108 (o)	
9/30/2020										
3/30/2021										
4/1/2021										
5/6/2021				0.00492 (o)						
10/19/2021										
10/20/2021										
12/2/2021										
2/22/2022										
4/26/2022										
4/18/2023										
4/19/2023										
10/19/2023										

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Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/15/2023, 5:32 PM

	MW-303 Beryllium (mg/l)	MW-501 Beryllium (mg/l)	MW-9AR Beryllium (mg/l)	MW-15 Cadmium (mg/l)	MW-20 Cadmium (mg/l)	MW-201B Cadmium (mg/l)	MW-22 Cadmium (mg/l)	MW-301 Cadmium (mg/l)	MW-304R Cadmium (mg/l)	MW-305 Cadmium (mg/l)
4/15/2015	<0.001 (o)									<0.0005 (o)
4/16/2015										
4/21/2015										
4/22/2015						<0.0005 (o)	<0.0005 (o)			
4/23/2015					<0.0005 (o)			<0.0005 (o)		
10/8/2015										
10/9/2015										
10/12/2015										
10/13/2015										
4/5/2016										
4/7/2016										
4/8/2016										
4/9/2016										
10/31/2016										
11/1/2016										
11/2/2016										
11/3/2016										
11/4/2016										
11/5/2016										
10/3/2017										
10/4/2017										
10/5/2017										
4/18/2018										
4/19/2018										
4/20/2018										
7/17/2018										
10/31/2018										
11/1/2018										
5/14/2019			<0.00053 (o)							
10/28/2019										
10/29/2019										
3/31/2020				0.000209 (o)						
4/1/2020										
9/28/2020										
9/29/2020										
9/30/2020										
3/30/2021										
4/1/2021									0.000127 (o)	
5/6/2021										
10/19/2021										
10/20/2021										
12/2/2021	<0.001 (o)									
2/22/2022										
4/26/2022	<0.00189 (o)									
4/18/2023		<0.00033 (o)								
4/19/2023										
10/19/2023										

Flagged_Outliers

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/15/2023, 5:32 PM

	MW-9AR Cadmium (mg/l)	MW-15 Chromium (mg/l)	MW-18 Chromium (mg/l)	MW-19 Chromium (mg/l)	MW-20 Chromium (mg/l)	MW-24 Chromium (mg/l)	MW-26A Chromium (mg/l)	MW-301 Chromium (mg/l)	MW-303 Chromium (mg/l)	MW-304R Chromium (mg/l)
4/15/2015						<0.005 (o)	<0.005 (o)		<0.005 (o)	<0.005 (o)
4/16/2015			<0.005 (o)							
4/21/2015										
4/22/2015				<0.005 (o)						
4/23/2015		<0.005 (o)						<0.005 (o)		
10/8/2015										
10/9/2015										
10/12/2015										
10/13/2015										
4/5/2016										
4/7/2016										
4/8/2016										
4/9/2016										
10/31/2016										
11/1/2016										
11/2/2016				<0.000355 (o)						
11/3/2016										
11/4/2016										0.00174 (Jo)
11/5/2016										
10/3/2017										
10/4/2017										
10/5/2017										
4/18/2018				0.00316 (Jo)						
4/19/2018										
4/20/2018										
7/17/2018										
10/31/2018					0.0269 (o)					
11/1/2018										
5/14/2019	<0.000167 (o)									
10/28/2019										
10/29/2019										
3/31/2020										
4/1/2020										
9/28/2020										
9/29/2020										
9/30/2020										
3/30/2021										
4/1/2021										
5/6/2021										
10/19/2021										
10/20/2021										
12/2/2021										
2/22/2022										
4/26/2022									<0.0077 (o)	
4/18/2023										
4/19/2023										
10/19/2023										

Flagged_Outliers

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/15/2023, 5:32 PM

	MW-22 Cobalt (mg/l)	MW-305 Cobalt (mg/l)	MW-15 Copper (mg/l)	MW-20 Copper (mg/l)	MW-22 Copper (mg/l)	MW-301 Copper (mg/l)	MW-9AR Copper (mg/l)	MW-20 Lead (mg/l)	MW-24 Lead (mg/l)	MW-300 Lead (mg/l)
4/15/2015										
4/16/2015										
4/21/2015										
4/22/2015										
4/23/2015			<0.002 (o)							
10/8/2015										
10/9/2015										
10/12/2015										
10/13/2015										
4/5/2016										
4/7/2016										
4/8/2016										
4/9/2016					0.0128 (o)					
10/31/2016										
11/1/2016		0.00726 (o)							0.000966 (o)	
11/2/2016										
11/3/2016										
11/4/2016						0.00297 (Jo)				
11/5/2016										
10/3/2017										
10/4/2017						0.00329 (Jo)				
10/5/2017										
4/18/2018										
4/19/2018	0.000779 (o)									
4/20/2018										
7/17/2018										
10/31/2018				0.0704 (o)				0.000457 (Jo)		
11/1/2018					0.0103 (o)					
5/14/2019							<0.000497 (o)			
10/28/2019										
10/29/2019										
3/31/2020										
4/1/2020							0.00386 (Jo)			
9/28/2020										
9/29/2020										
9/30/2020										
3/30/2021										
4/1/2021										
5/6/2021										
10/19/2021										0.000704 (o)
10/20/2021										
12/2/2021										
2/22/2022										
4/26/2022										
4/18/2023										
4/19/2023										
10/19/2023										

Flagged_Outliers

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/15/2023, 5:32 PM

	MW-301 Lead (mg/l)	MW-22 Nickel (mg/l)	MW-9AR Nickel (mg/l)	MW-15 Selenium (mg/l)	MW-18 Selenium (mg/l)	MW-19 Selenium (mg/l)	MW-20 Selenium (mg/l)	MW-201B Selenium (mg/l)	MW-22 Selenium (mg/l)	MW-24 Selenium (mg/l)
4/15/2015										<0.005 (o)
4/16/2015					<0.005 (o)					
4/21/2015										
4/22/2015						<0.005 (o)		<0.005 (o)	<0.005 (o)	
4/23/2015				<0.005 (o)			<0.005 (o)			
10/8/2015								<0.00334 (o)		
10/9/2015										<0.0034 (o)
10/12/2015				<0.00334 (o)		<0.00334 (o)	<0.00334 (o)			
10/13/2015					<0.00334 (o)					
4/5/2016								<0.00063 (o)		
4/7/2016										
4/8/2016										
4/9/2016		0.0486 (o)								
10/31/2016								<0.00063 (o)		
11/1/2016										
11/2/2016										
11/3/2016										
11/4/2016	0.000493 (JBo)									
11/5/2016										
10/3/2017									<0.00186 (o)	
10/4/2017	0.000414 (Jo)									
10/5/2017										
4/18/2018										
4/19/2018										
4/20/2018										
7/17/2018			0.00295 (Jo)							
10/31/2018										
11/1/2018										
5/14/2019										
10/28/2019										
10/29/2019										
3/31/2020				0.00213 (Jo)						
4/1/2020										
9/28/2020										
9/29/2020										
9/30/2020										
3/30/2021										
4/1/2021										
5/6/2021										
10/19/2021										
10/20/2021										
12/2/2021										
2/22/2022										
4/26/2022										
4/18/2023										
4/19/2023										
10/19/2023			0.00257 (Jo)							

Flagged_Outliers

	MW-300 Selenium (mg/l)	MW-301 Selenium (mg/l)	MW-302R Selenium (mg/l)	MW-303 Selenium (mg/l)	MW-304R Selenium (mg/l)	MW-201B Sulfide (mg/l)	MW-201B Thallium (mg/l)	MW-9AR Thallium (mg/l)	MW-201B Tin (mg/l)	MW-22 Vanadium (mg/l)
4/15/2015					<0.005 (o)					
4/16/2015	<0.005 (o)									
4/21/2015			<0.005 (o)							
4/22/2015									<0.1 (o)	<0.005 (o)
4/23/2015										
10/8/2015										
10/9/2015					<0.00334 (o)					
10/12/2015										
10/13/2015			<0.00063 (o)							
4/5/2016										
4/7/2016										
4/8/2016										
4/9/2016										
10/31/2016										
11/1/2016			<0.00063 (o)							
11/2/2016										
11/3/2016										
11/4/2016										
11/5/2016										
10/3/2017										
10/4/2017										
10/5/2017										
4/18/2018										
4/19/2018										
4/20/2018										
7/17/2018										
10/31/2018										
11/1/2018										
5/14/2019								<0.00057 (o)		
10/28/2019										
10/29/2019										
3/31/2020										
4/1/2020										
9/28/2020						<10 (o)				
9/29/2020										
9/30/2020										
3/30/2021						23.2 (o)	0.000968 (Jo)			
4/1/2021										
5/6/2021										
10/19/2021										
10/20/2021										
12/2/2021										
2/22/2022										
4/26/2022				<0.00672 (o)						
4/18/2023										
4/19/2023										
10/19/2023		0.00219 (Jo)								

Flagged_Outliers

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/15/2023, 5:32 PM

	MW-24 Vanadium (mg/l)	MW-26A Vanadium (mg/l)	MW-303 Vanadium (mg/l)	MW-304R Vanadium (mg/l)	MW-501 Vanadium (mg/l)	MW-15 Zinc (mg/l)	MW-18 Zinc (mg/l)	MW-19 Zinc (mg/l)	MW-20 Zinc (mg/l)	MW-201B Zinc (mg/l)
4/15/2015	<0.005 (o)		<0.005 (o)	<0.005 (o)						
4/16/2015										
4/21/2015										
4/22/2015										
4/23/2015										
10/8/2015										
10/9/2015										
10/12/2015						<0.00695 (o)				
10/13/2015										
4/5/2016										<0.00521 (o)
4/7/2016				0.000279 (Jo)						
4/8/2016										
4/9/2016						<0.00521 (o)				
10/31/2016										<0.00521 (o)
11/1/2016	0.00382 (o)	0.00283 (Bo)								
11/2/2016								0.0364 (o)		
11/3/2016						0.0137 (o)				
11/4/2016				0.00231 (Jo)						
11/5/2016			0.00237 (Jo)							
10/3/2017										
10/4/2017										
10/5/2017							0.0939 (o)			
4/18/2018										
4/19/2018										
4/20/2018										
7/17/2018										
10/31/2018									0.0781 (o)	
11/1/2018										
5/14/2019				<0.00215 (o)						
10/28/2019										0.019 (Jo)
10/29/2019										
3/31/2020										
4/1/2020										
9/28/2020										
9/29/2020										
9/30/2020									0.0325 (o)	
3/30/2021										
4/1/2021										
5/6/2021										
10/19/2021										
10/20/2021										0.0273 (o)
12/2/2021										
2/22/2022					0.00331 (Jo)					
4/26/2022			<0.0077 (o)							
4/18/2023										
4/19/2023						<0.0064 (o)		<0.0064 (o)		
10/19/2023										

Flagged_Outliers

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/15/2023, 5:32 PM

	MW-22 Zinc (mg/l)	MW-24 Zinc (mg/l)	MW-300 Zinc (mg/l)	MW-301 Zinc (mg/l)	MW-302R Zinc (mg/l)	MW-303 Zinc (mg/l)	MW-304R Zinc (mg/l)	MW-305 Zinc (mg/l)
4/15/2015								0.00705 (Jo)
4/16/2015			0.00736 (Jo)					
4/21/2015					0.0174 (o)			
4/22/2015								
4/23/2015								
10/8/2015								
10/9/2015		<0.00695 (o)					0.0101 (o)	
10/12/2015								
10/13/2015			<0.00521 (o)		<0.00521 (o)			<0.00521 (o)
4/5/2016								
4/7/2016		<0.00521 (o)					<0.00521 (o)	<0.00521 (o)
4/8/2016					<0.00521 (o)			
4/9/2016			<0.00521 (o)					
10/31/2016								
11/1/2016		0.00796 (Jo)						<0.00521 (o)
11/2/2016								
11/3/2016								
11/4/2016	0.407 (o)			0.278 (o)				
11/5/2016								
10/3/2017								
10/4/2017								
10/5/2017								
4/18/2018								
4/19/2018								
4/20/2018					0.013 (Jo)			
7/17/2018								
10/31/2018								
11/1/2018								
5/14/2019							<0.00692 (o)	
10/28/2019								
10/29/2019					0.0138 (Jo)			
3/31/2020								
4/1/2020								
9/28/2020								
9/29/2020								
9/30/2020								
3/30/2021								
4/1/2021								
5/6/2021								
10/19/2021								
10/20/2021								
12/2/2021								
2/22/2022								
4/26/2022						<0.07 (o)		
4/18/2023								
4/19/2023	<0.0064 (o)							
10/19/2023								

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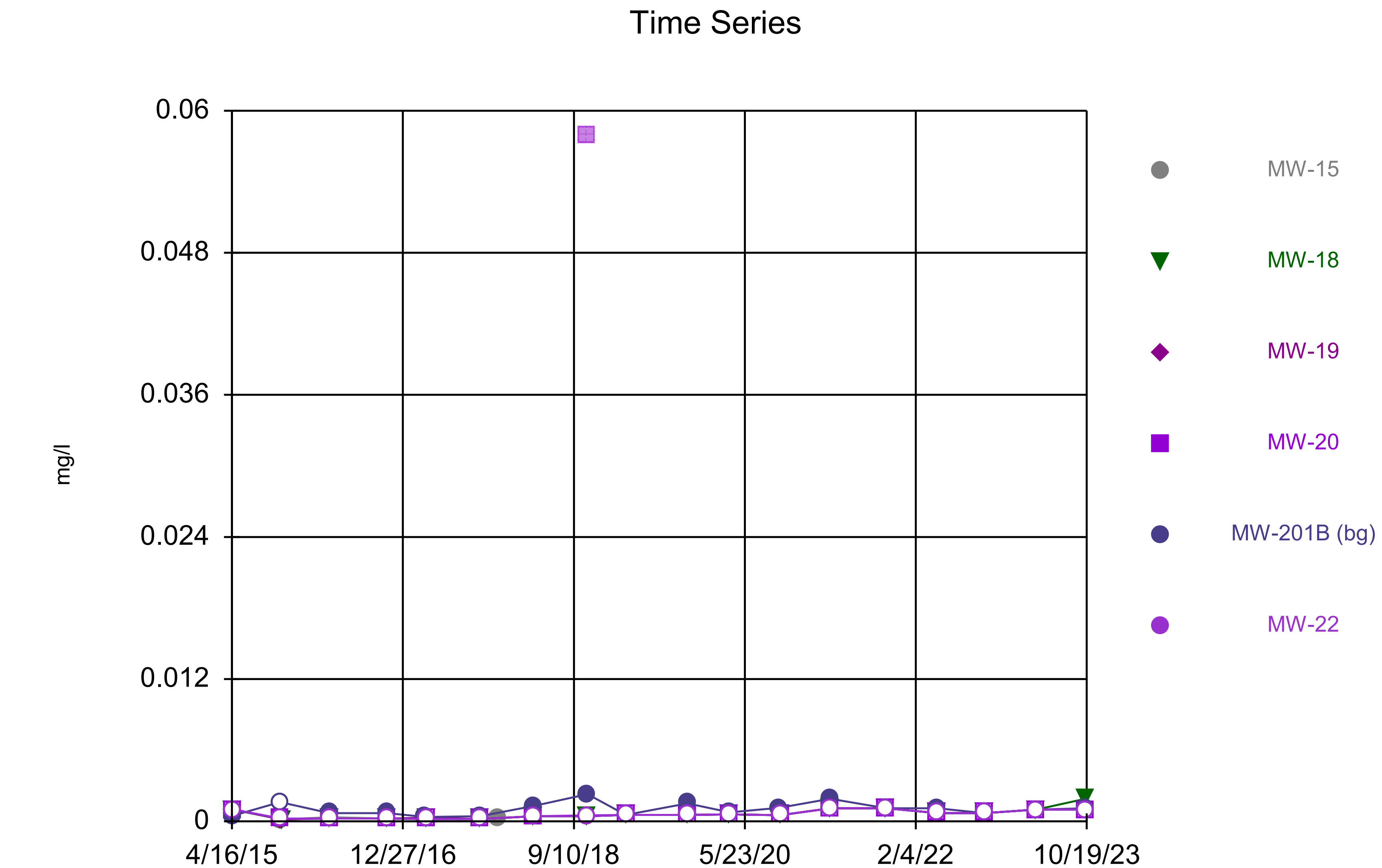
Hollow symbols indicate censored values.



Constituent: Antimony Analysis Run 11/15/2023 5:27 PM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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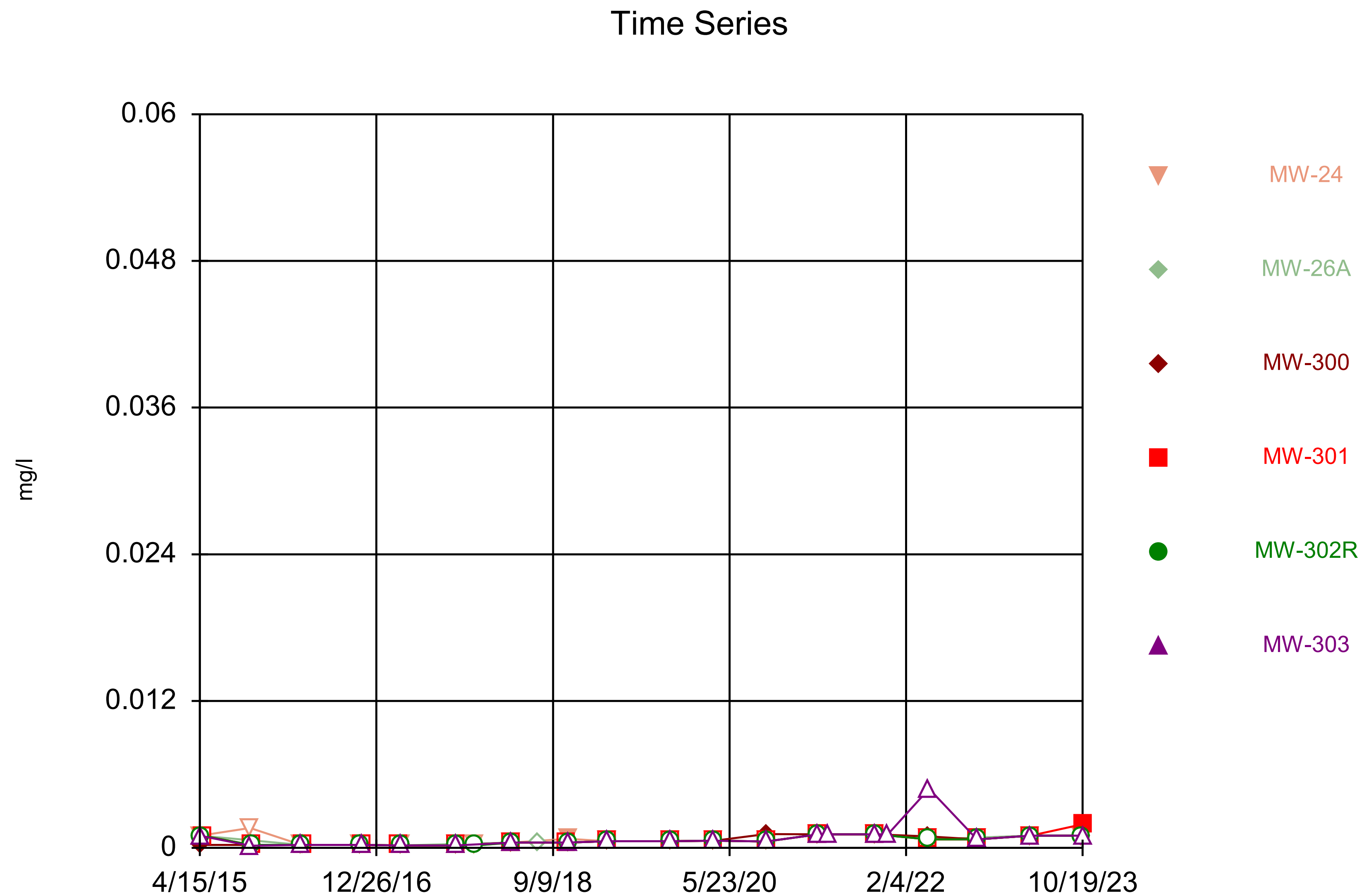
Hollow symbols indicate censored values.



Constituent: Antimony Analysis Run 11/15/2023 5:27 PM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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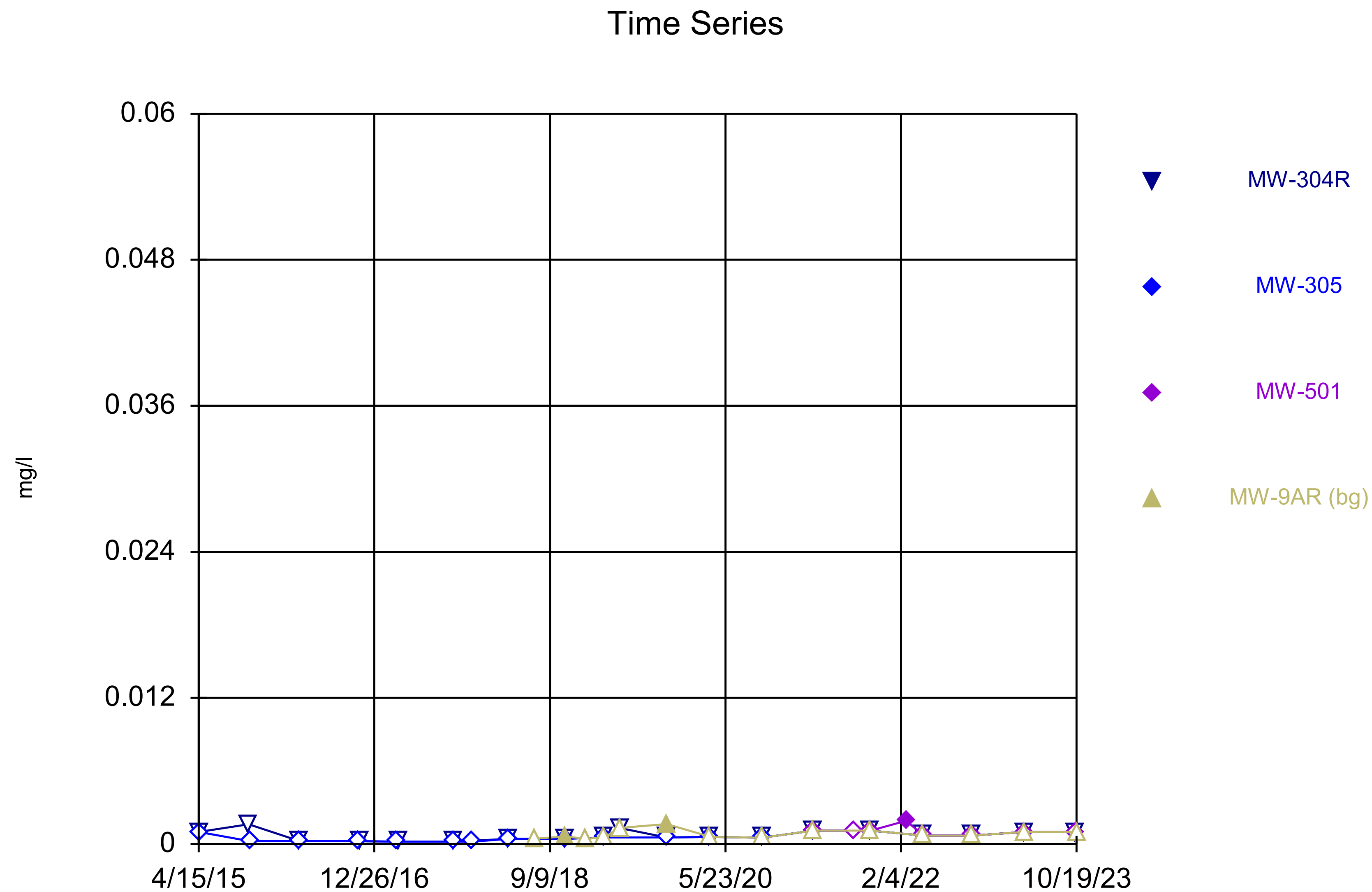
Hollow symbols indicate censored values.



Constituent: Antimony Analysis Run 11/15/2023 5:27 PM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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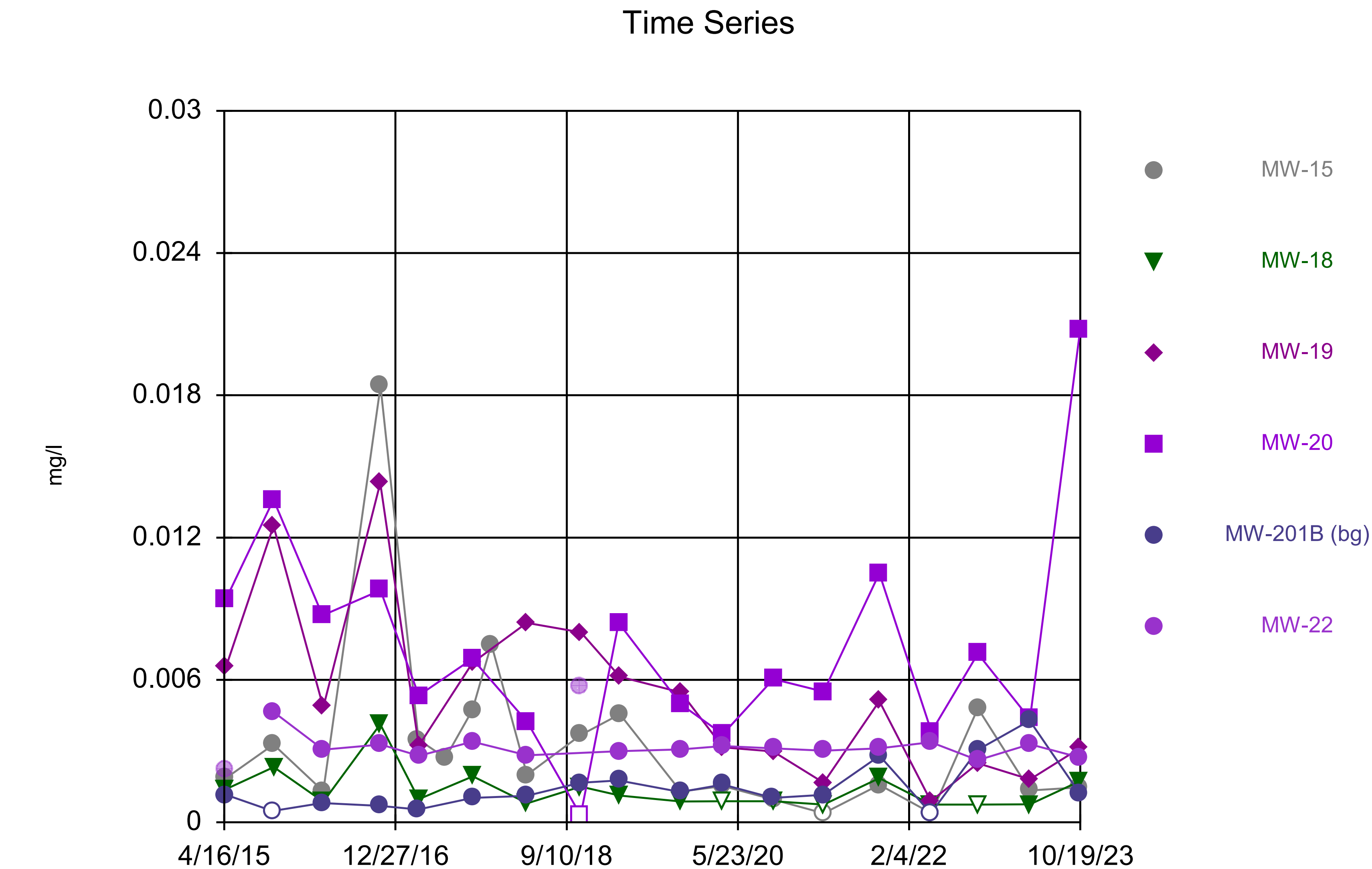
Hollow symbols indicate censored values.



Constituent: Arsenic Analysis Run 11/15/2023 5:27 PM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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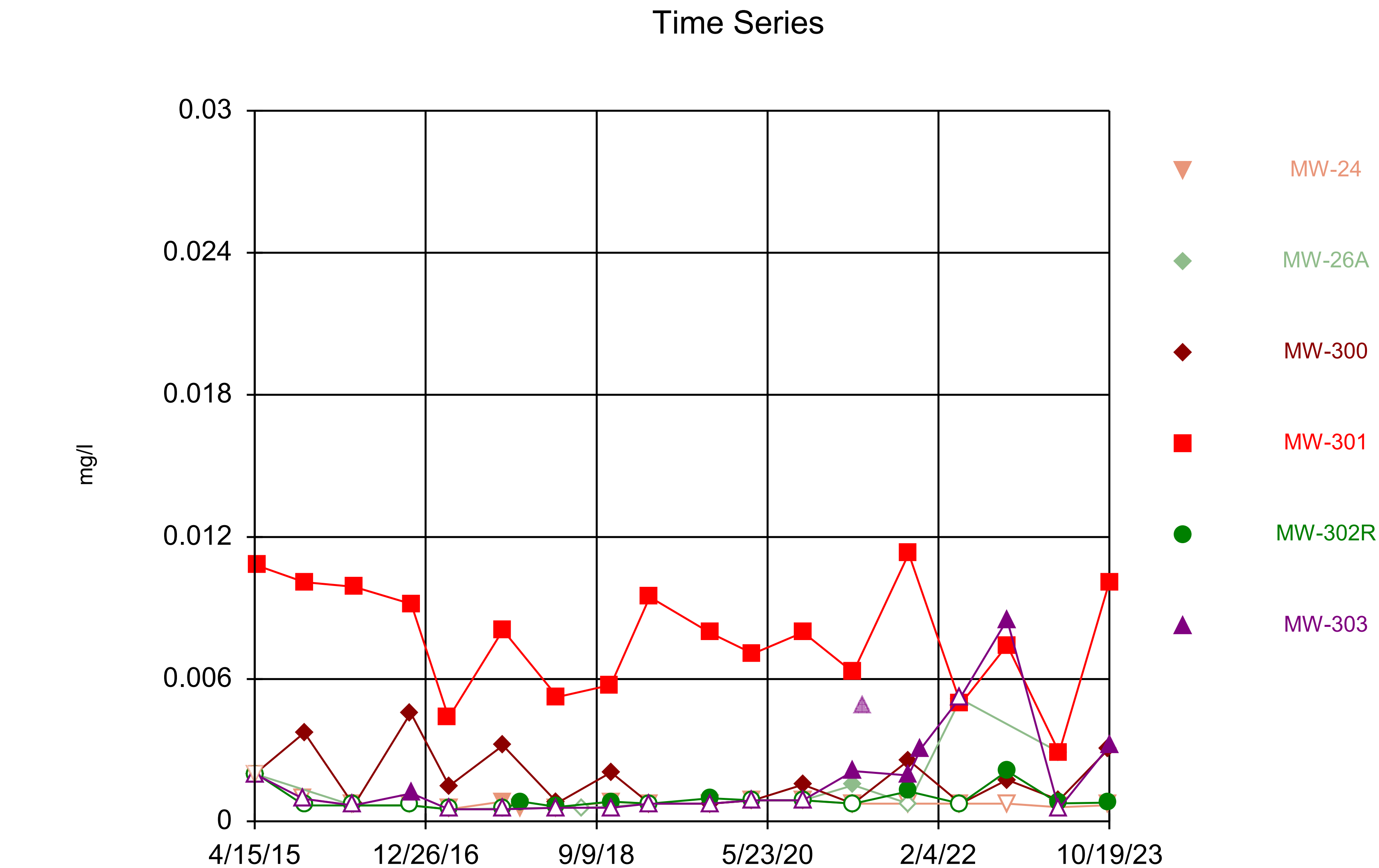
Hollow symbols indicate censored values.



Constituent: Arsenic   Analysis Run 11/15/2023 5:27 PM   View: App I_Metals
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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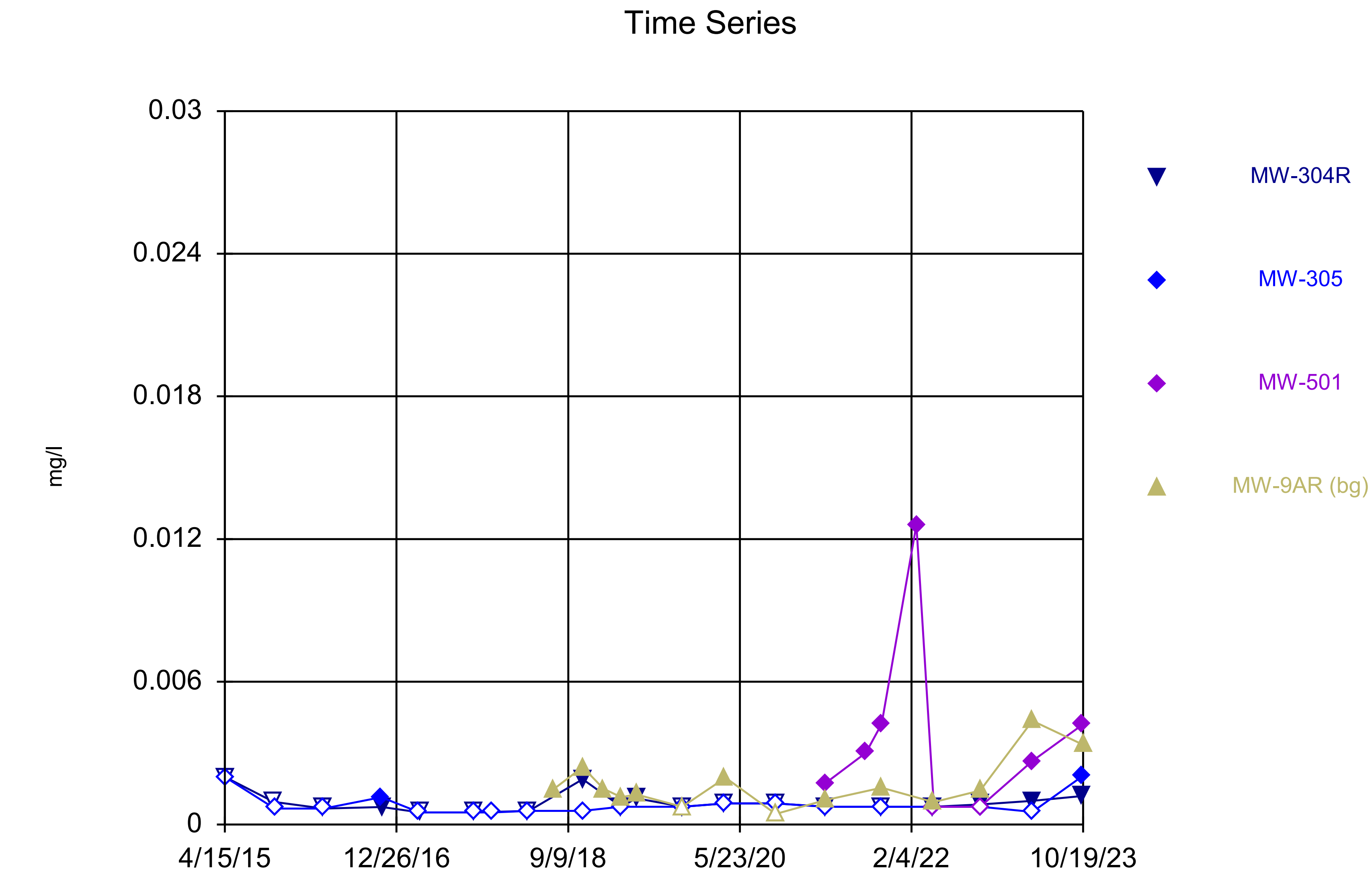
Hollow symbols indicate censored values.



Constituent: Arsenic Analysis Run 11/15/2023 5:27 PM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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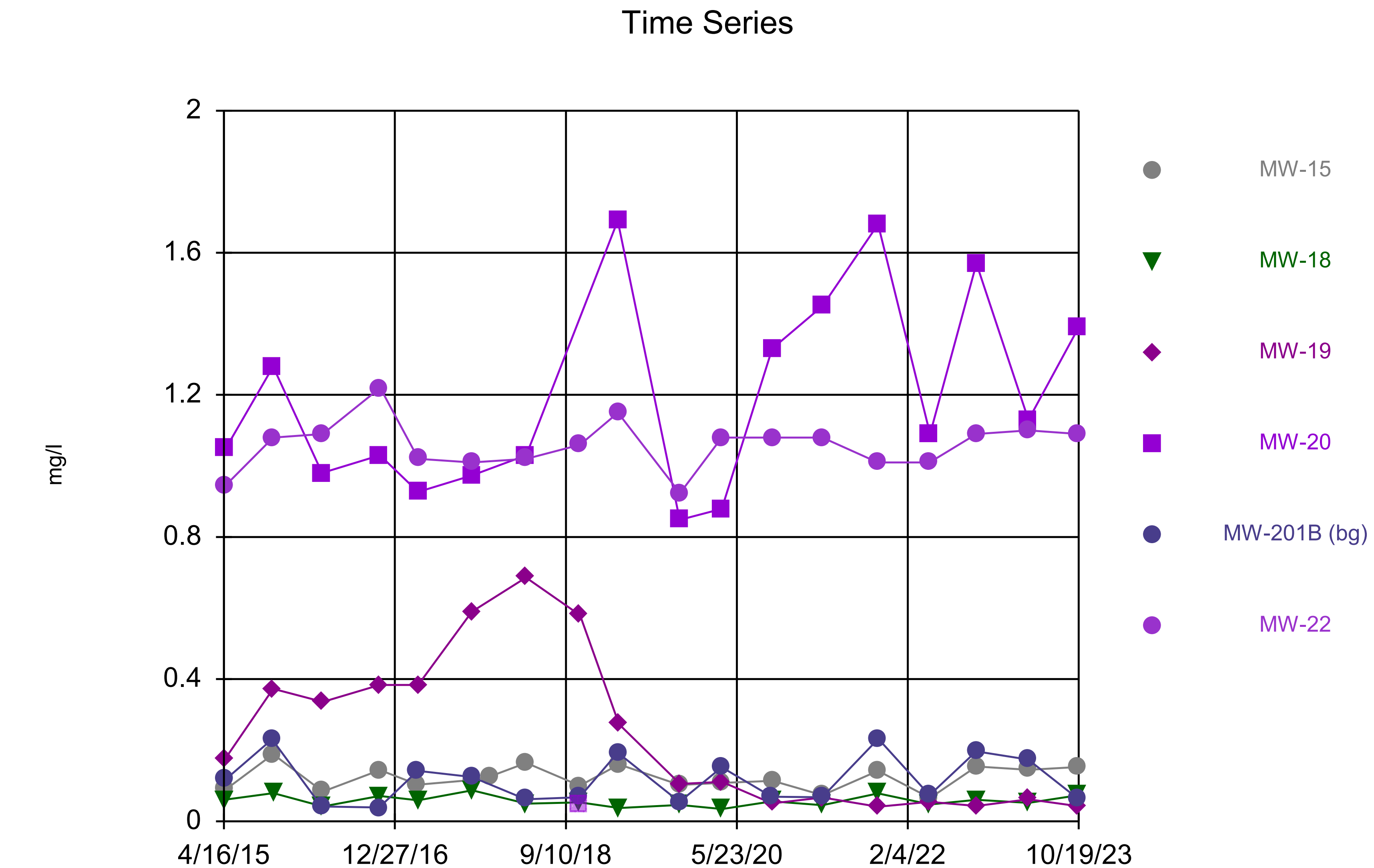

Constituent: Barium Analysis Run 11/15/2023 5:27 PM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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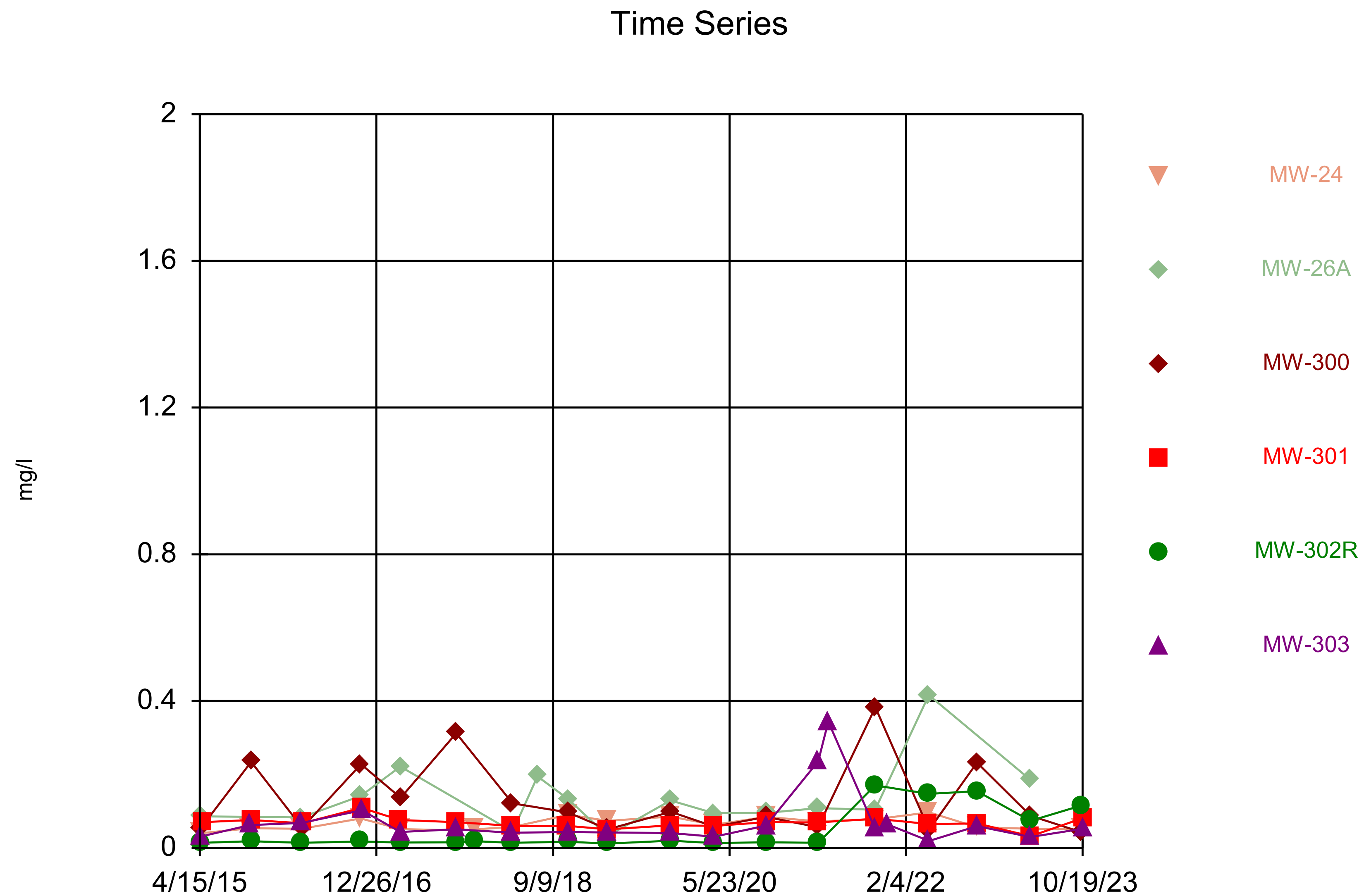

Constituent: Barium   Analysis Run 11/15/2023 5:27 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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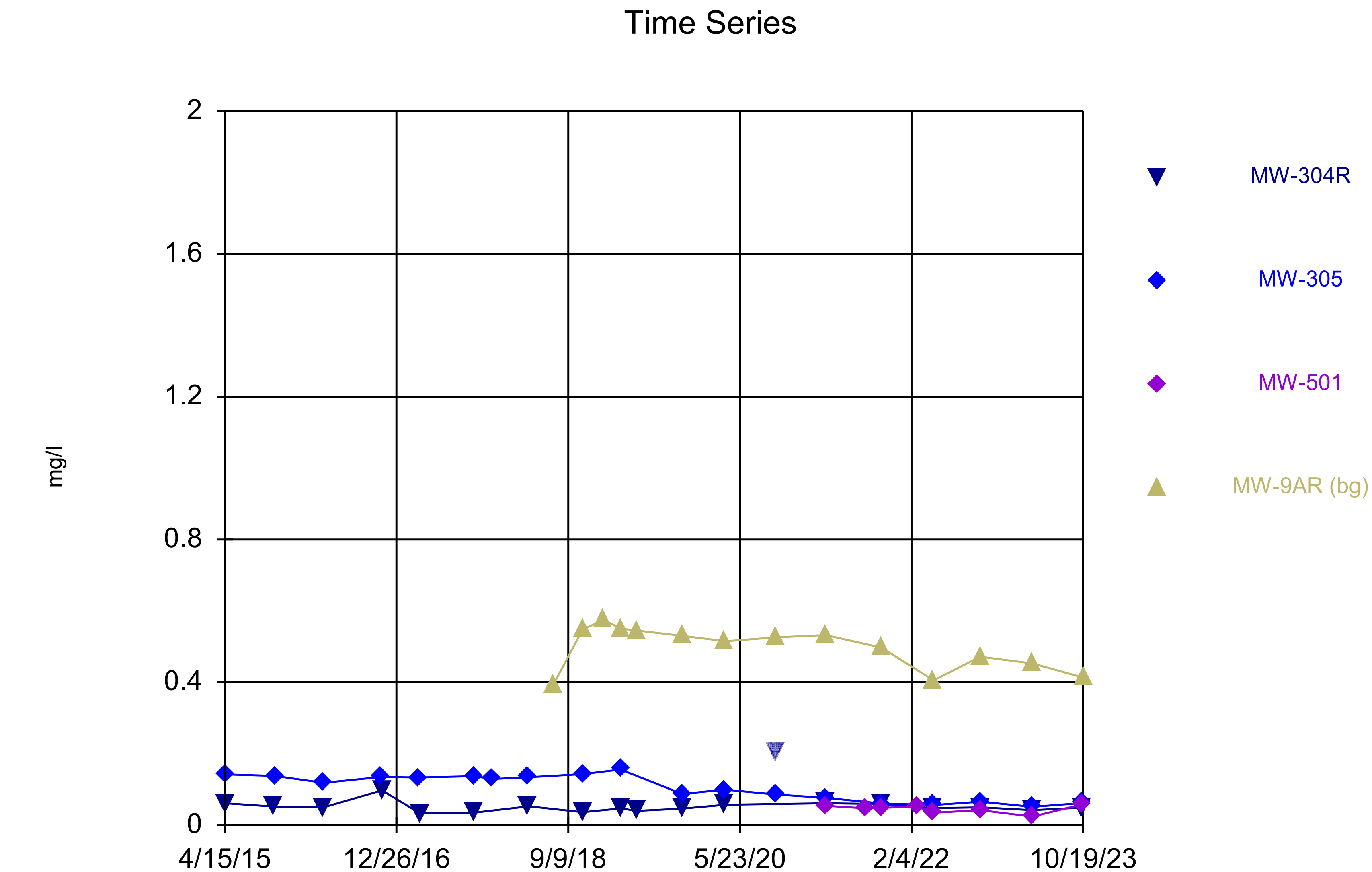

Constituent: Barium   Analysis Run 11/15/2023 5:27 PM   View: App I_Metals
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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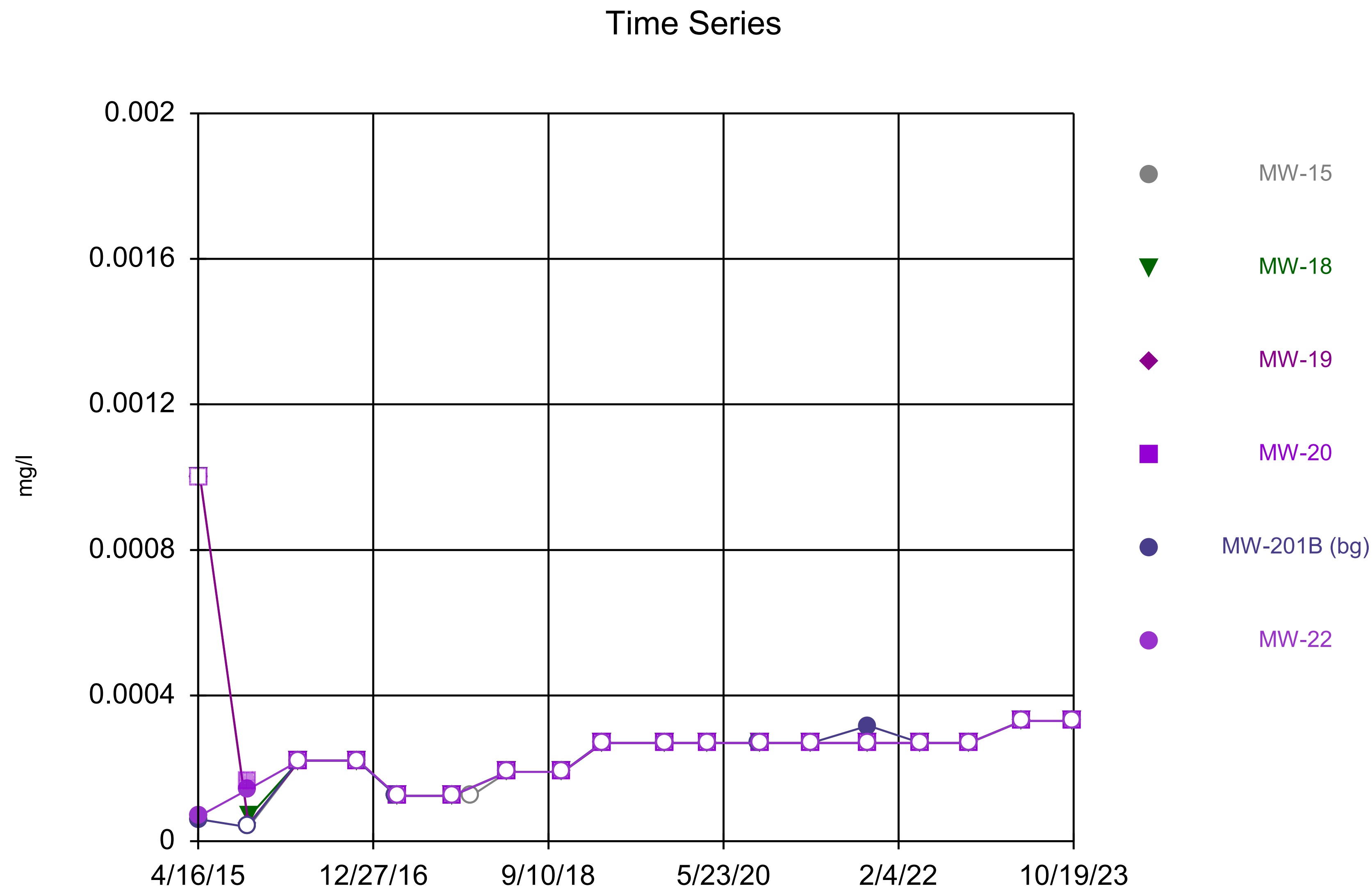
Hollow symbols indicate censored values.



Constituent: Beryllium   Analysis Run 11/15/2023 5:27 PM   View: App I_Metals
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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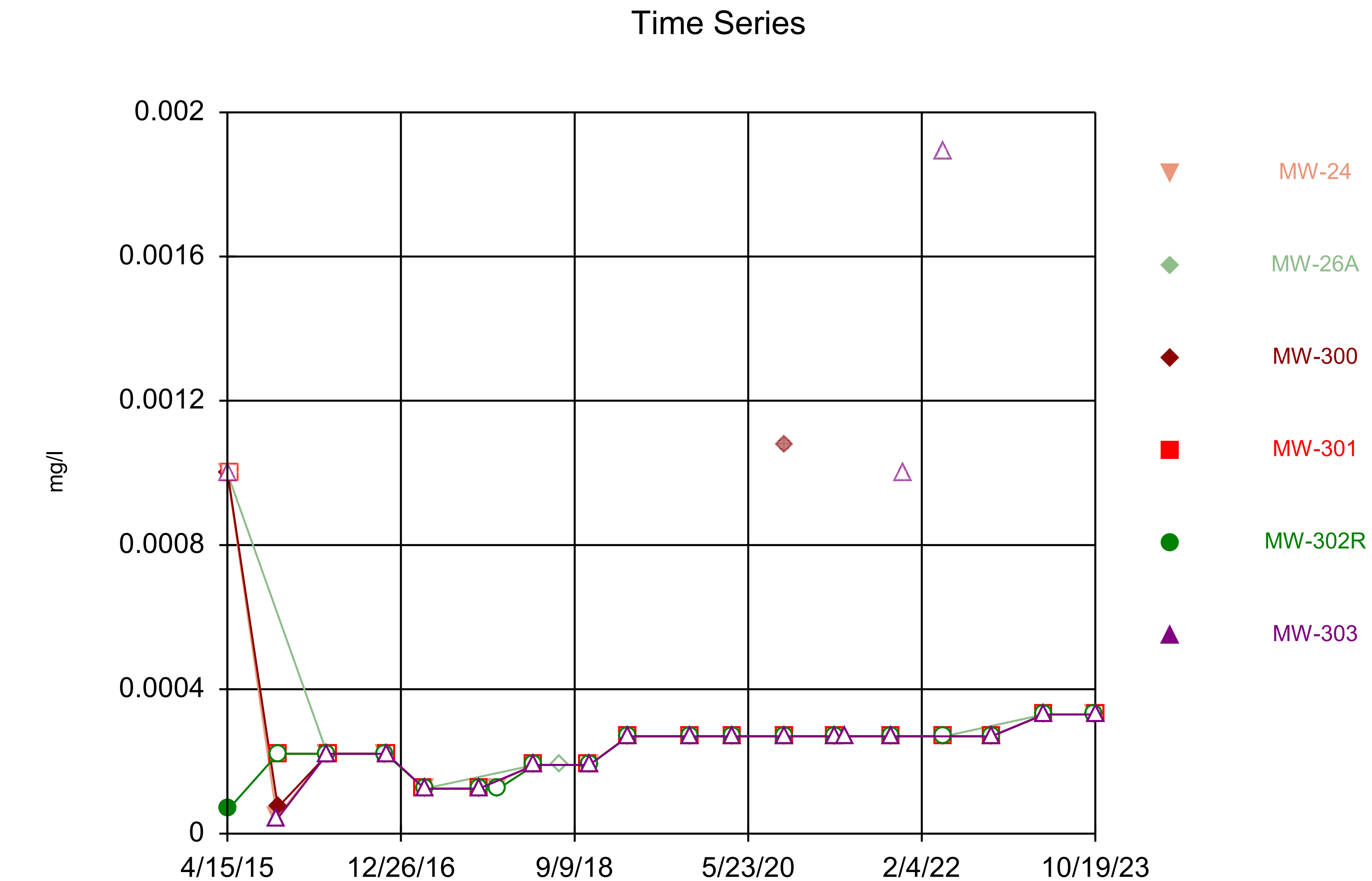
Hollow symbols indicate censored values.



Constituent: Beryllium Analysis Run 11/15/2023 5:27 PM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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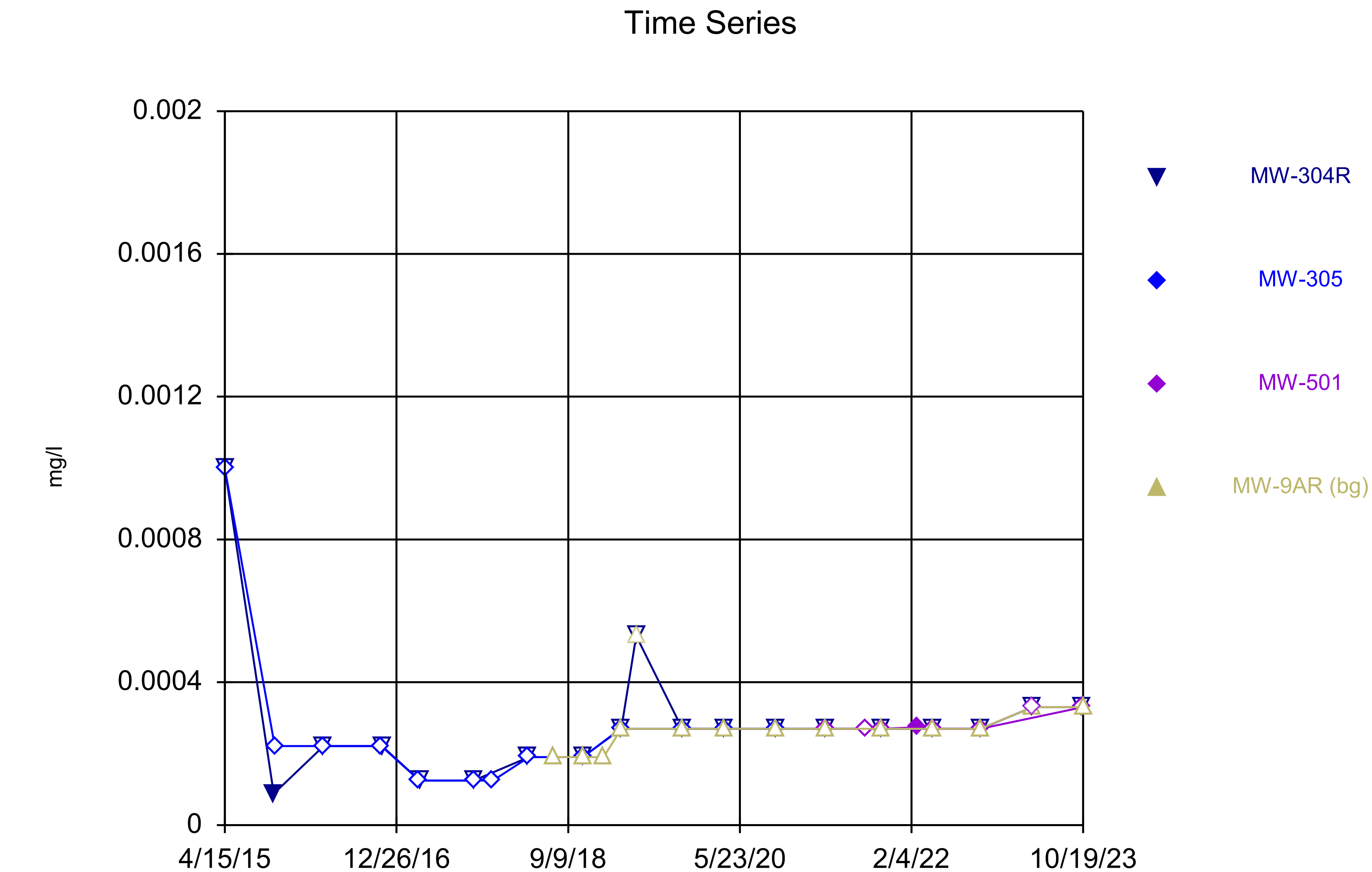
Hollow symbols indicate censored values.



Constituent: Beryllium   Analysis Run 11/15/2023 5:27 PM   View: App I_Metals
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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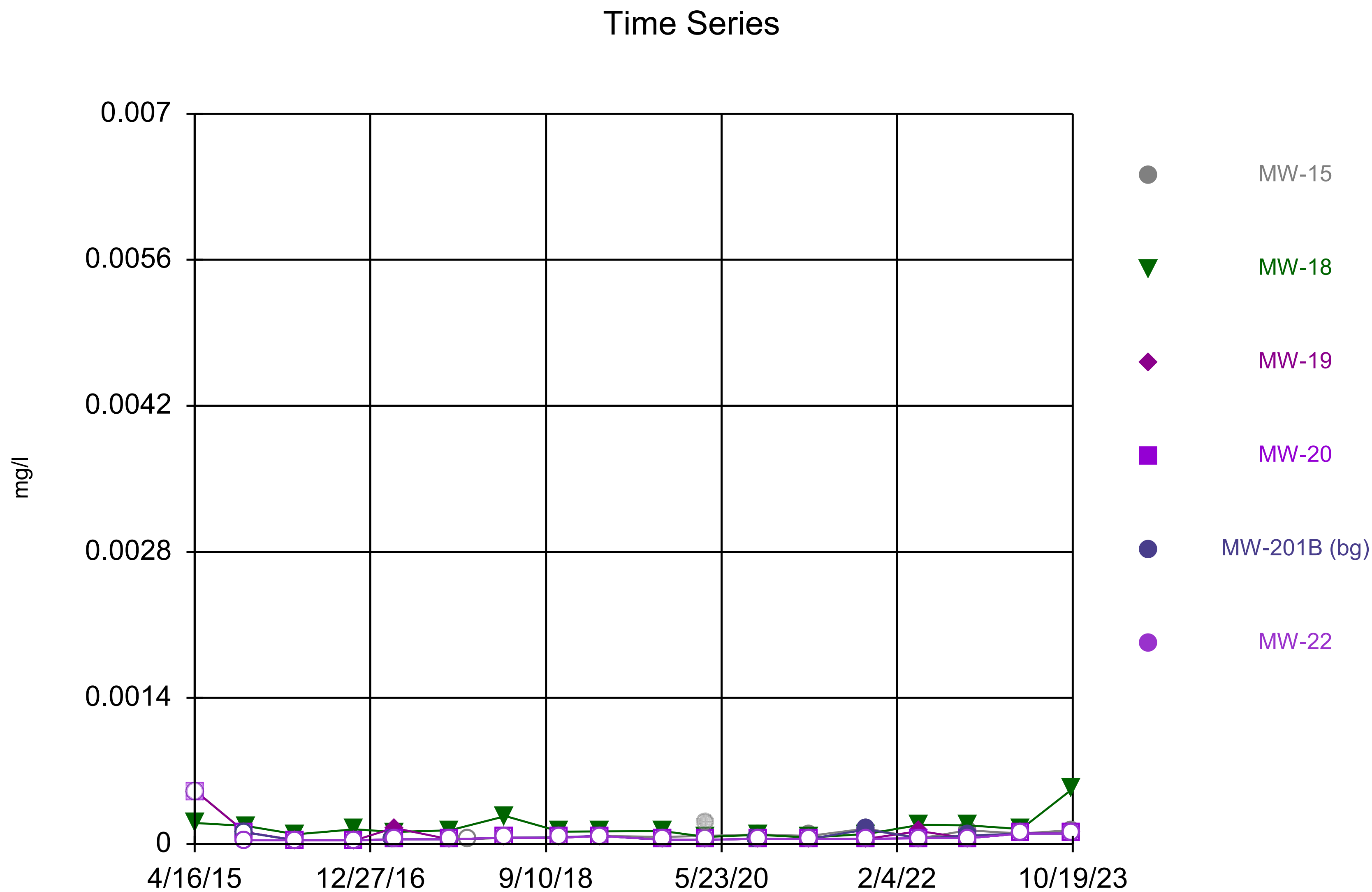
Hollow symbols indicate censored values.



Constituent: Cadmium   Analysis Run 11/15/2023 5:27 PM   View: App I_Metals
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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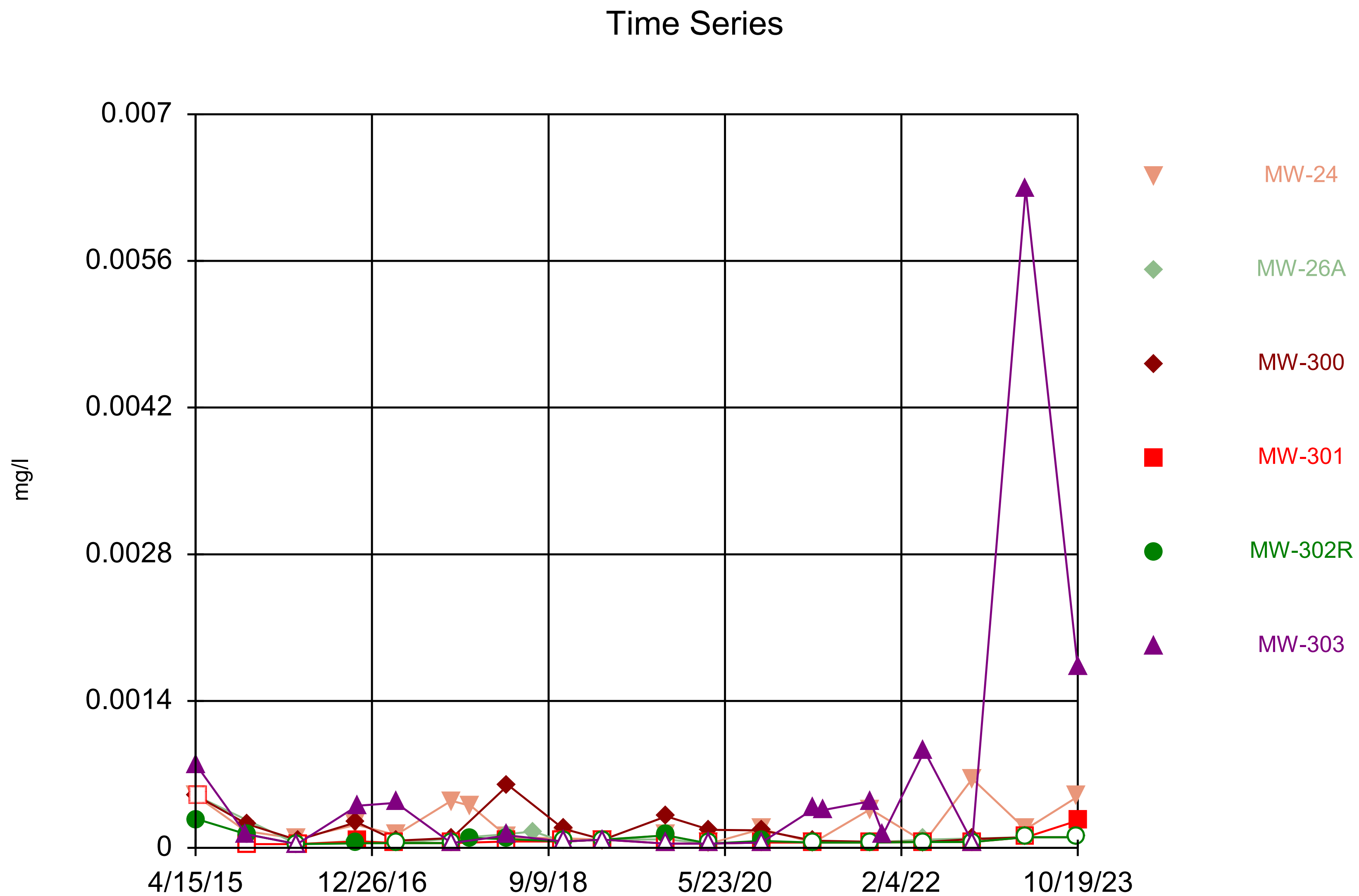
Hollow symbols indicate censored values.



Constituent: Cadmium Analysis Run 11/15/2023 5:27 PM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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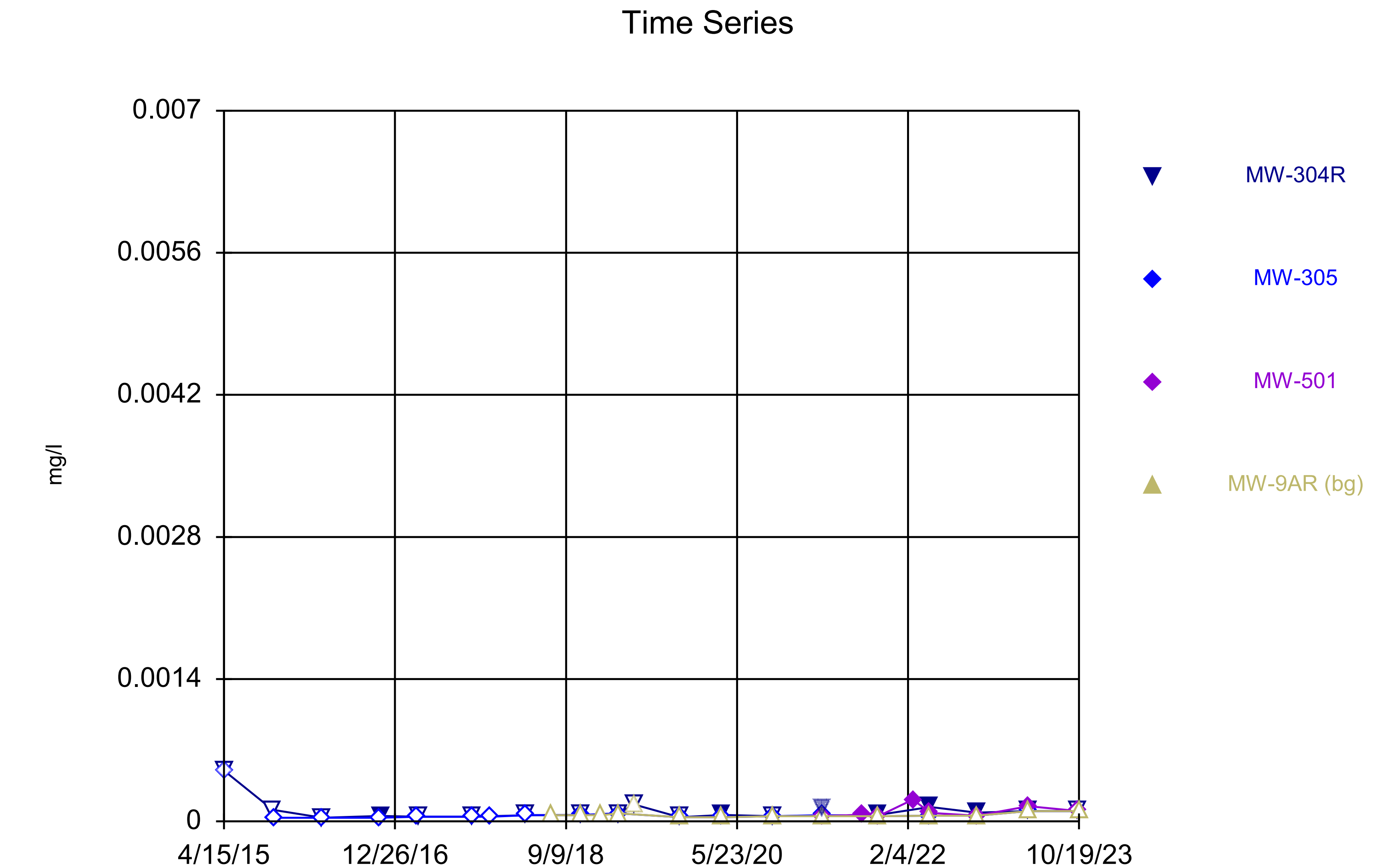
Hollow symbols indicate censored values.



Constituent: Cadmium Analysis Run 11/15/2023 5:27 PM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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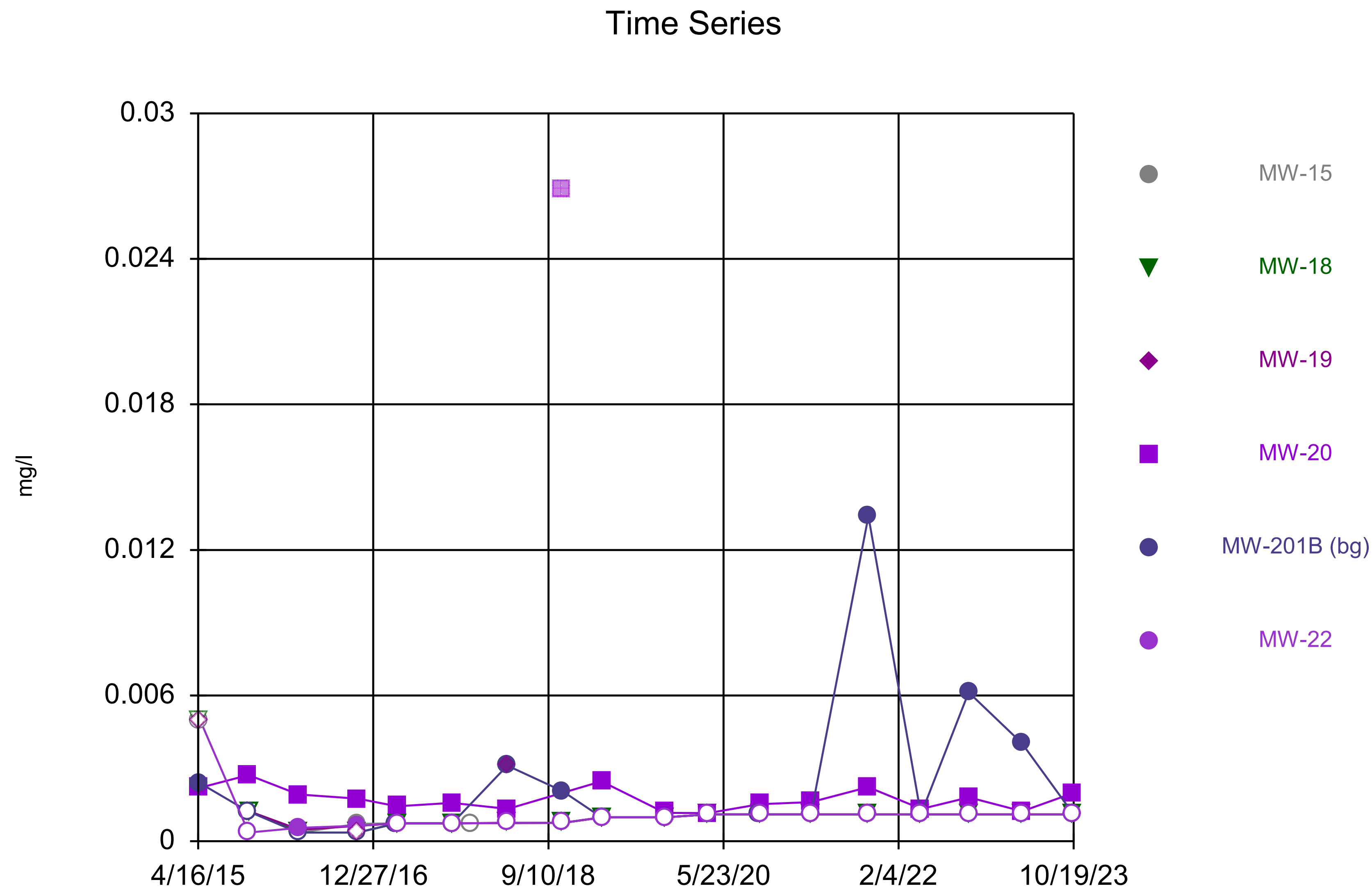
Hollow symbols indicate censored values.



Constituent: Chromium Analysis Run 11/15/2023 5:27 PM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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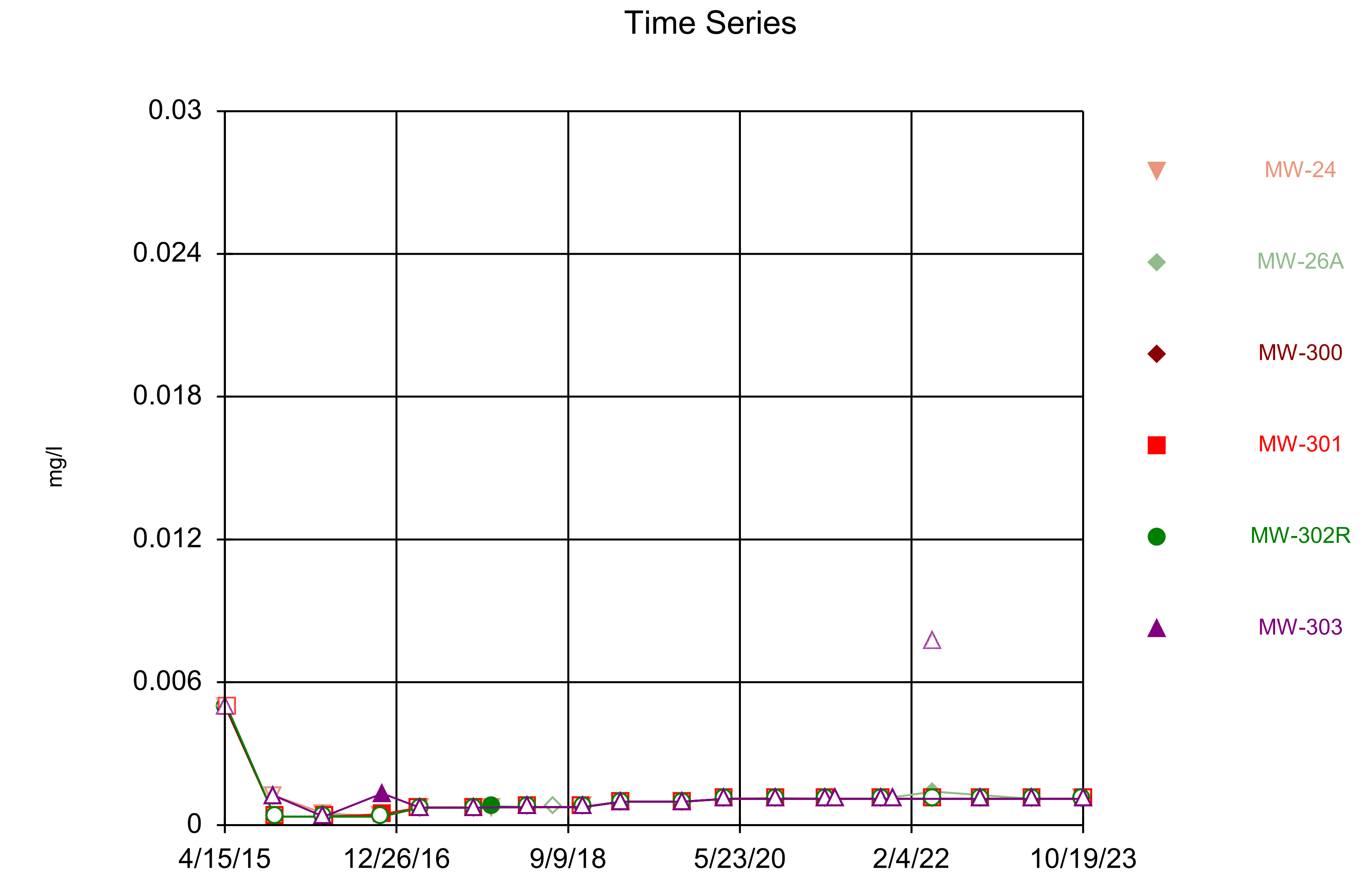
Hollow symbols indicate censored values.



Constituent: Chromium   Analysis Run 11/15/2023 5:27 PM   View: App I_Metals
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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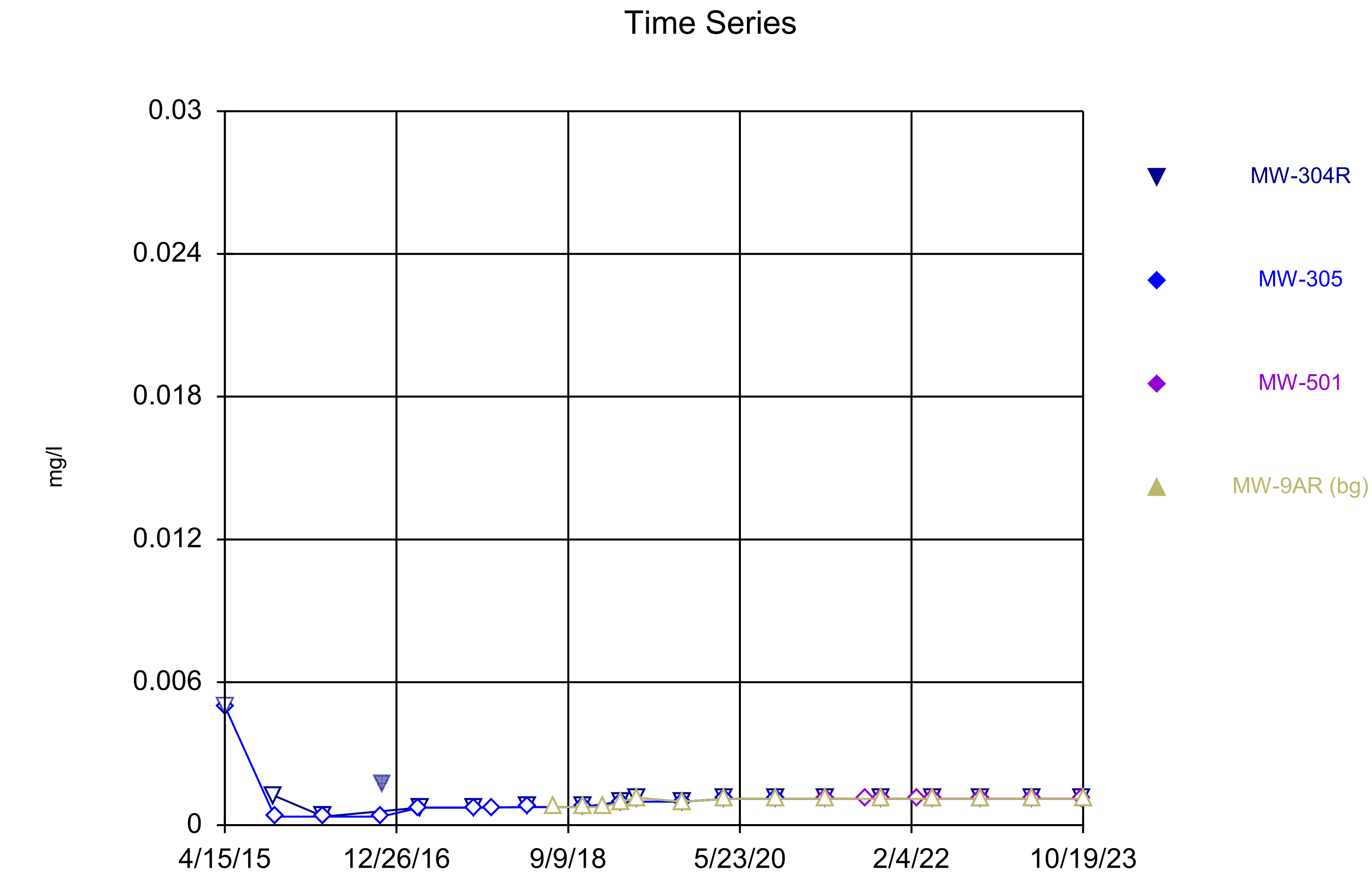
Hollow symbols indicate censored values.



Constituent: Chromium Analysis Run 11/15/2023 5:27 PM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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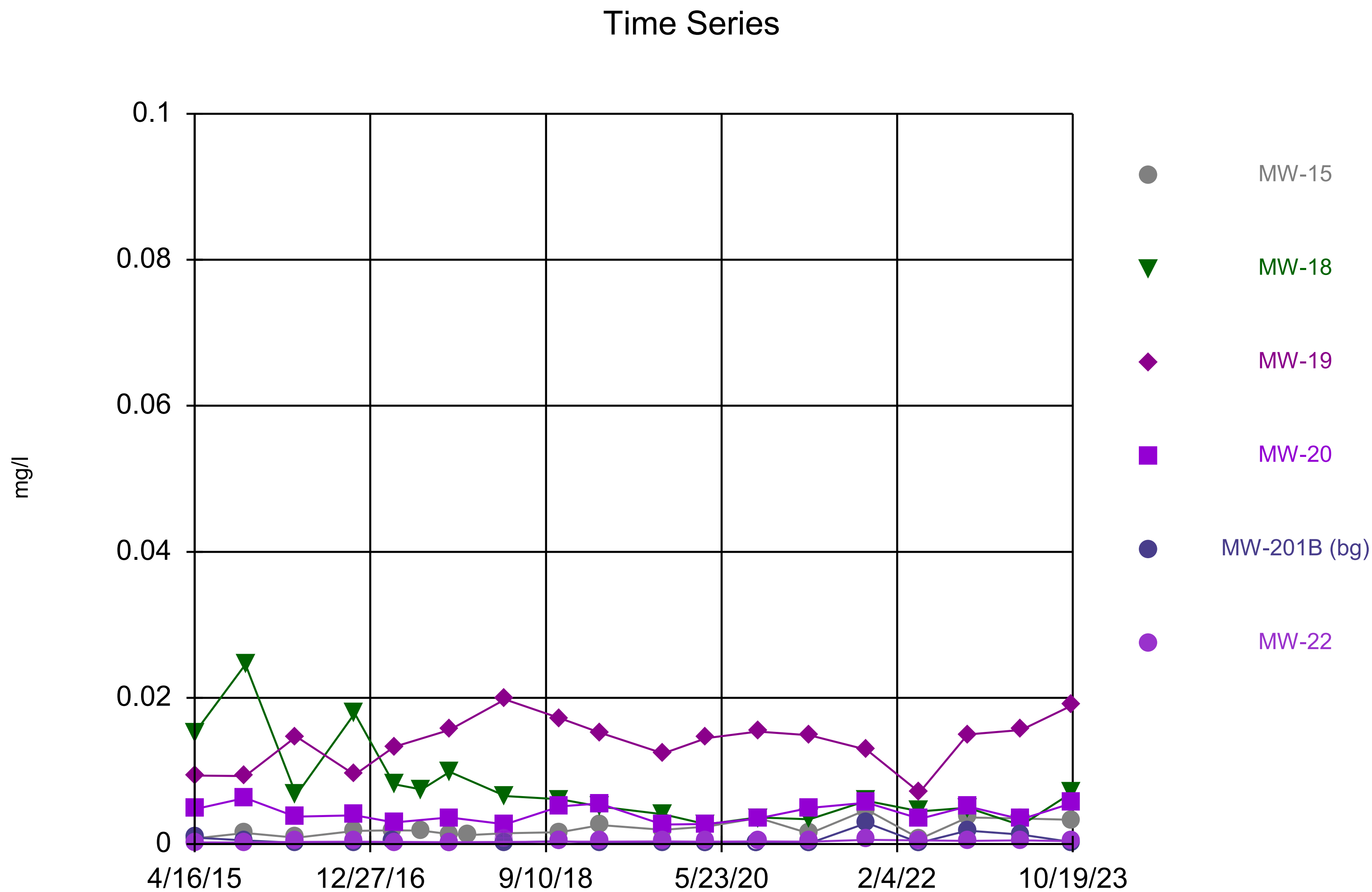
Hollow symbols indicate censored values.



Constituent: Cobalt   Analysis Run 11/15/2023 5:27 PM   View: App I_Metals
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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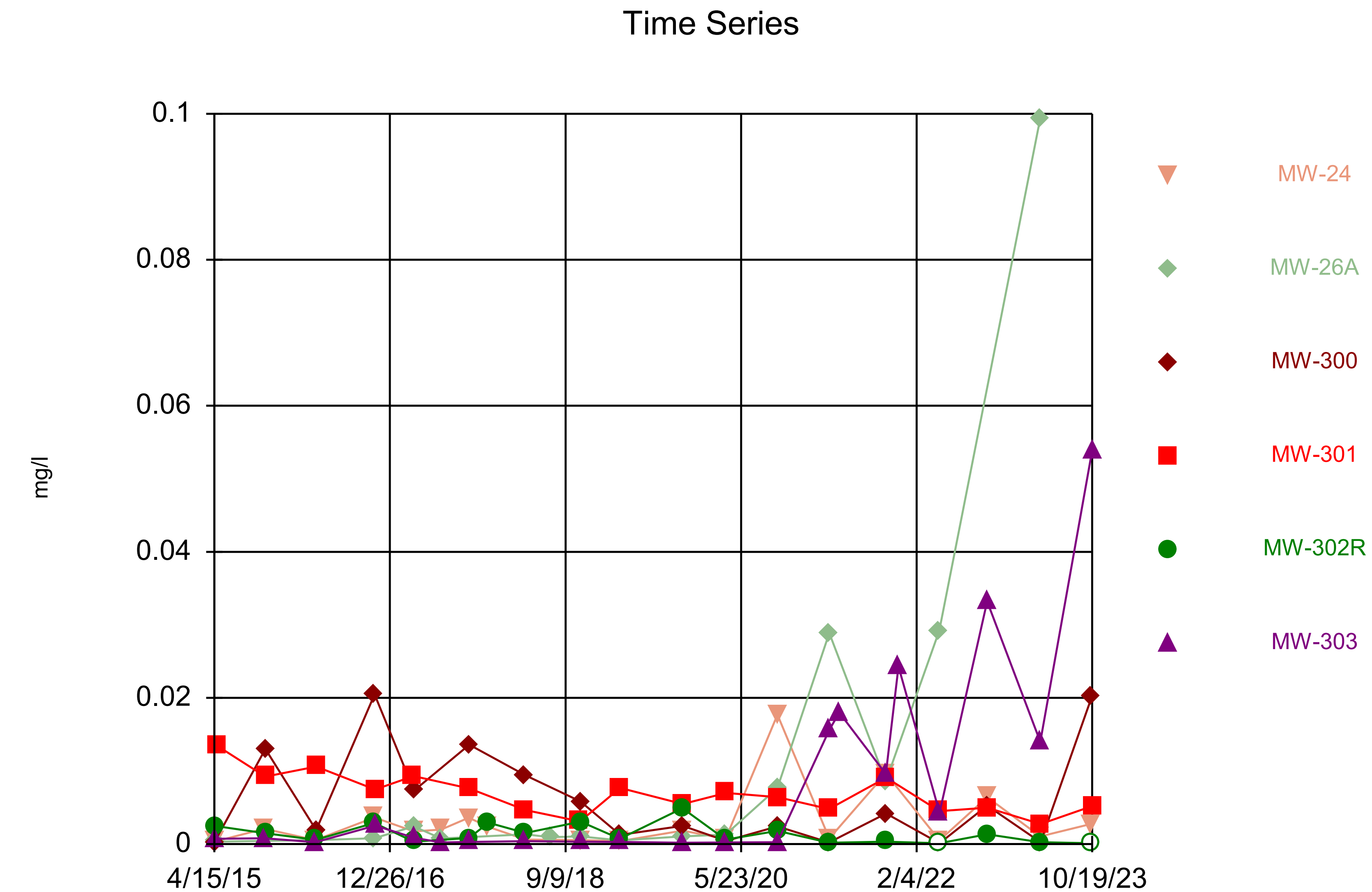
Hollow symbols indicate censored values.



Constituent: Cobalt   Analysis Run 11/15/2023 5:27 PM   View: App I_Metals
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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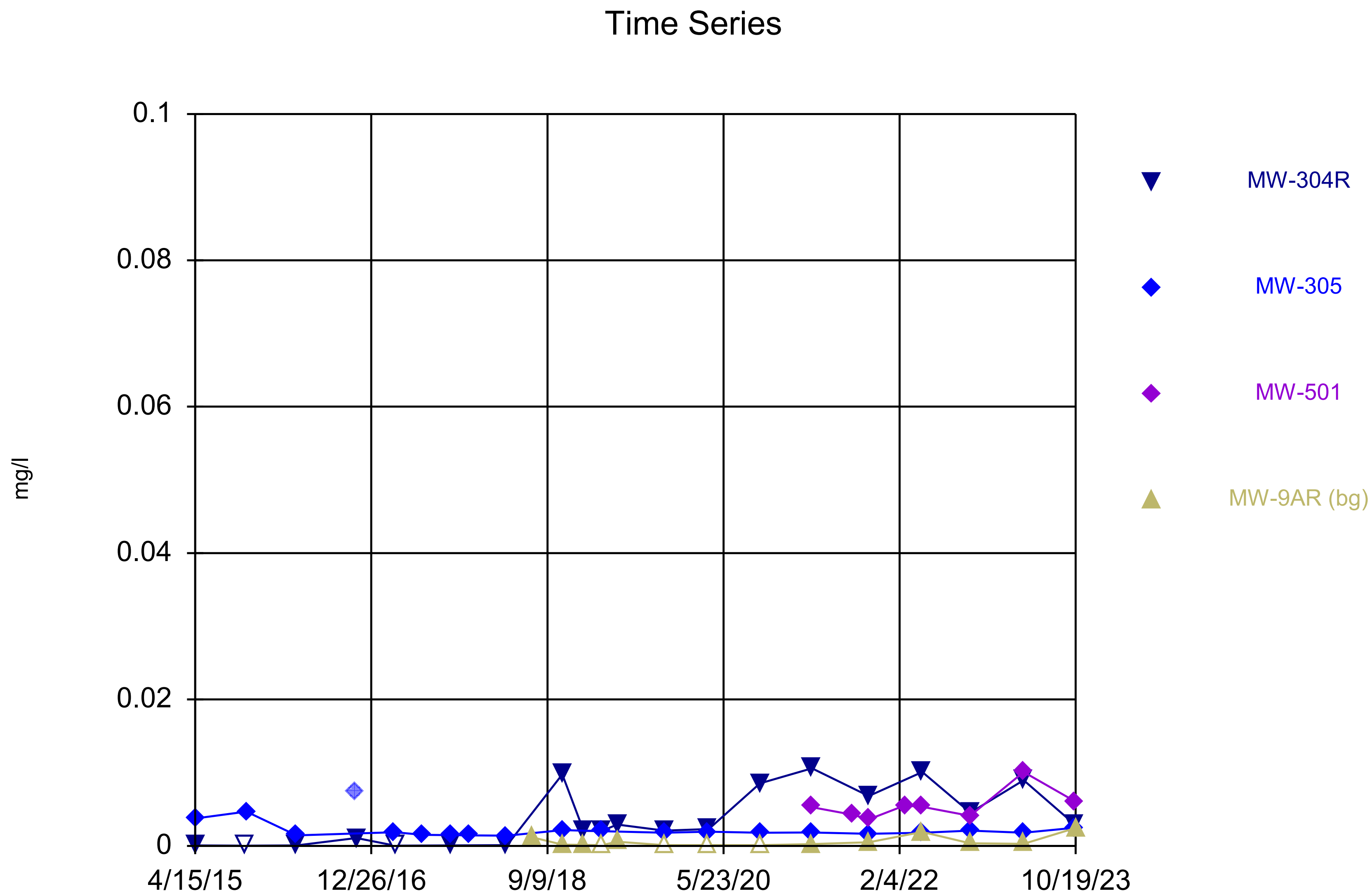
Hollow symbols indicate censored values.



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Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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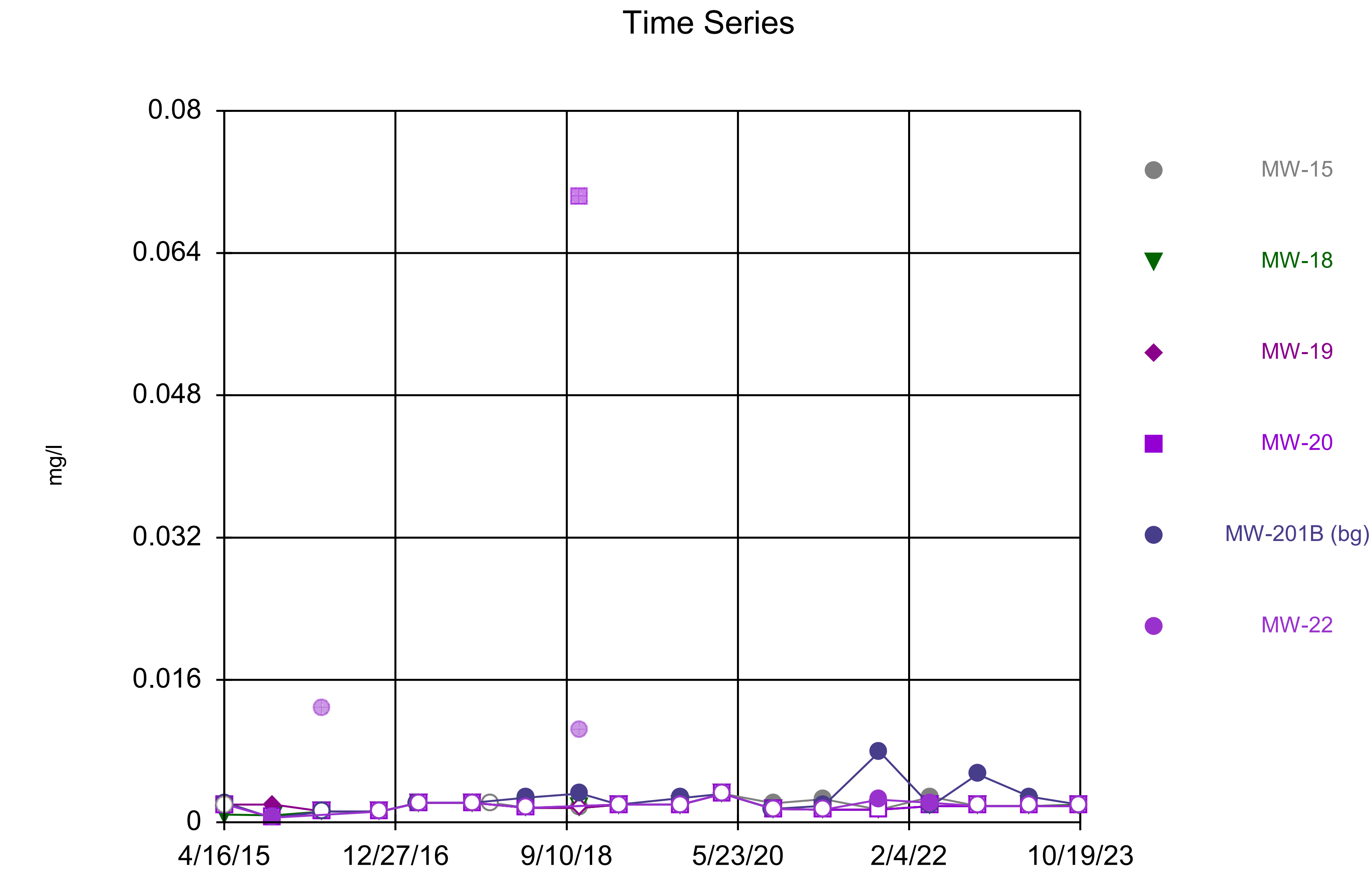

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Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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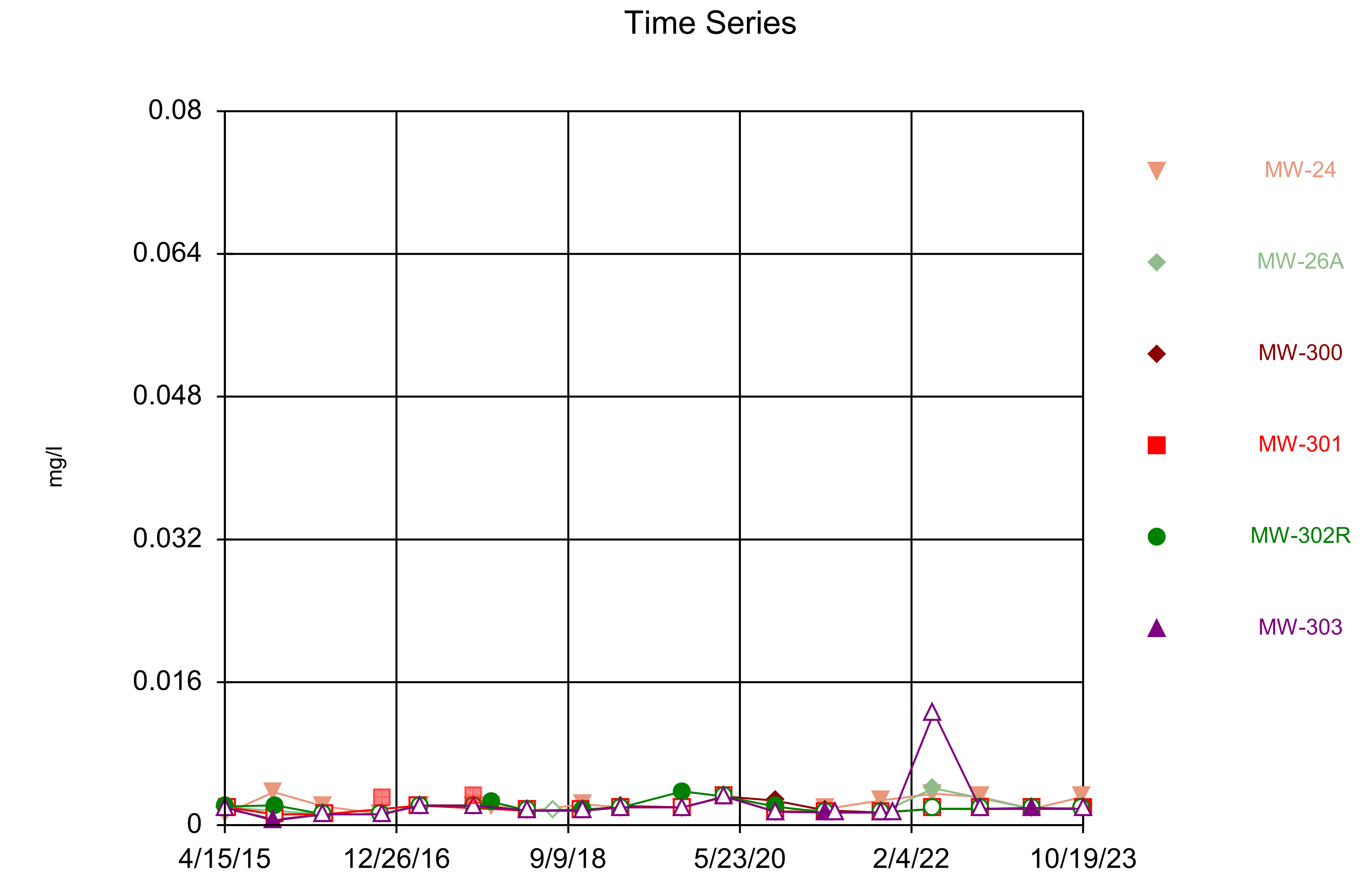

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Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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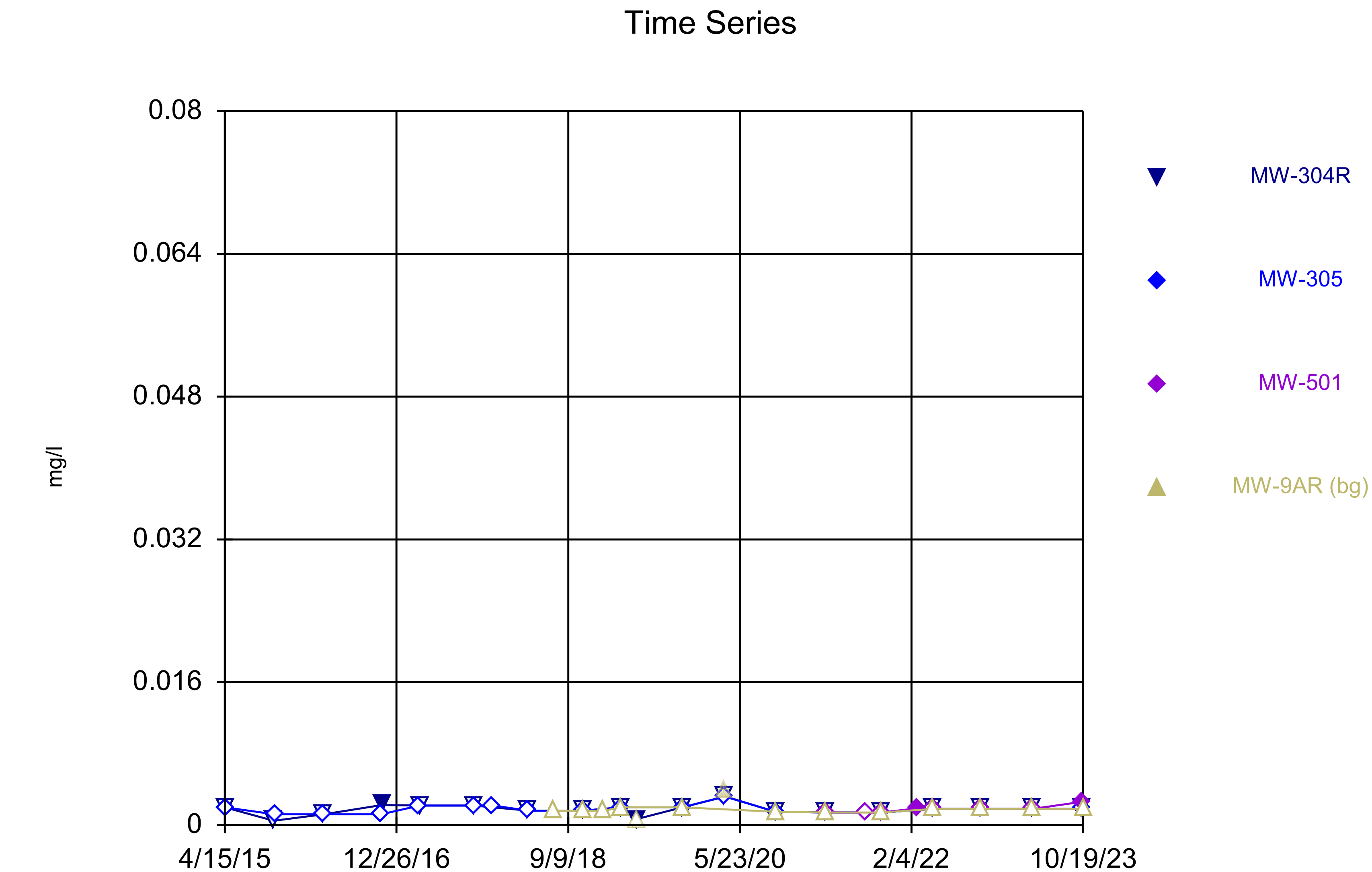

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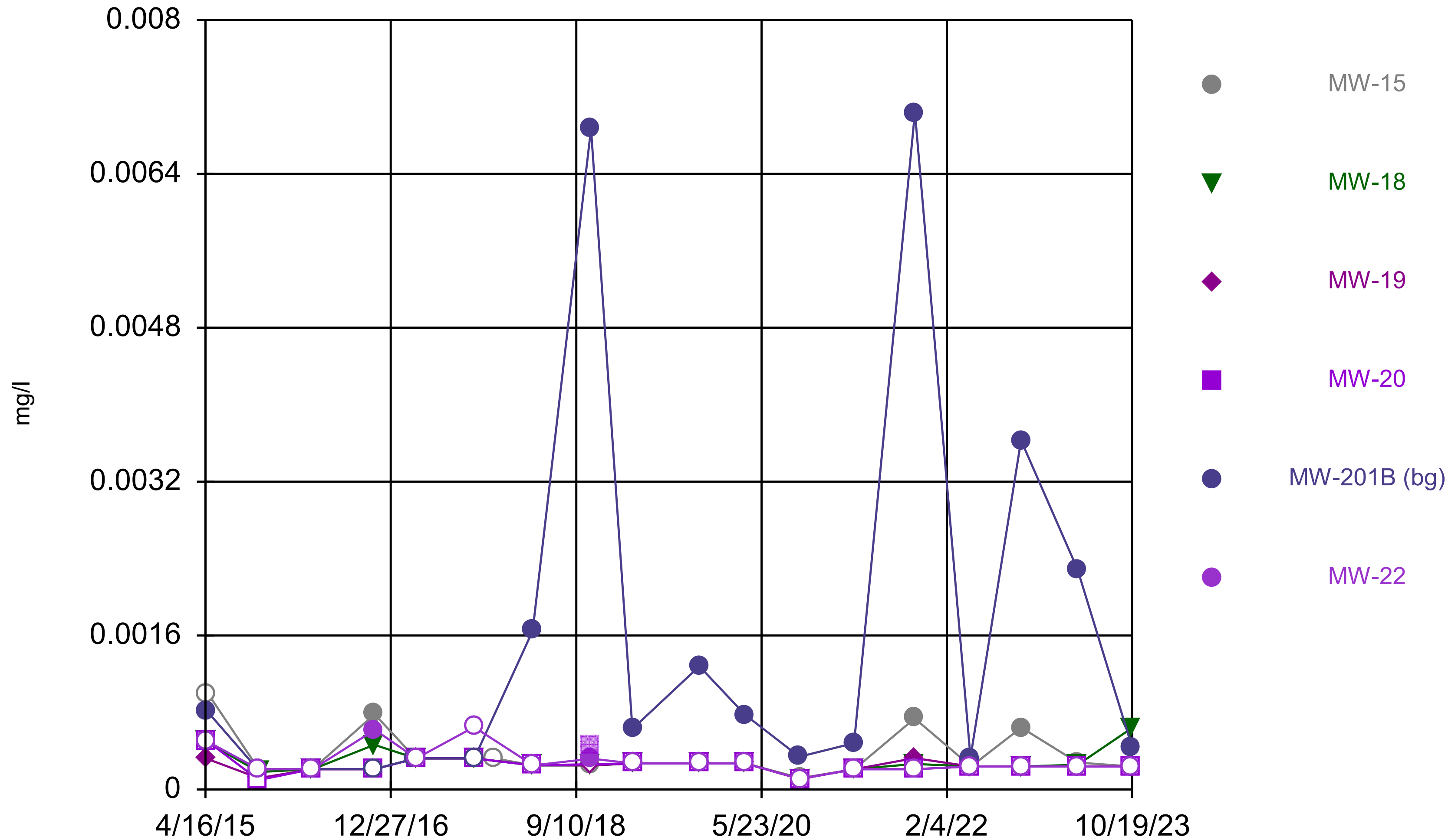
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Lead Analysis Run 11/15/2023 5:27 PM View: App I_Metals
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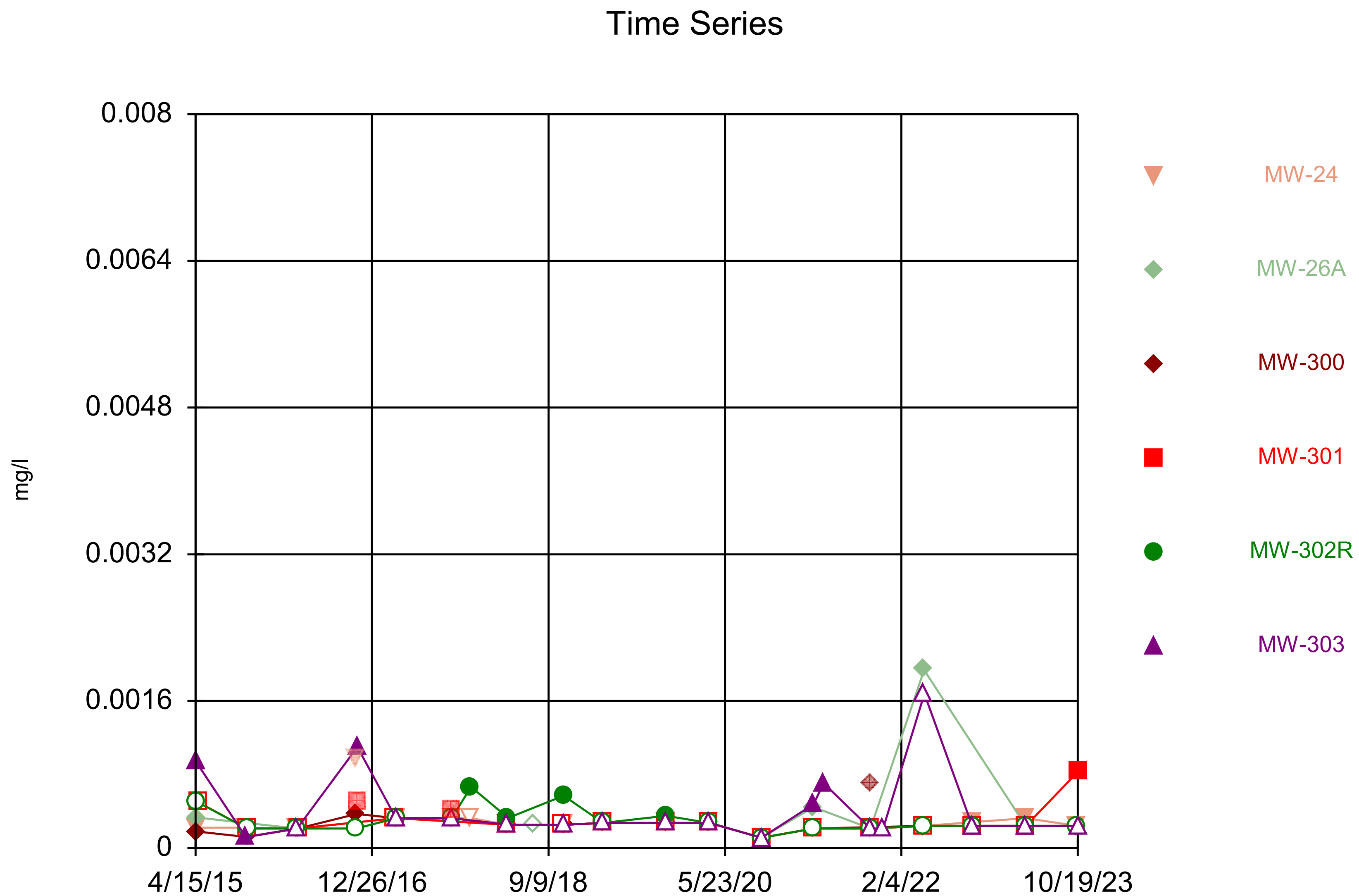
Hollow symbols indicate censored values.



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Sanitas™ v.9.6.37 Software licensed to HDR. UG
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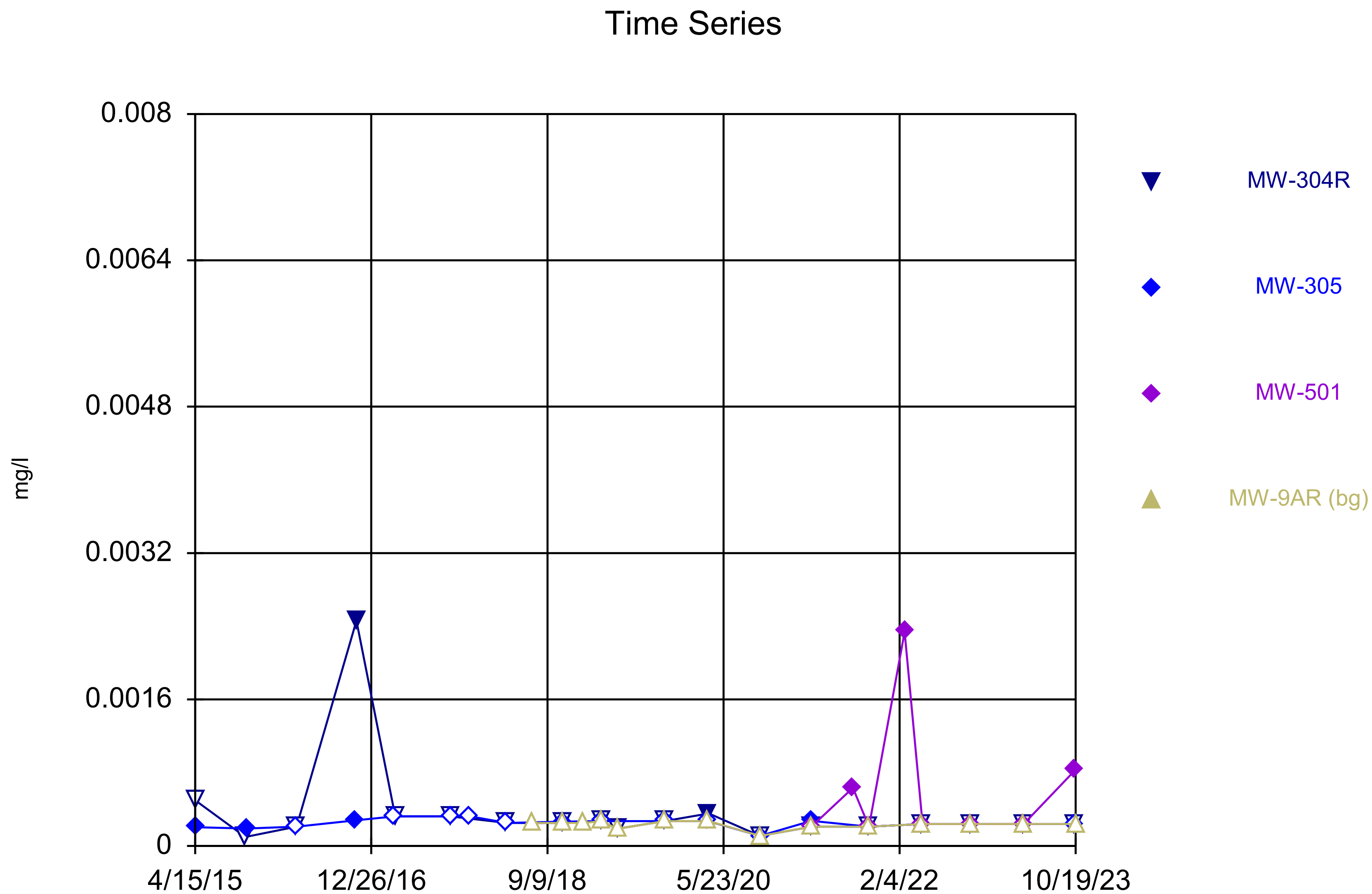

Constituent: Lead Analysis Run 11/15/2023 5:27 PM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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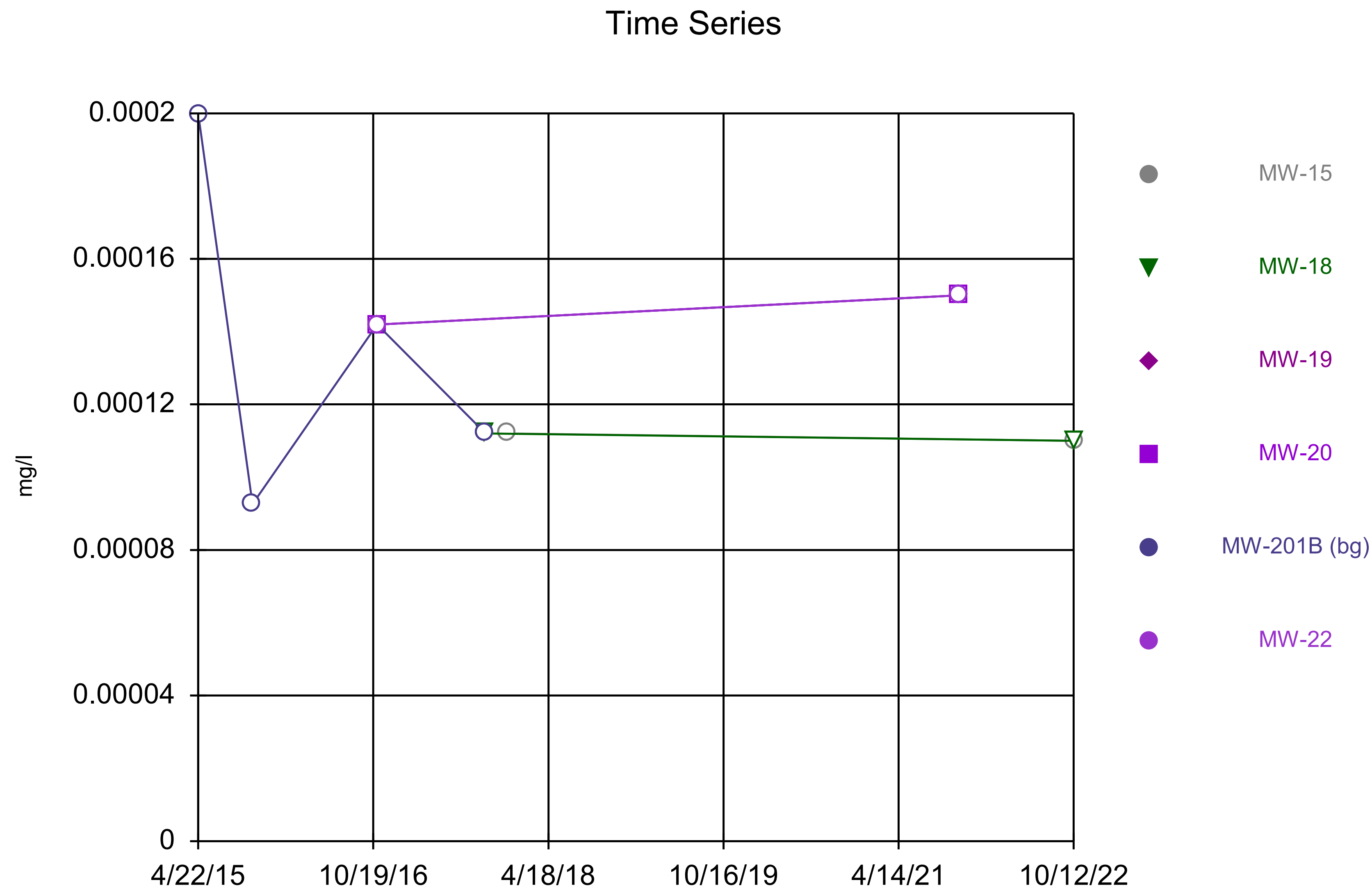

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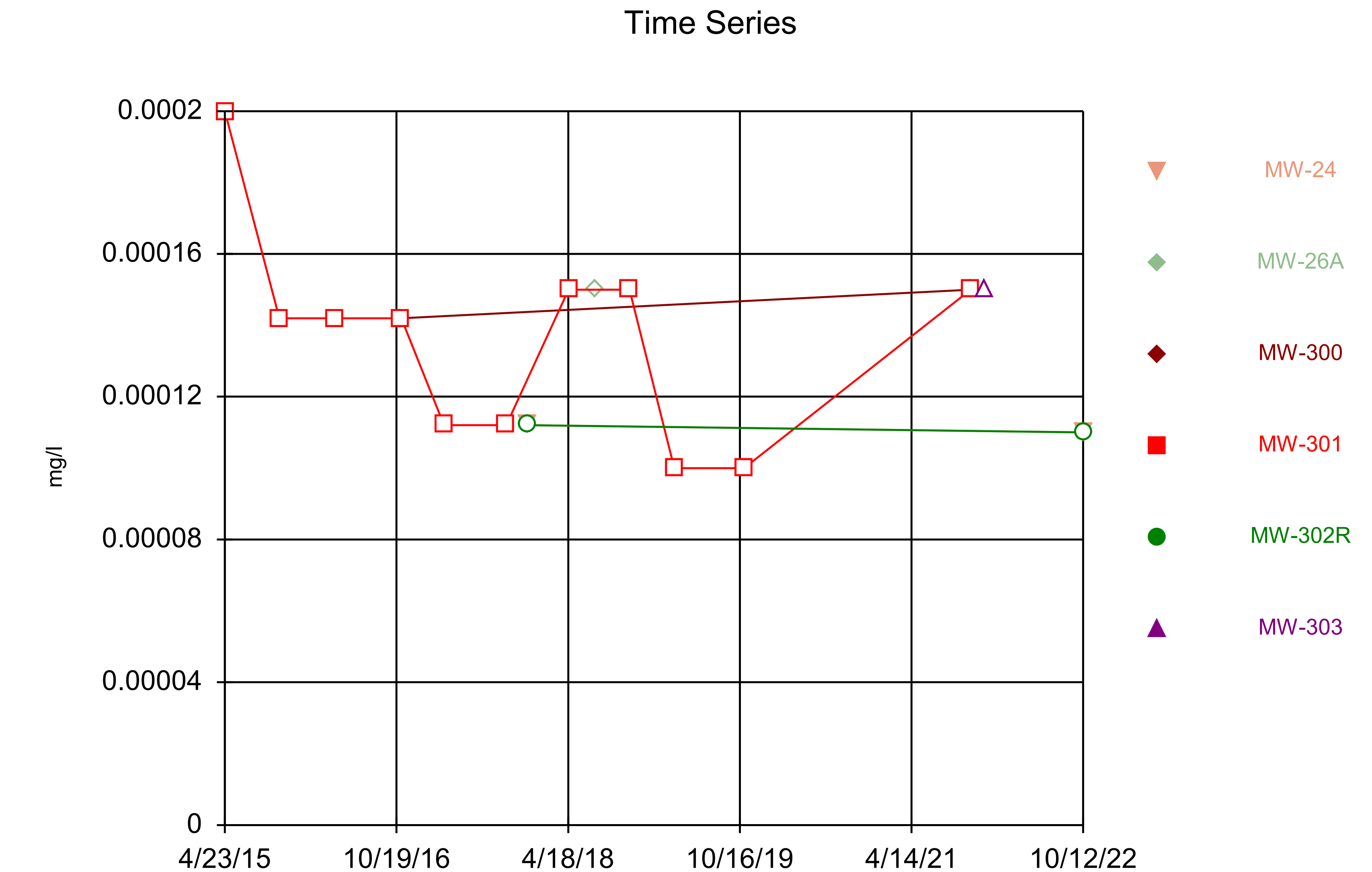

Constituent: Mercury   Analysis Run 11/15/2023 5:27 PM   View: App I_Metals
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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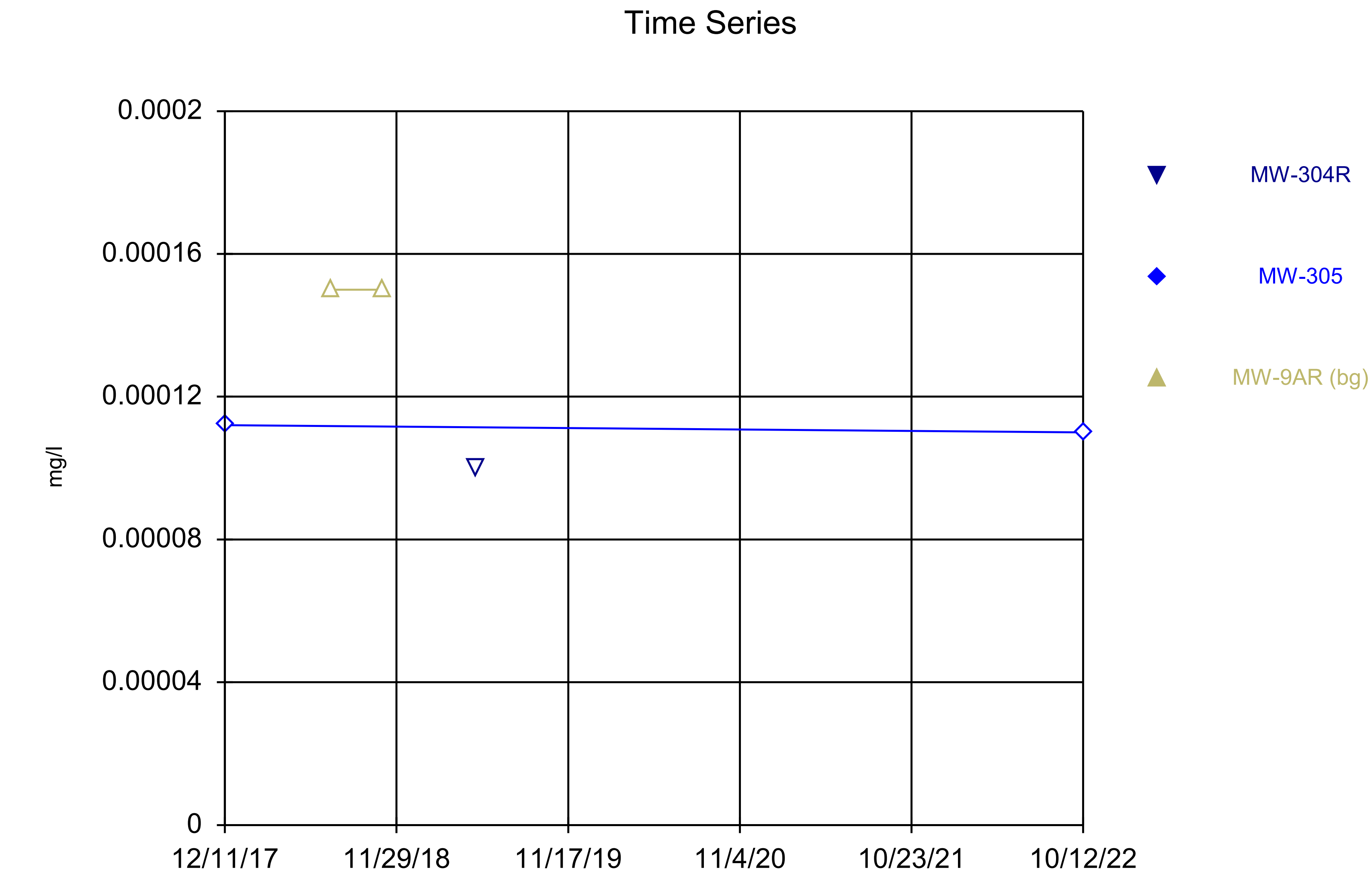

Constituent: Mercury   Analysis Run 11/15/2023 5:27 PM   View: App I_Metals
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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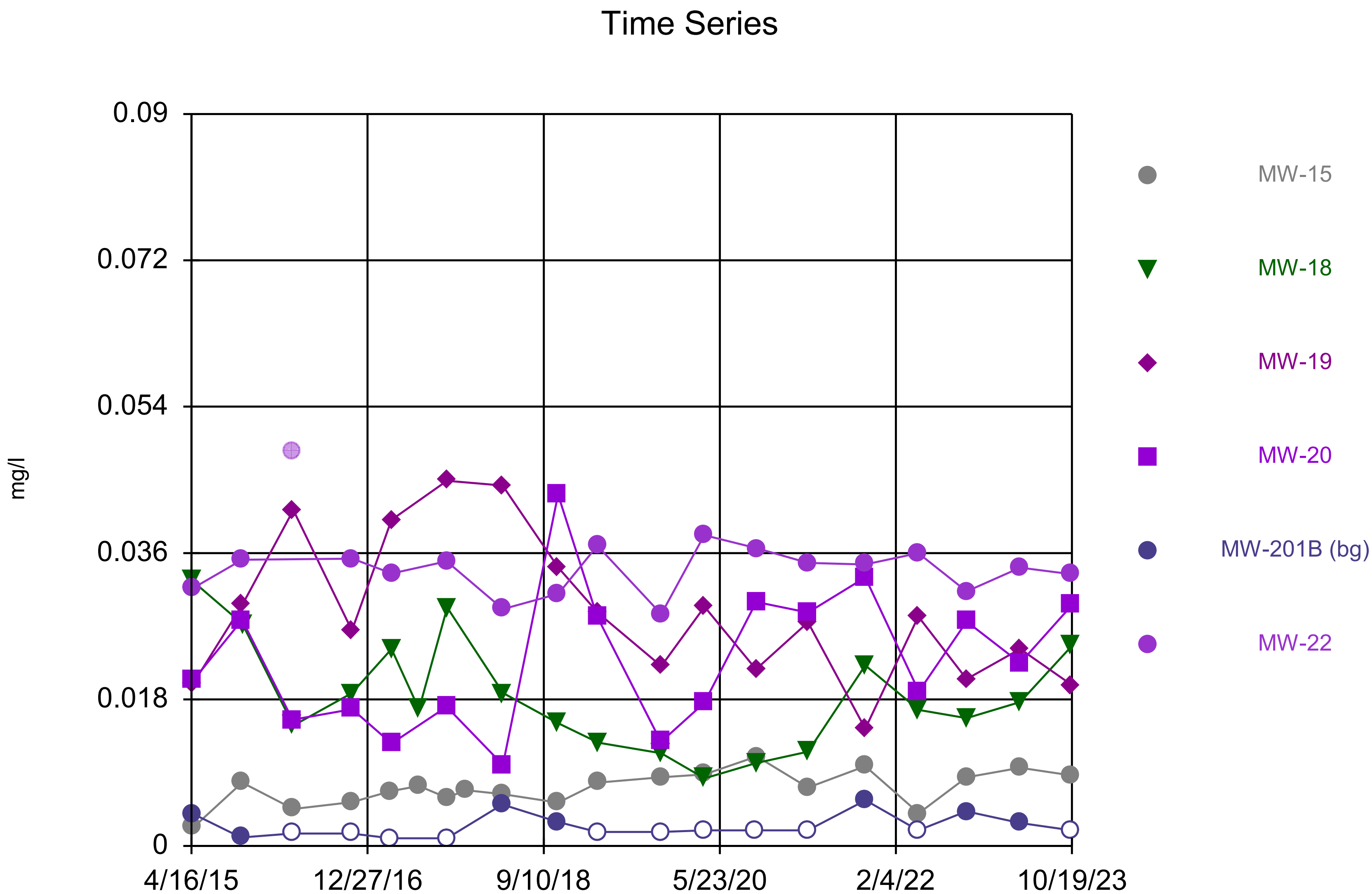

Constituent: Nickel Analysis Run 11/15/2023 5:27 PM View: App I_Metals
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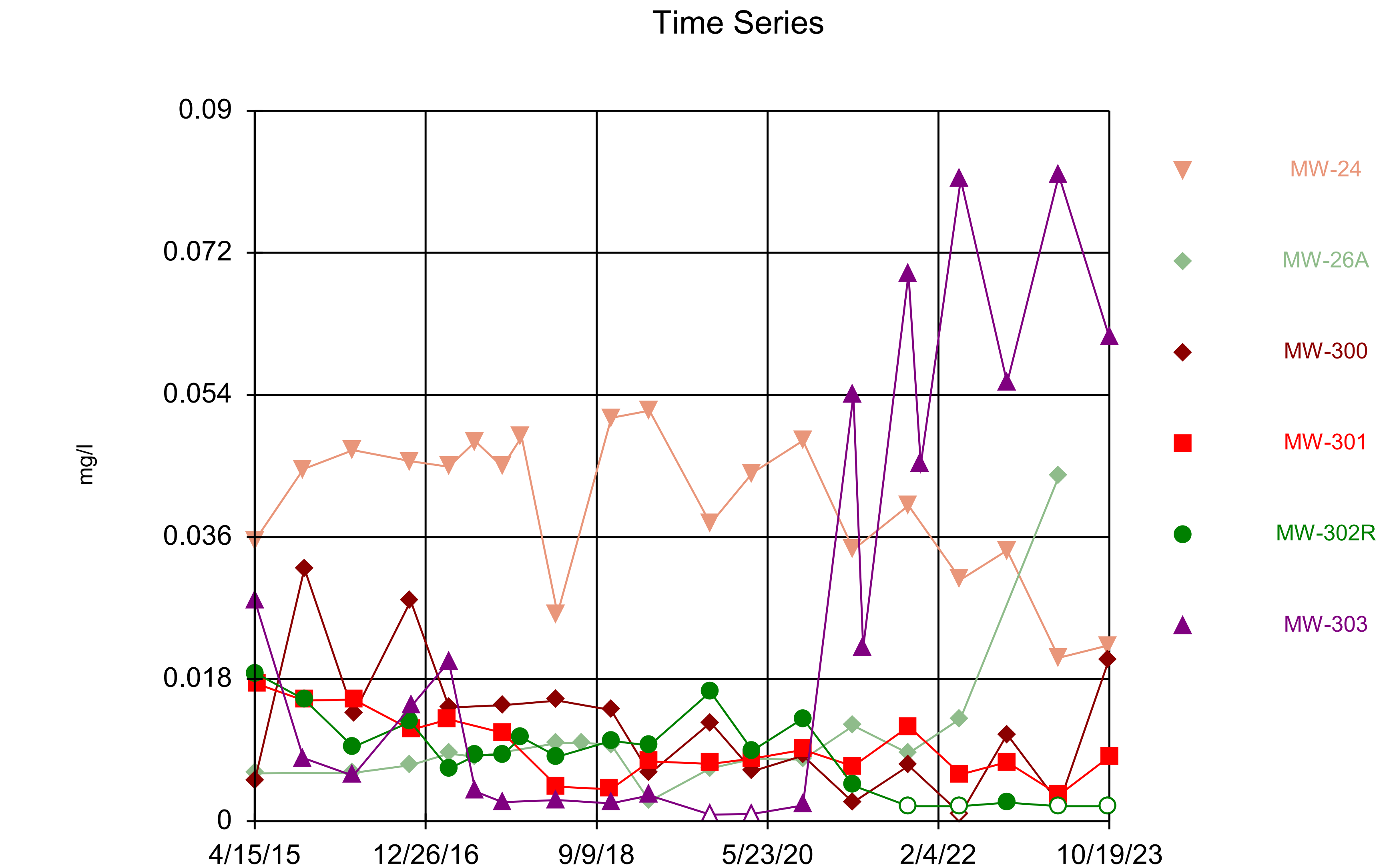
Hollow symbols indicate censored values.



Constituent: Nickel Analysis Run 11/15/2023 5:27 PM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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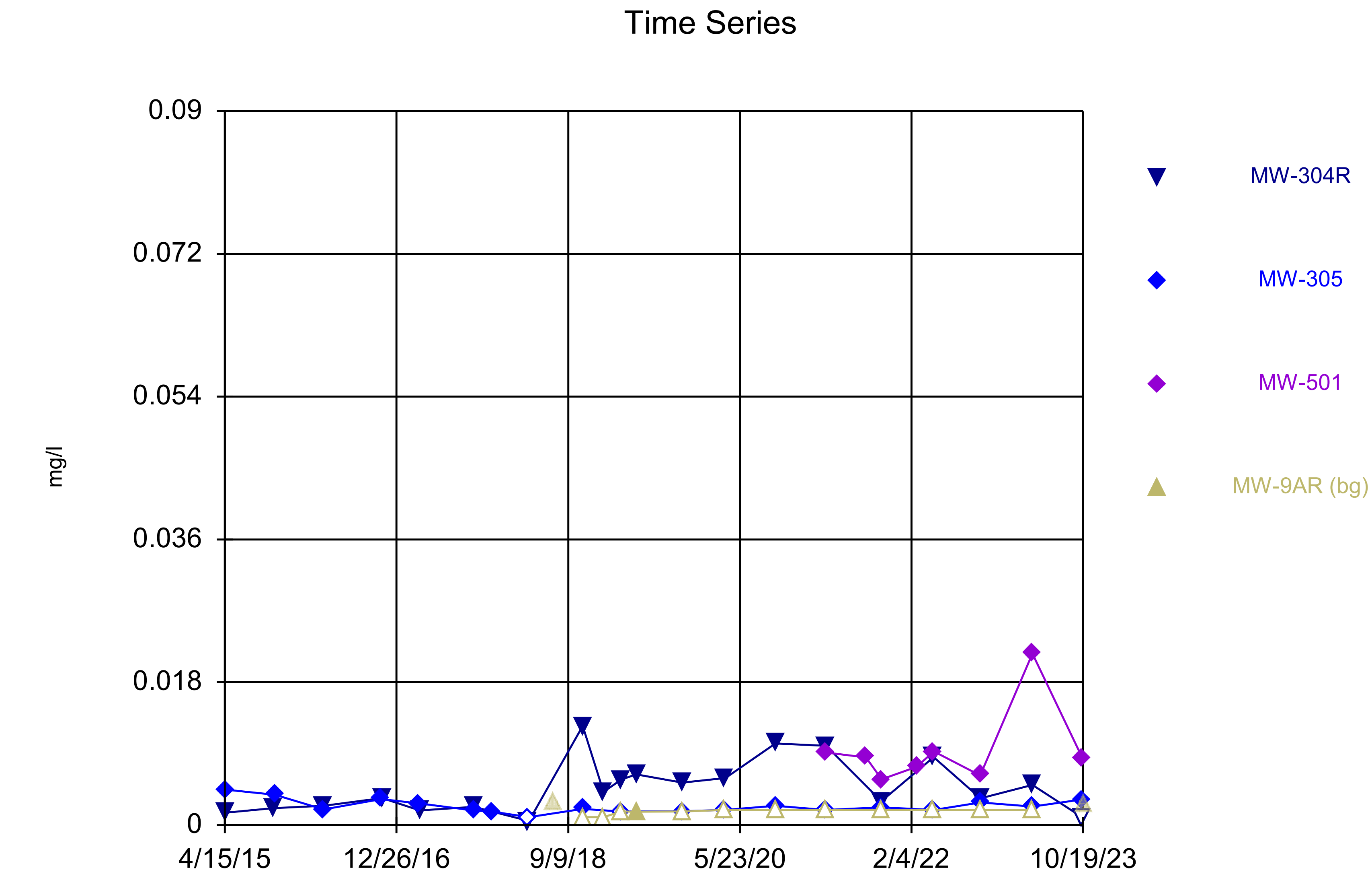

Constituent: Nickel   Analysis Run 11/15/2023 5:27 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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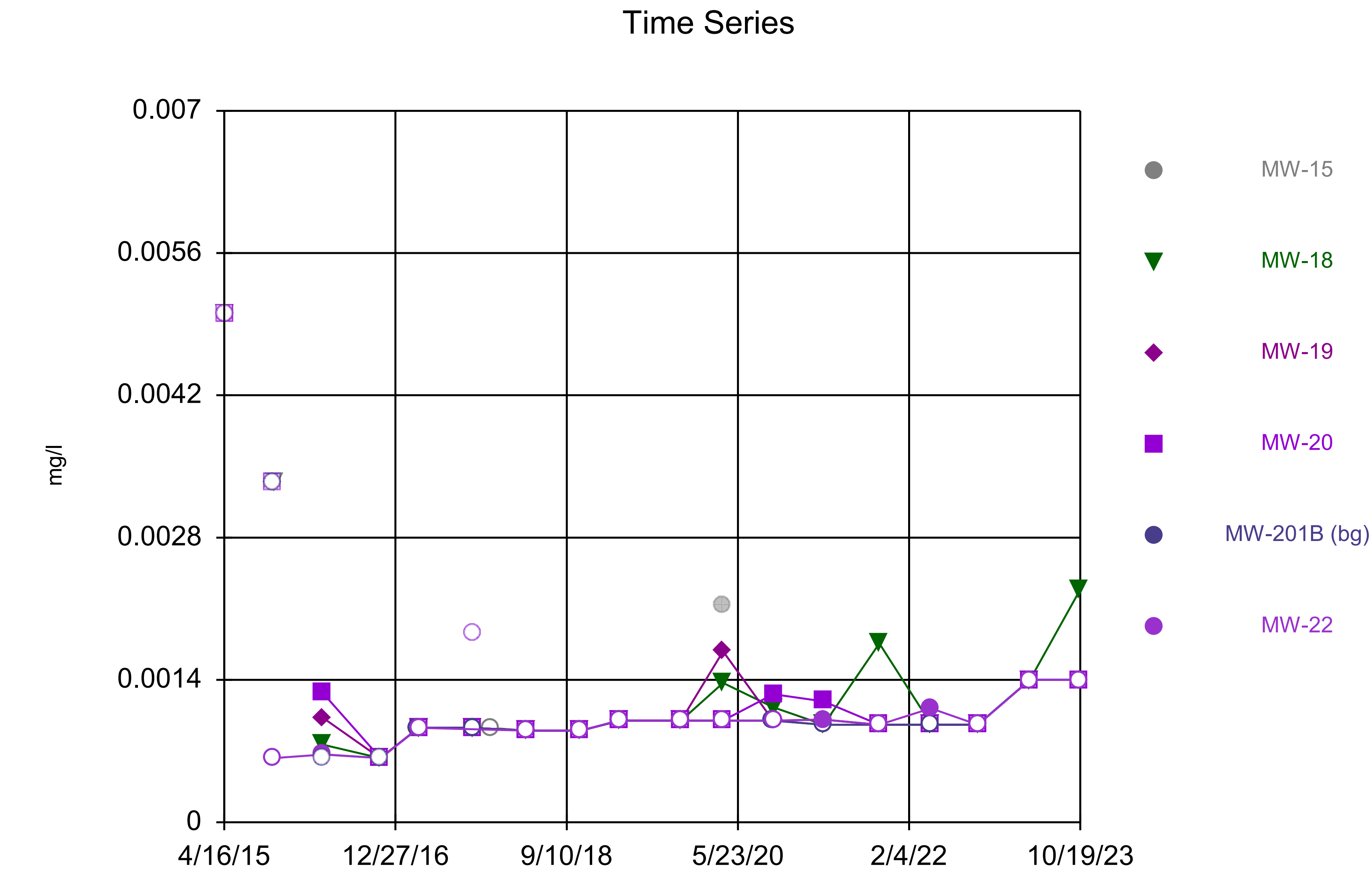

Constituent: Selenium Analysis Run 11/15/2023 5:27 PM View: App I_Metals

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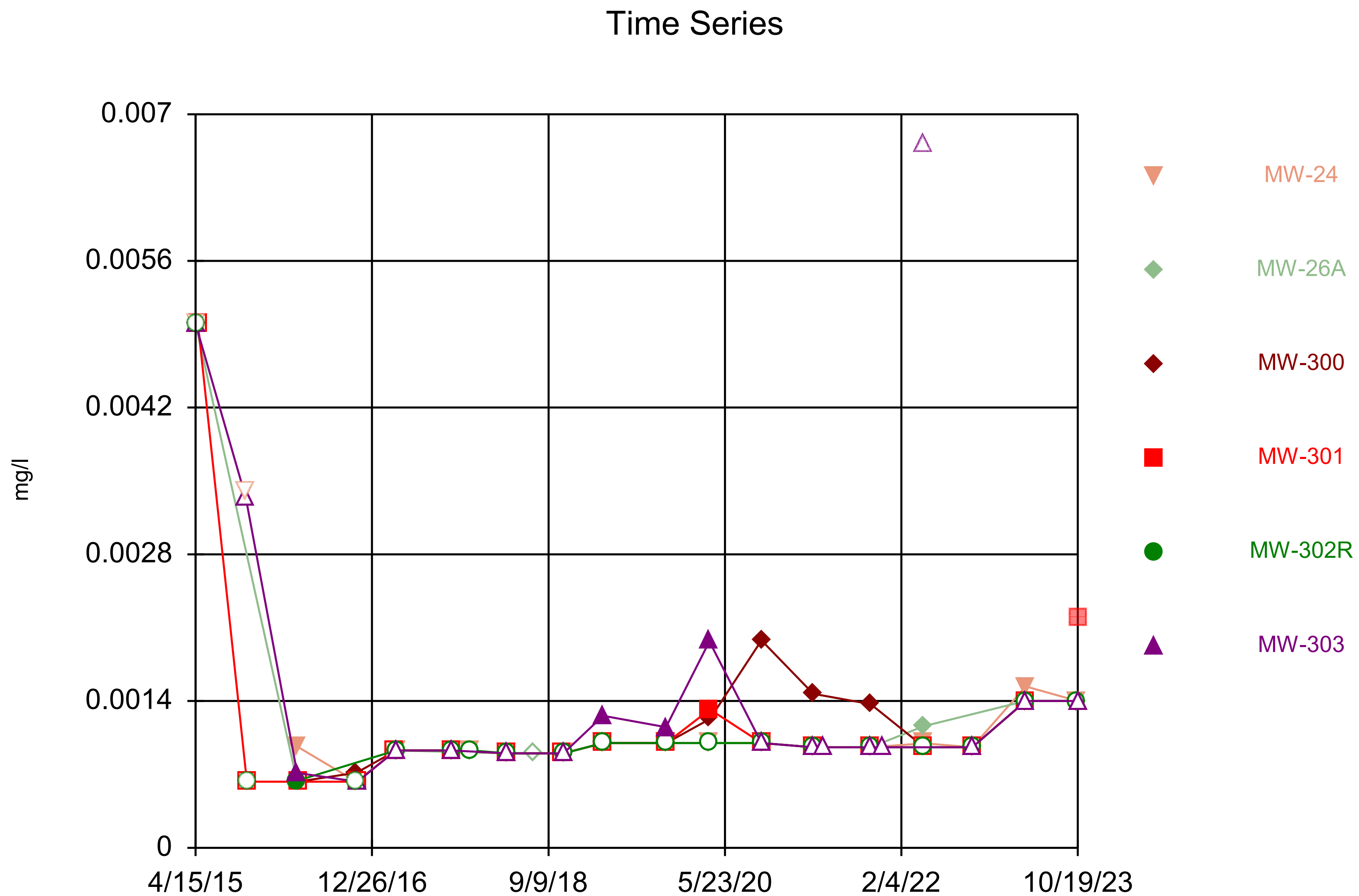
Hollow symbols indicate censored values.



Constituent: Selenium Analysis Run 11/15/2023 5:27 PM View: App I_Metals
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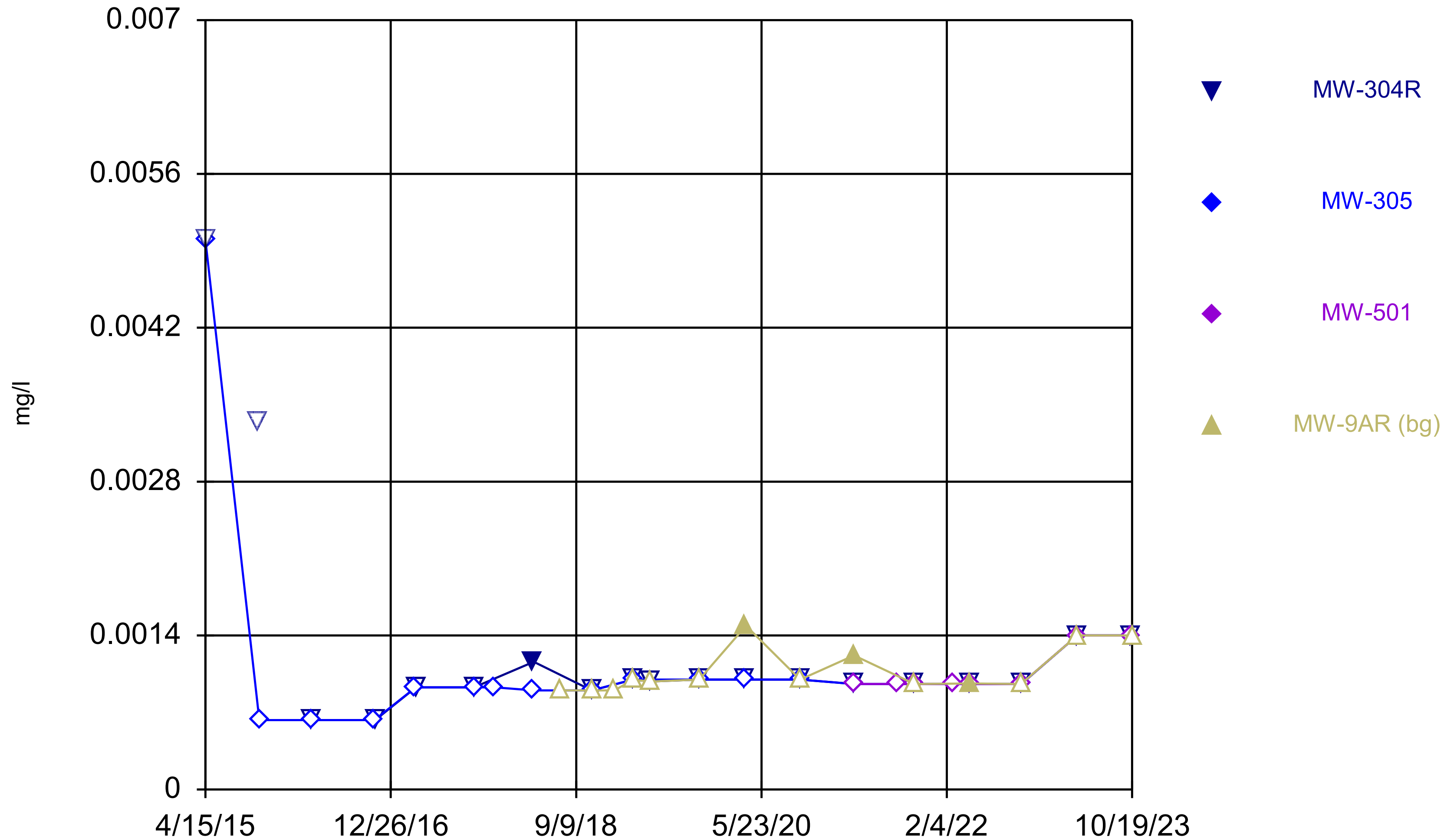
Hollow symbols indicate censored values.

Time Series



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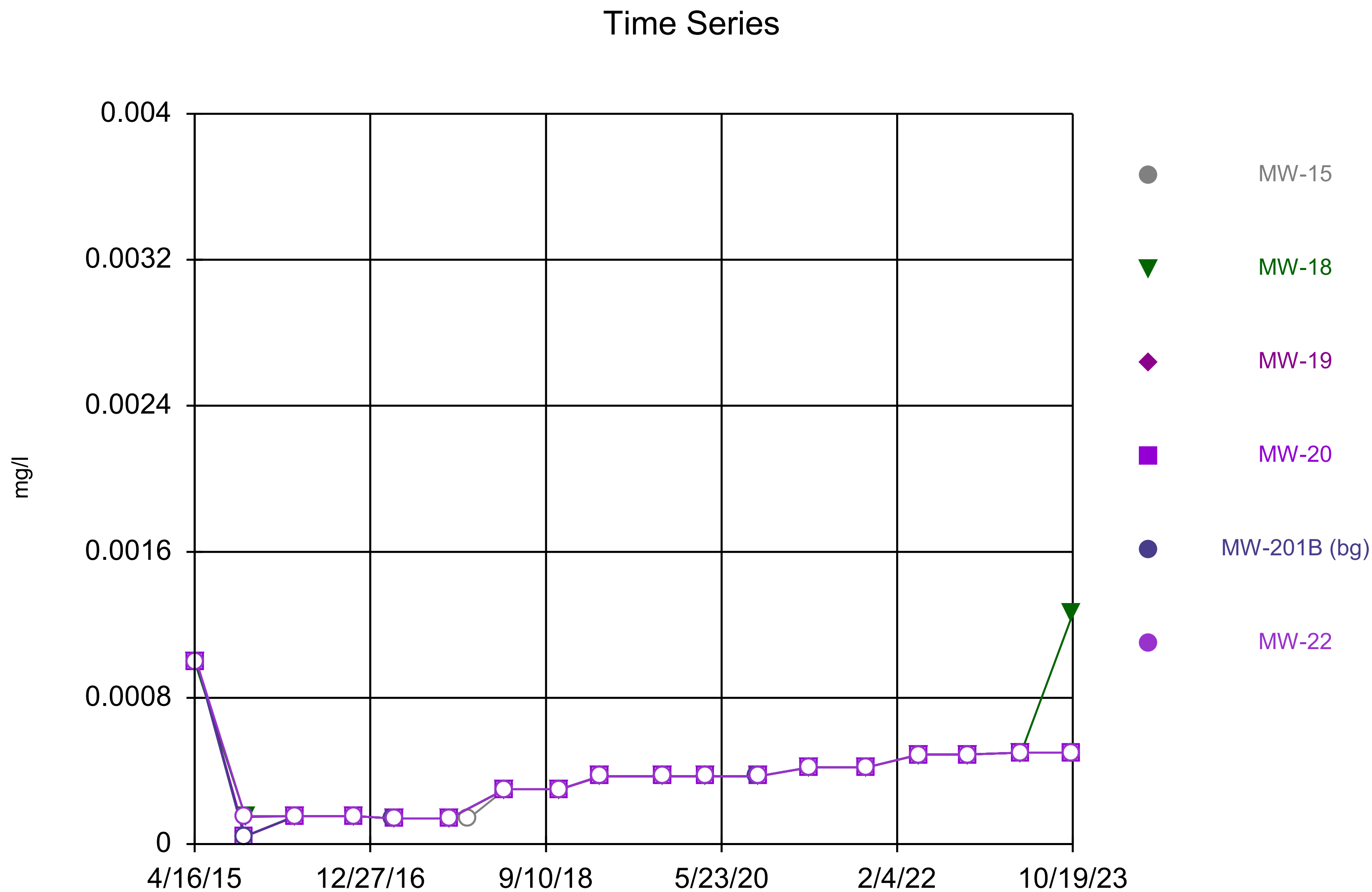
Hollow symbols indicate censored values.



Constituent: Silver   Analysis Run 11/15/2023 5:27 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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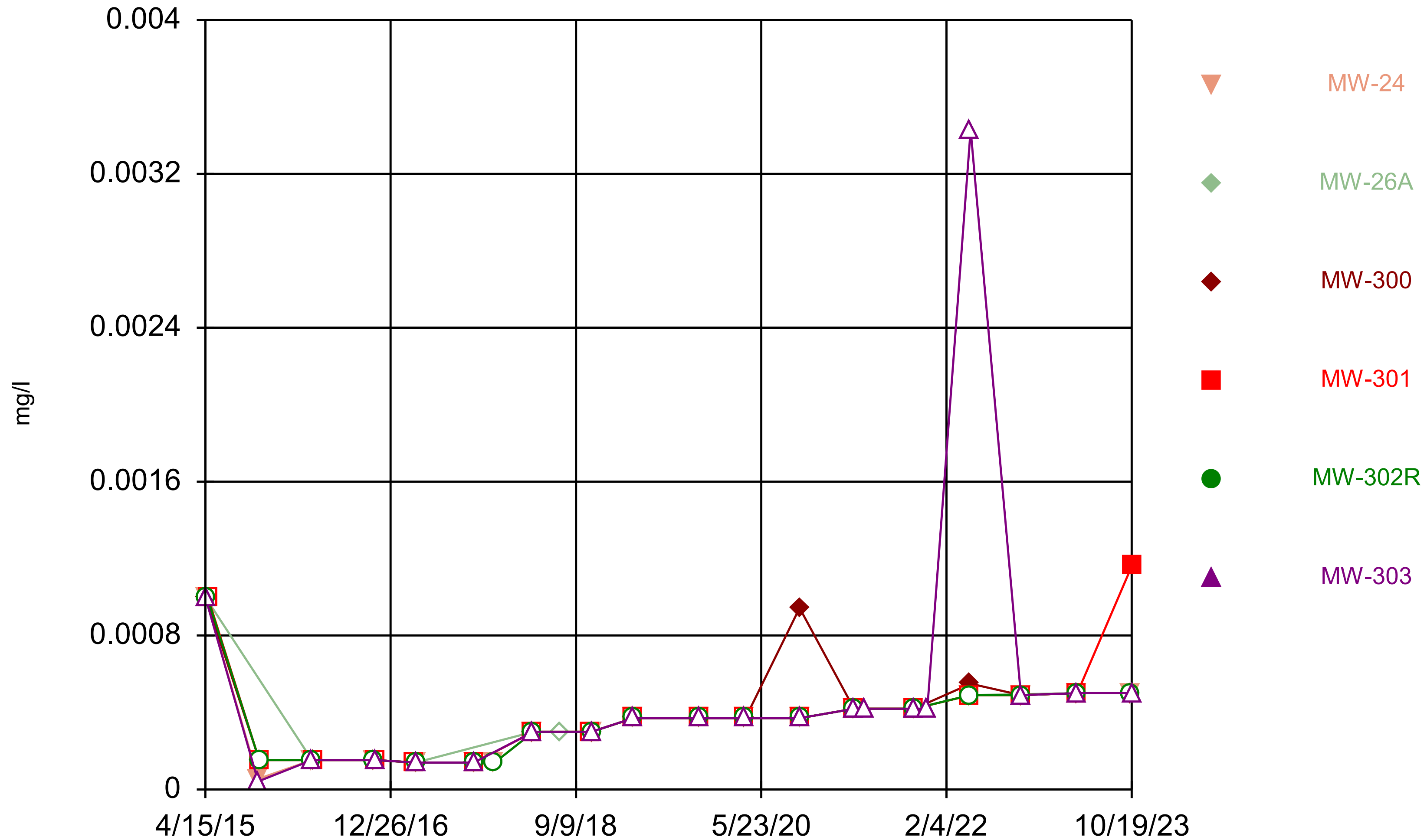
Time Series



Constituent: Silver Analysis Run 11/15/2023 5:27 PM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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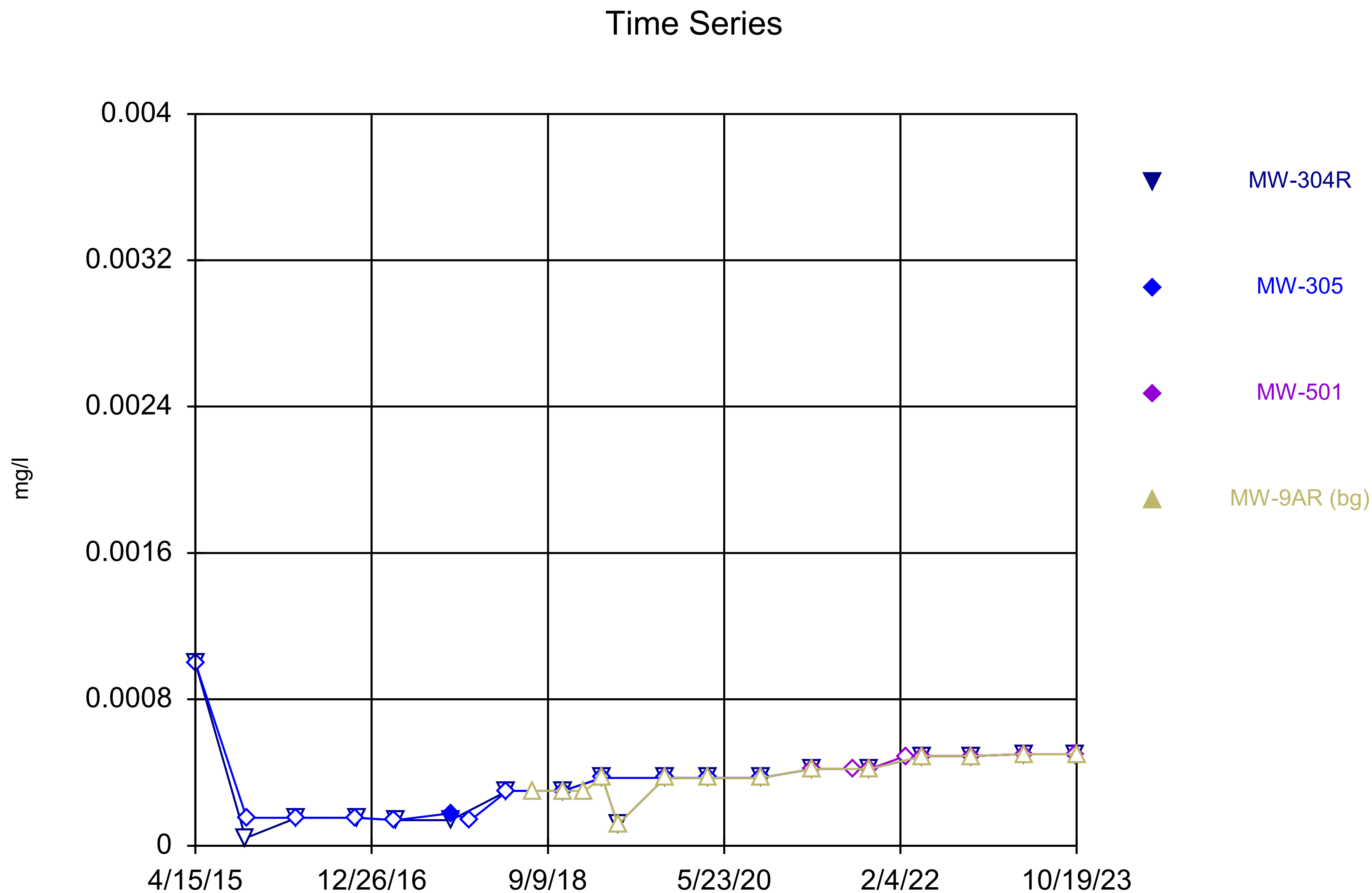

Constituent: Silver Analysis Run 11/15/2023 5:27 PM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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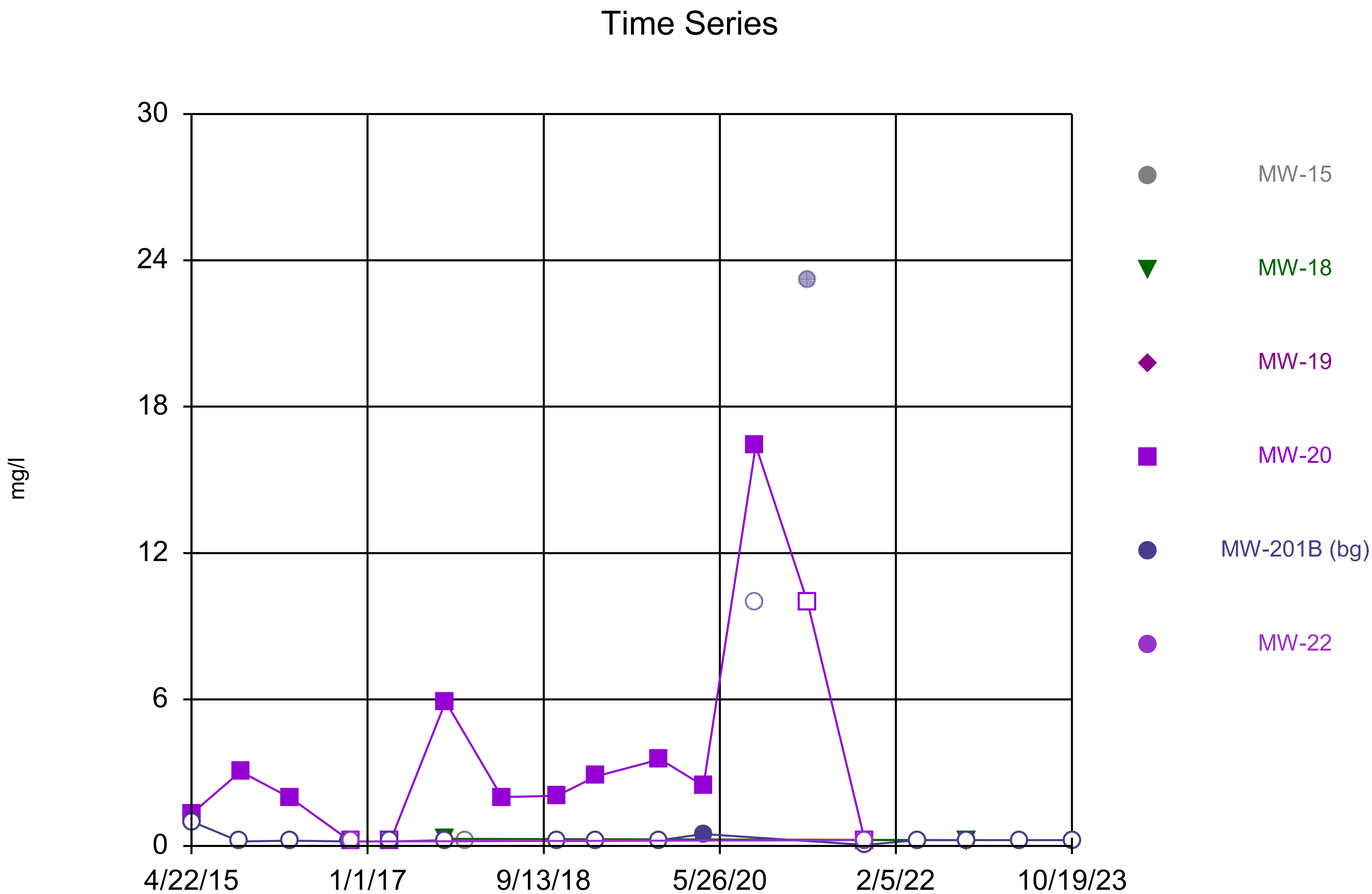

Constituent: Sulfide   Analysis Run 11/15/2023 5:27 PM   View: App I_Metals
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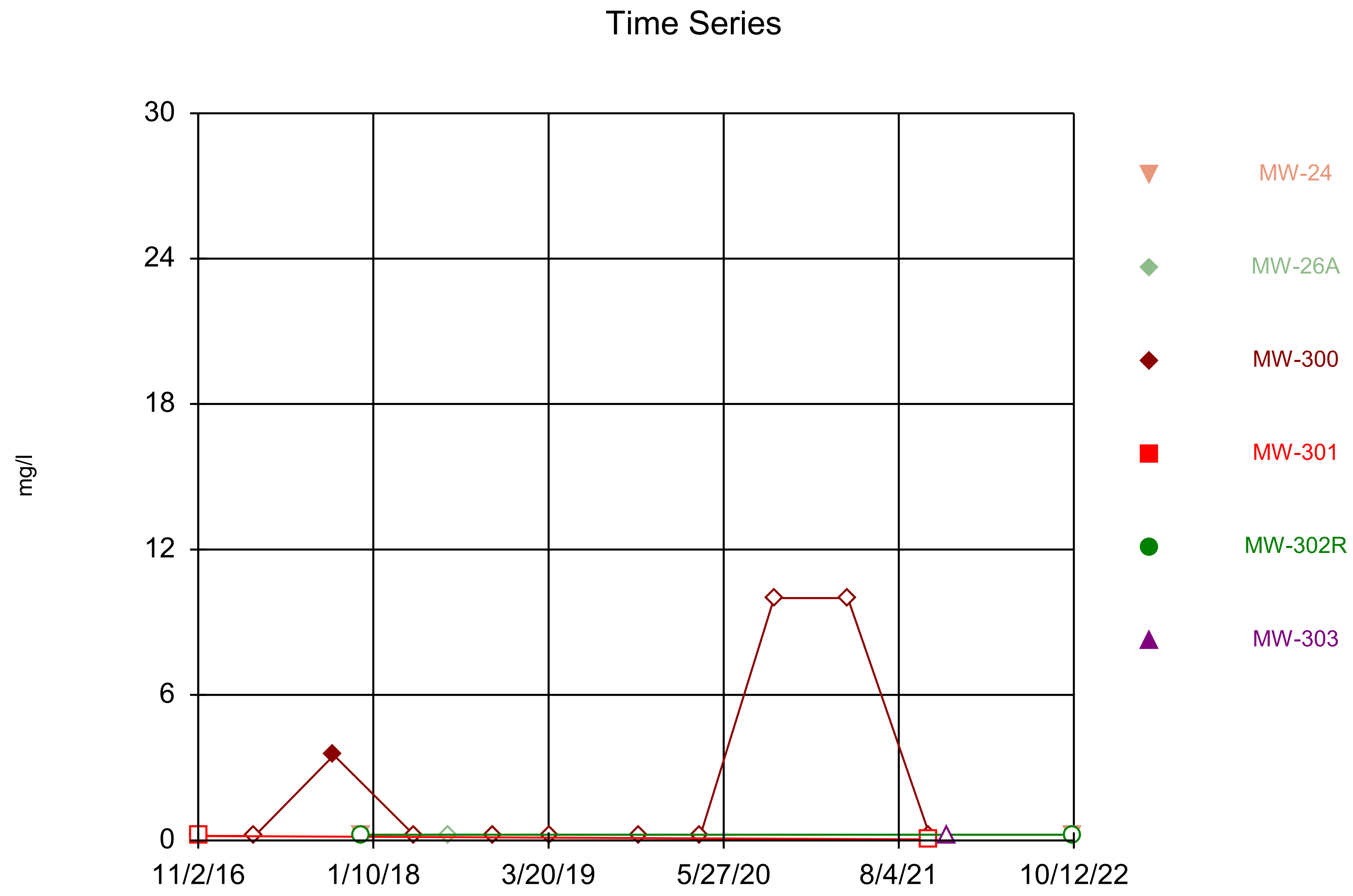

Constituent: Sulfide Analysis Run 11/15/2023 5:27 PM View: App I_Metals
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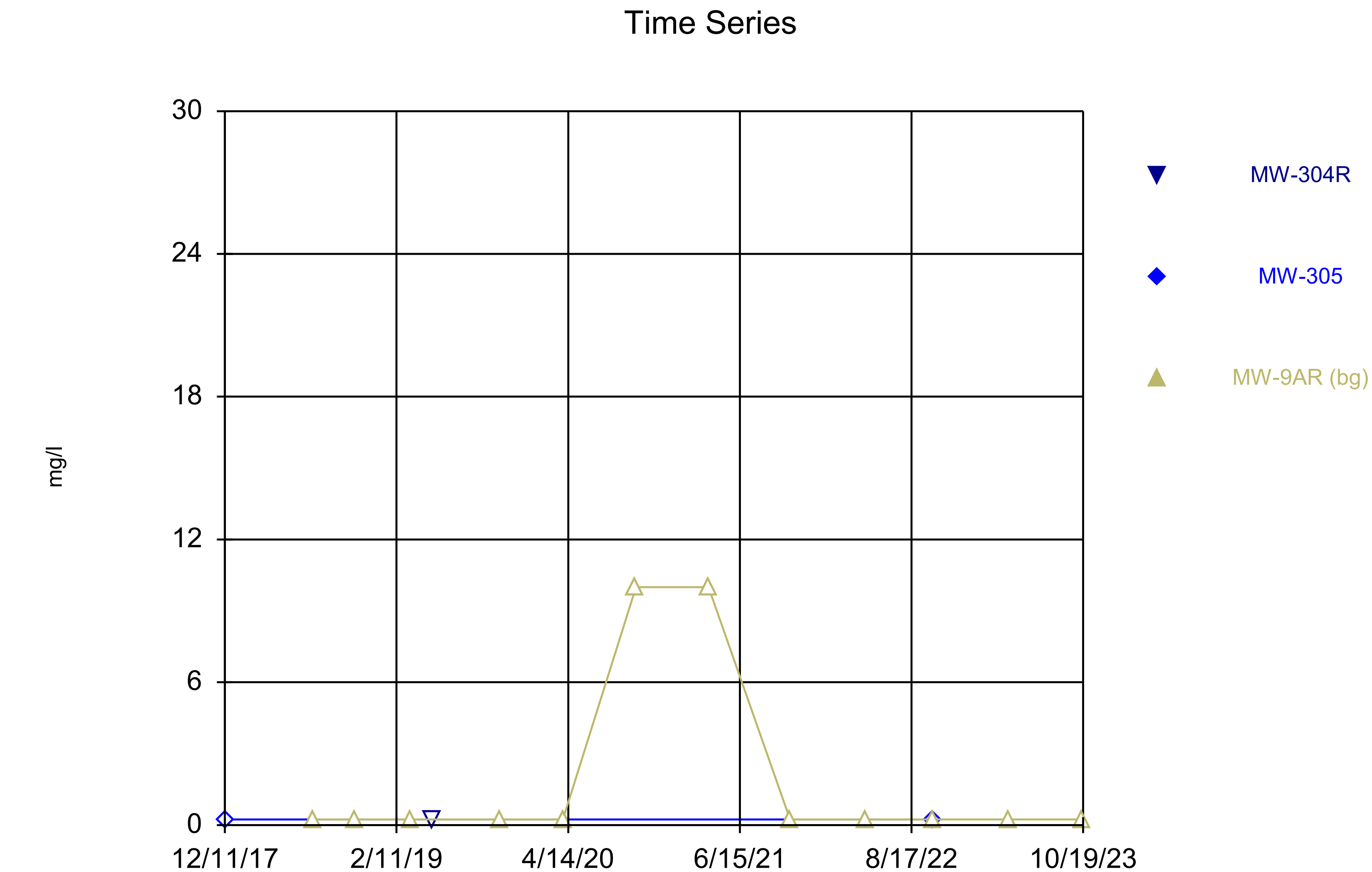

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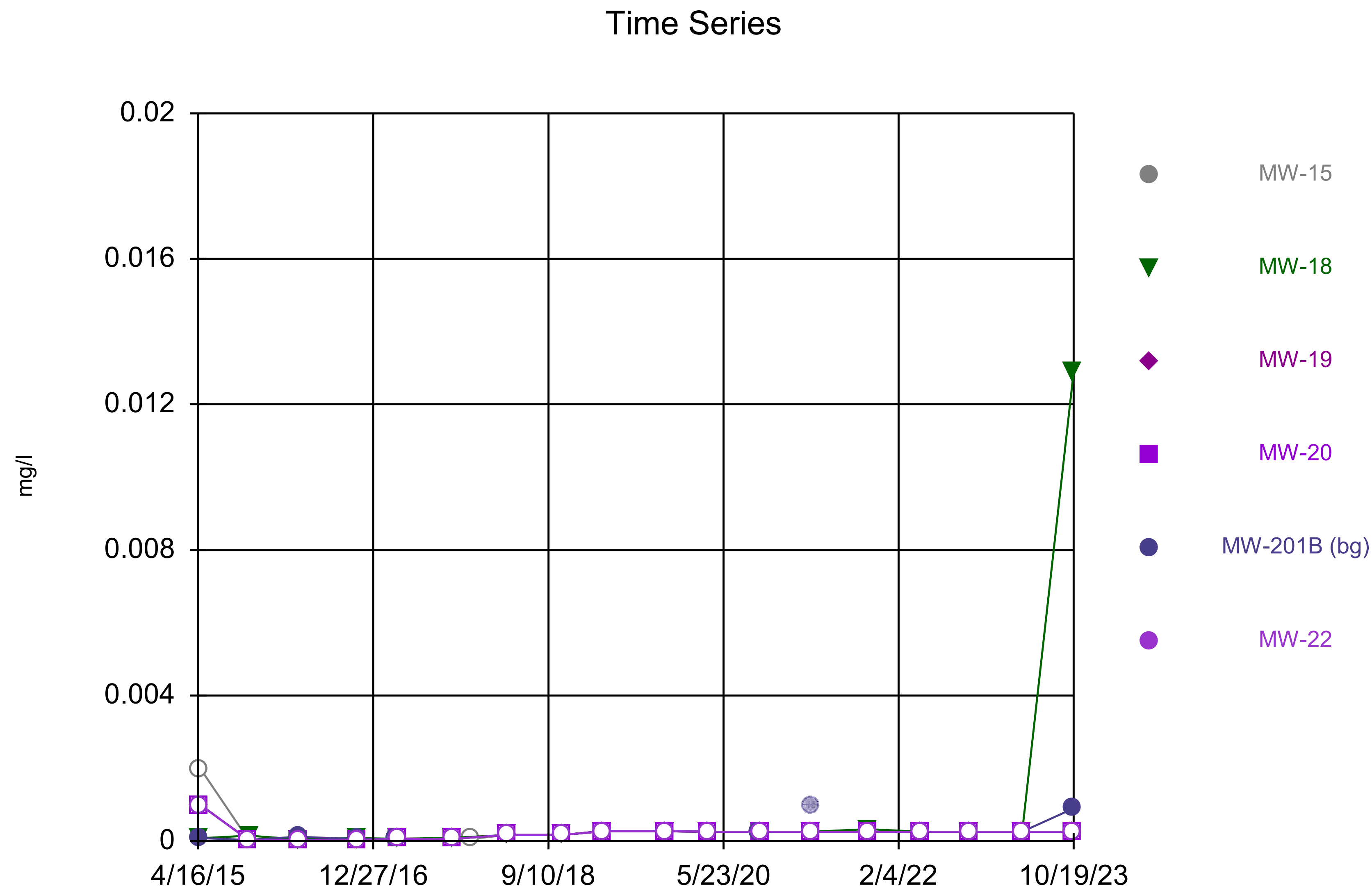

Constituent: Thallium Analysis Run 11/15/2023 5:27 PM View: App I_Metals
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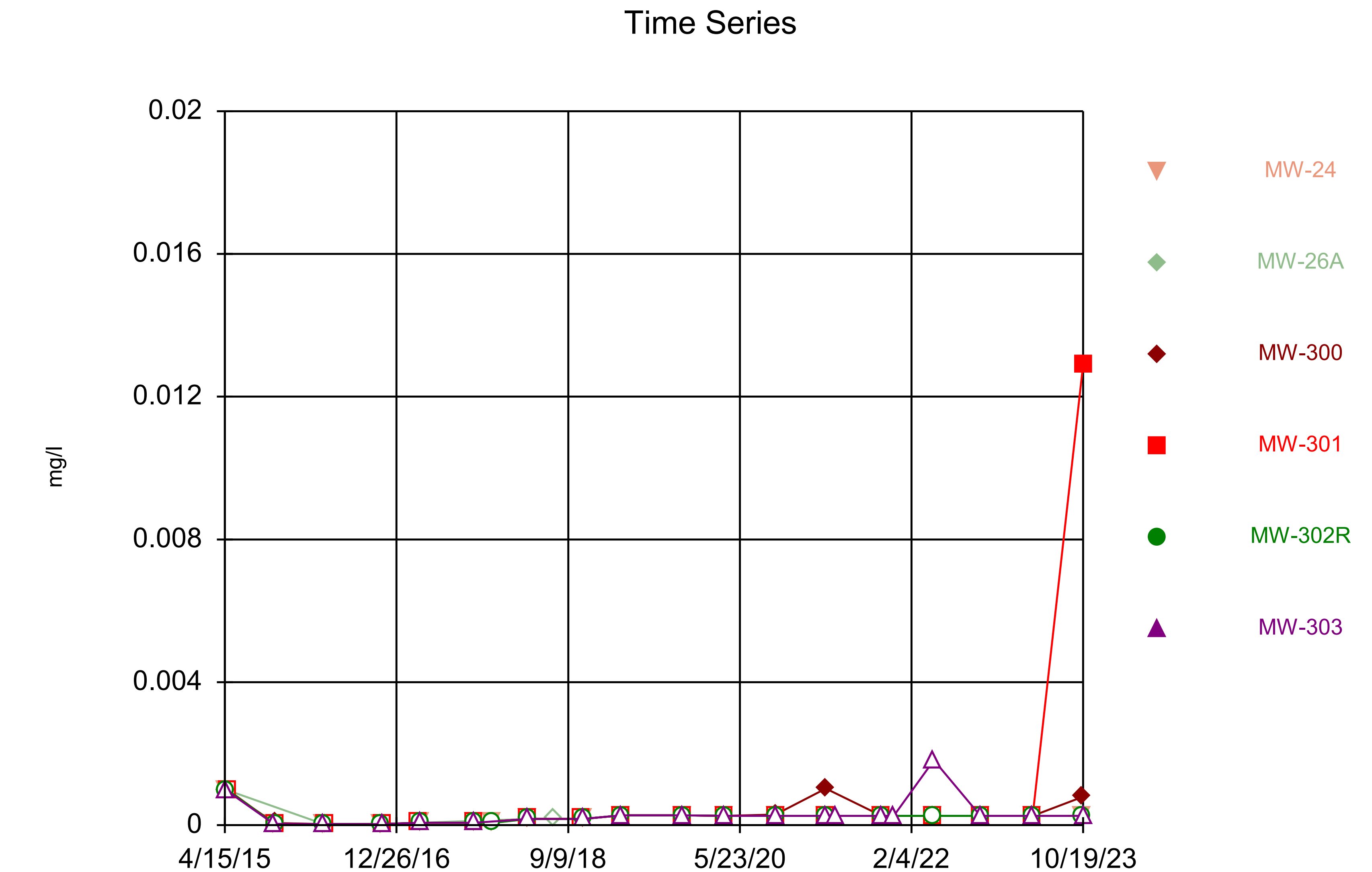

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Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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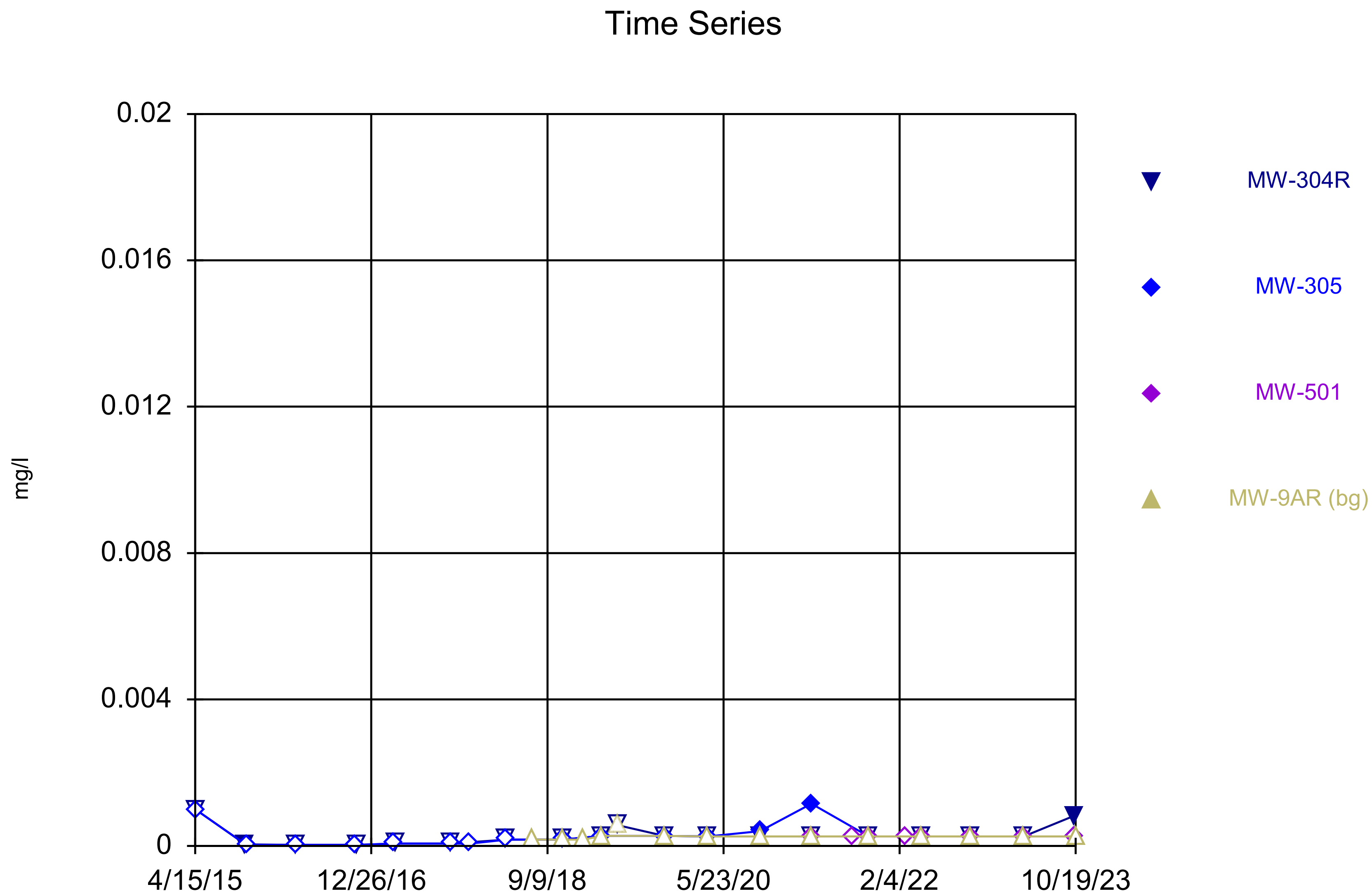
Hollow symbols indicate censored values.



Constituent: Thallium   Analysis Run 11/15/2023 5:27 PM   View: App I_Metals
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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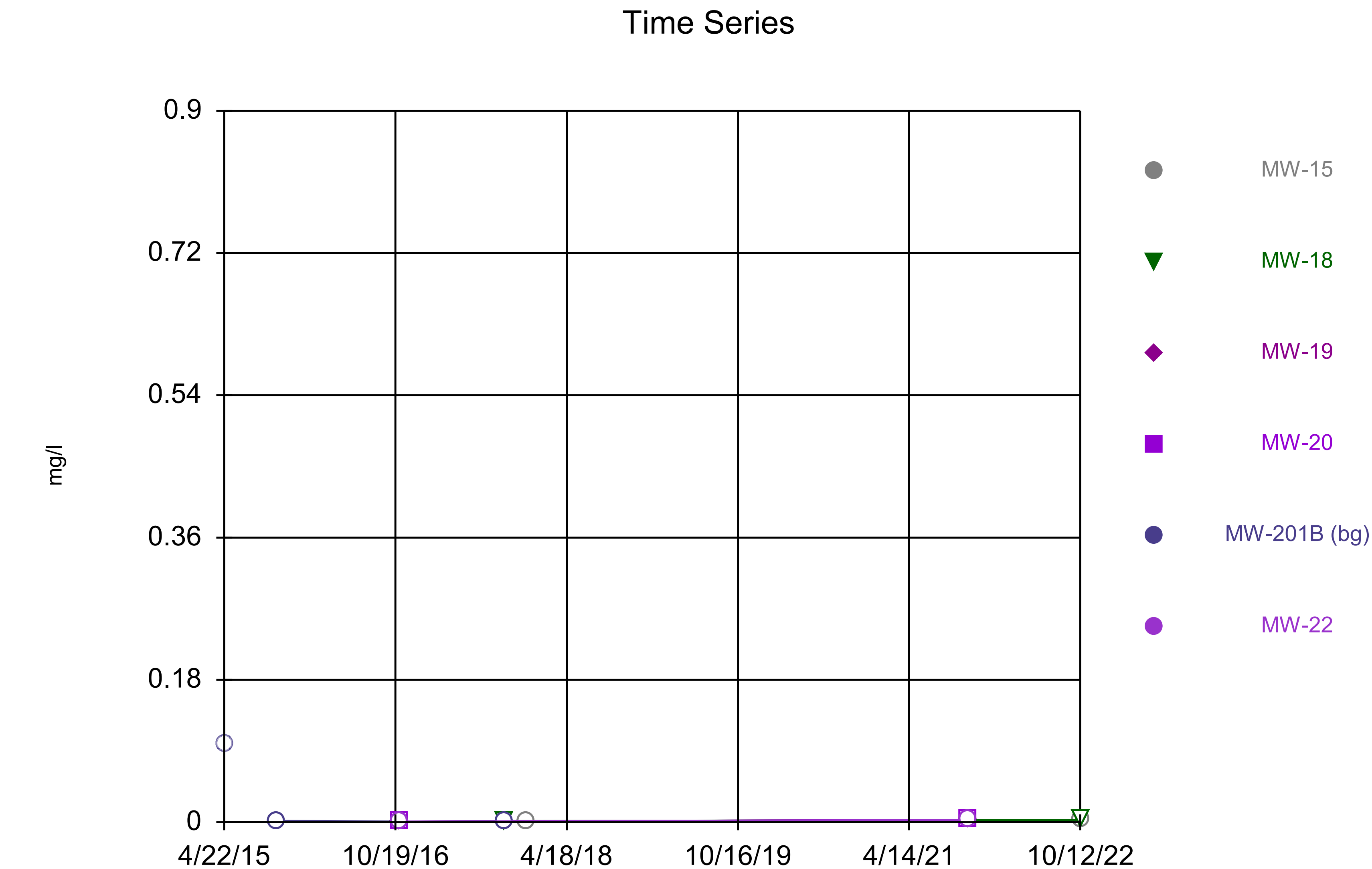

Constituent: Tin   Analysis Run 11/15/2023 5:27 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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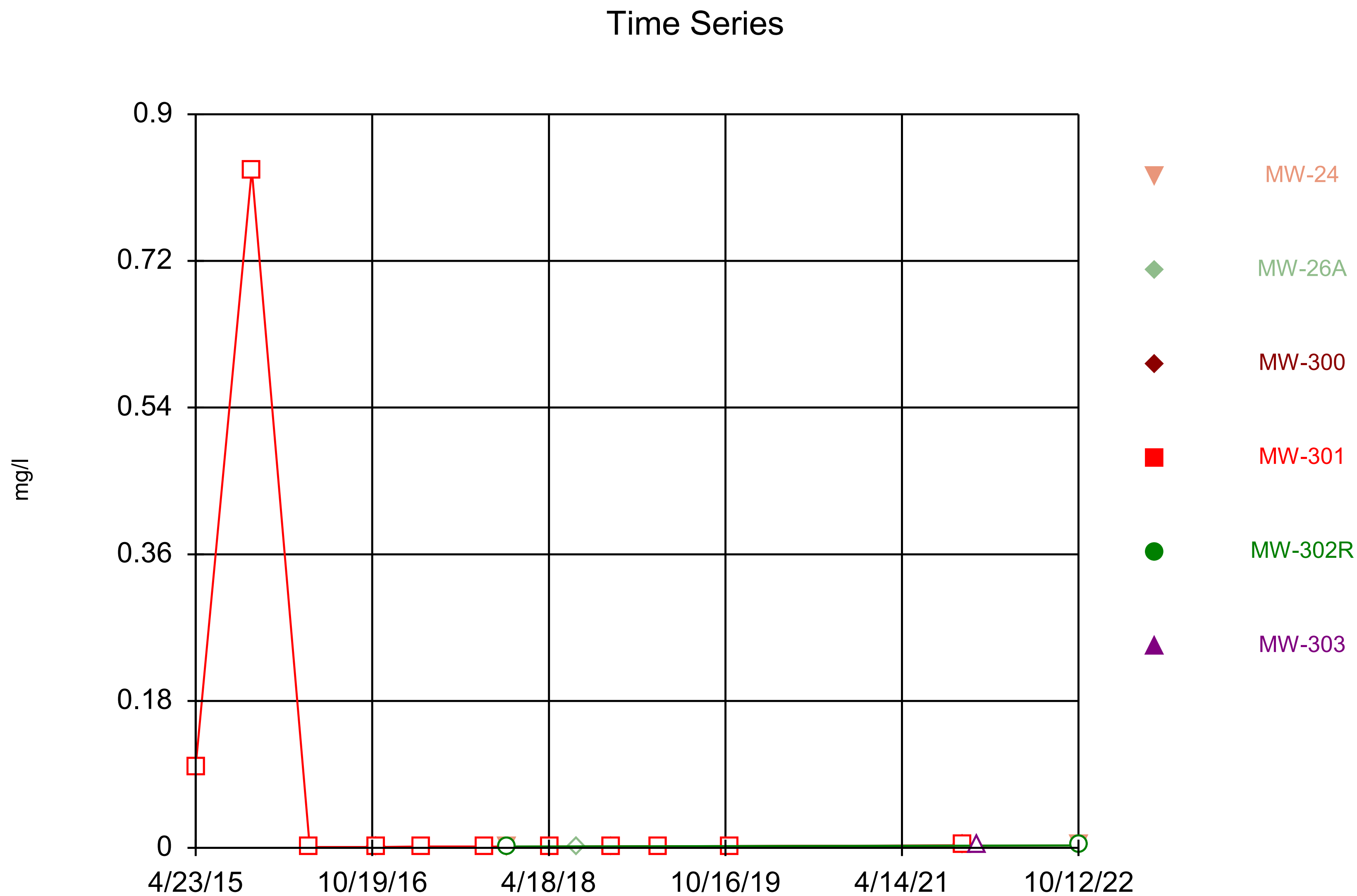

Constituent: Tin   Analysis Run 11/15/2023 5:27 PM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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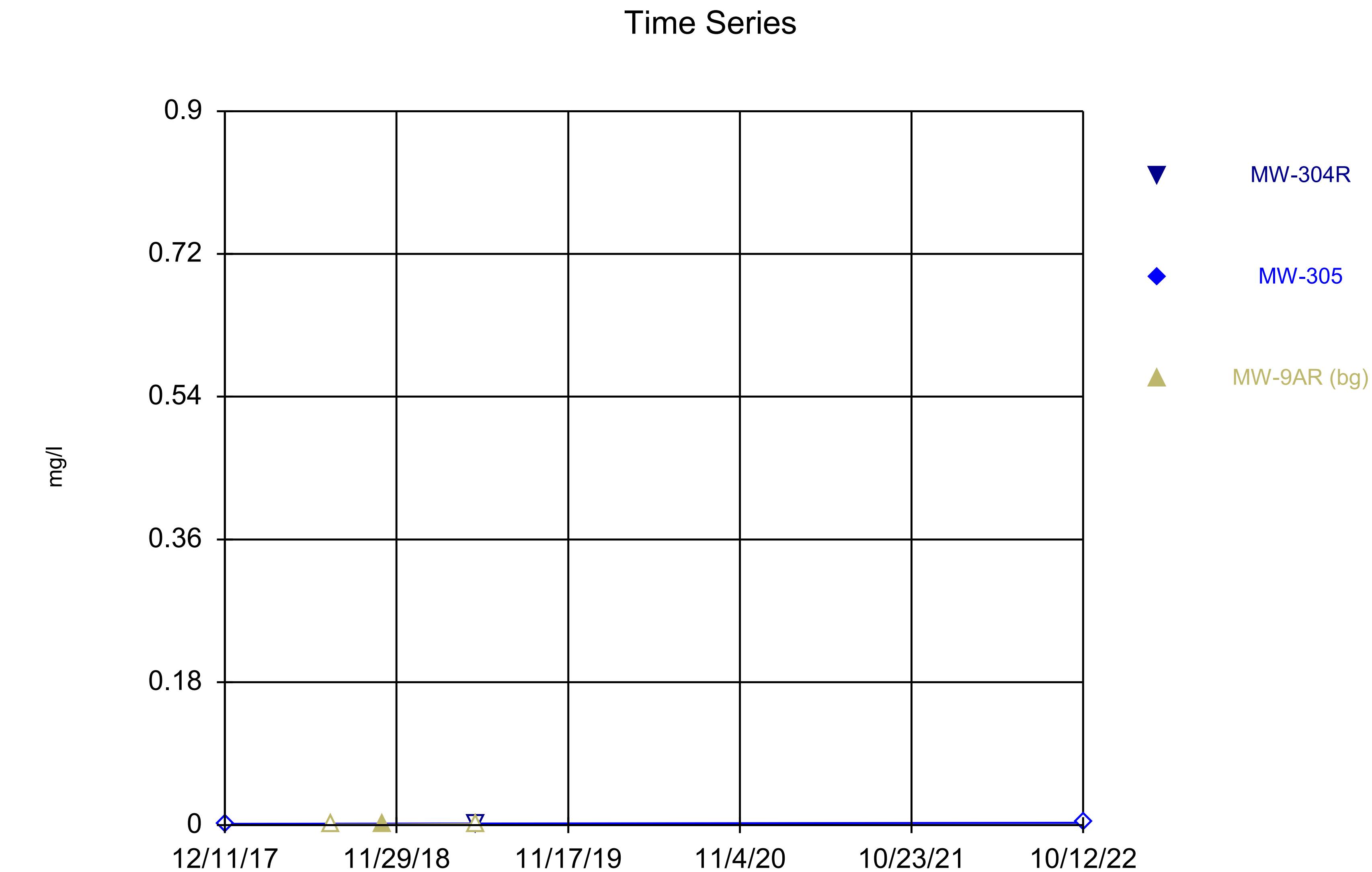

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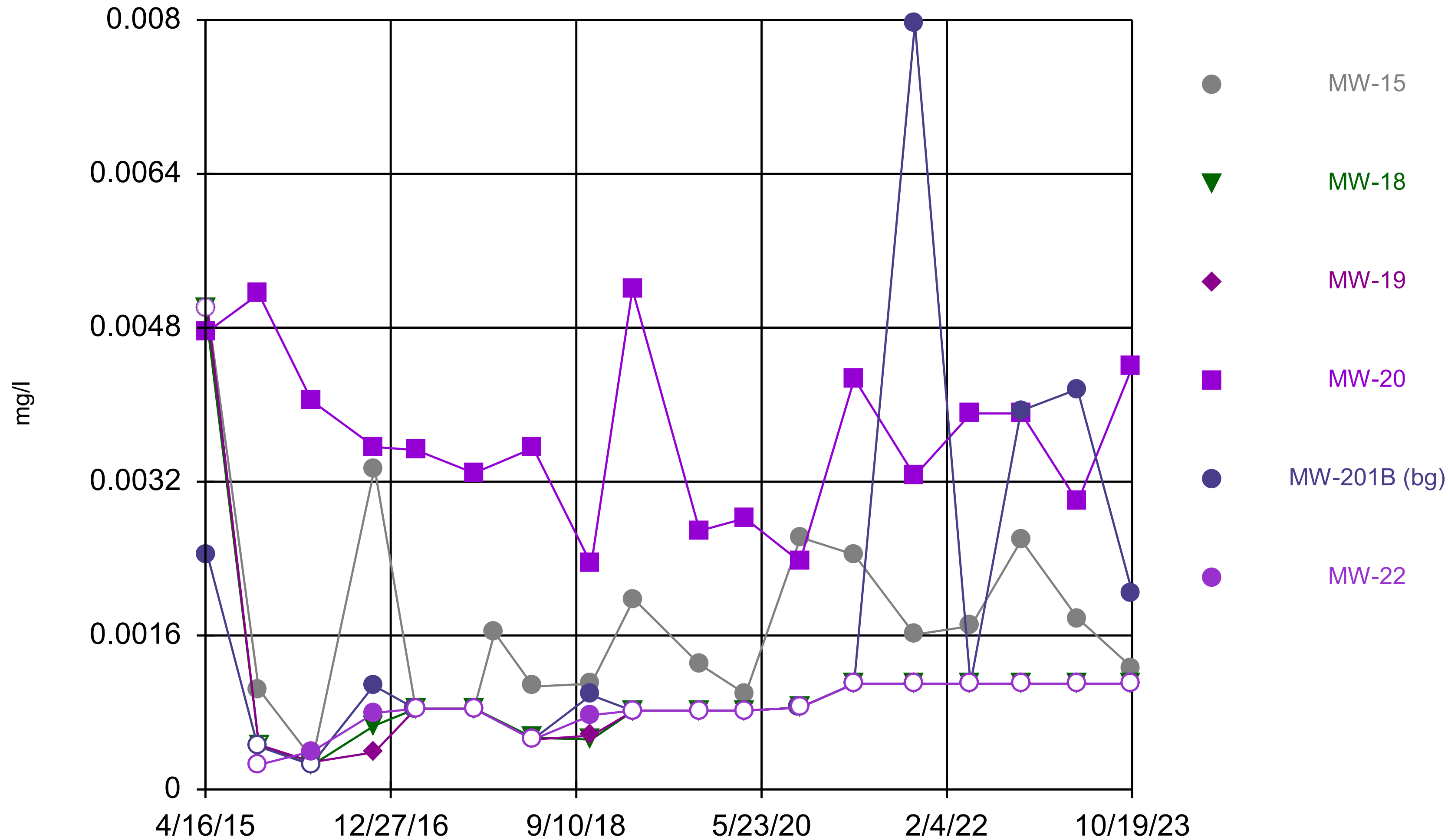
Time Series



Constituent: Vanadium   Analysis Run 11/15/2023 5:27 PM   View: App I_Metals
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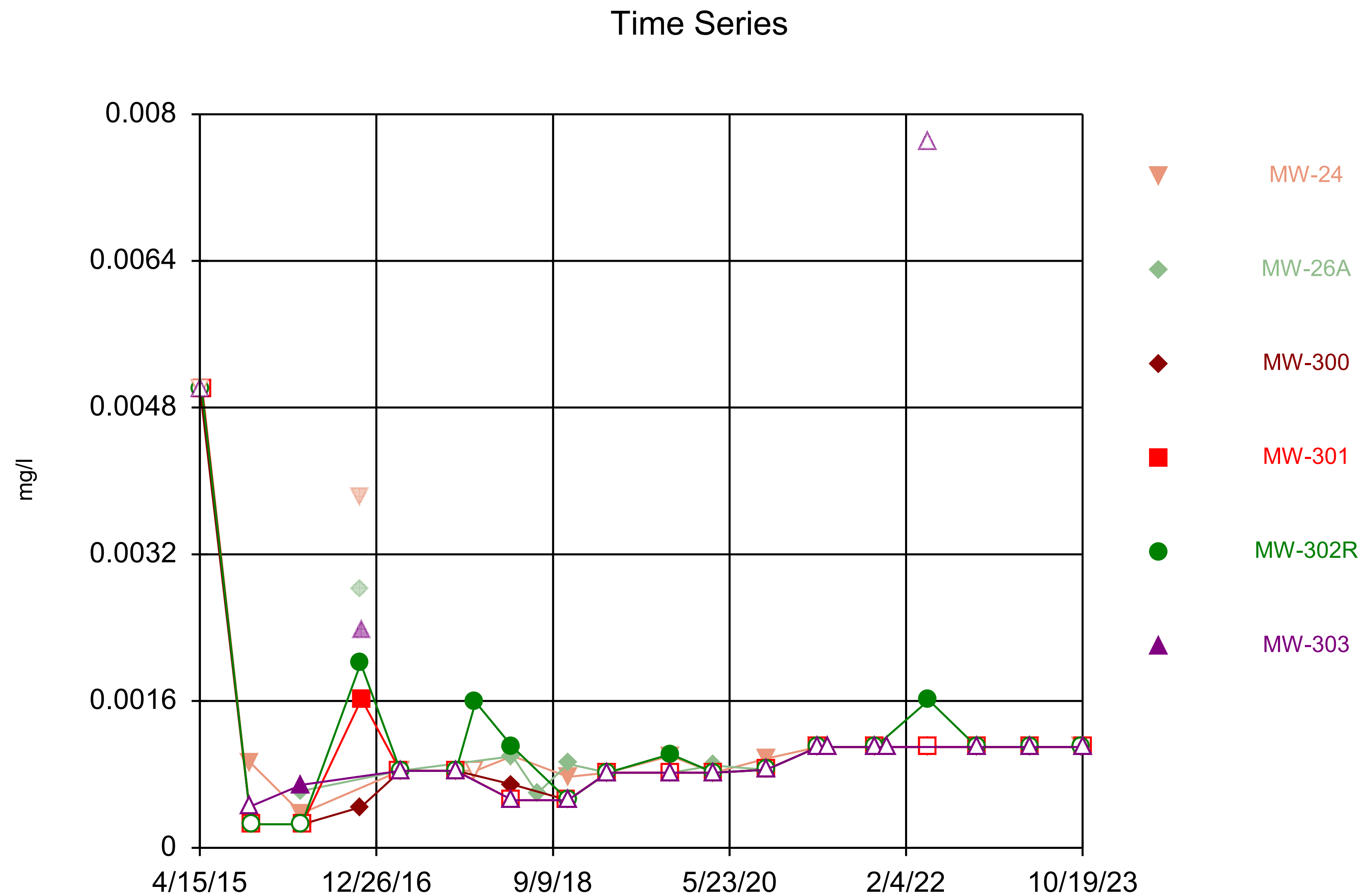

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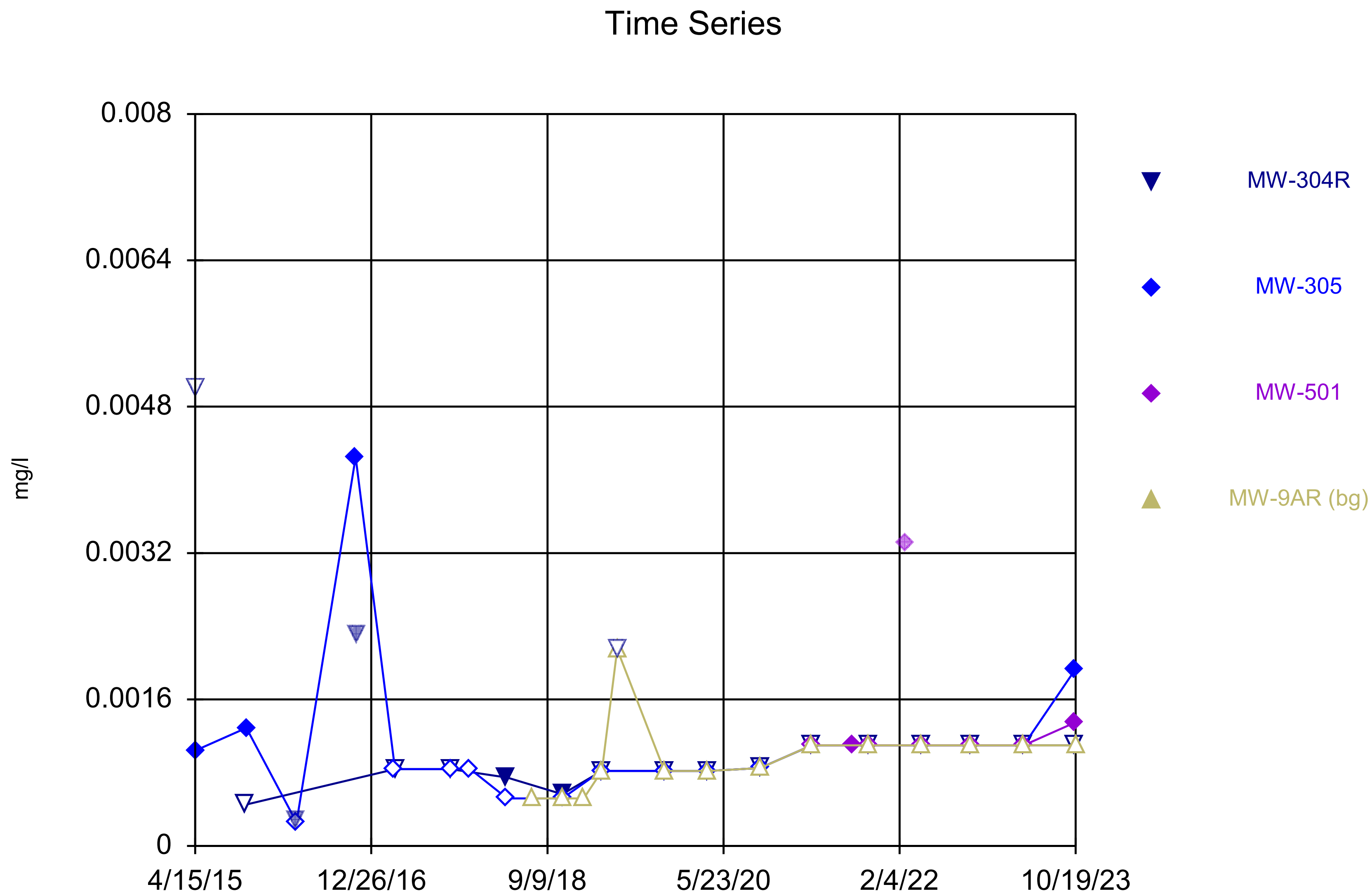

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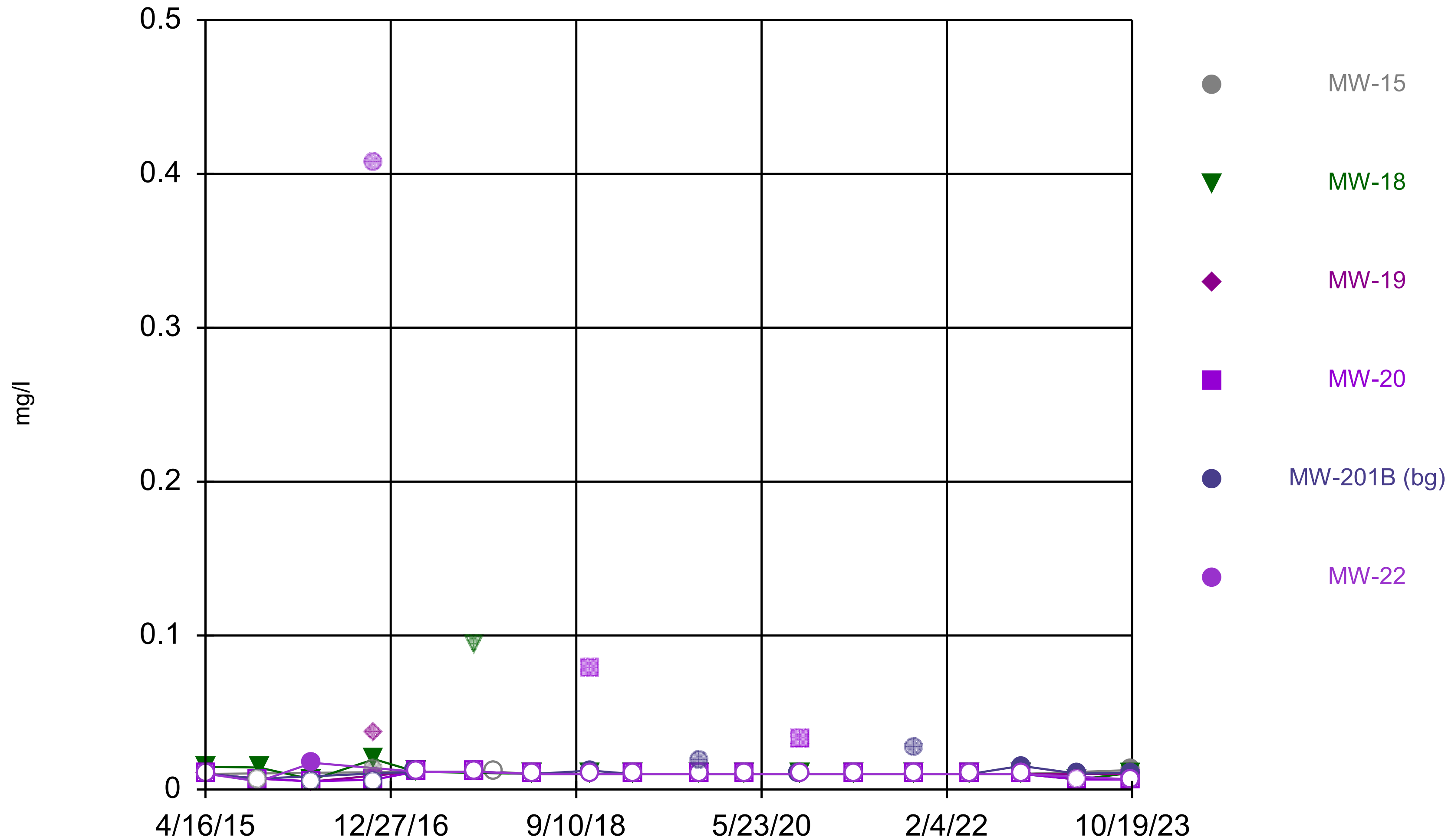
Time Series



Constituent: Zinc Analysis Run 11/15/2023 5:27 PM View: App I_Metals
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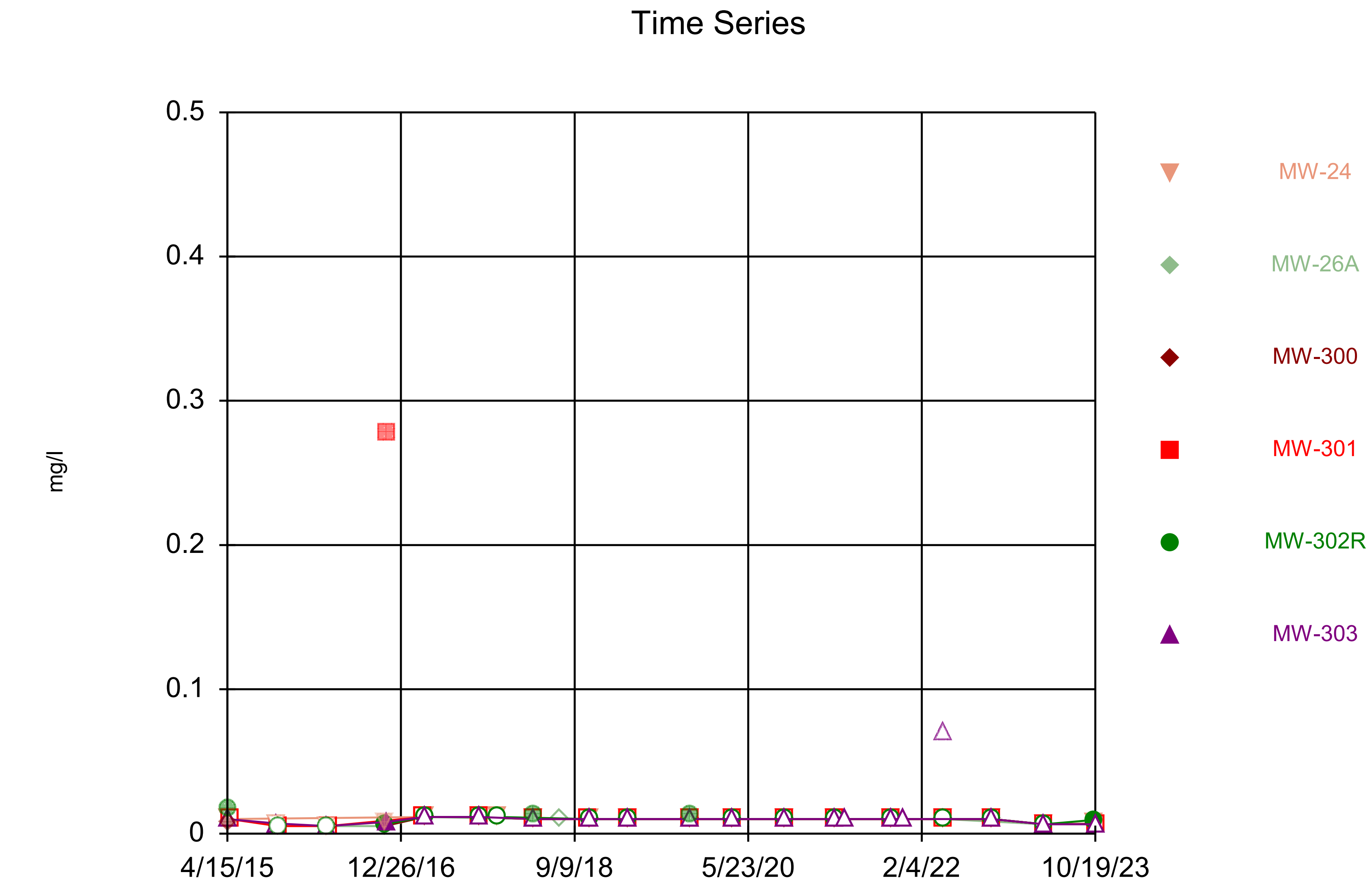

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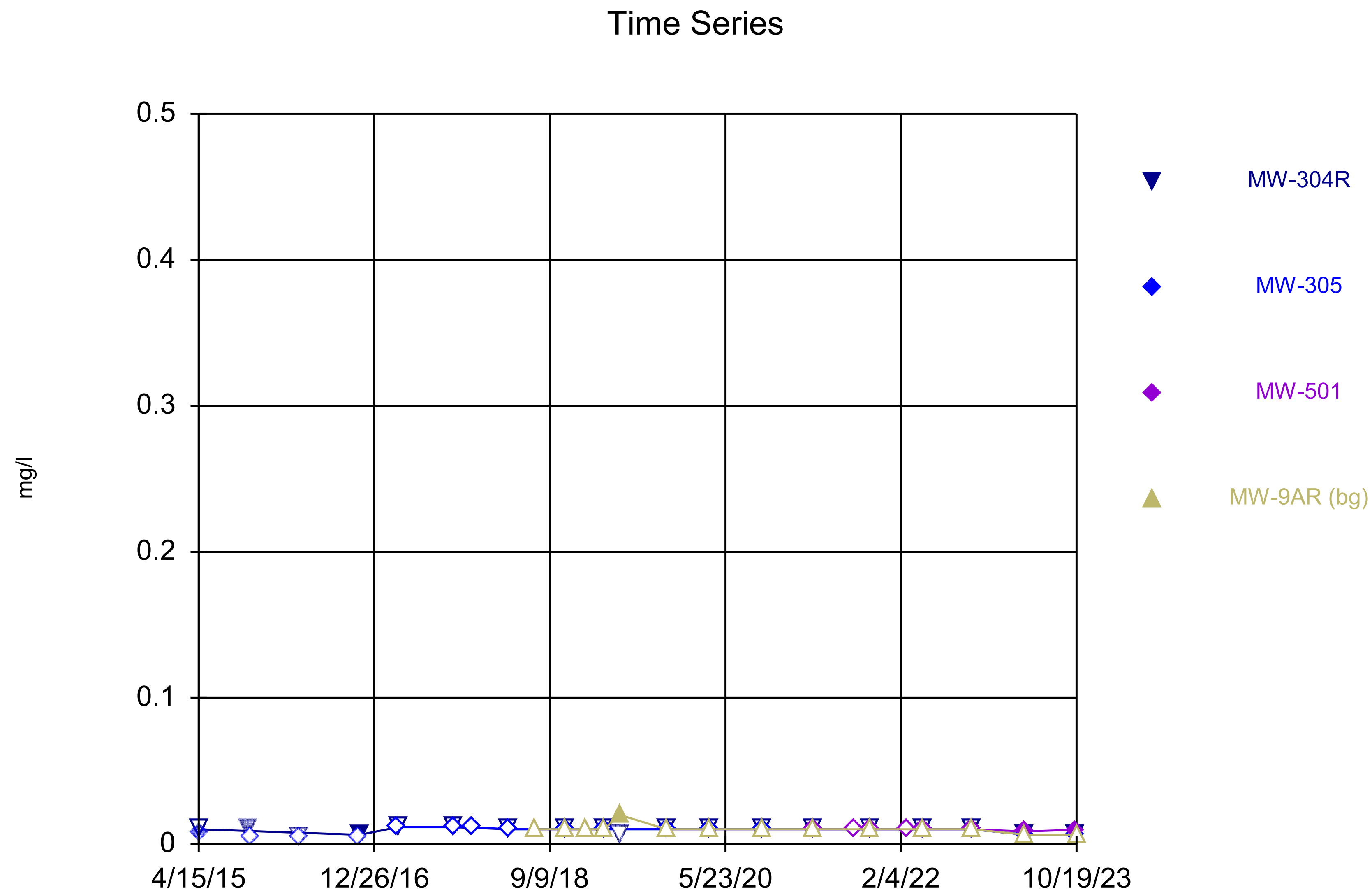

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Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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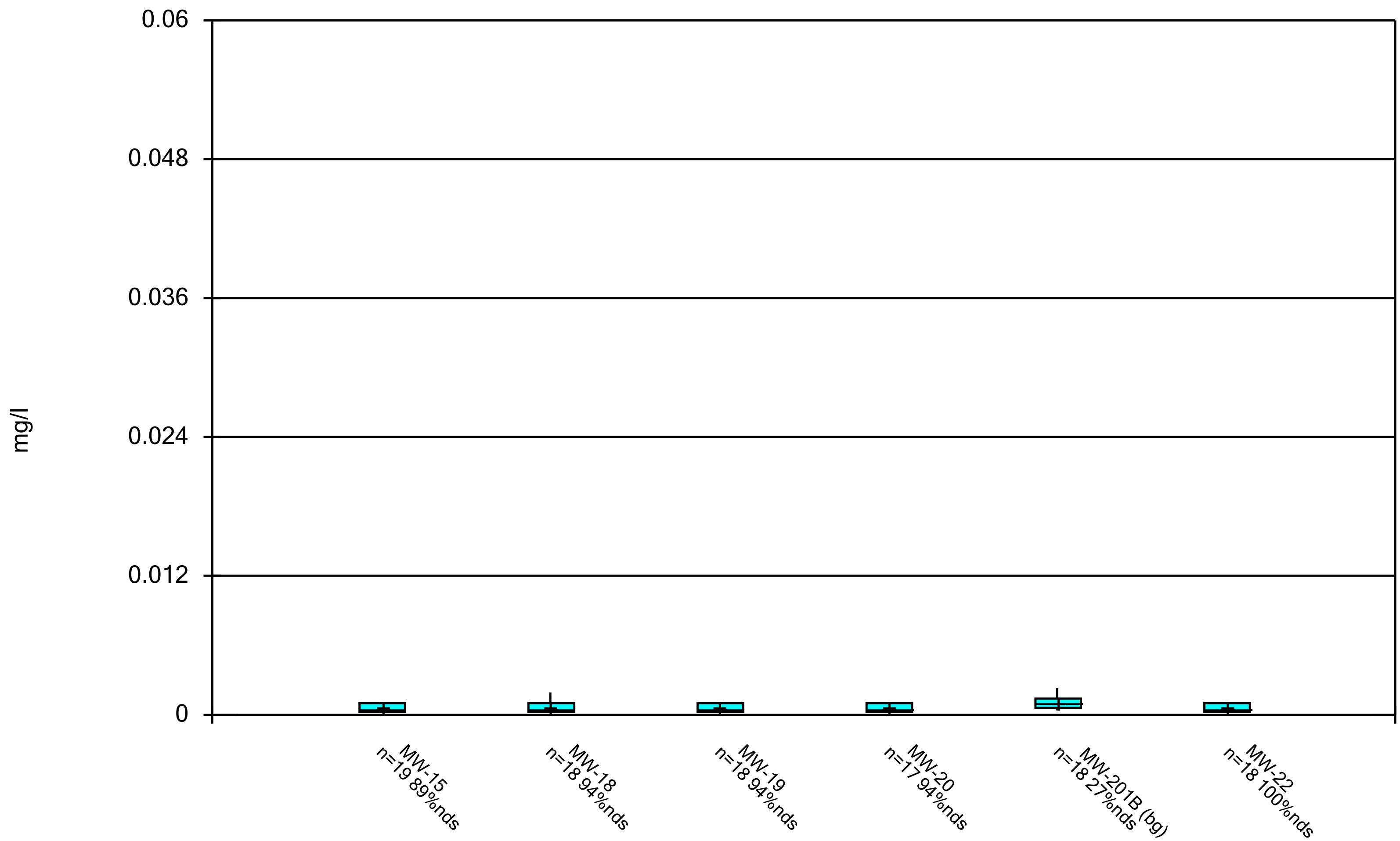
Box & Whiskers Plot



Constituent: Antimony   Analysis Run 11/20/2023 9:32 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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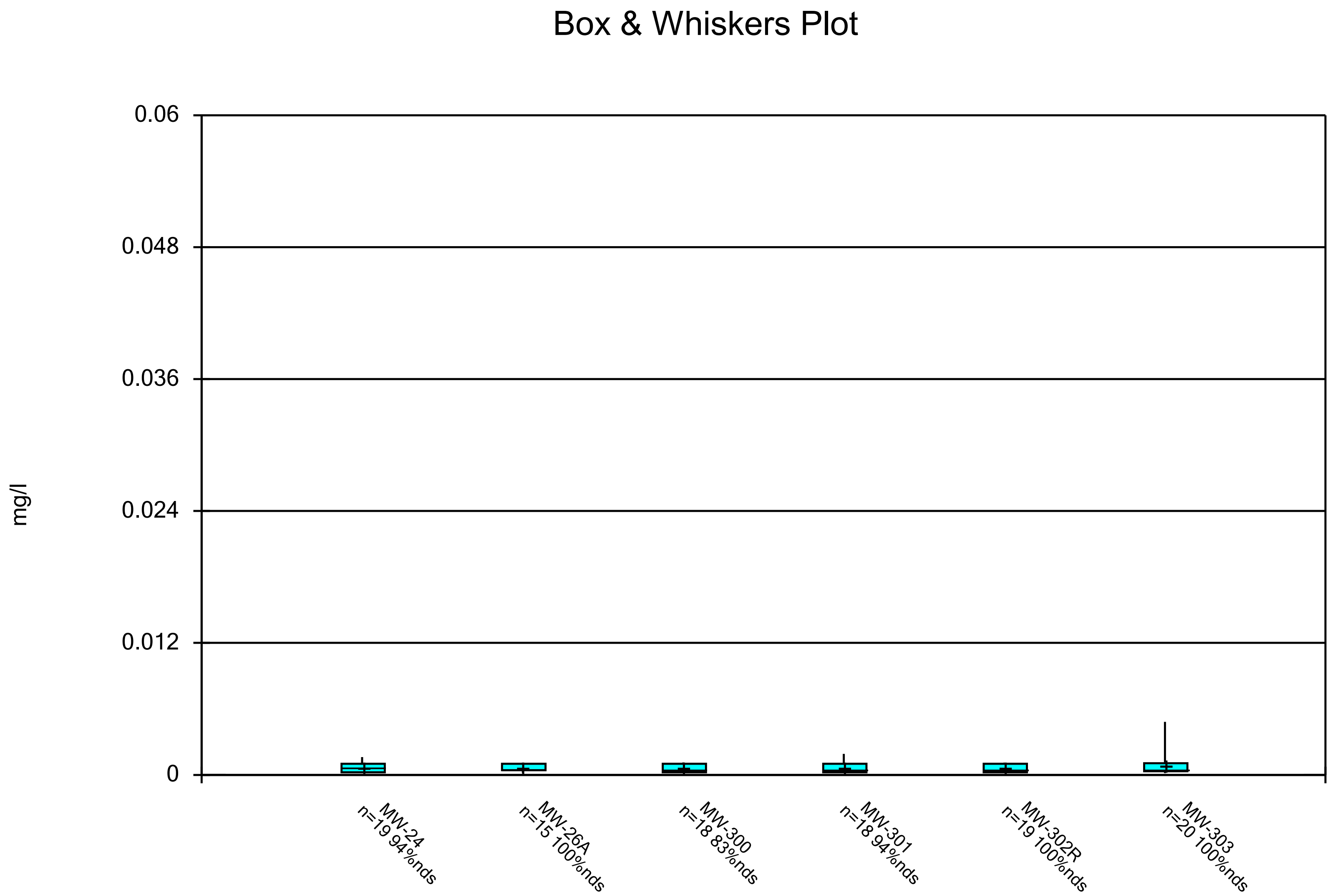

Constituent: Antimony Analysis Run 11/20/2023 9:32 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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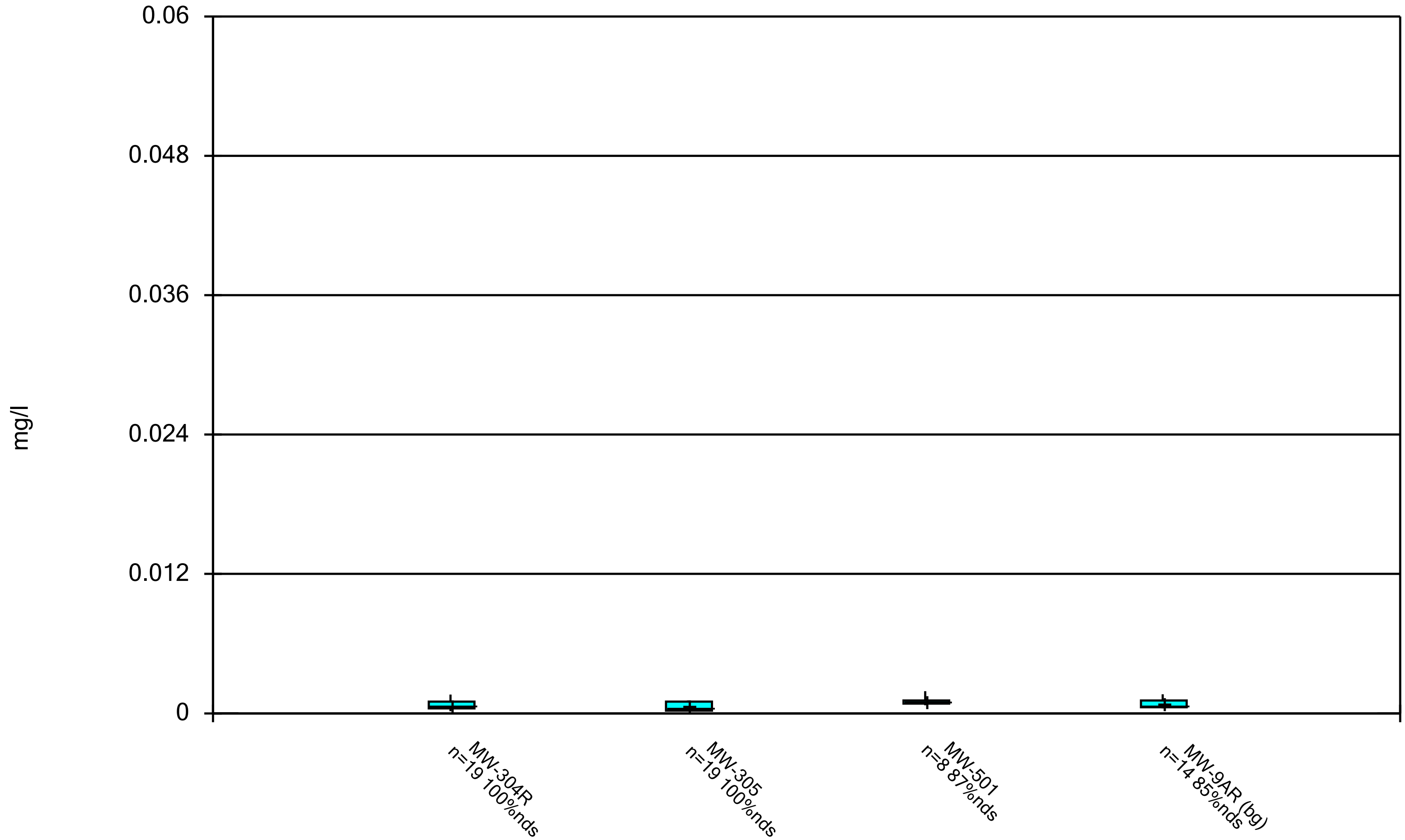
Box & Whiskers Plot



Constituent: Antimony Analysis Run 11/20/2023 9:32 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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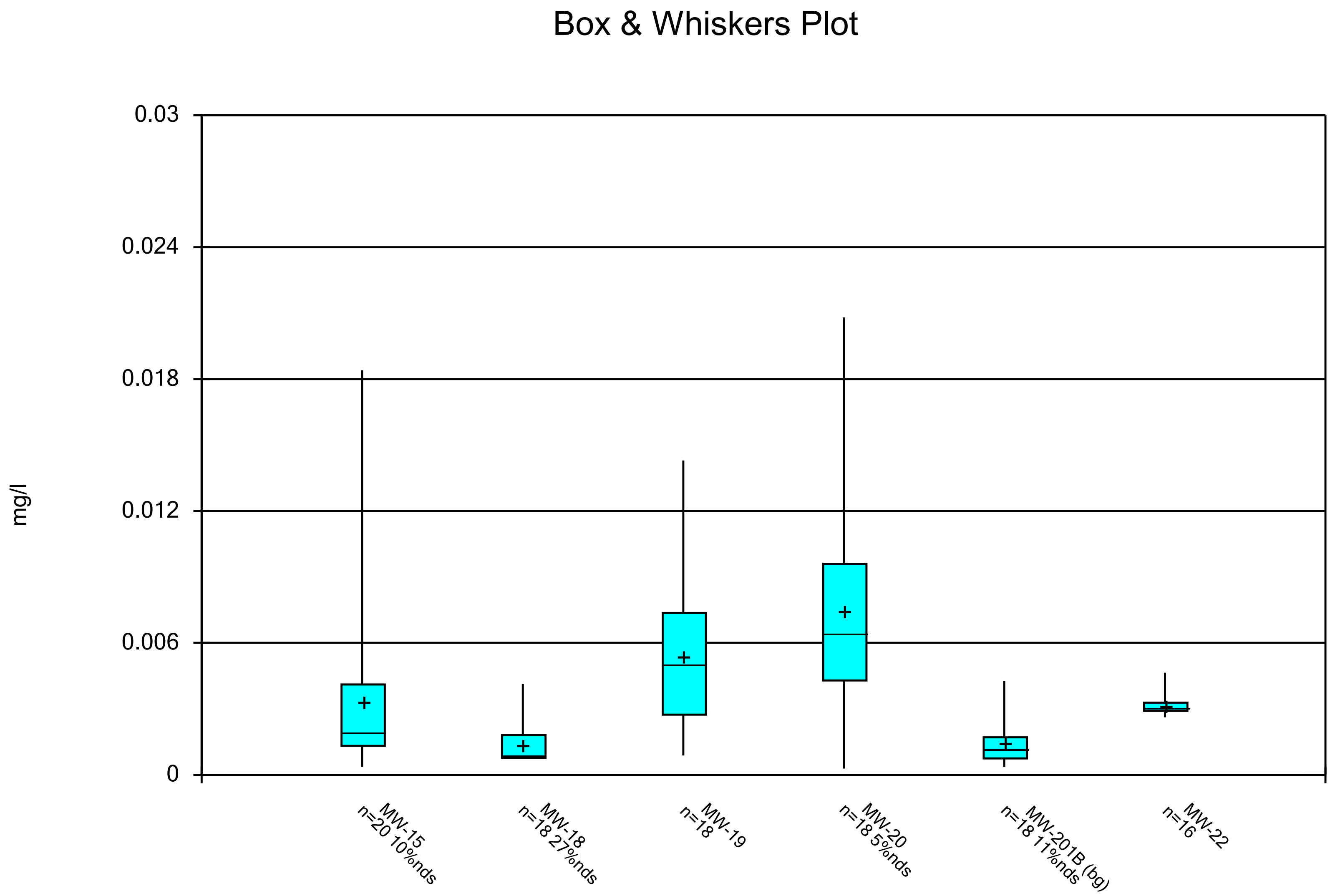

Constituent: Arsenic Analysis Run 11/20/2023 9:32 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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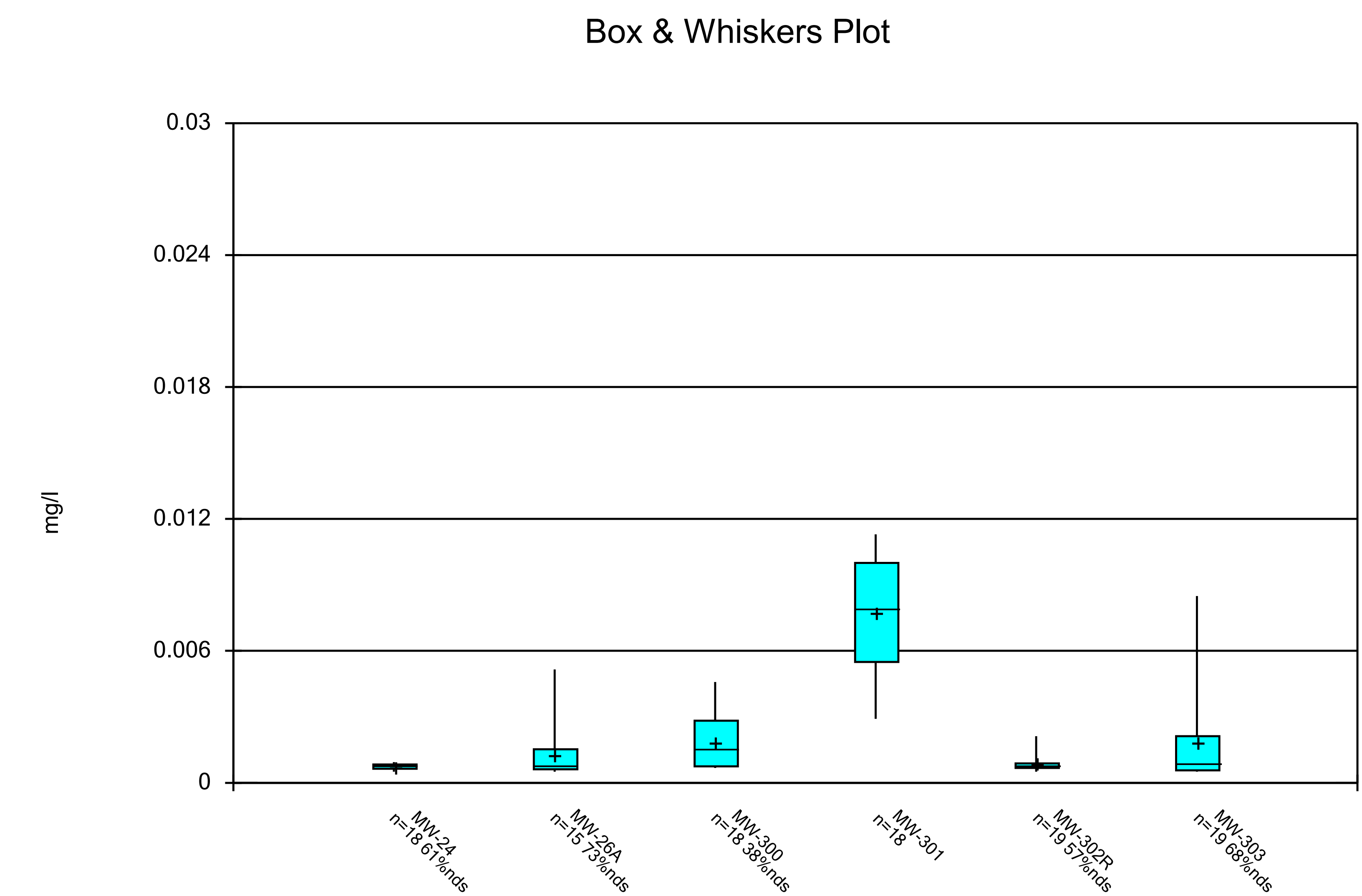

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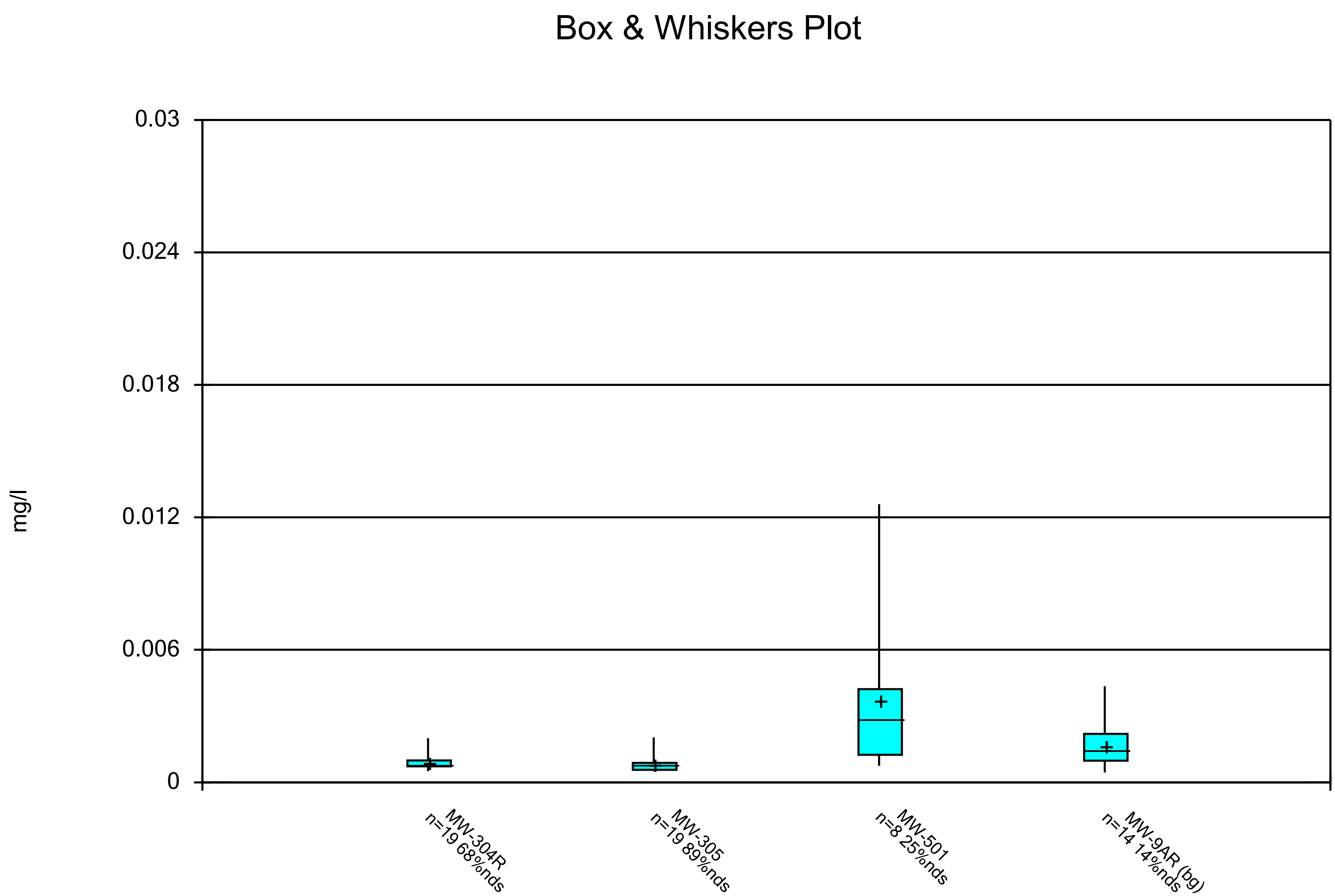
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG



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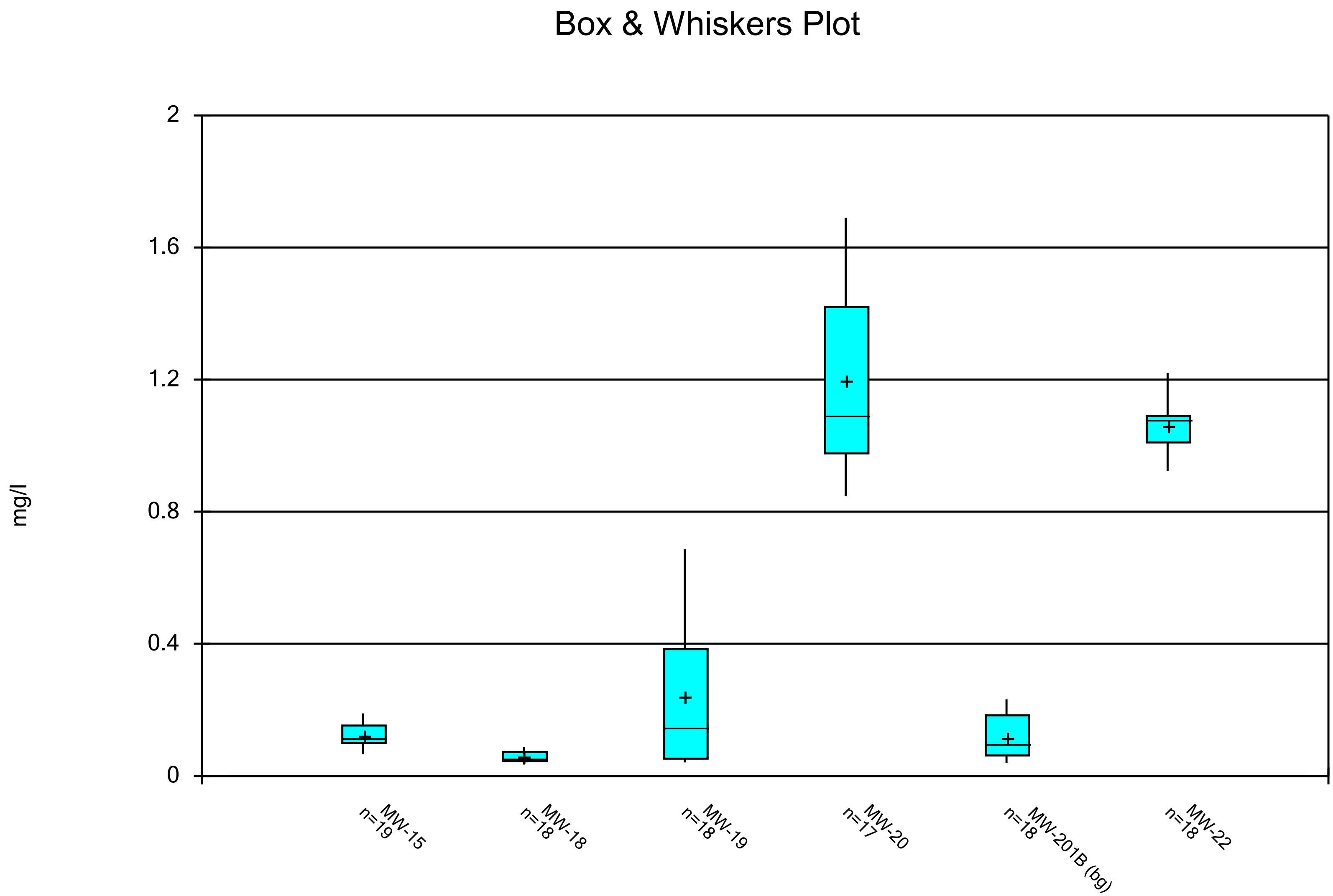
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG



Constituent: Barium   Analysis Run 11/20/2023 9:32 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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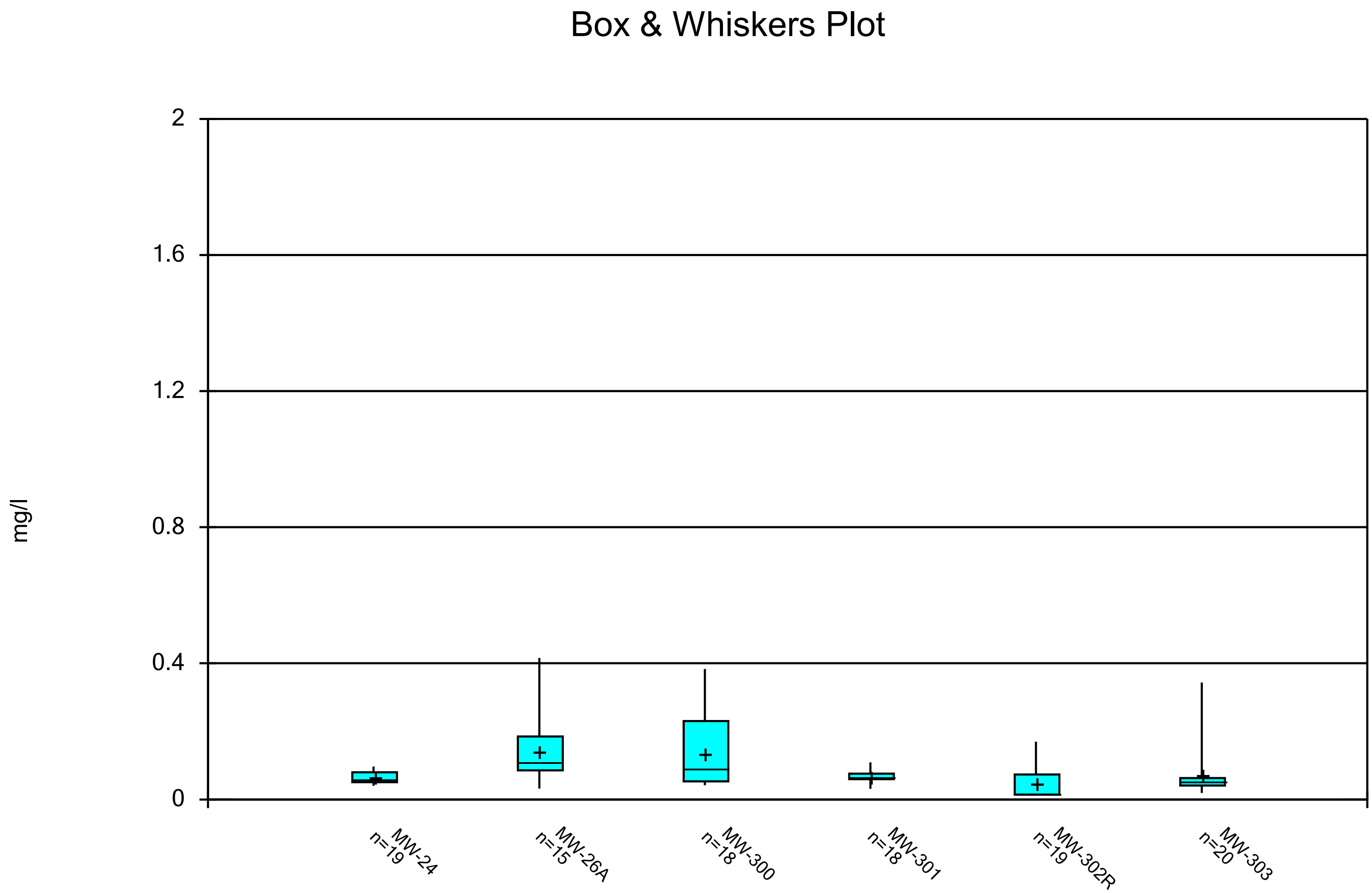
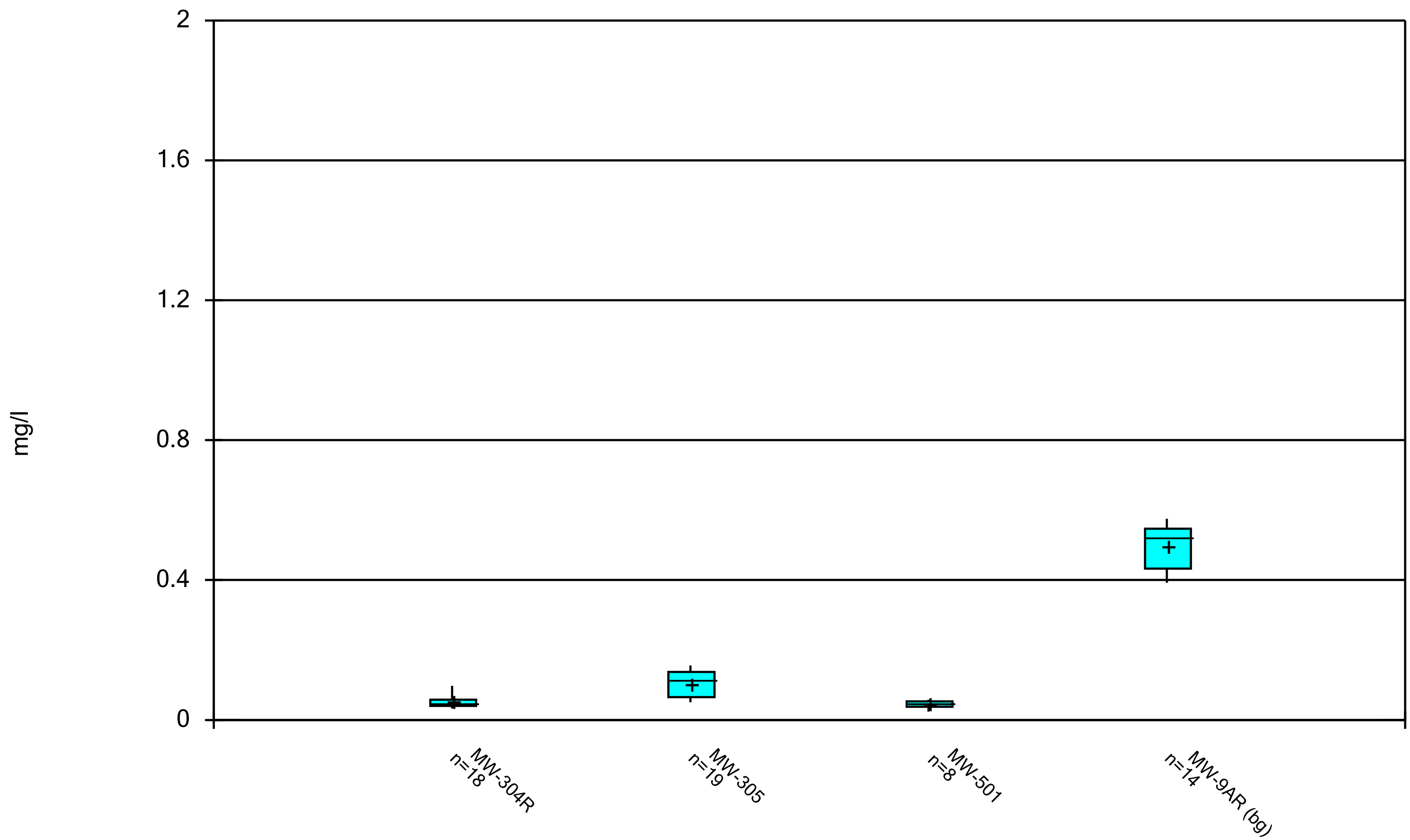


Constituent: Barium   Analysis Run 11/20/2023 9:32 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Box & Whiskers Plot



Constituent: Barium   Analysis Run 11/20/2023 9:32 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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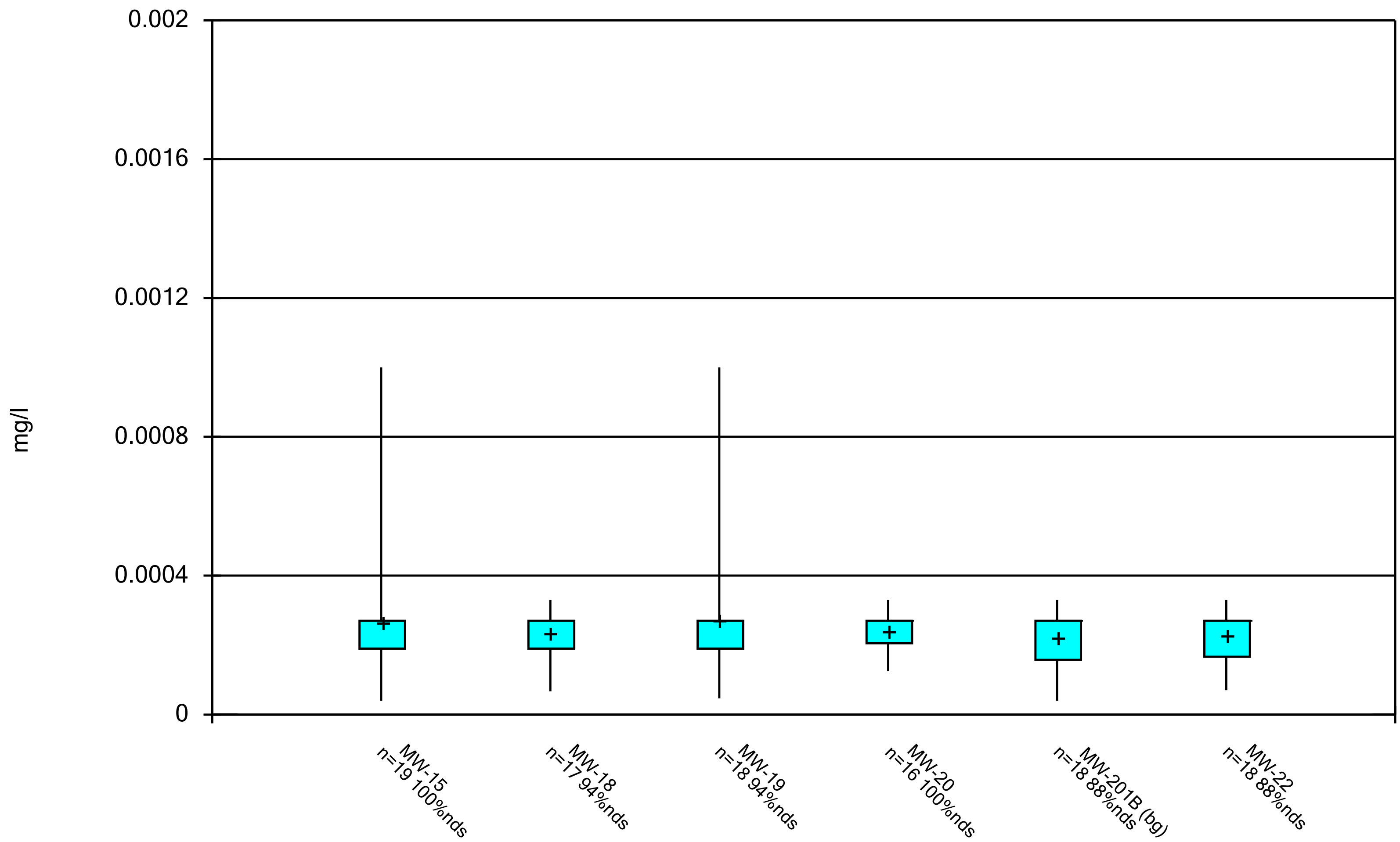
Box & Whiskers Plot



Constituent: Beryllium   Analysis Run 11/20/2023 9:32 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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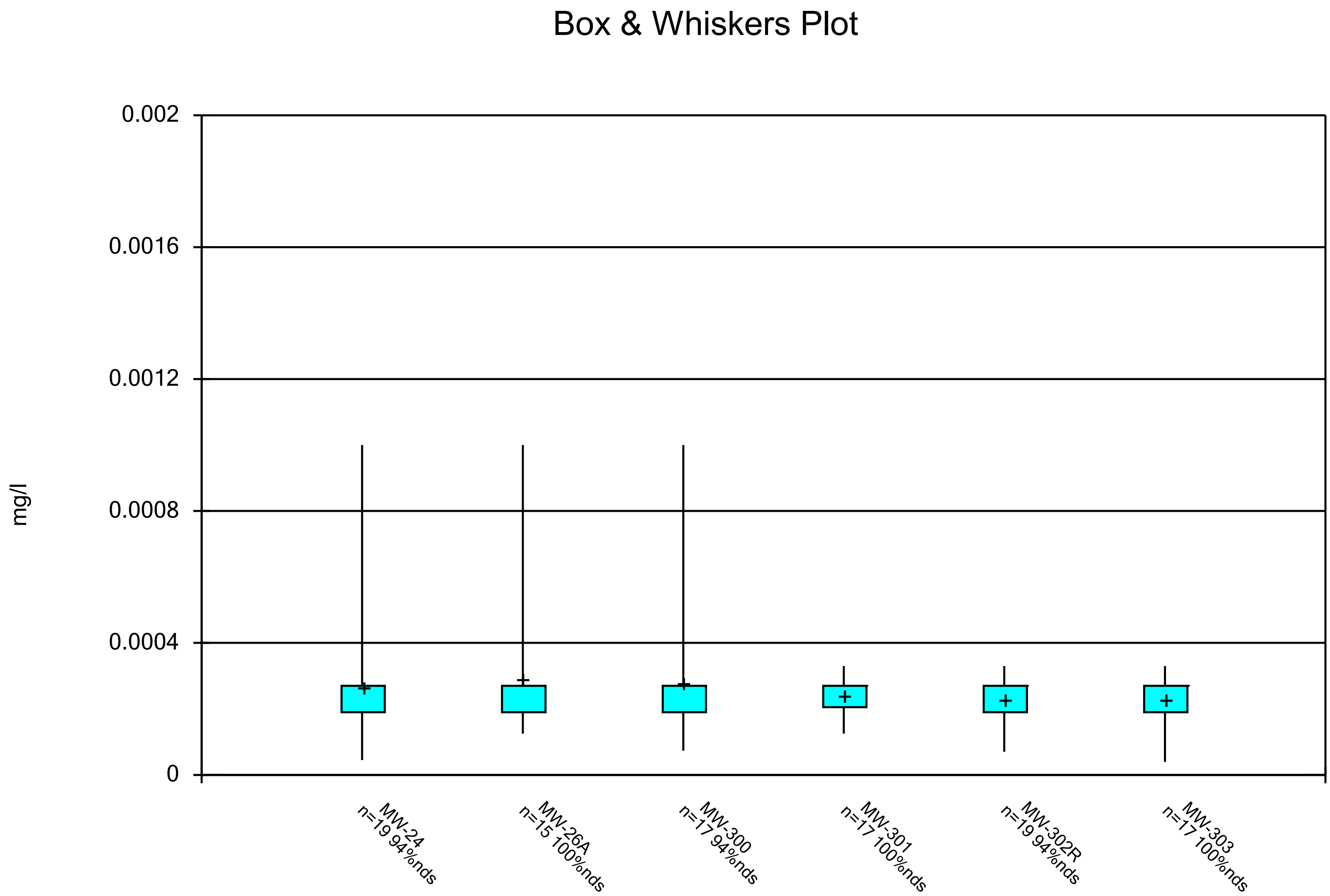

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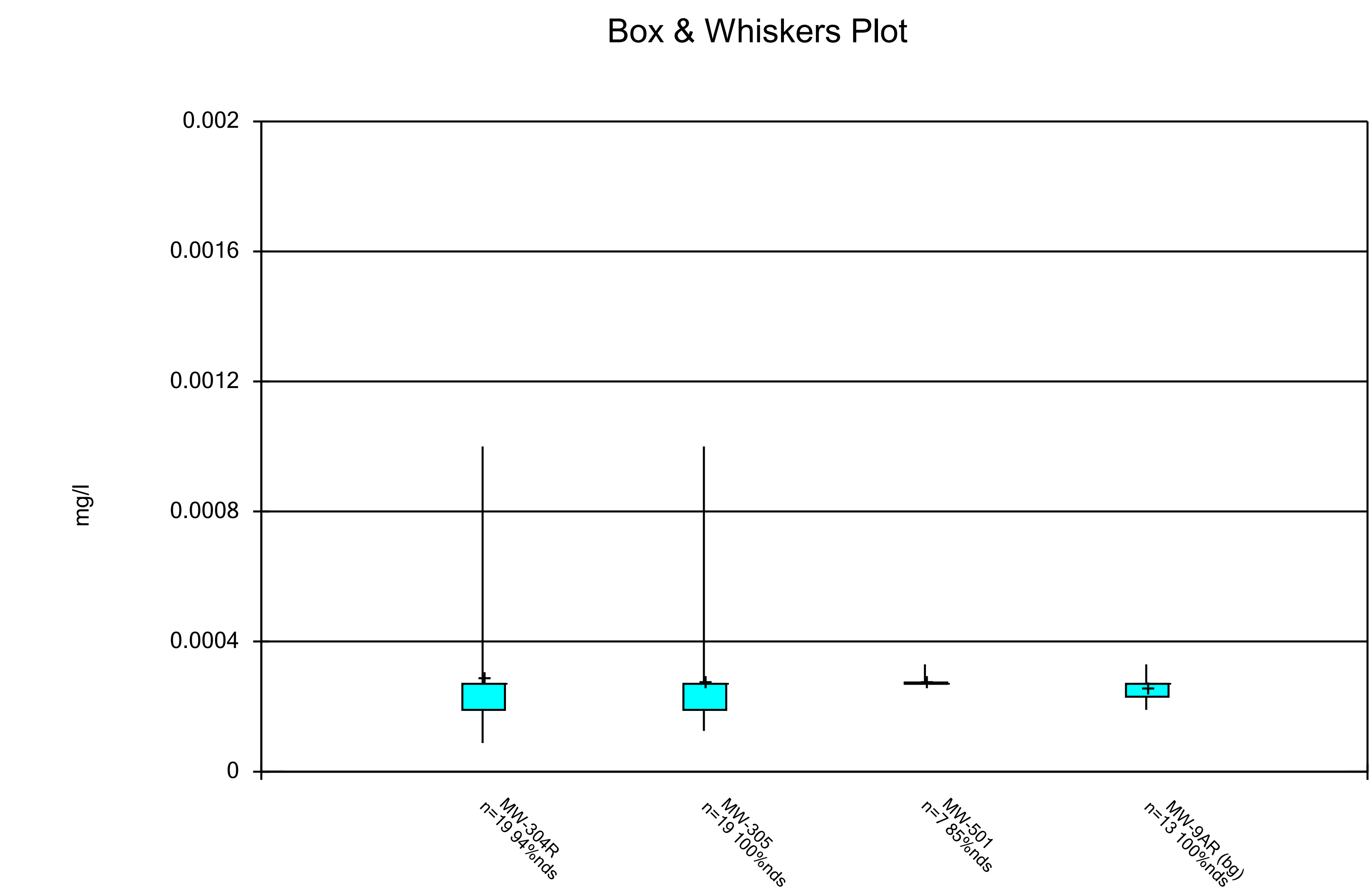
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database



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Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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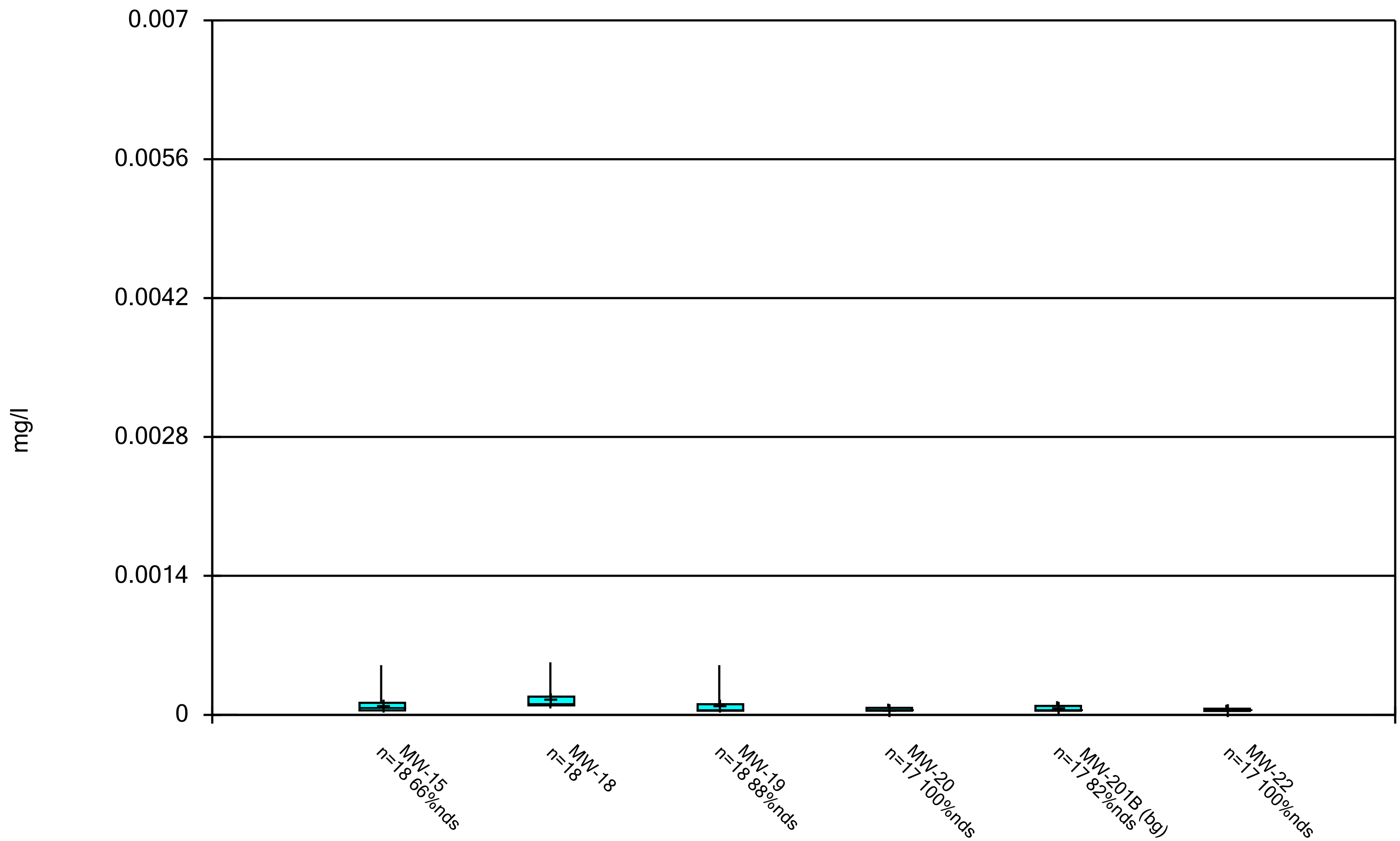
Box & Whiskers Plot



Constituent: Cadmium   Analysis Run 11/20/2023 9:32 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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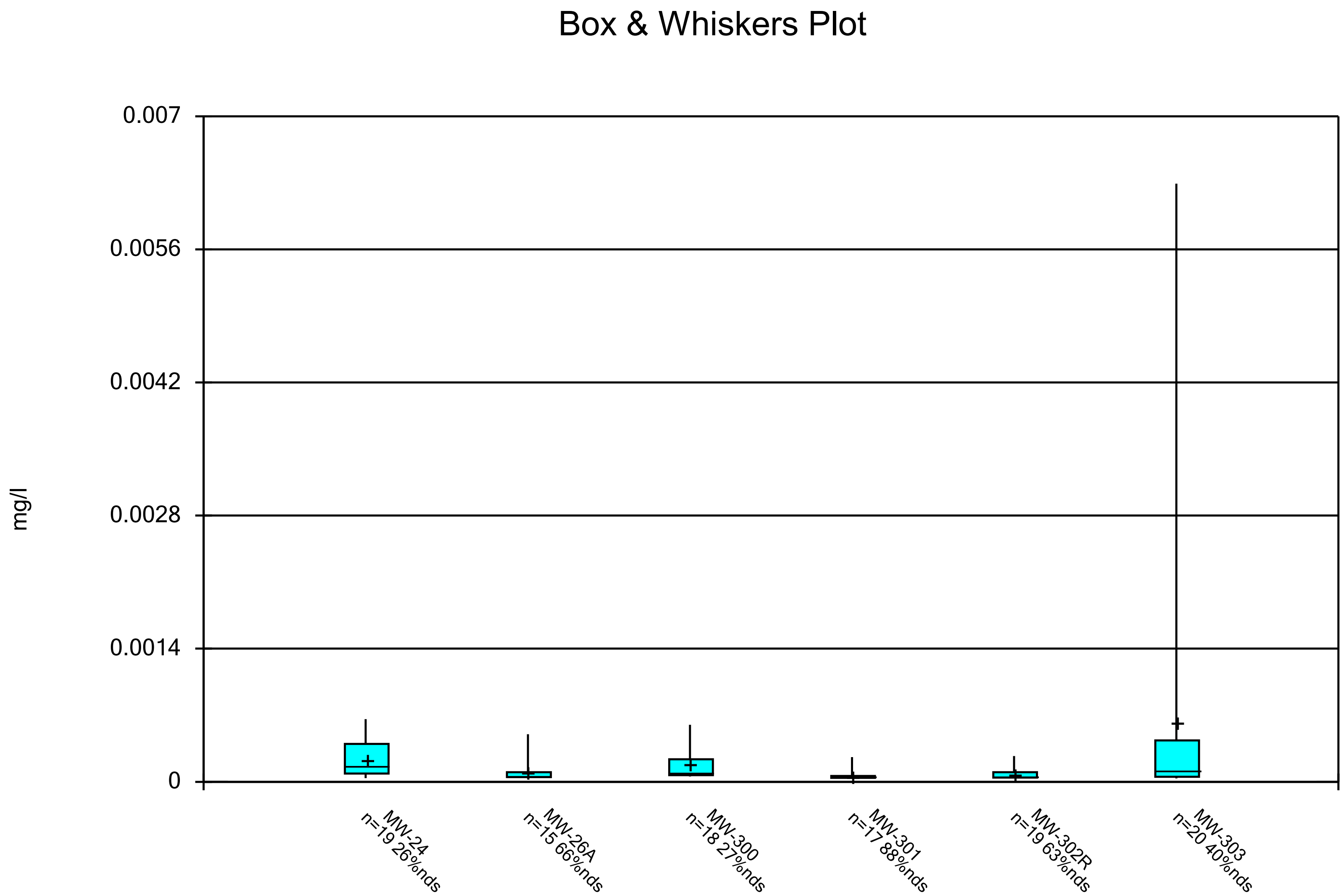

Constituent: Cadmium Analysis Run 11/20/2023 9:32 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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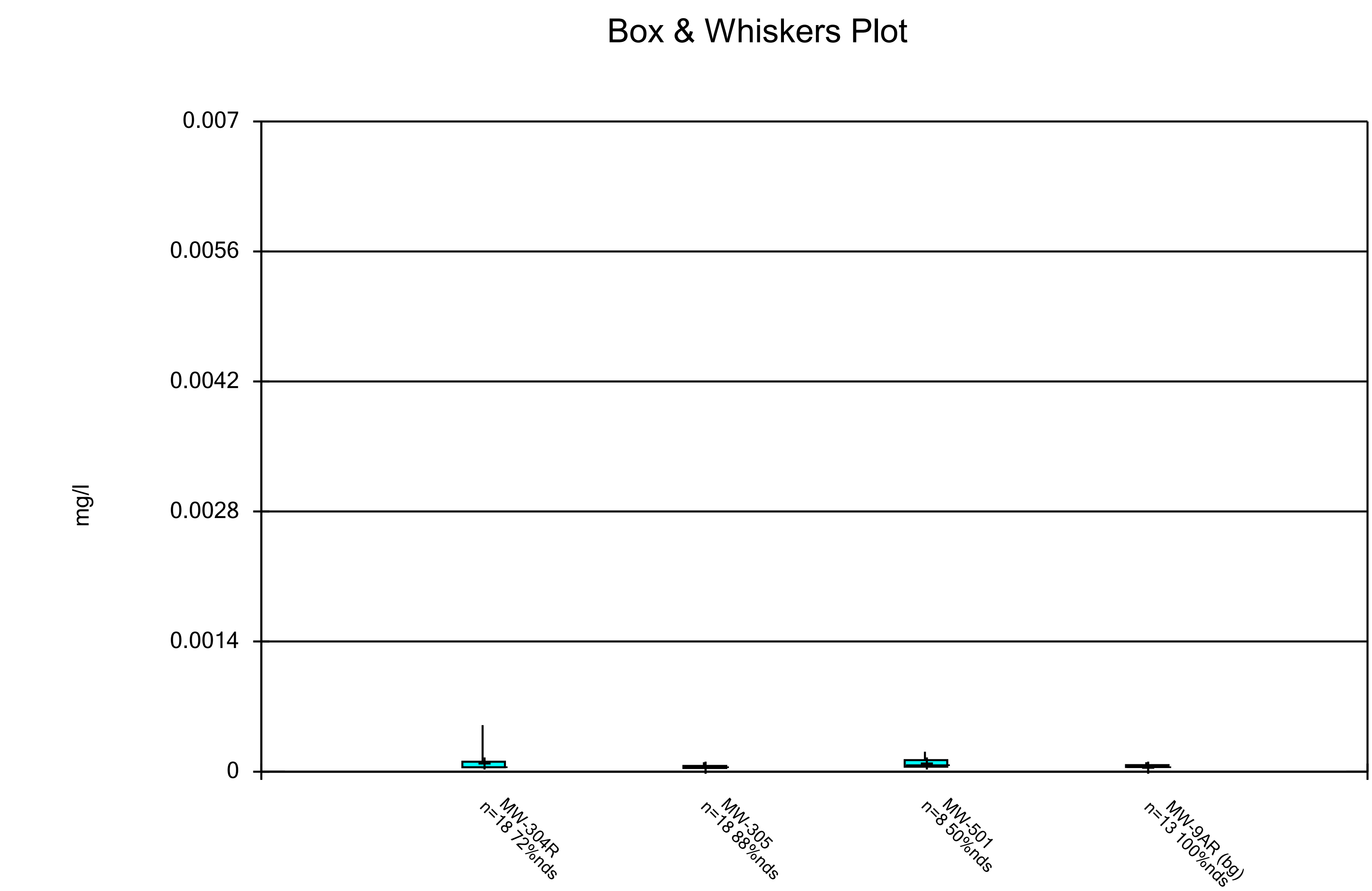

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Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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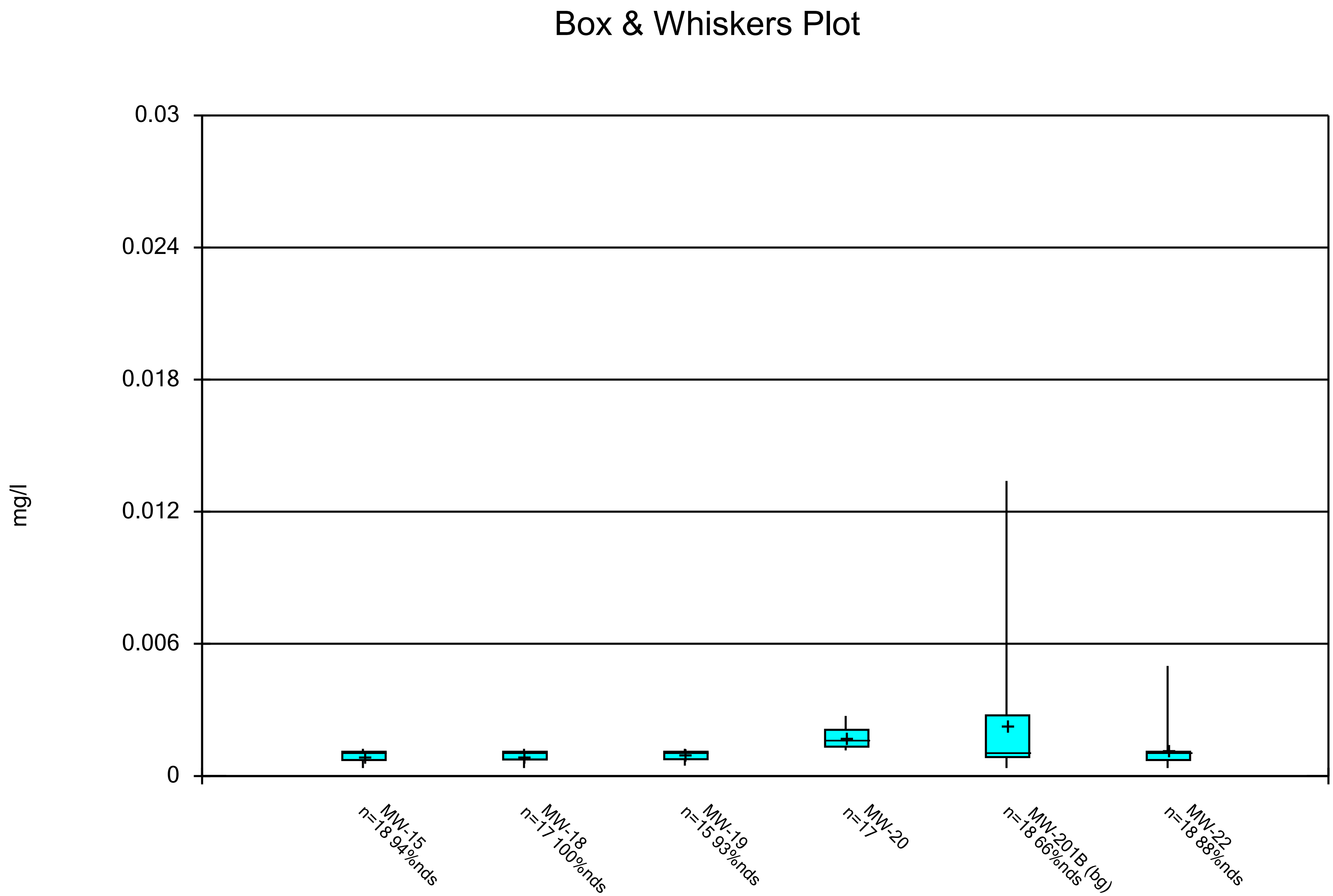

Constituent: Chromium   Analysis Run 11/20/2023 9:32 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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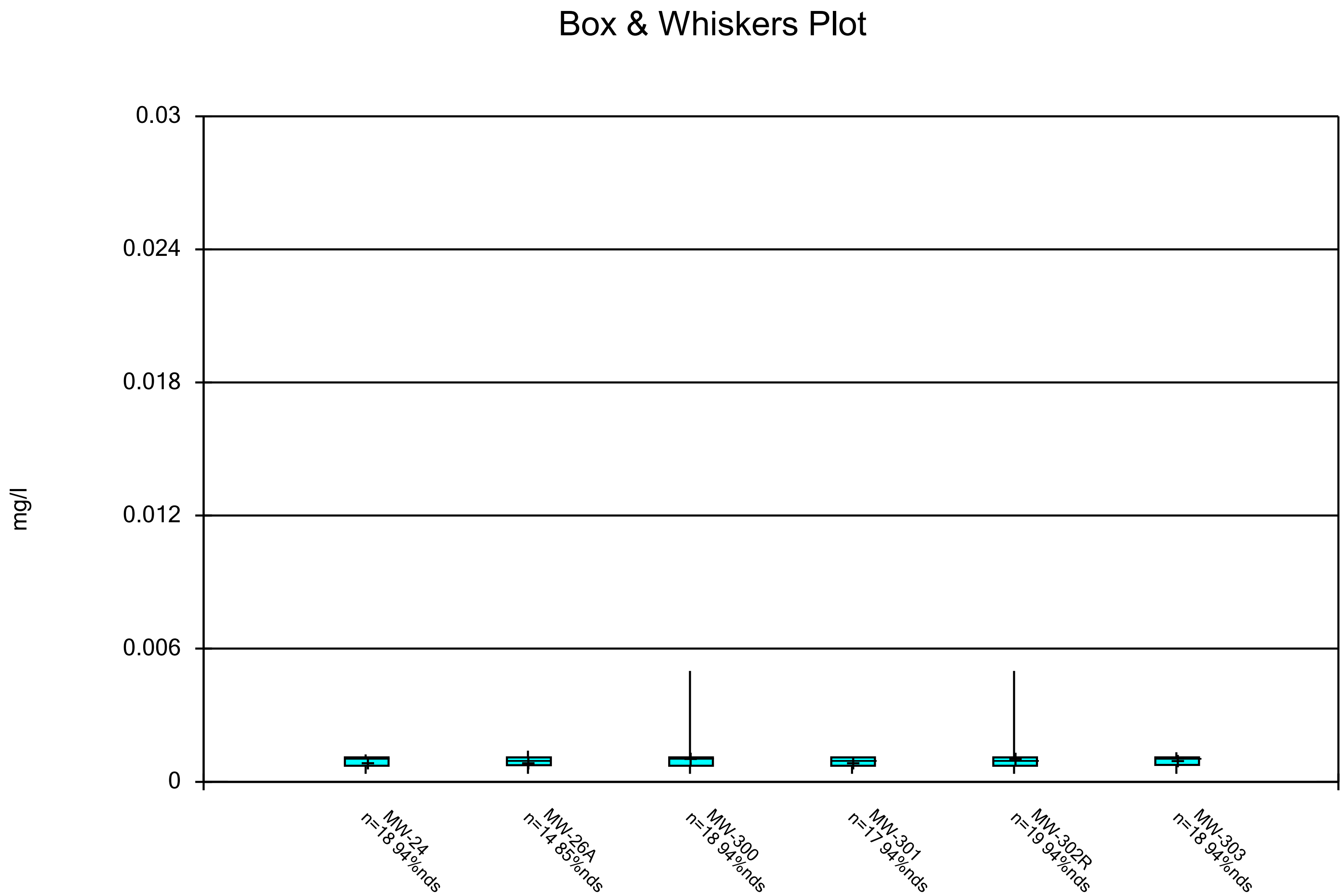

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Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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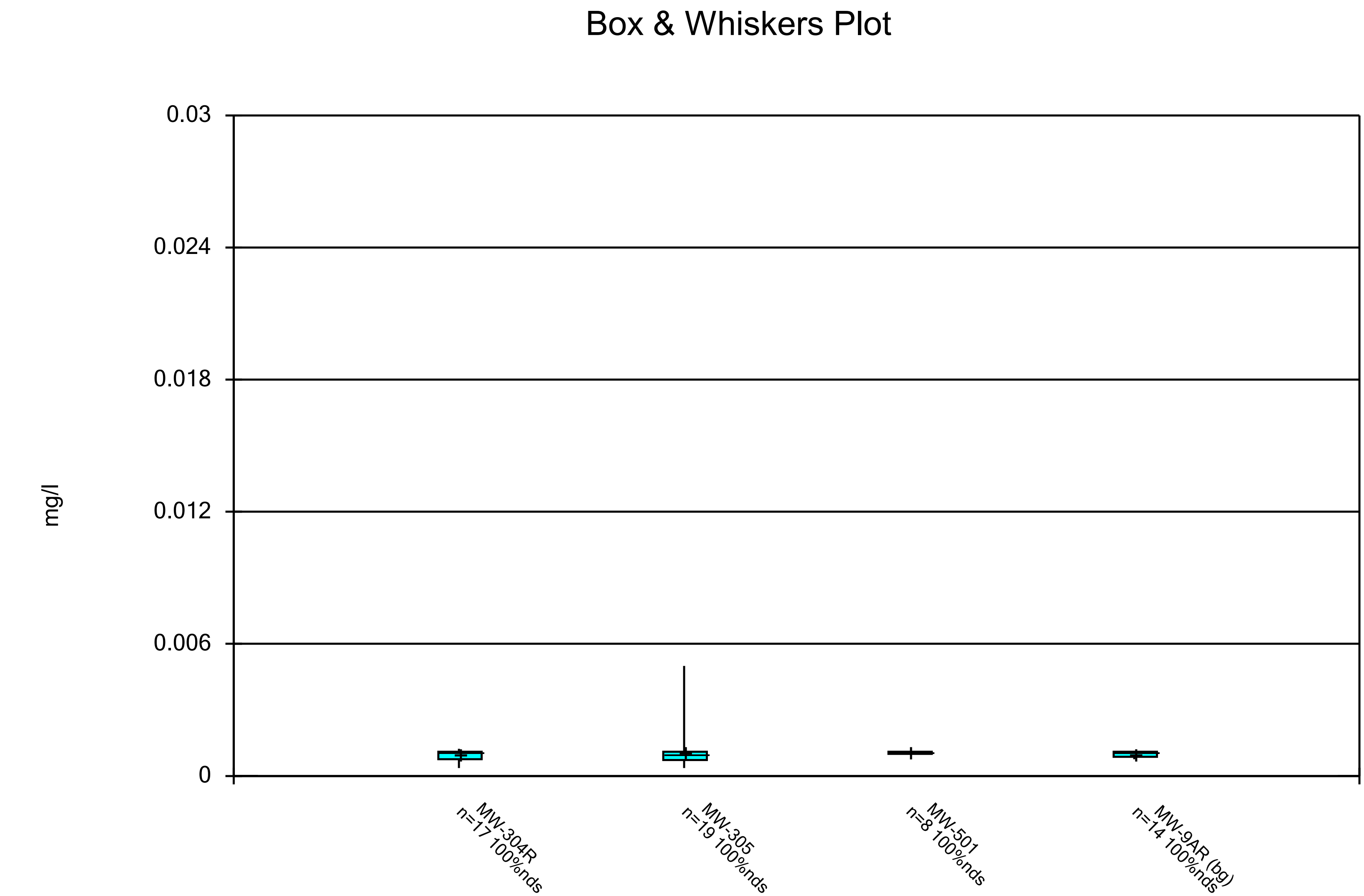

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Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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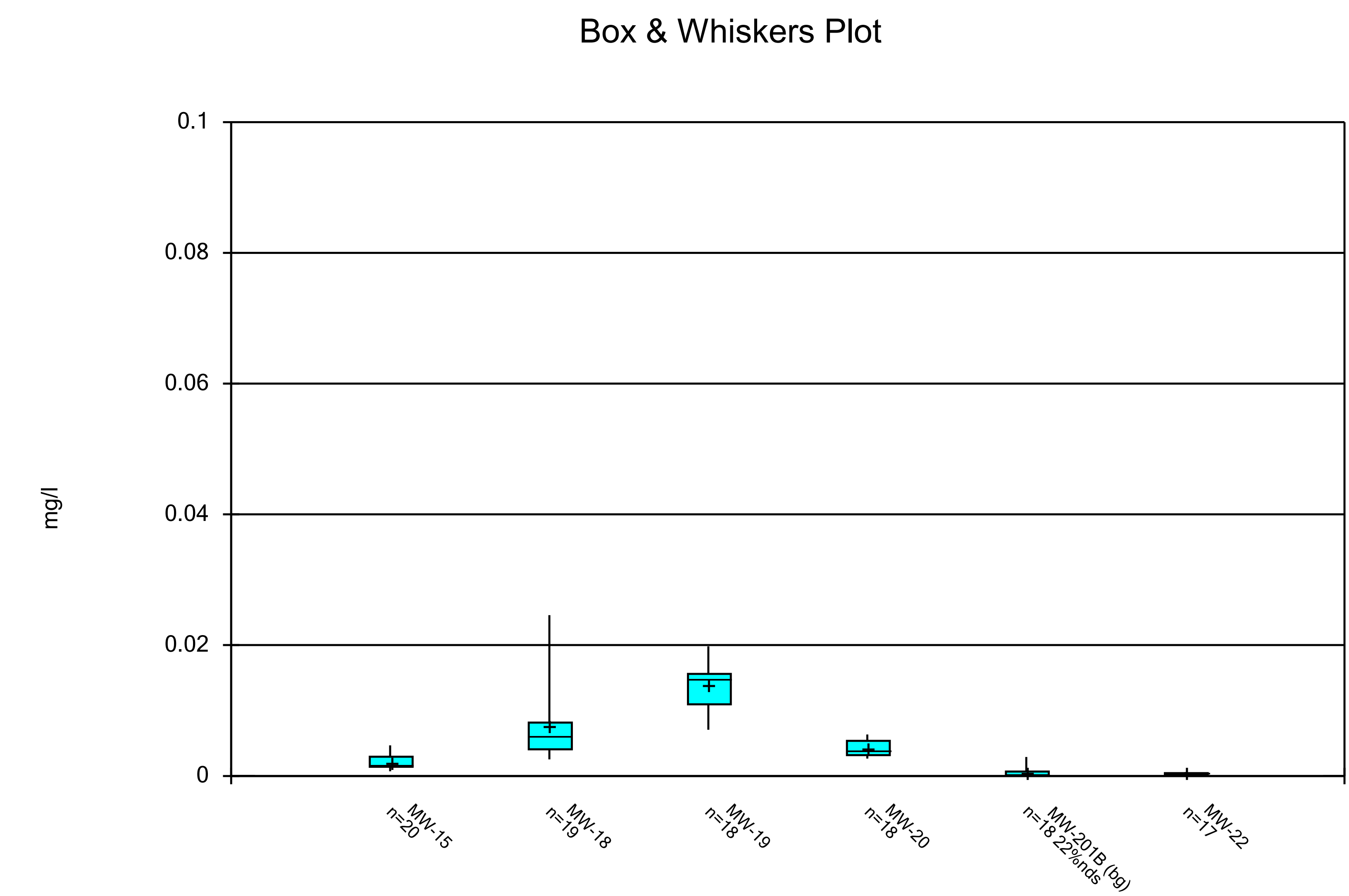

Constituent: Cobalt   Analysis Run 11/20/2023 9:32 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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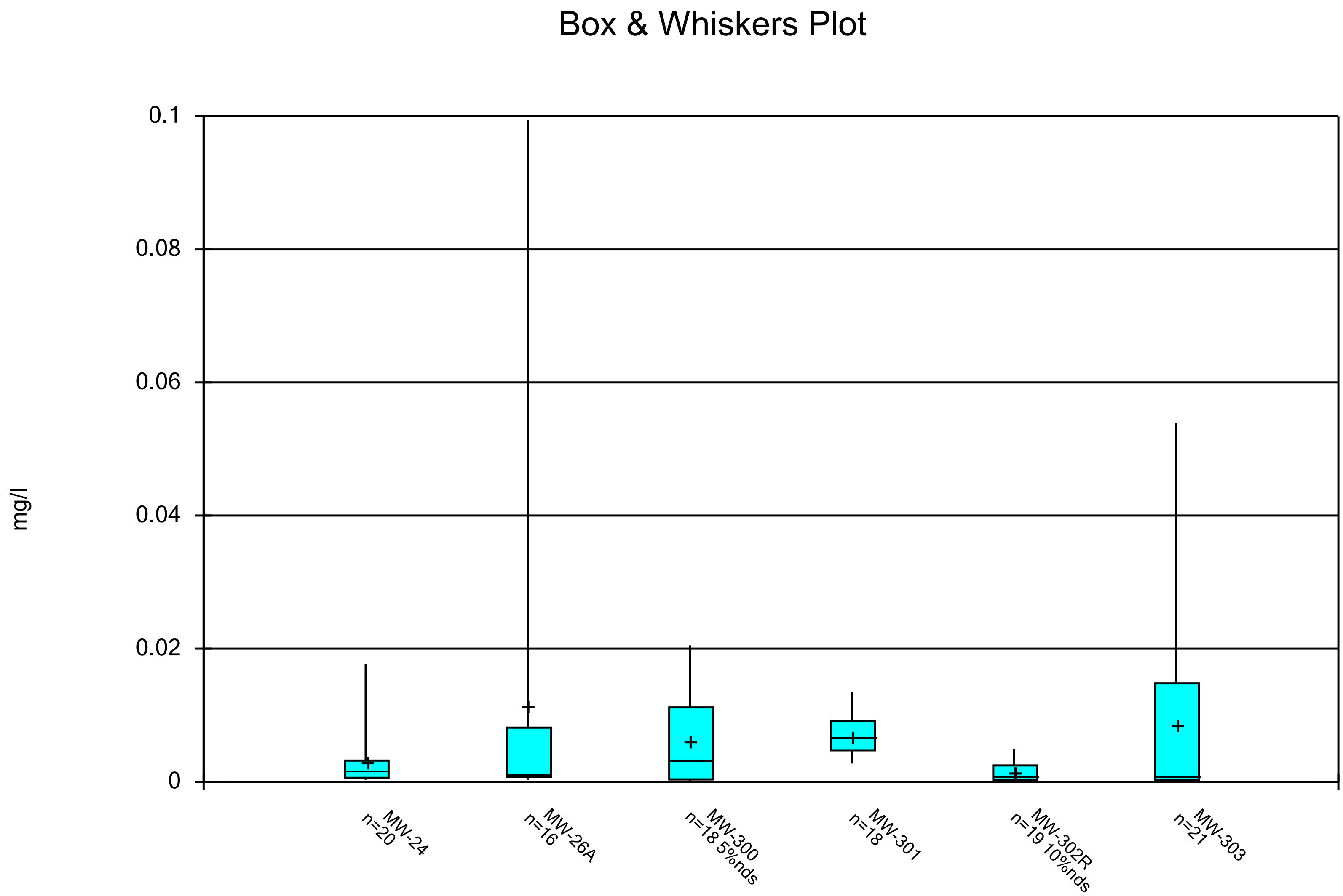

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Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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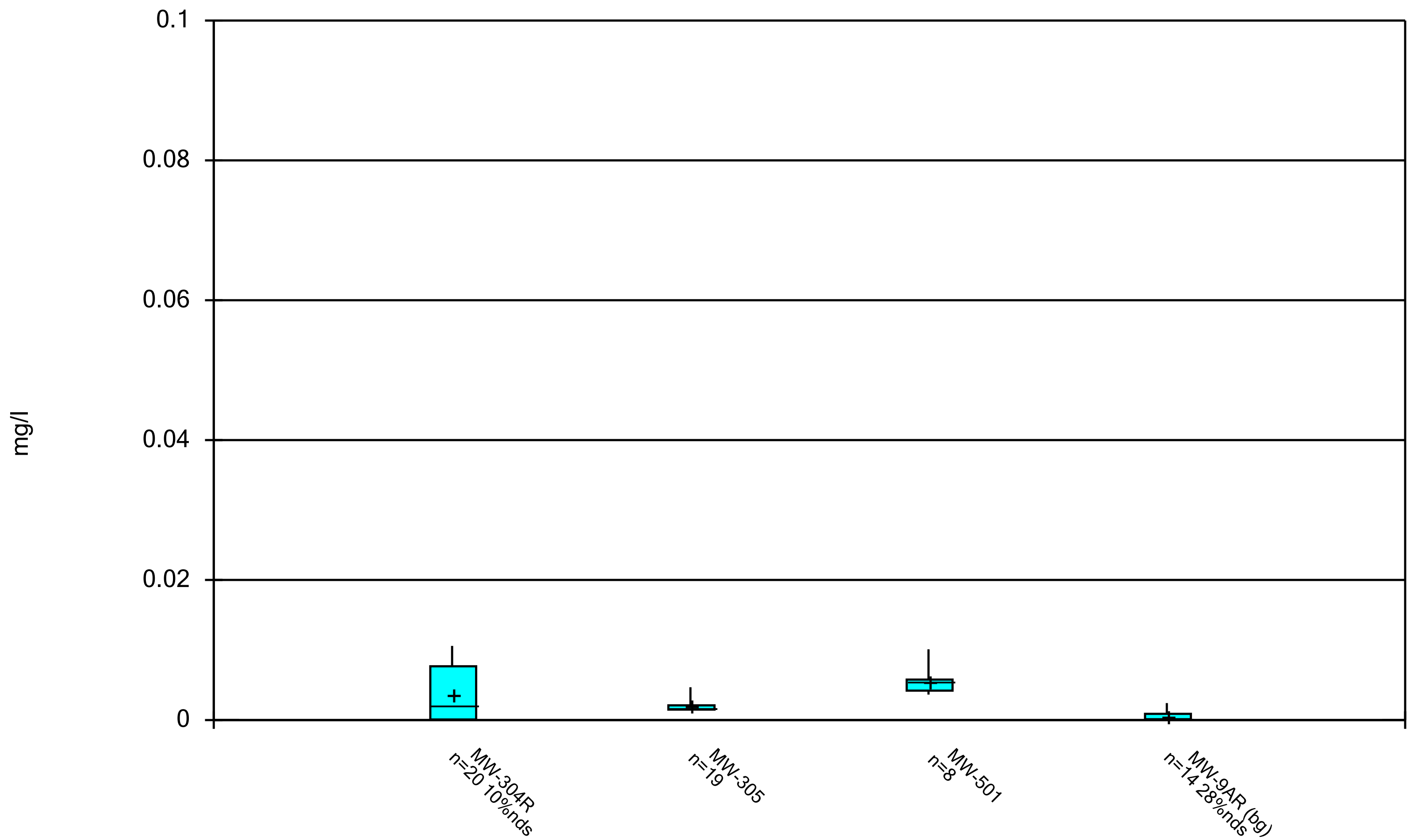
Box & Whiskers Plot



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Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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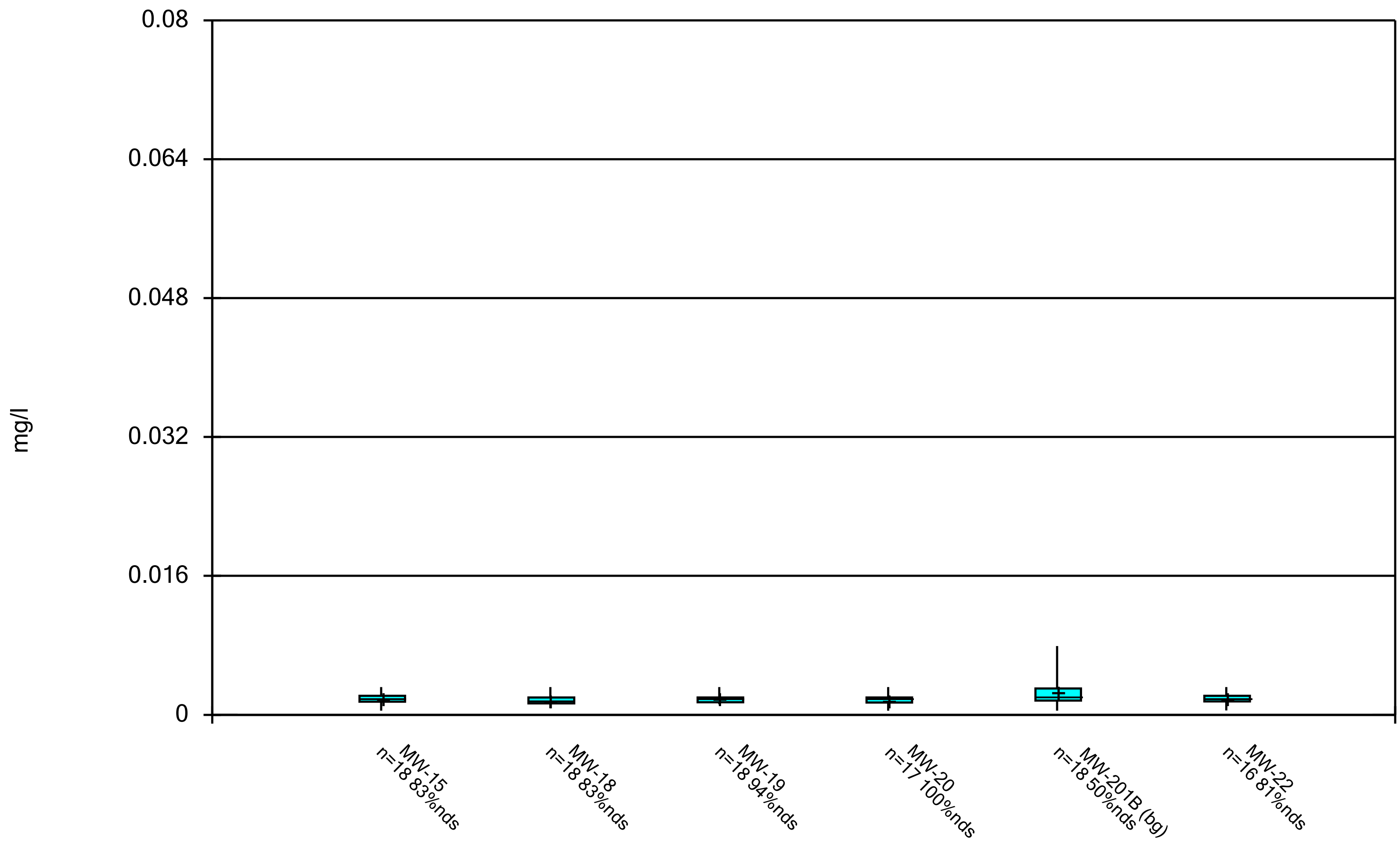
Box & Whiskers Plot



Constituent: Copper   Analysis Run 11/20/2023 9:32 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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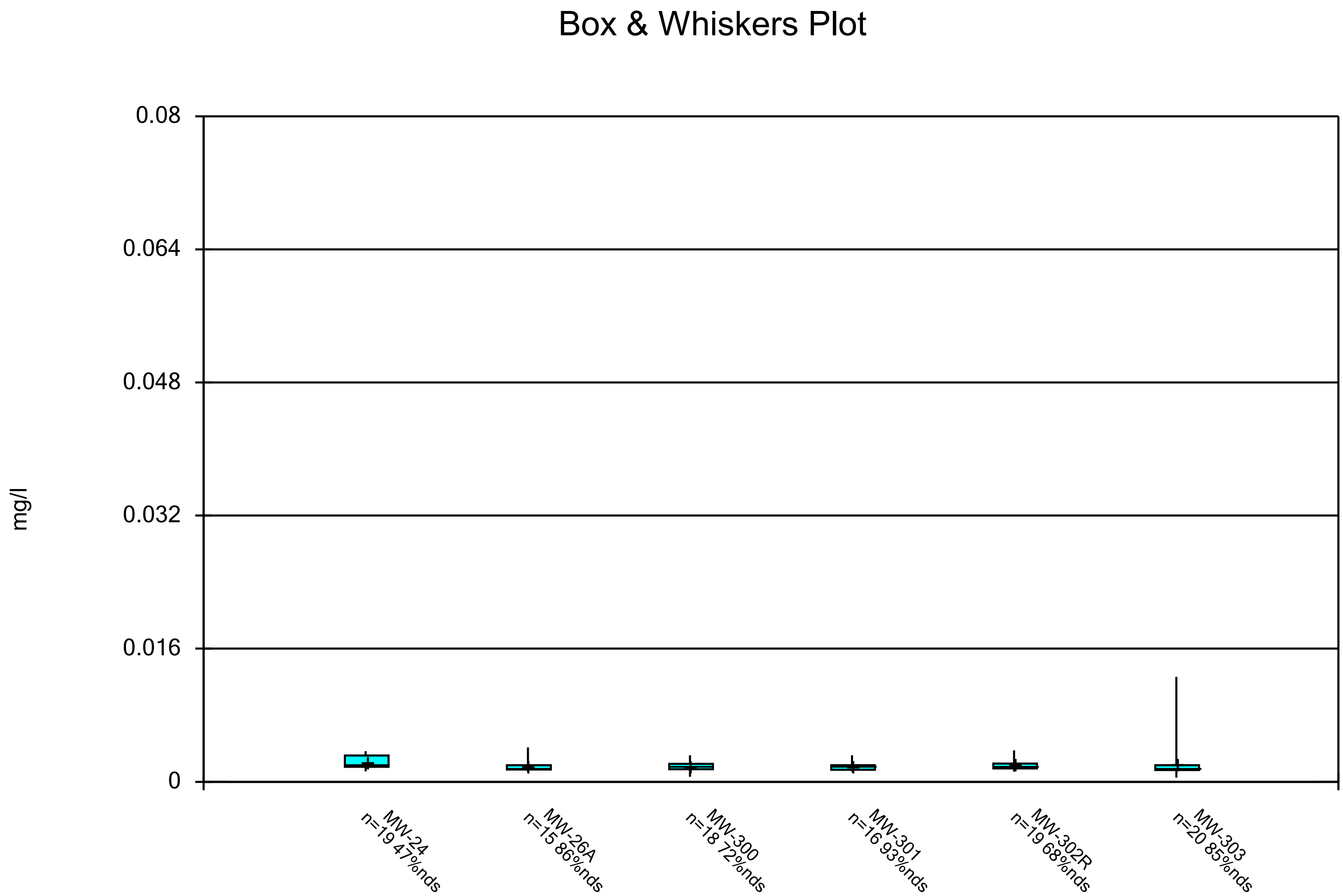
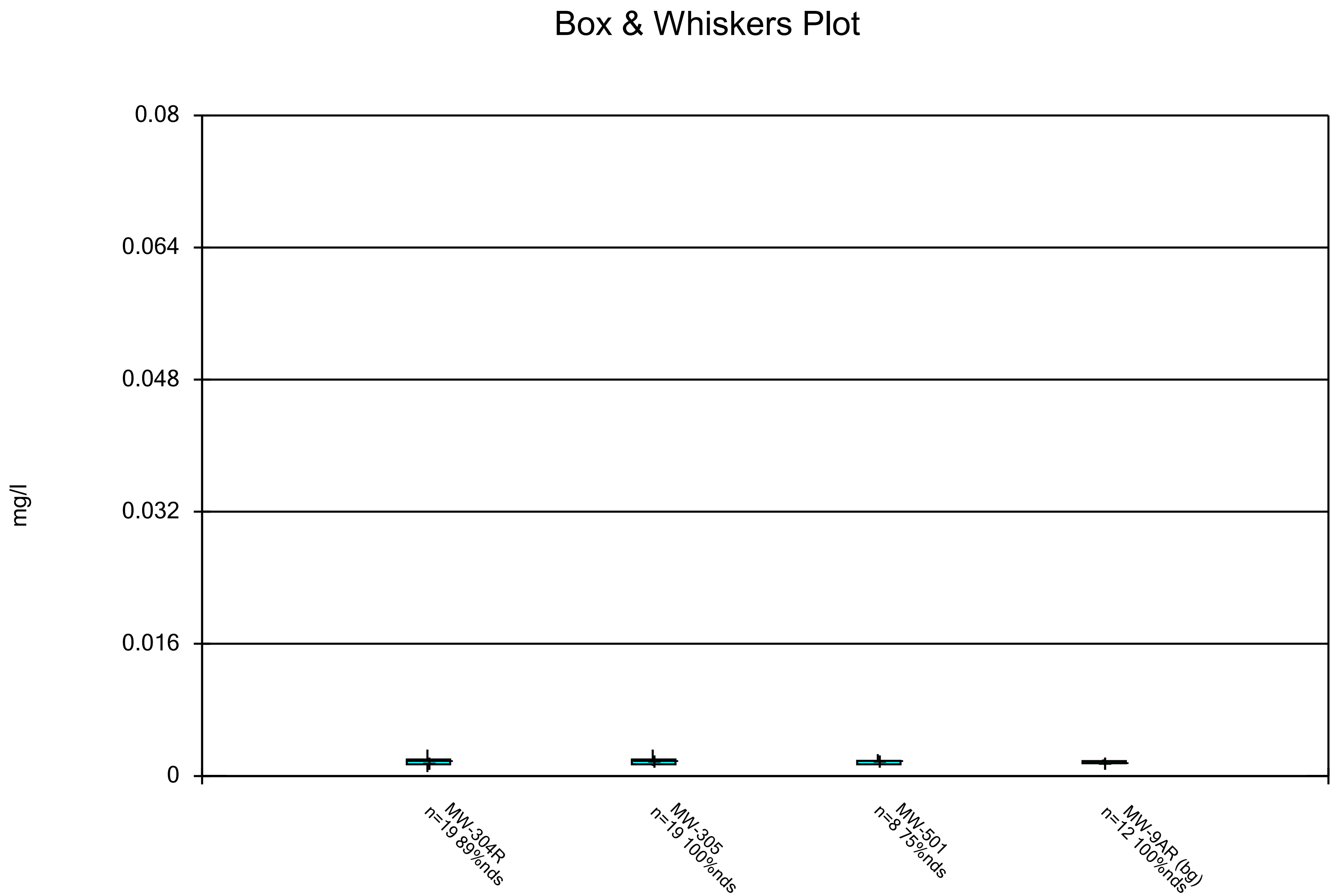


Constituent: Copper Analysis Run 11/20/2023 9:32 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG



Constituent: Copper   Analysis Run 11/20/2023 9:32 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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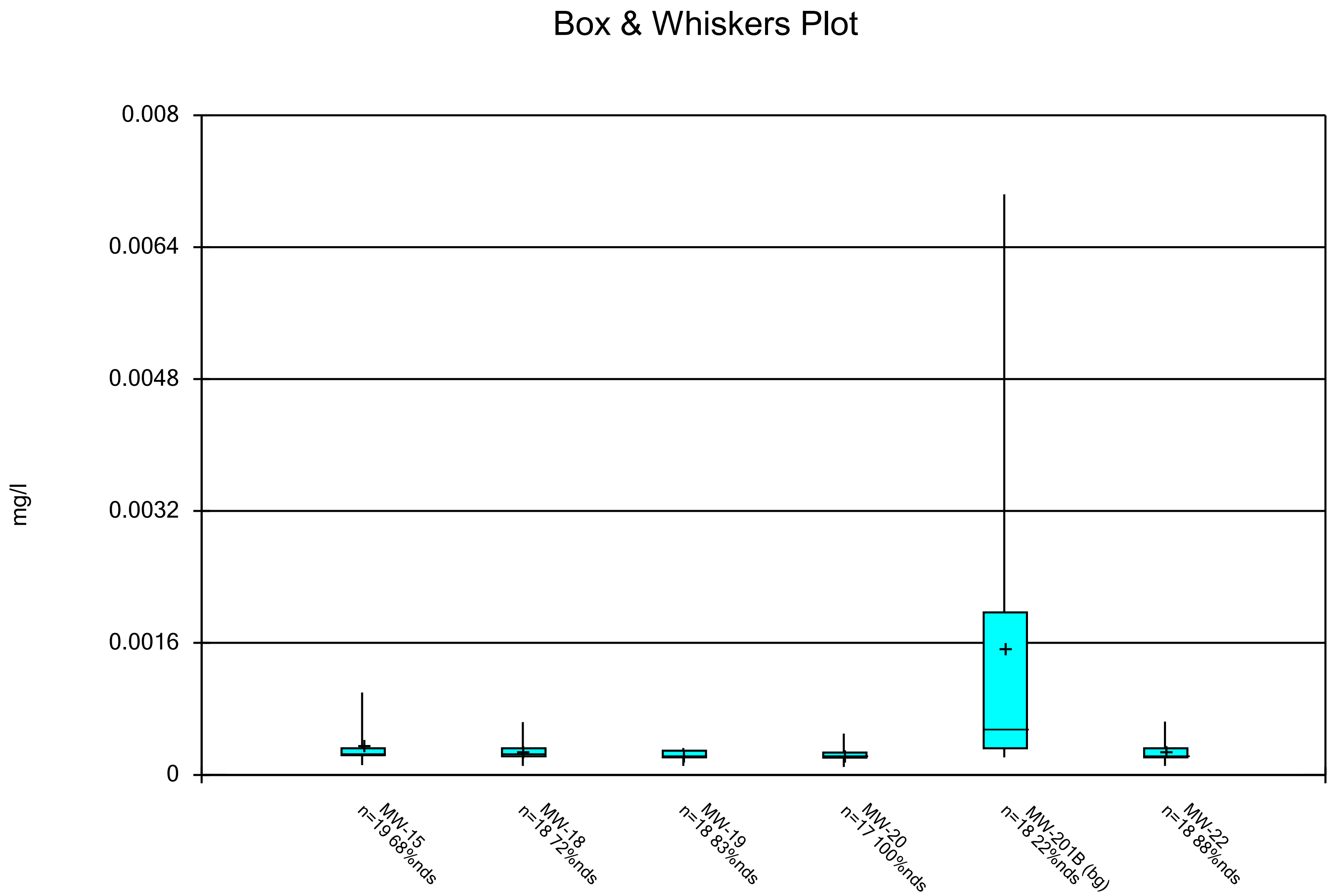

Constituent: Lead   Analysis Run 11/20/2023 9:32 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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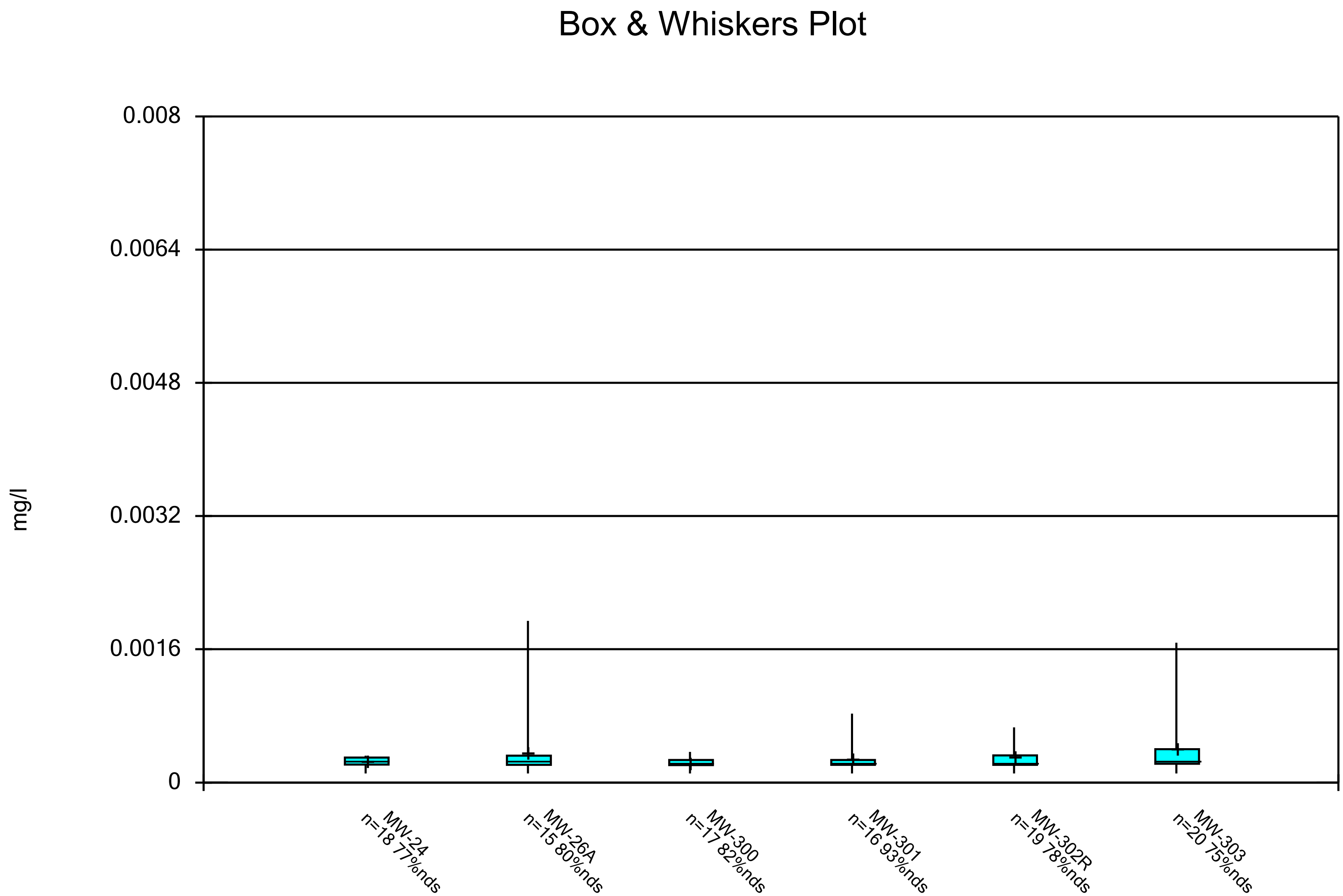

Constituent: Lead Analysis Run 11/20/2023 9:32 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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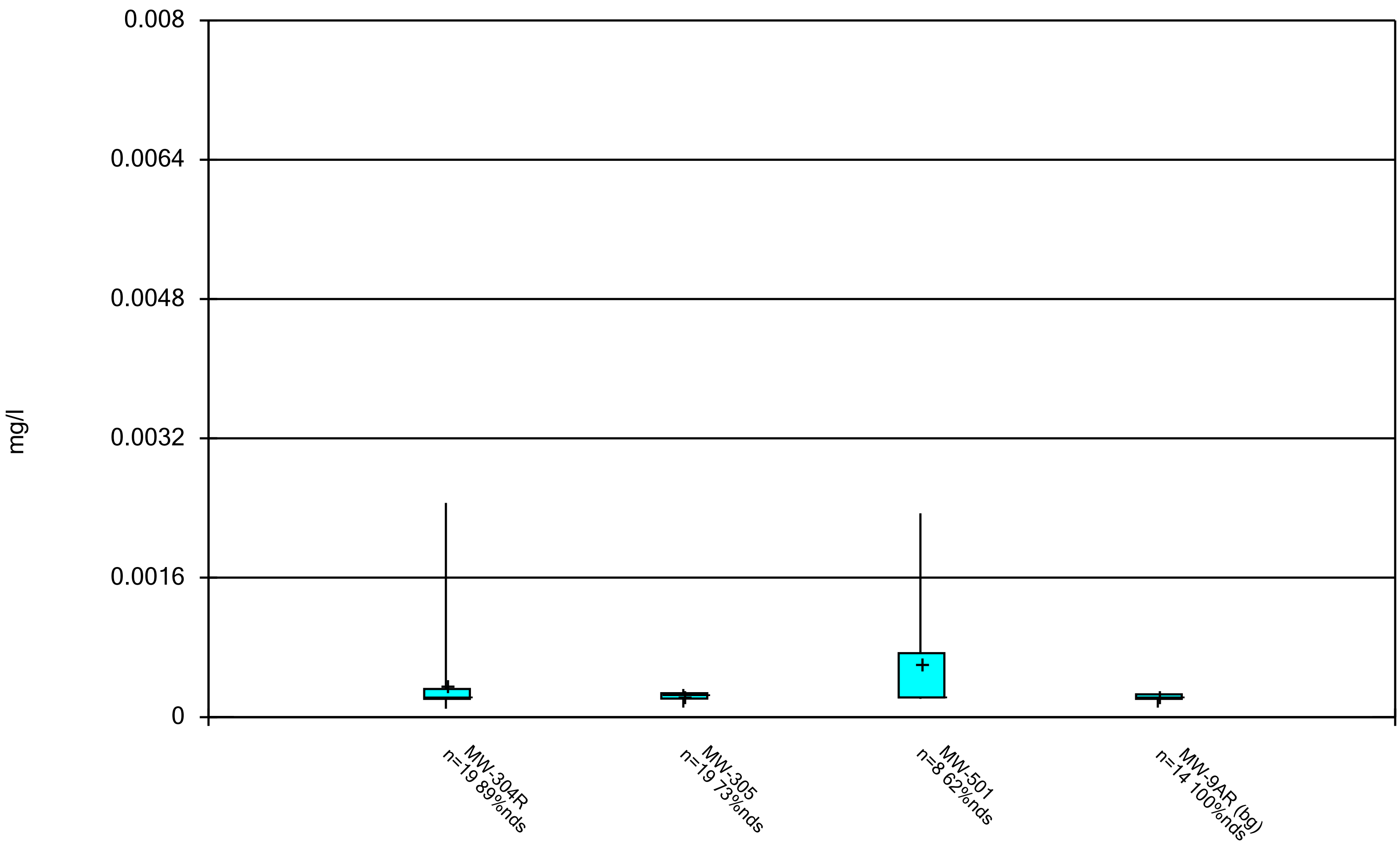
Box & Whiskers Plot



Constituent: Lead   Analysis Run 11/20/2023 9:32 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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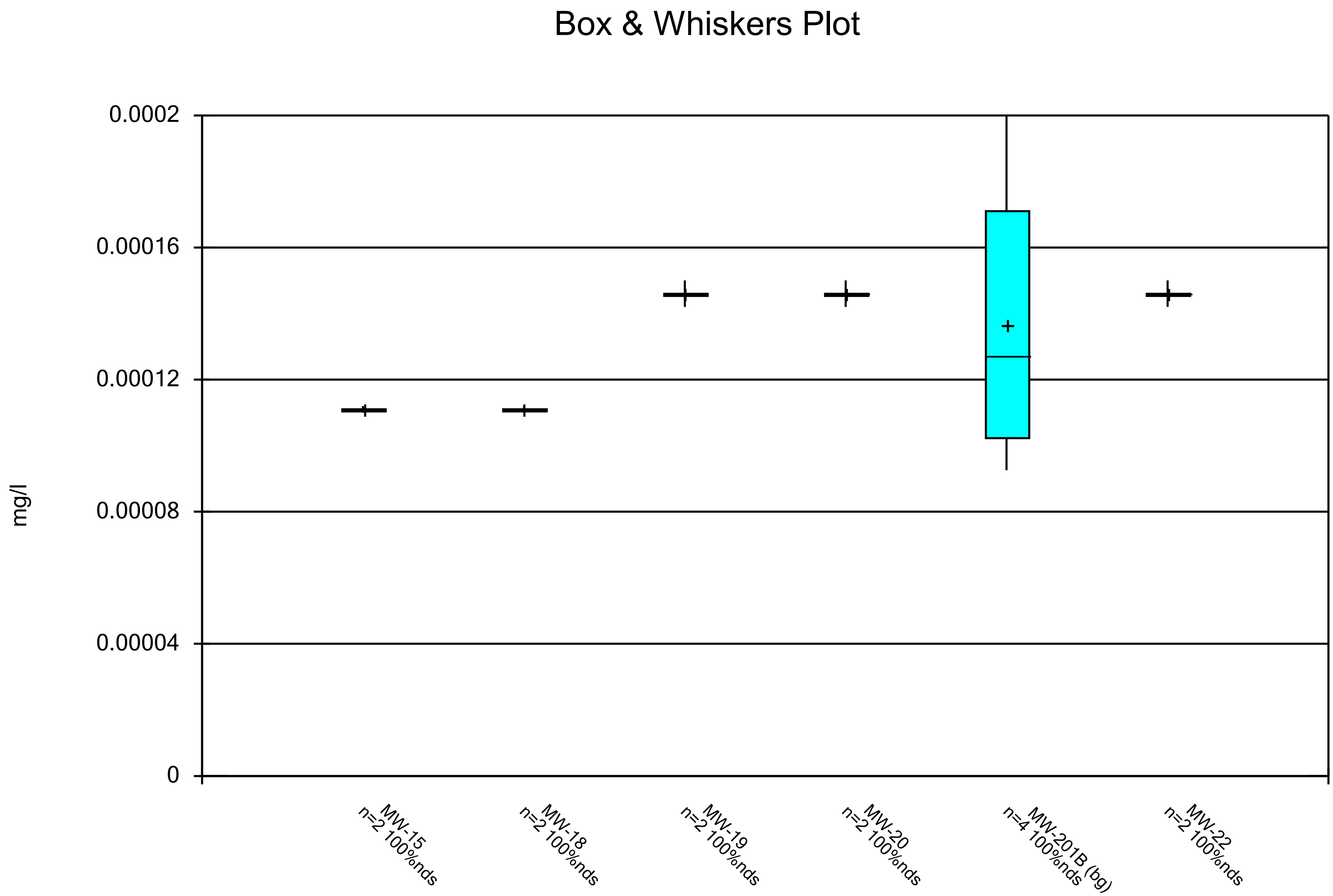

Constituent: Mercury Analysis Run 11/20/2023 9:32 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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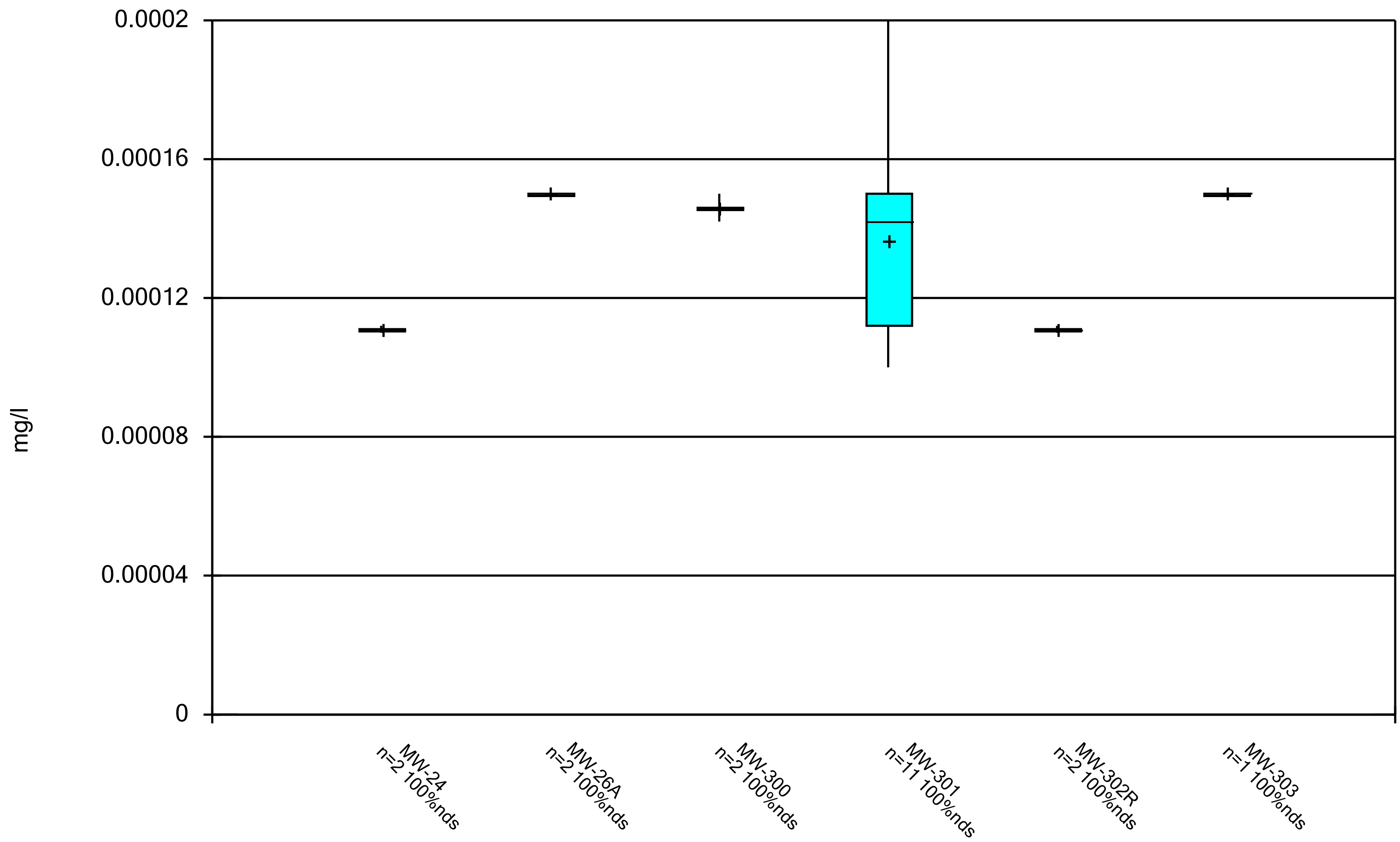
Box & Whiskers Plot



Constituent: Mercury   Analysis Run 11/20/2023 9:32 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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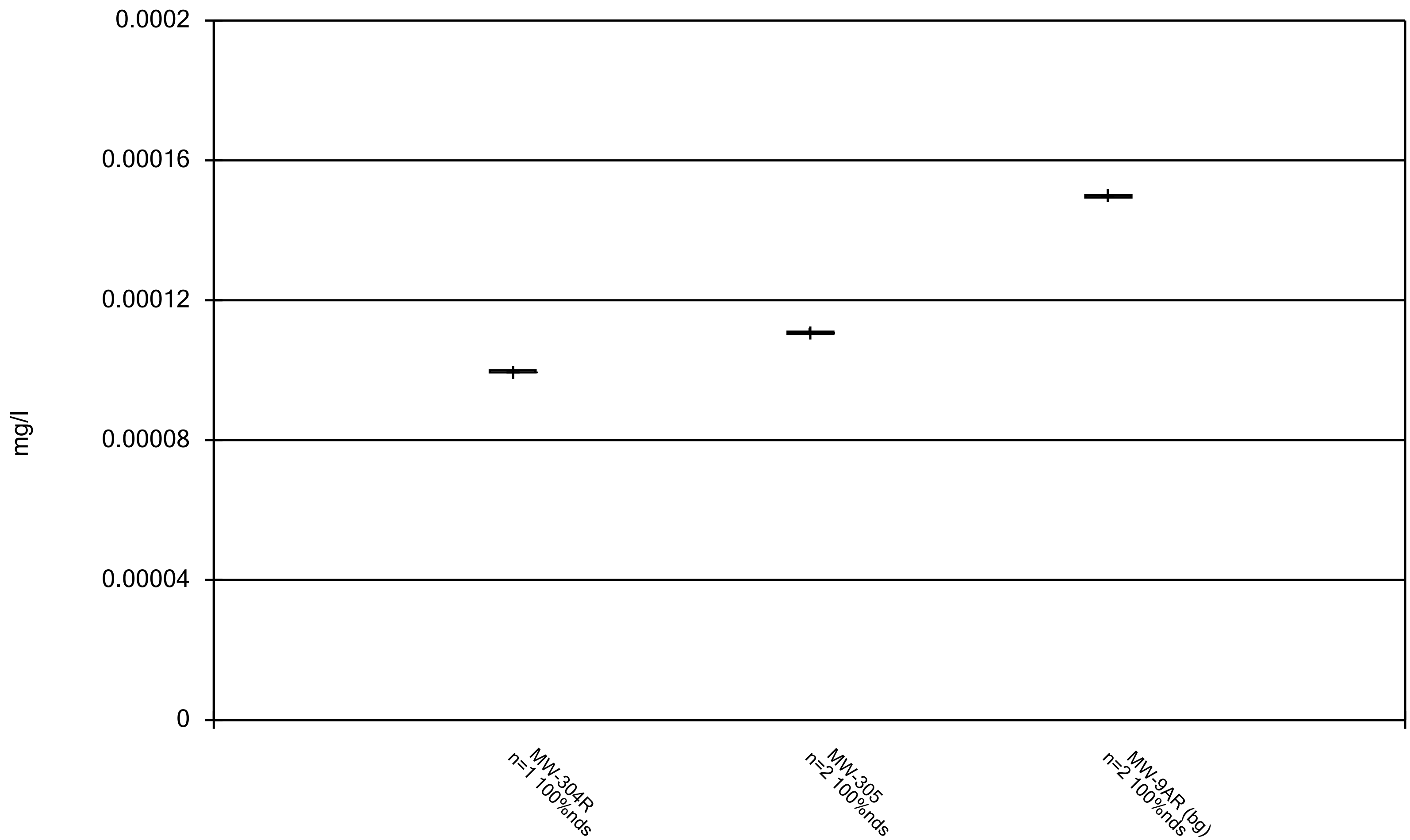
Box & Whiskers Plot



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Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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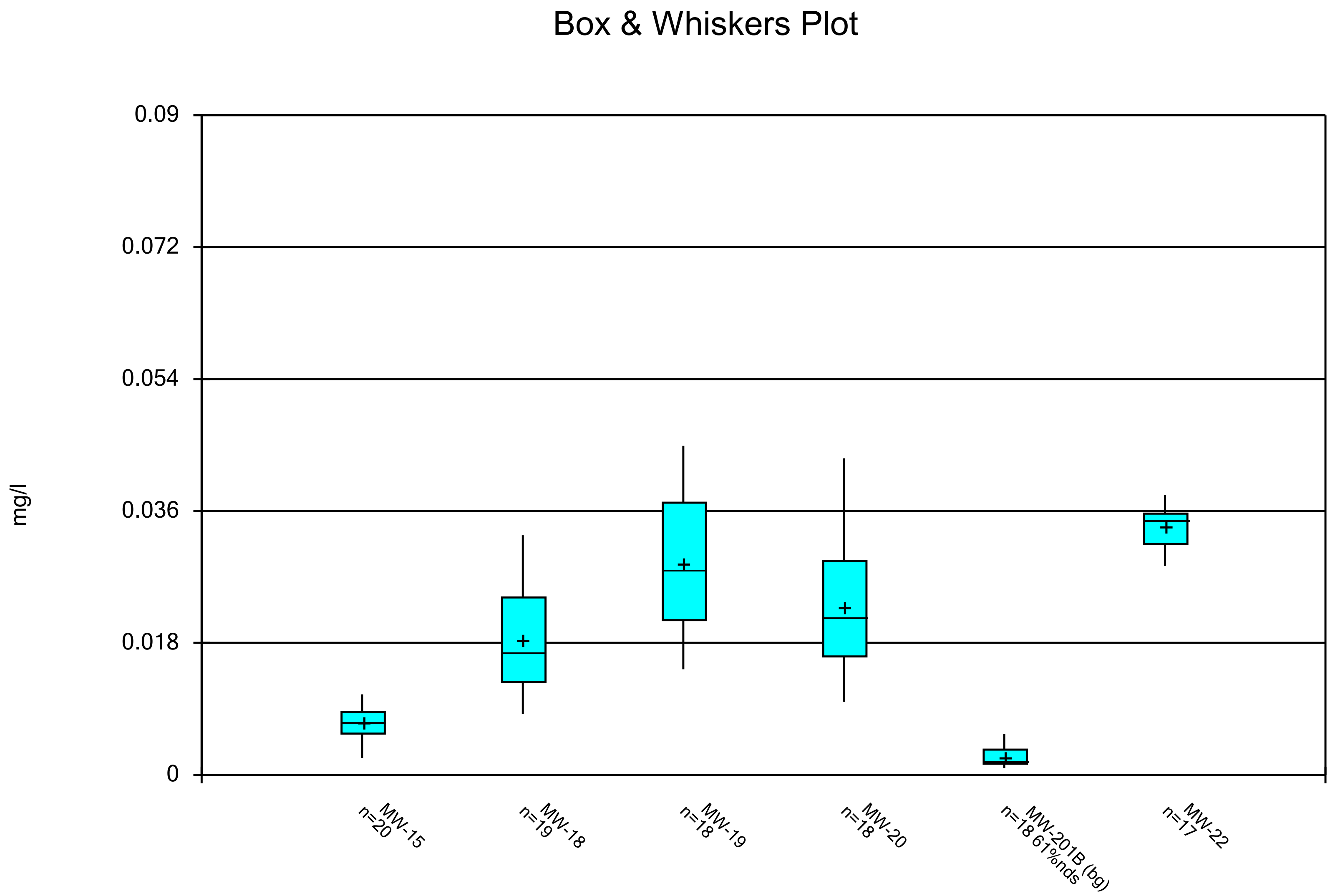

Constituent: Nickel Analysis Run 11/20/2023 9:32 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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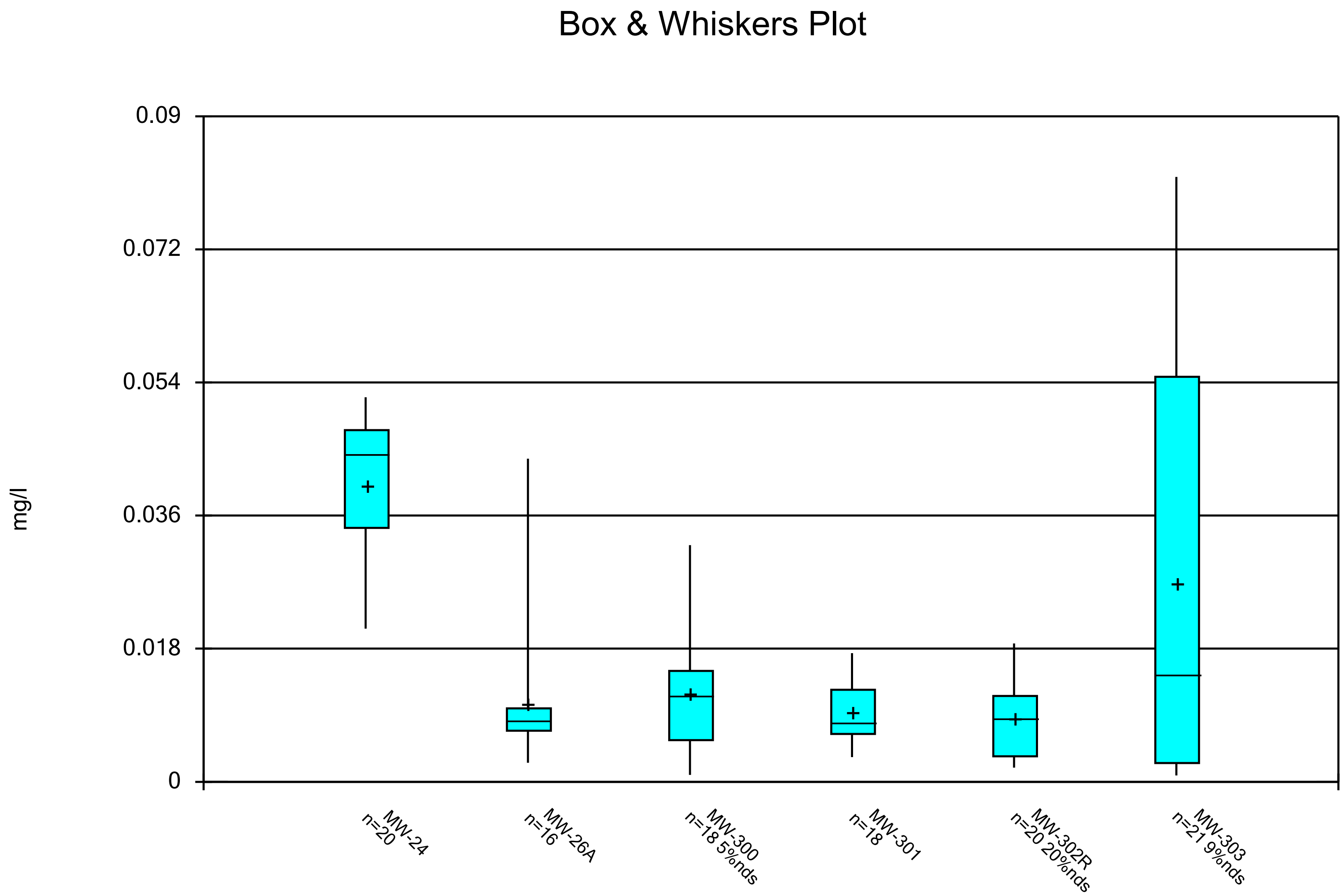
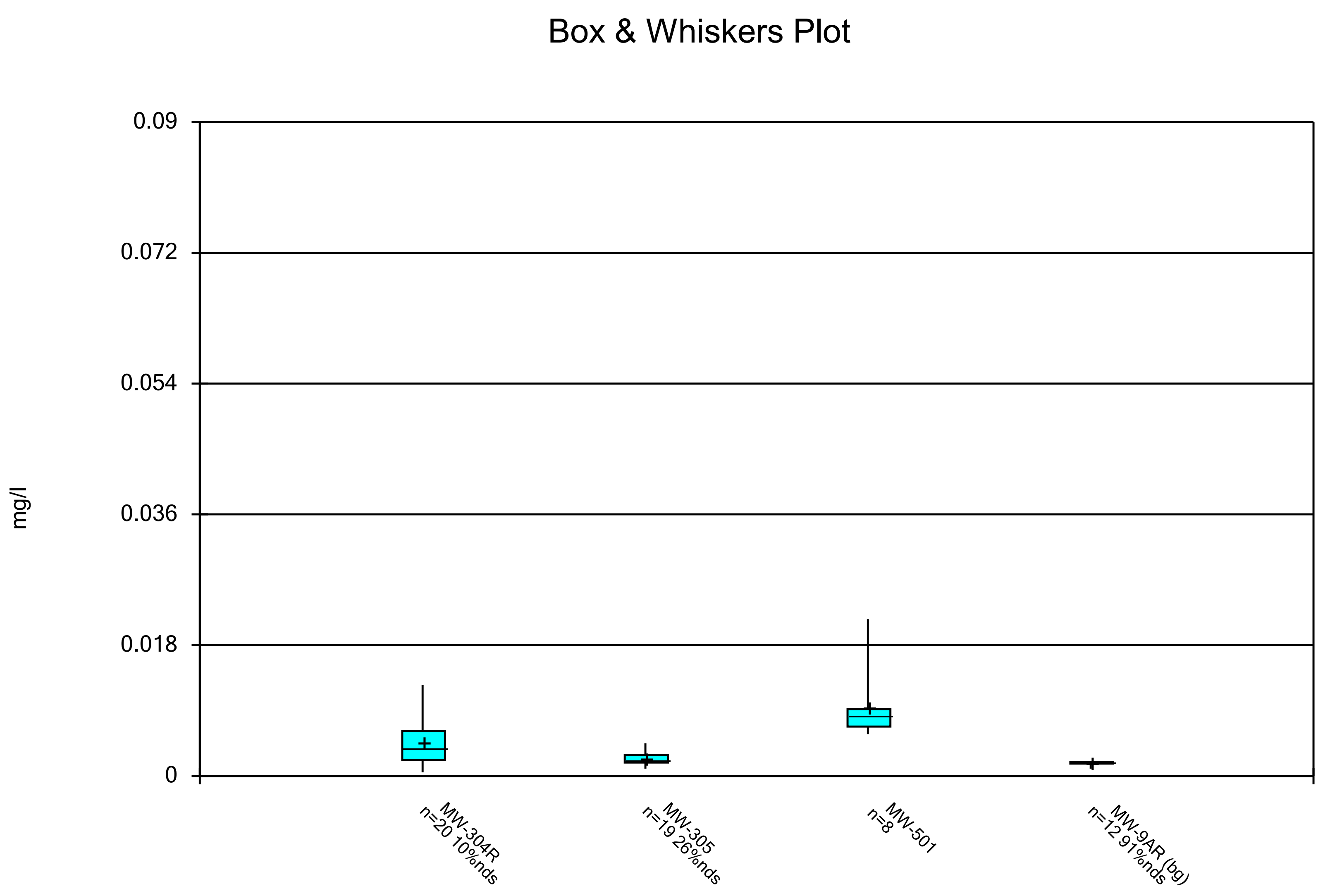


Constituent: Nickel   Analysis Run 11/20/2023 9:32 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG



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Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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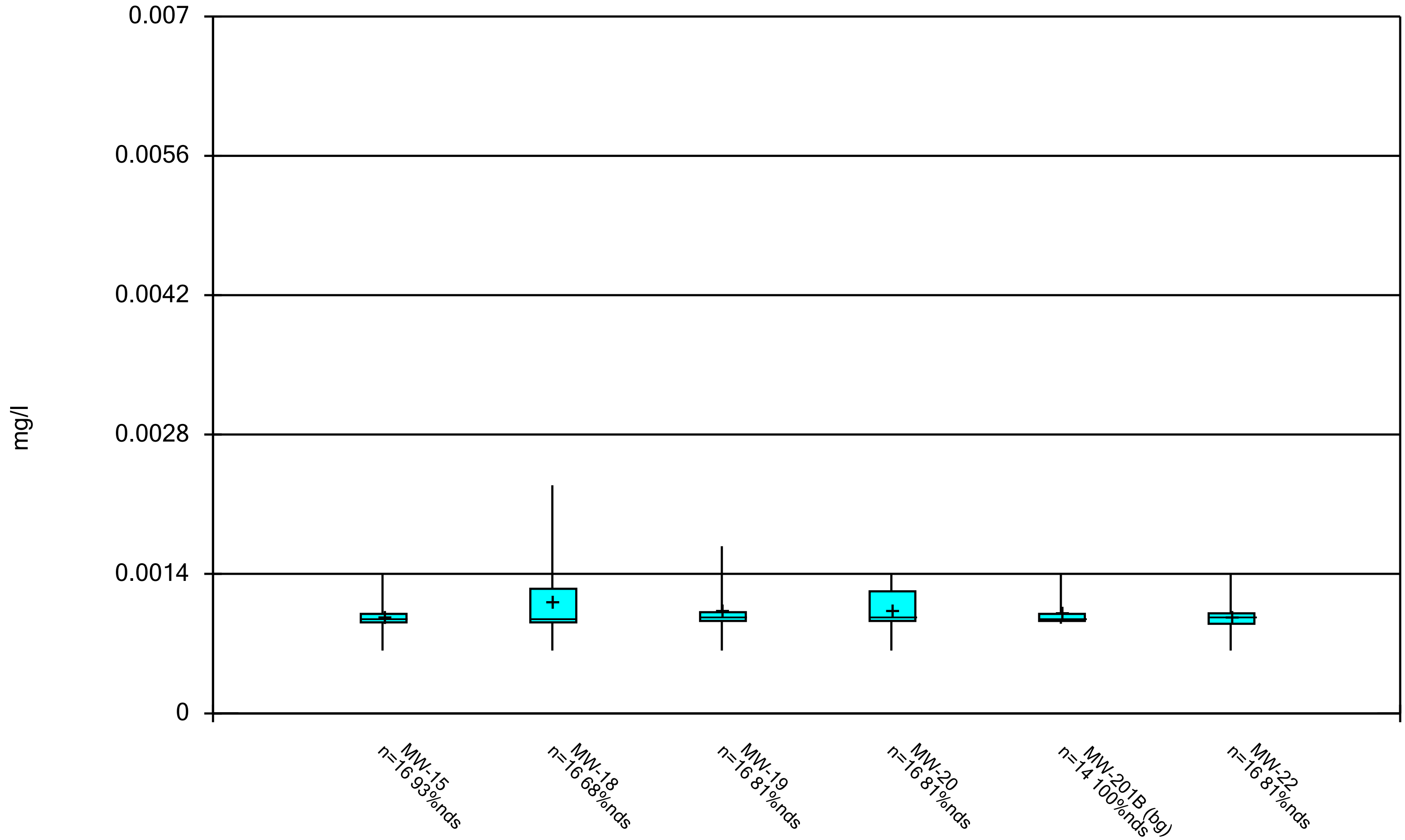
Box & Whiskers Plot



Constituent: Selenium   Analysis Run 11/20/2023 9:32 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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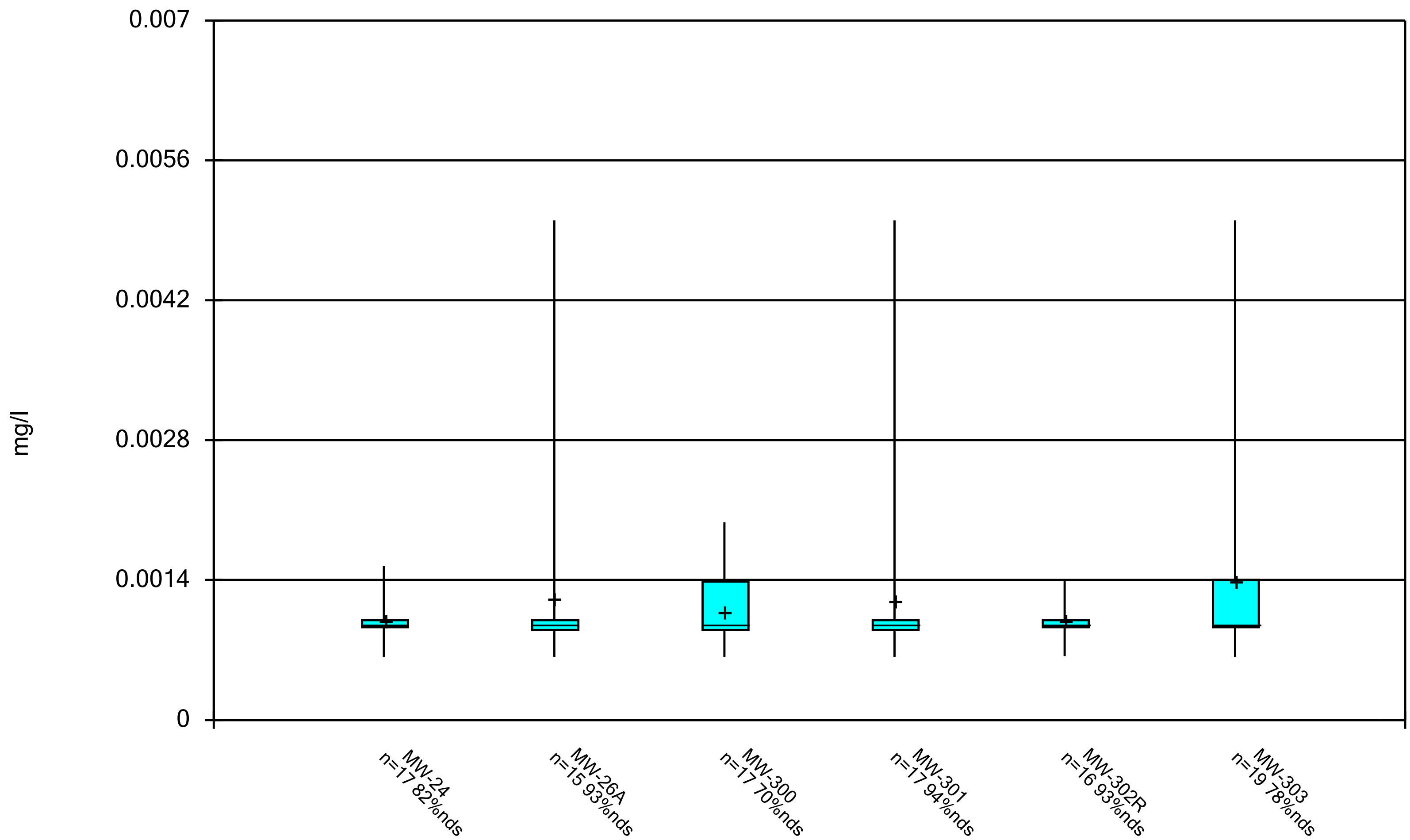
Box & Whiskers Plot



Constituent: Selenium Analysis Run 11/20/2023 9:32 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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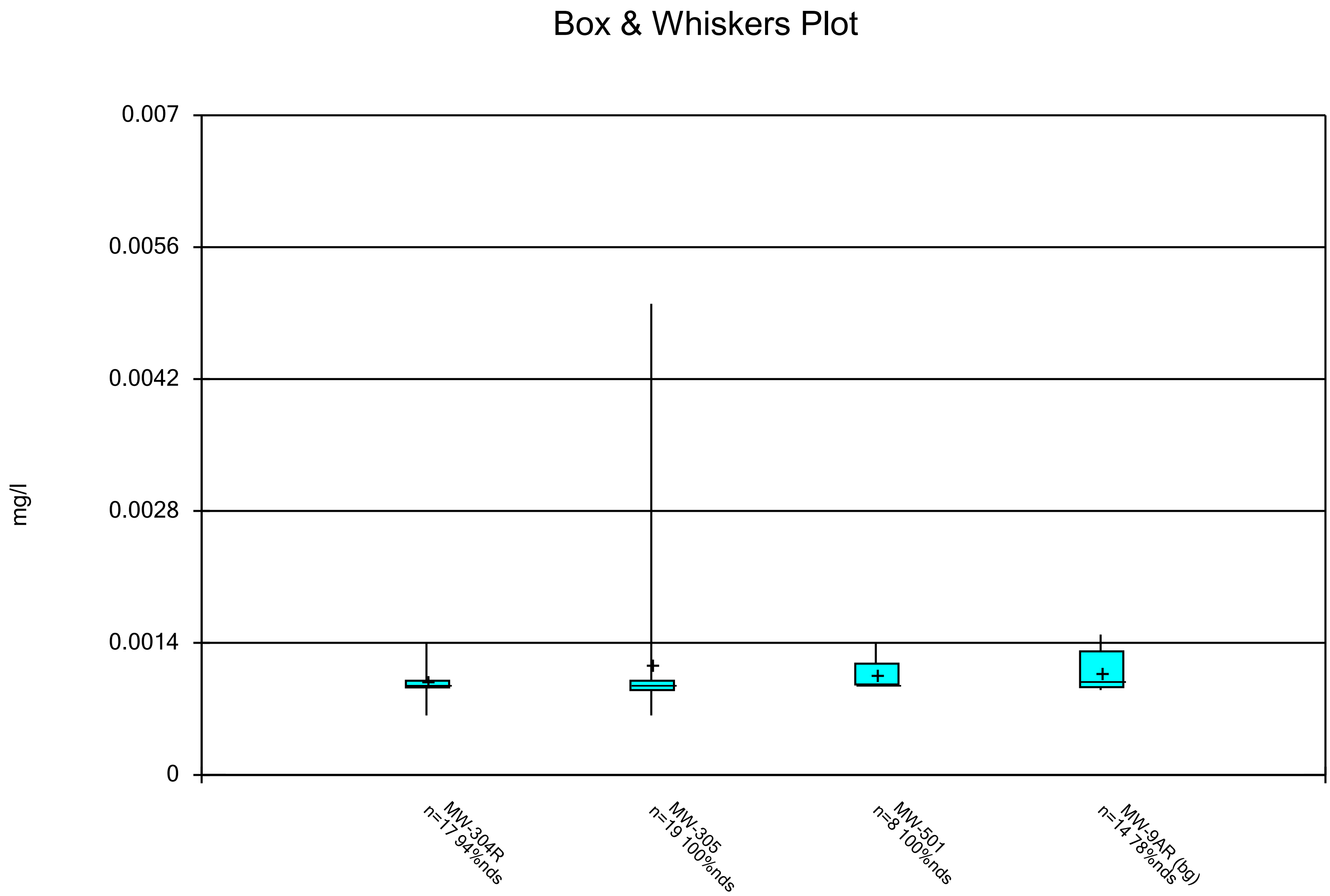

Constituent: Selenium Analysis Run 11/20/2023 9:32 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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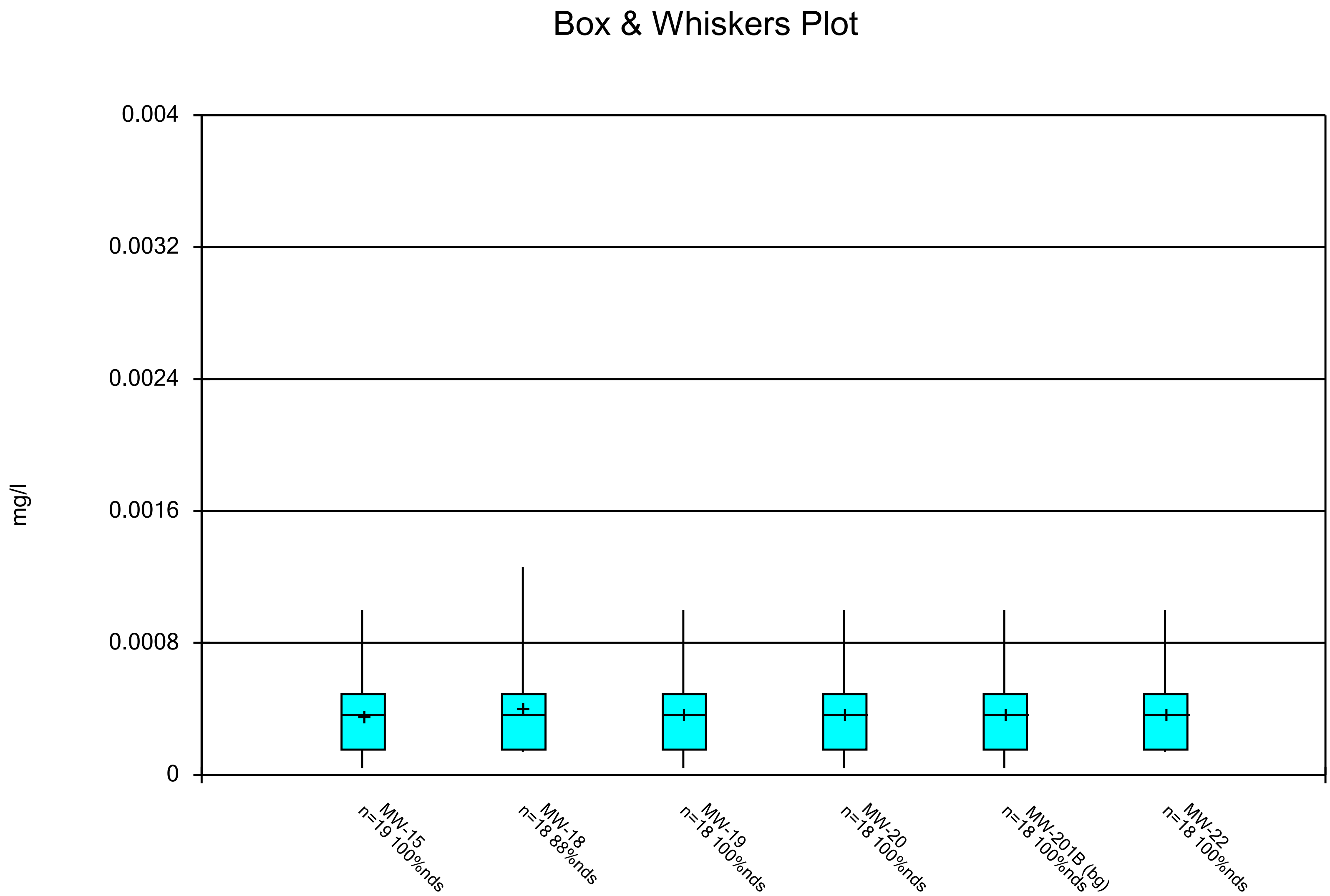

Constituent: Silver   Analysis Run 11/20/2023 9:32 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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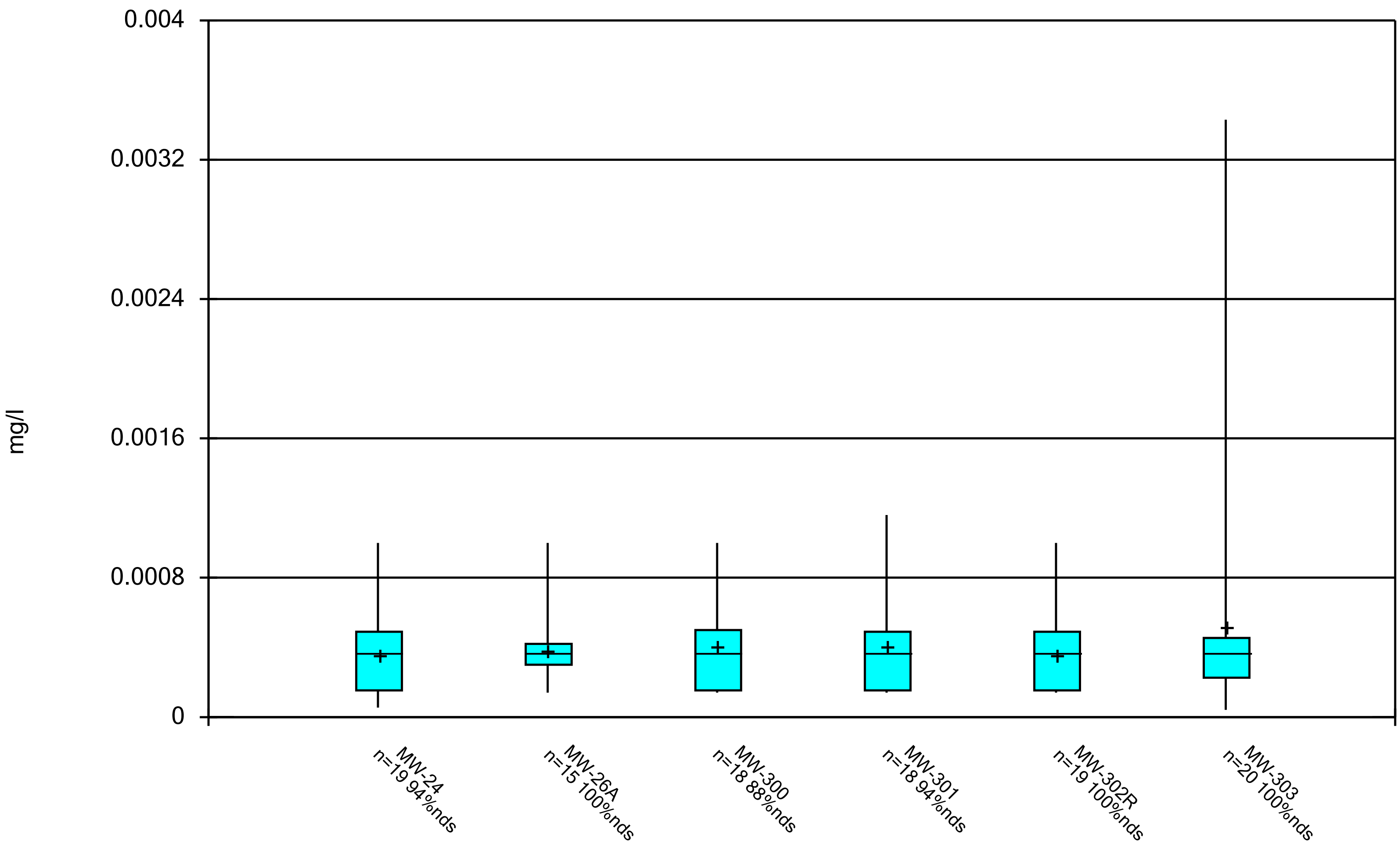
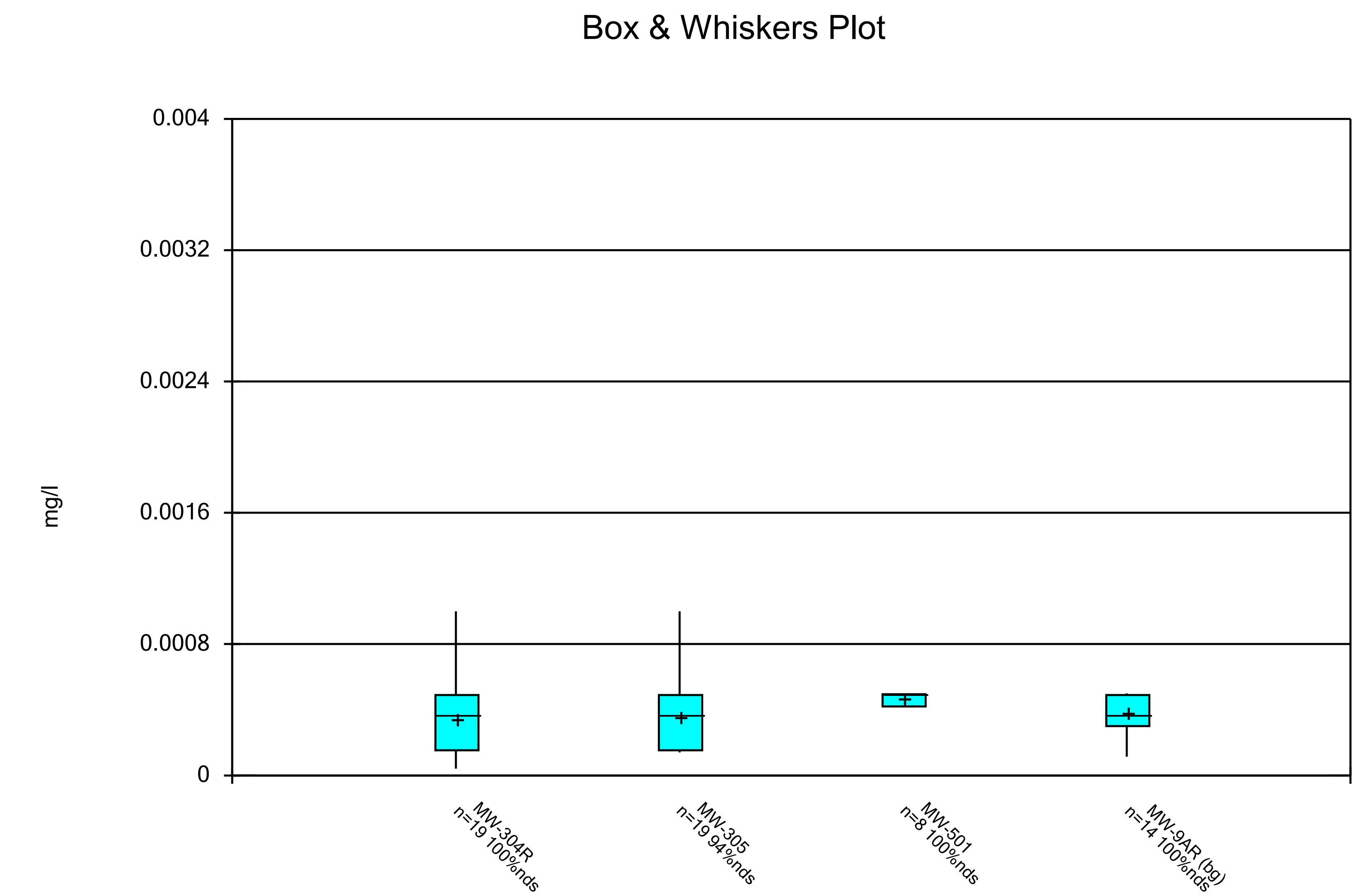
Box & Whiskers Plot



Constituent: Silver   Analysis Run 11/20/2023 9:32 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG



Constituent: Silver   Analysis Run 11/20/2023 9:32 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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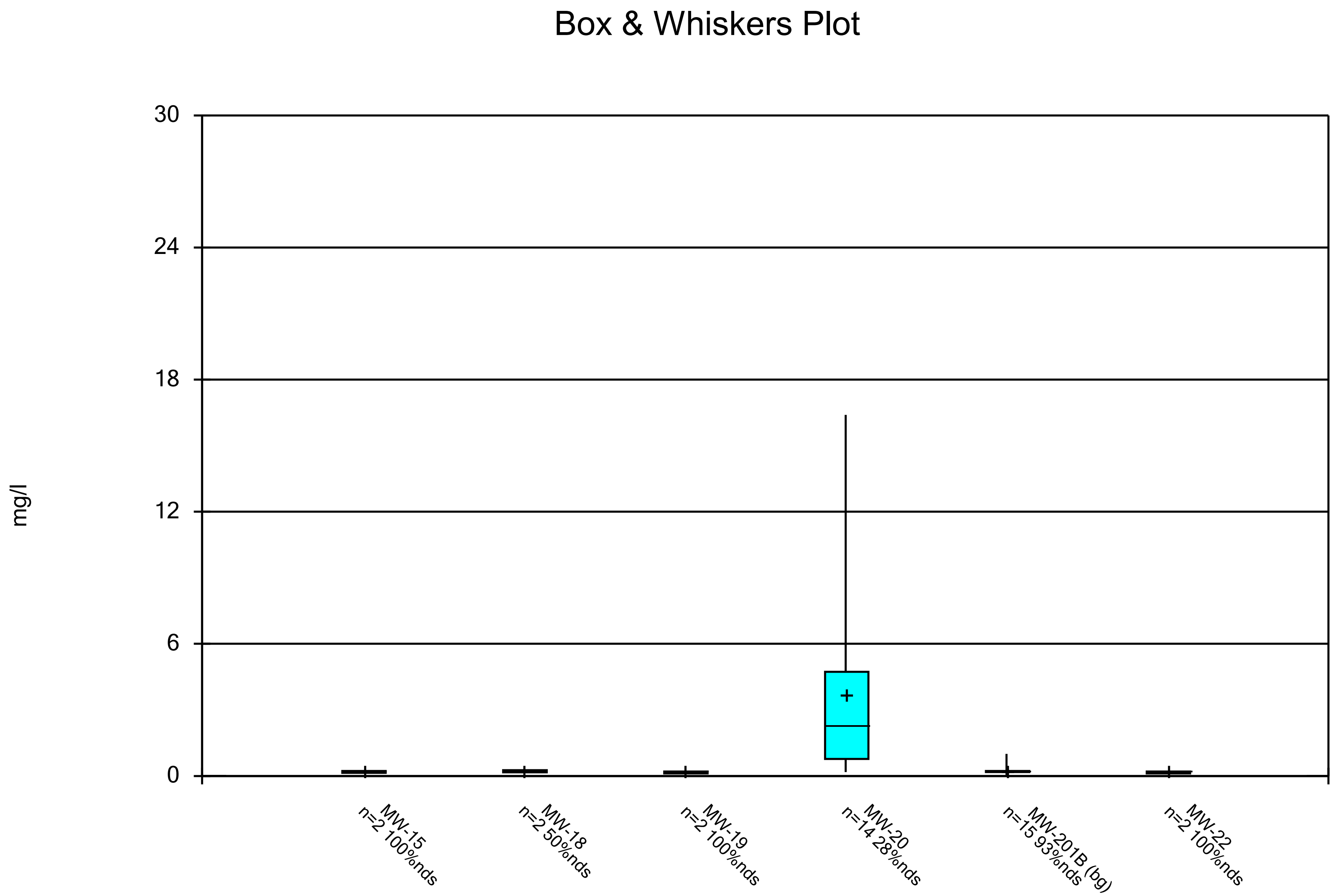

Constituent: Sulfide Analysis Run 11/20/2023 9:32 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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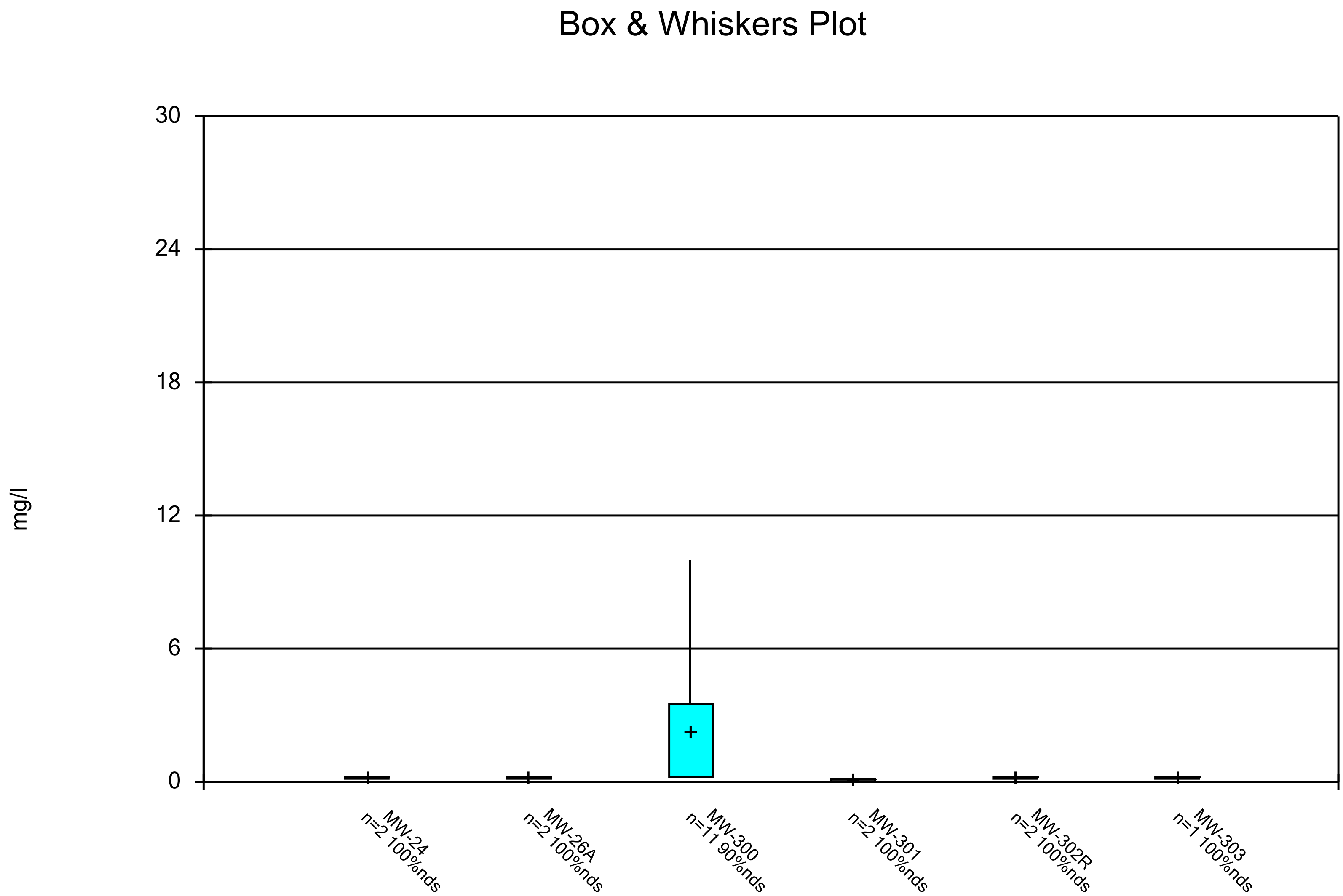

Constituent: Sulfide   Analysis Run 11/20/2023 9:32 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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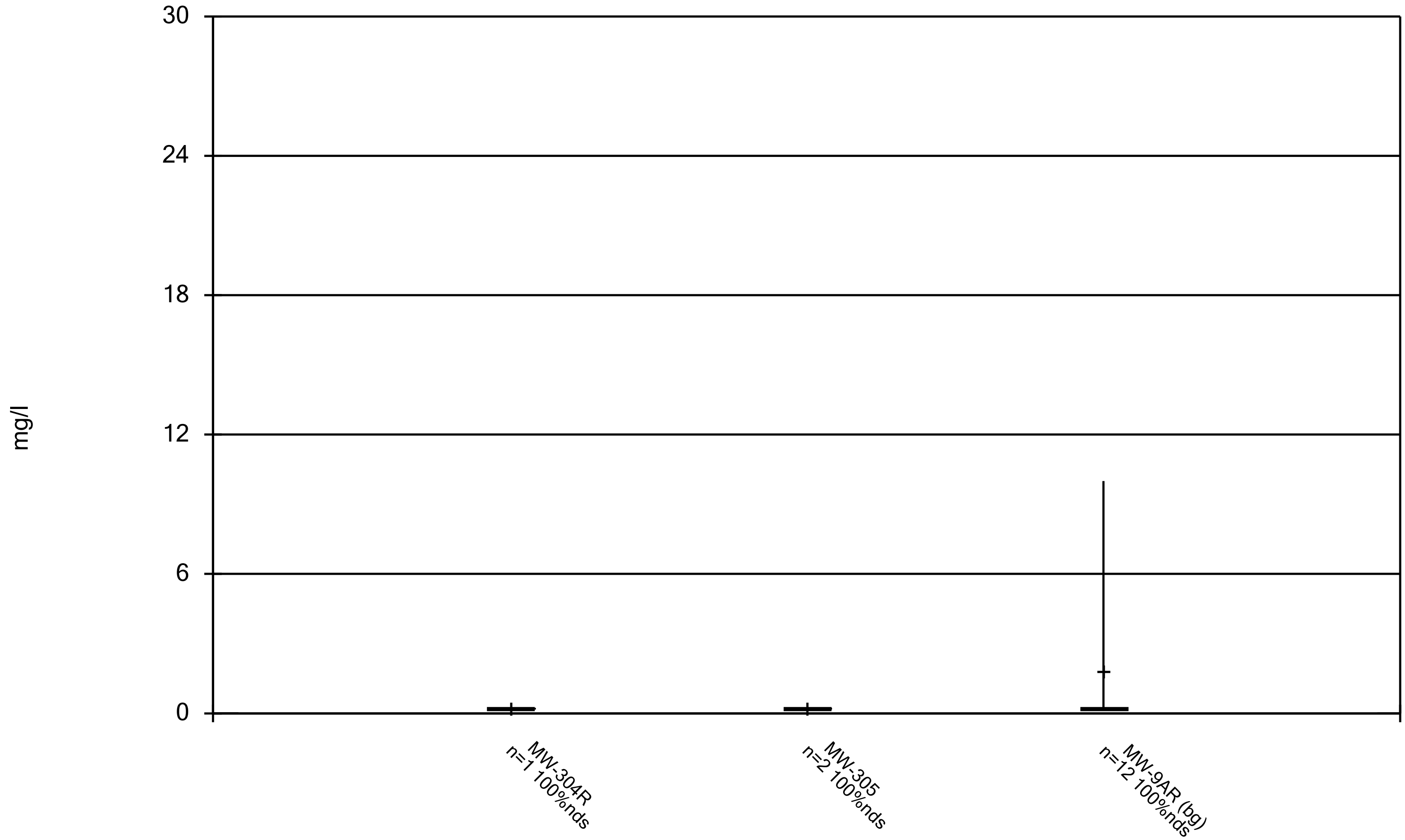
Box & Whiskers Plot



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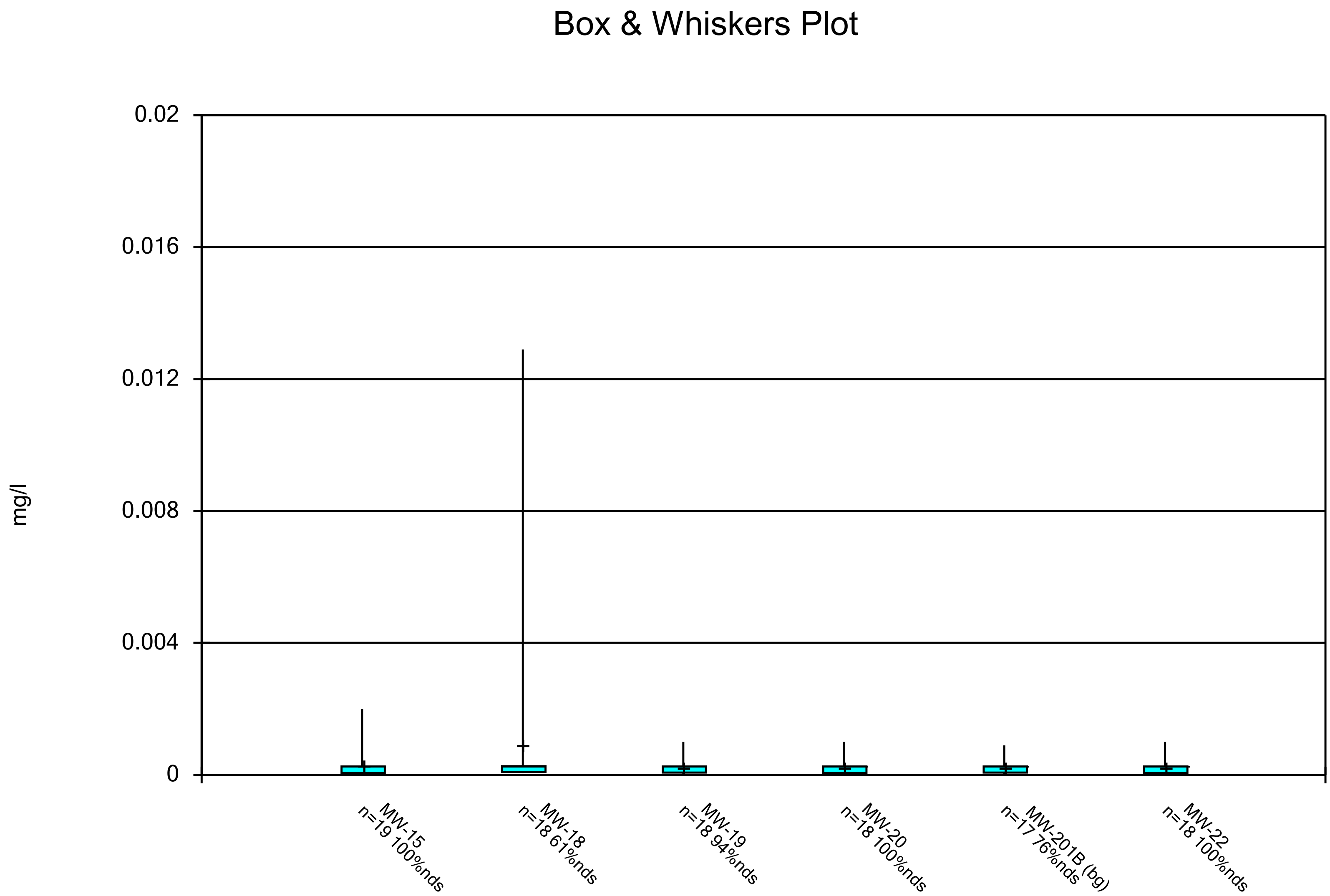
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG



Constituent: Thallium   Analysis Run 11/20/2023 9:33 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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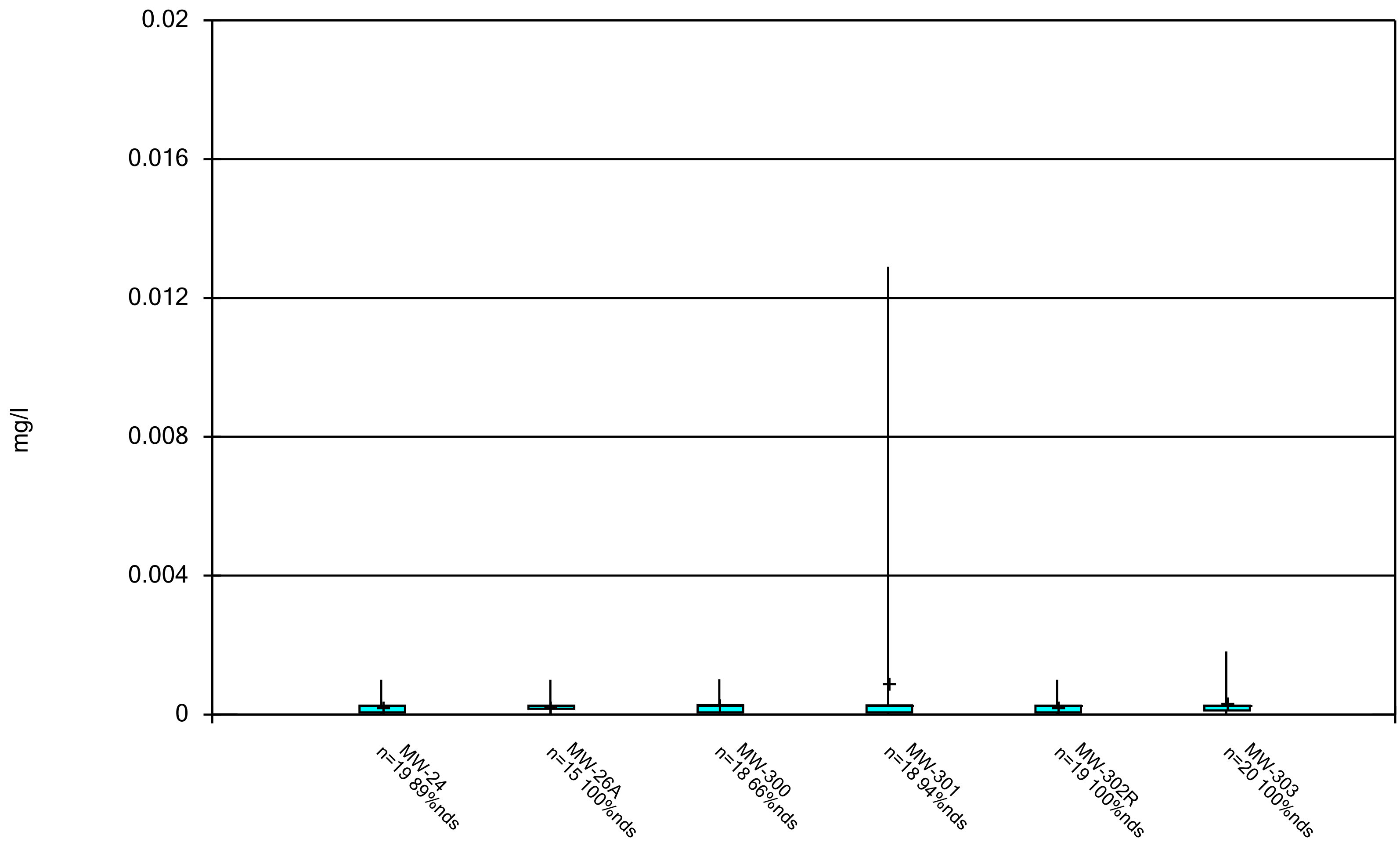
Box & Whiskers Plot



Constituent: Thallium   Analysis Run 11/20/2023 9:33 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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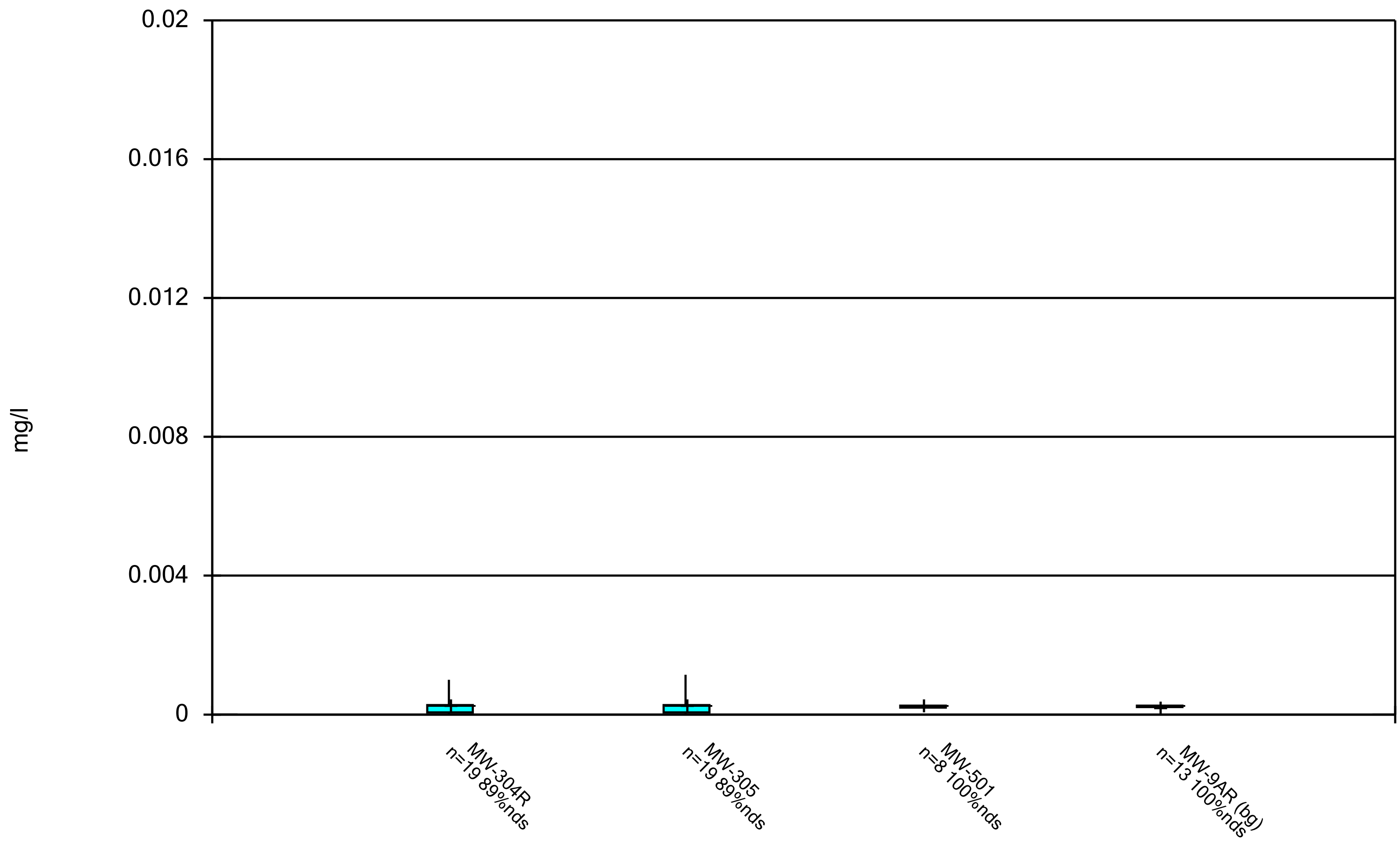
Box & Whiskers Plot



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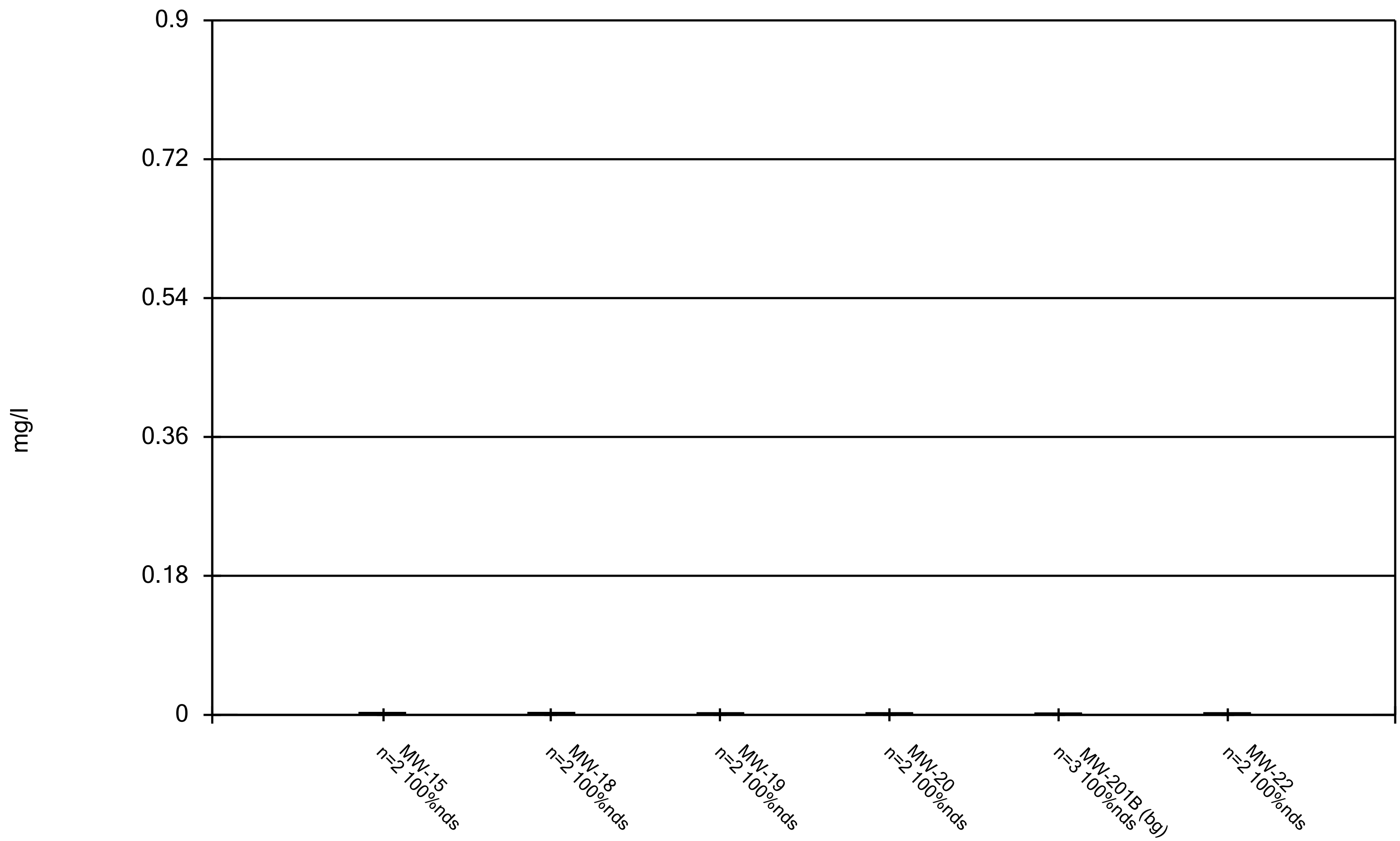
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Box & Whiskers Plot



Constituent: Tin   Analysis Run 11/20/2023 9:33 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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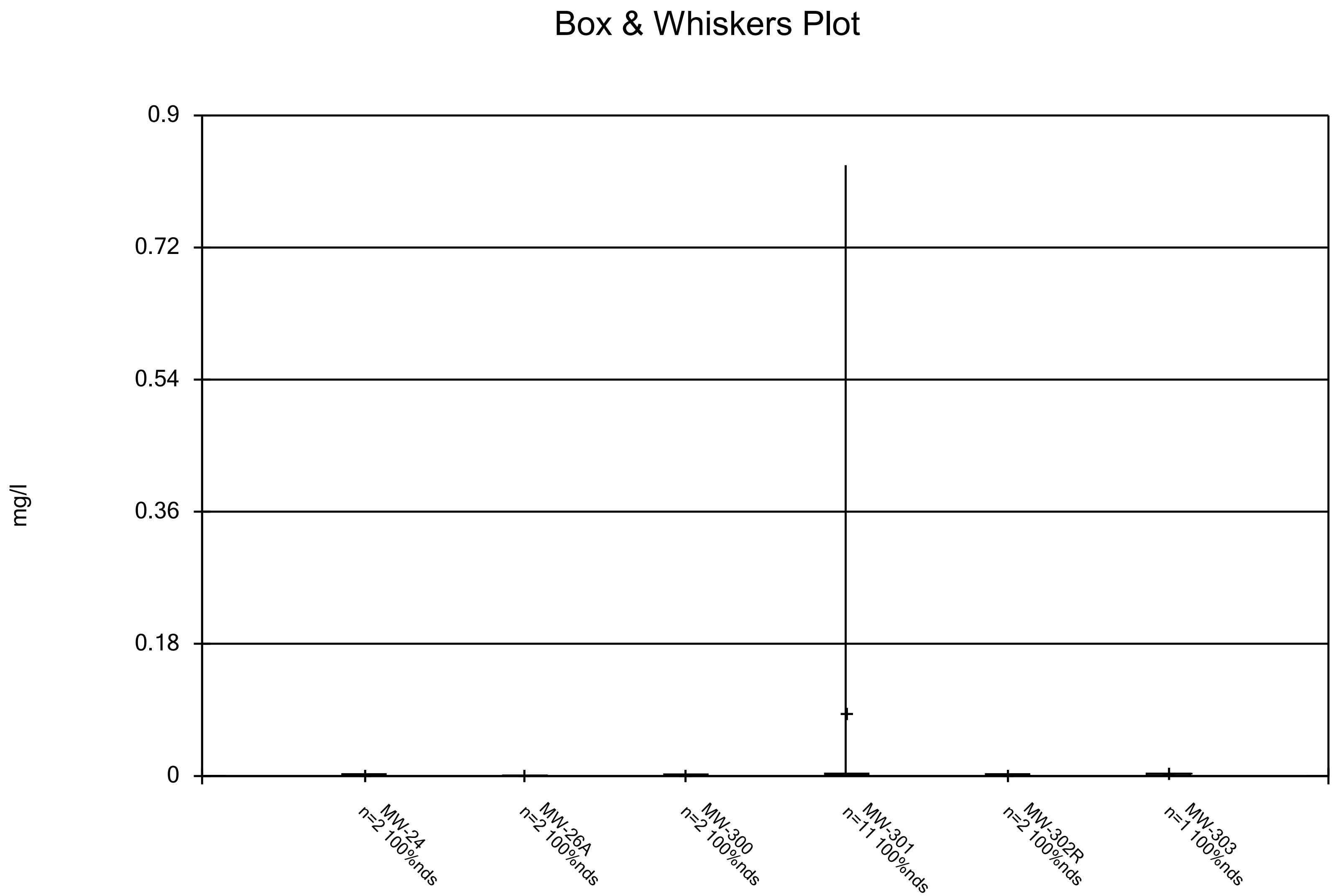

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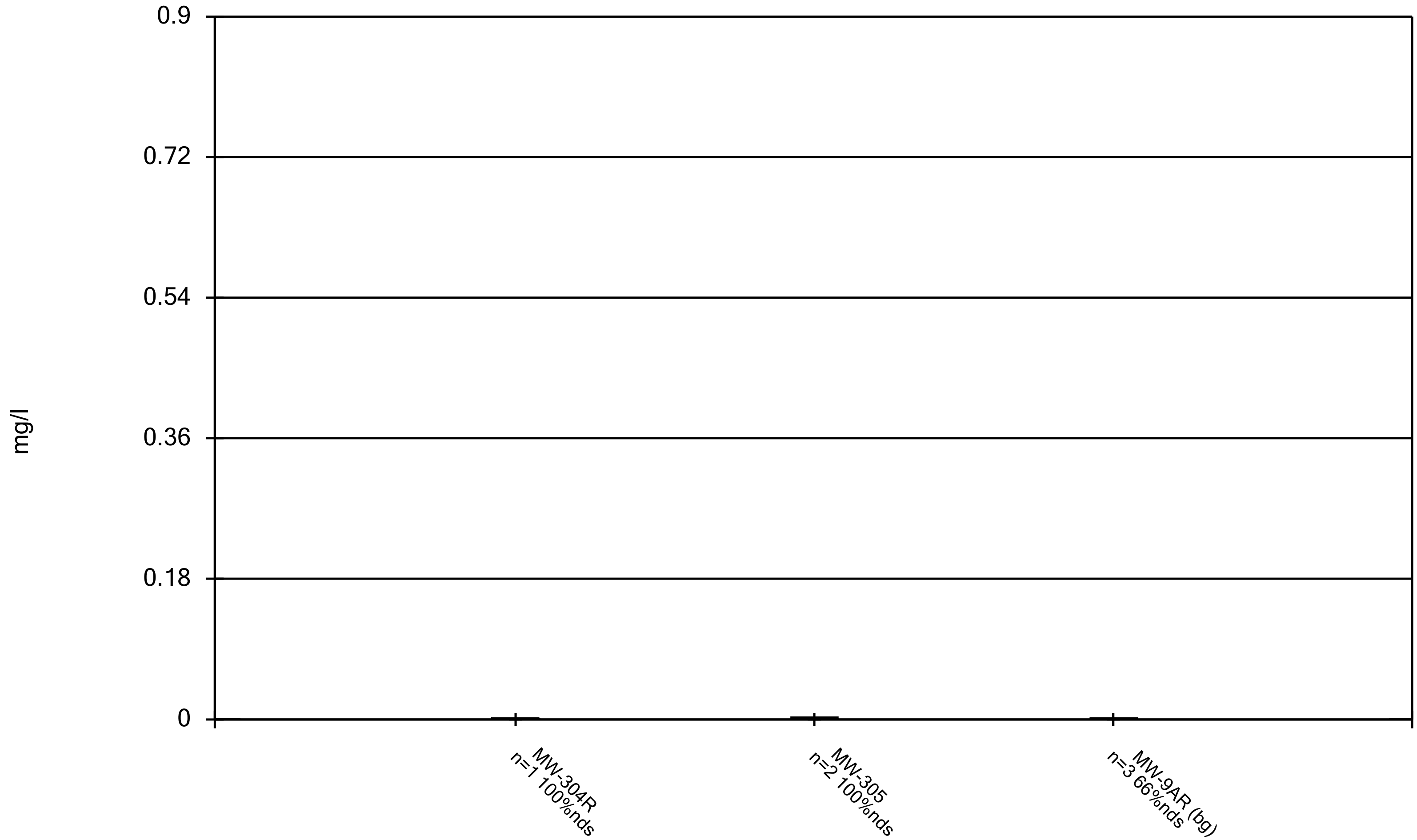
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

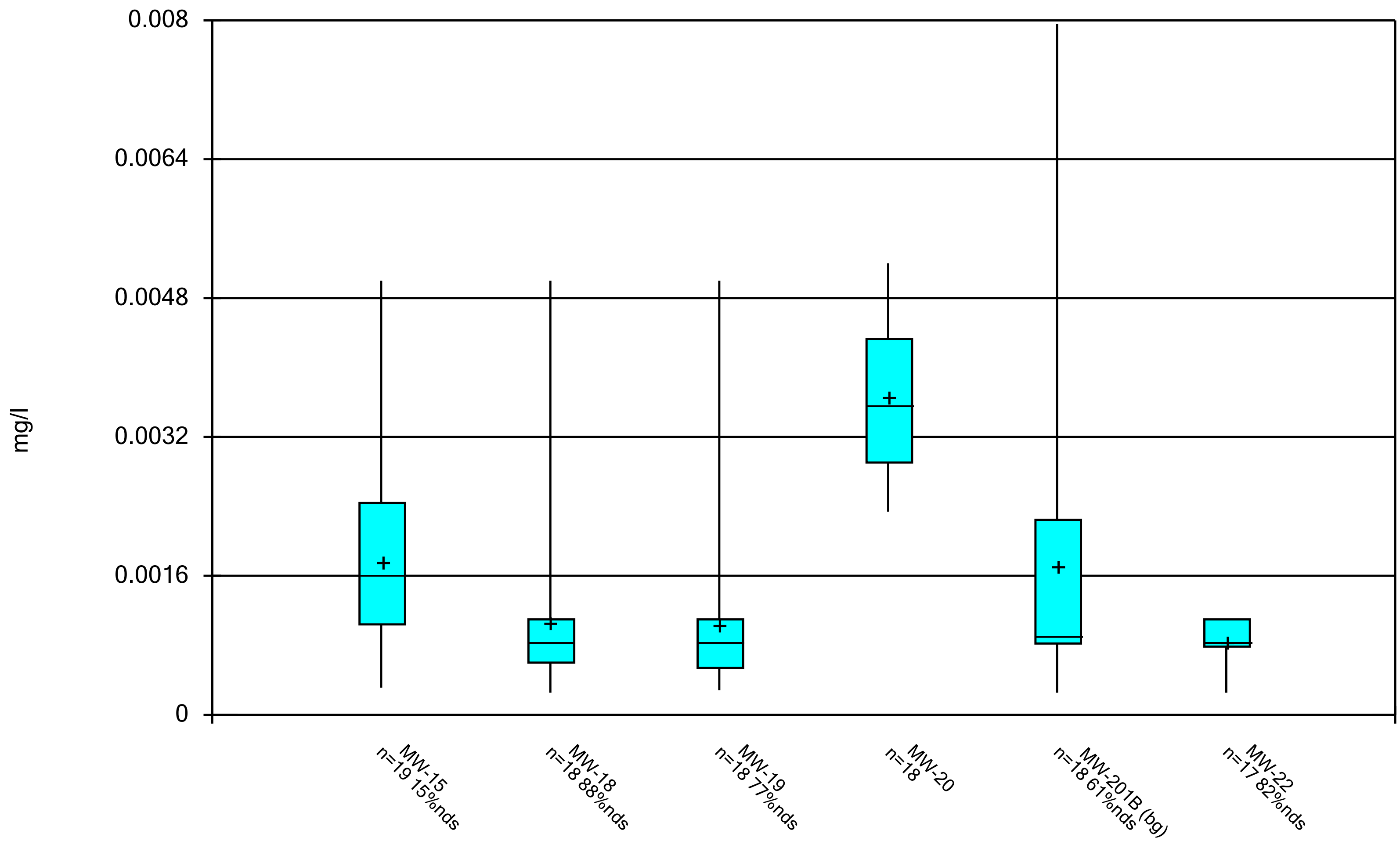
Box & Whiskers Plot



Constituent: Tin   Analysis Run 11/20/2023 9:33 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Box & Whiskers Plot



Constituent: Vanadium   Analysis Run 11/20/2023 9:33 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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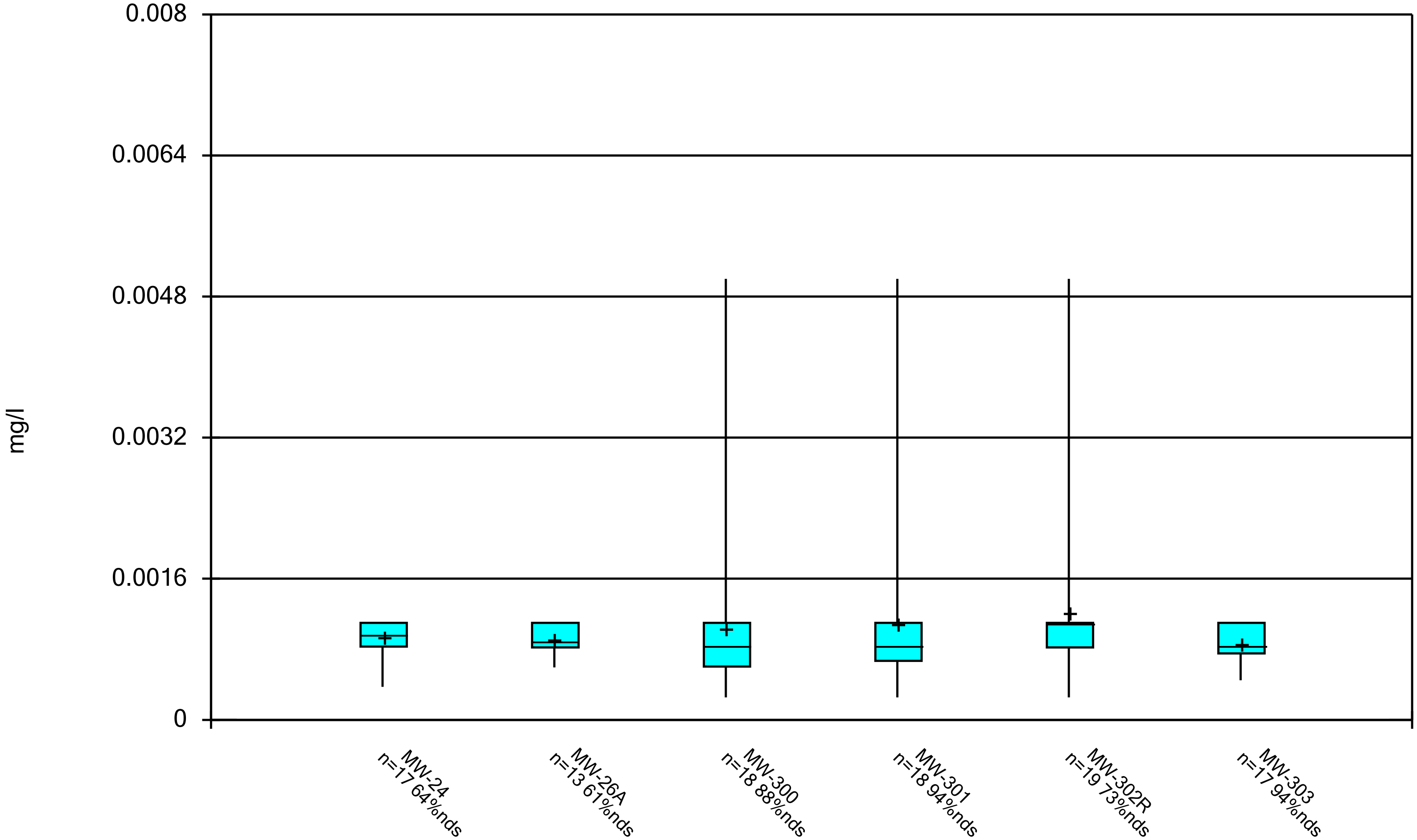
Box & Whiskers Plot



Constituent: Vanadium   Analysis Run 11/20/2023 9:33 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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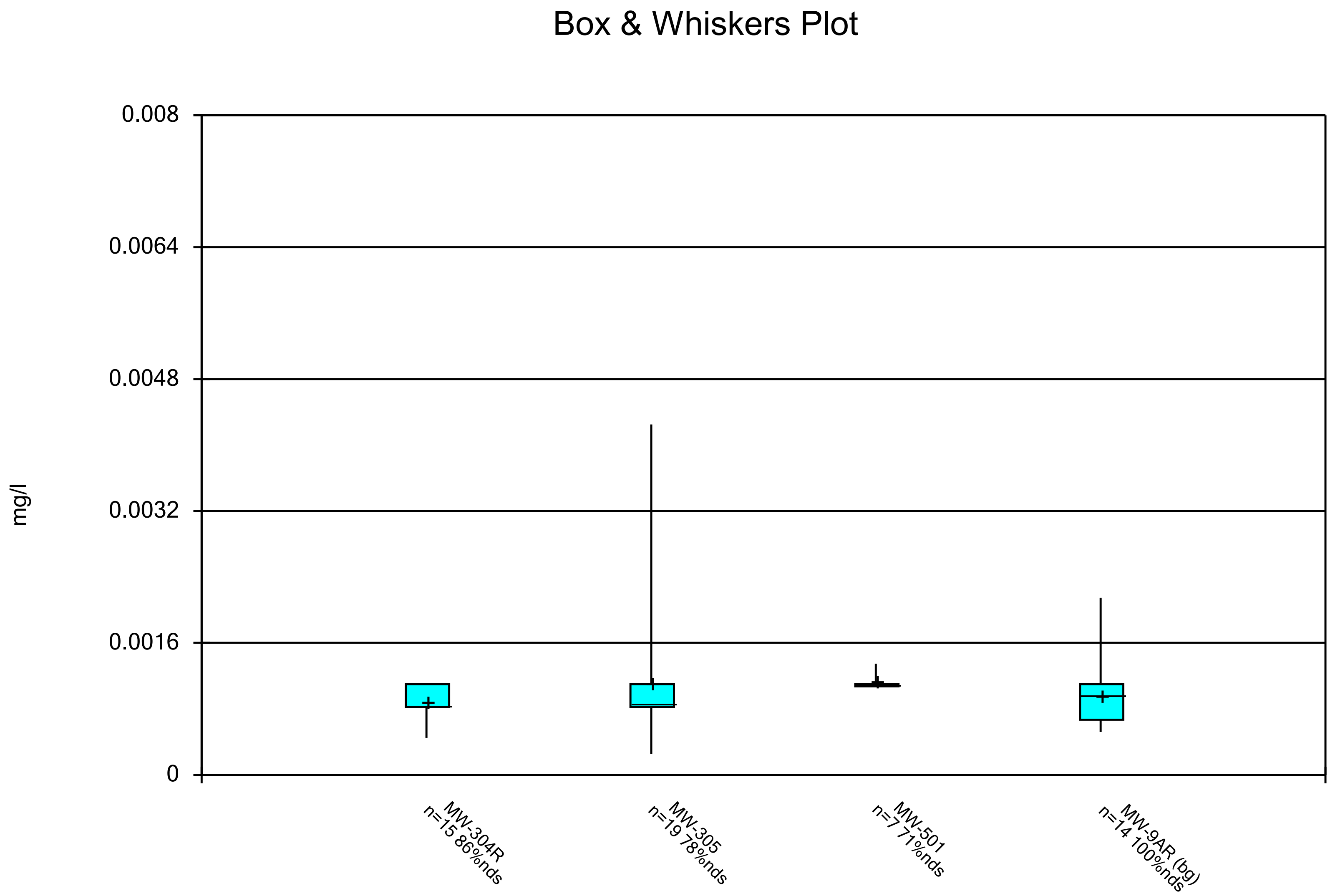

Constituent: Vanadium Analysis Run 11/20/2023 9:33 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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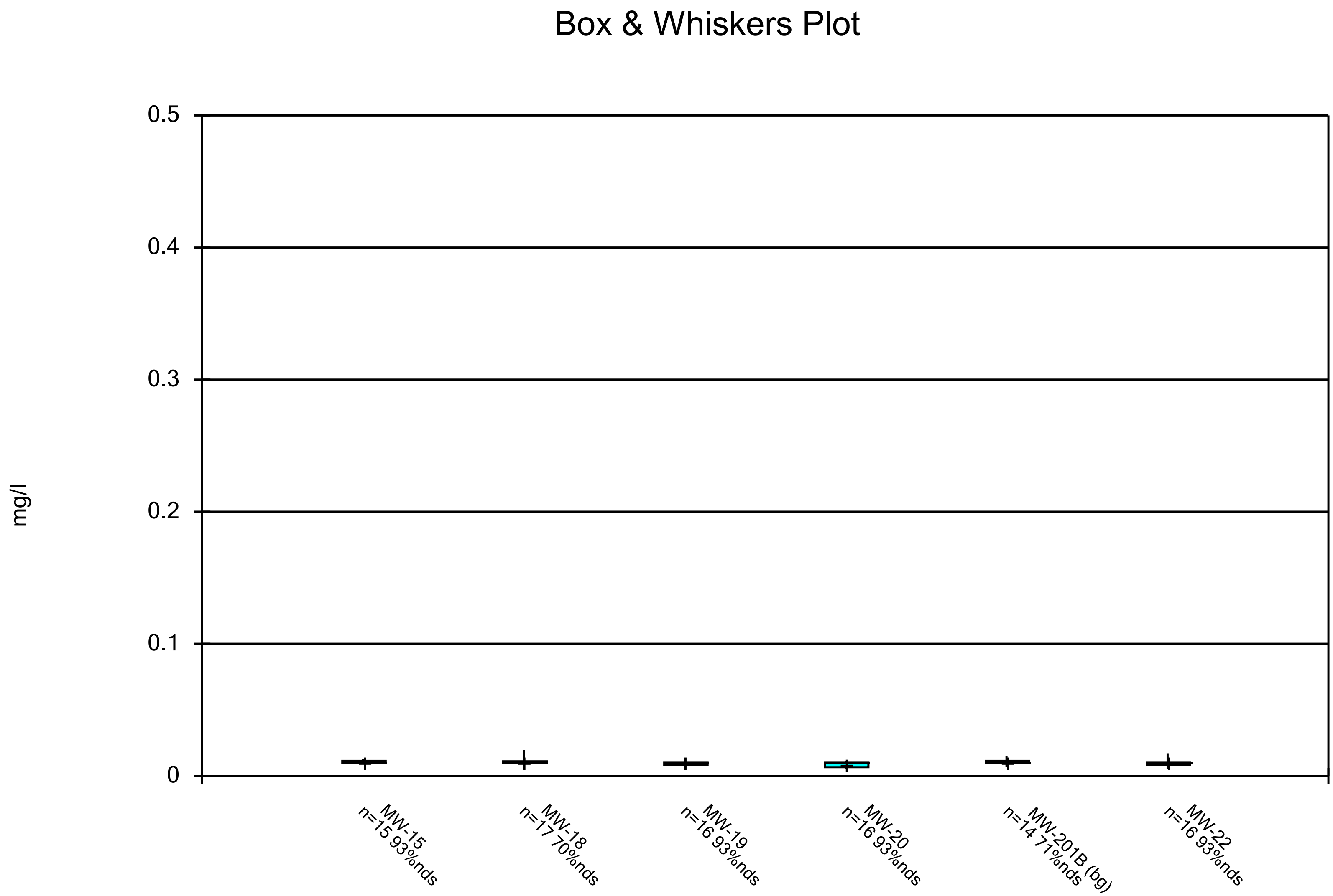

Constituent: Zinc Analysis Run 11/20/2023 9:33 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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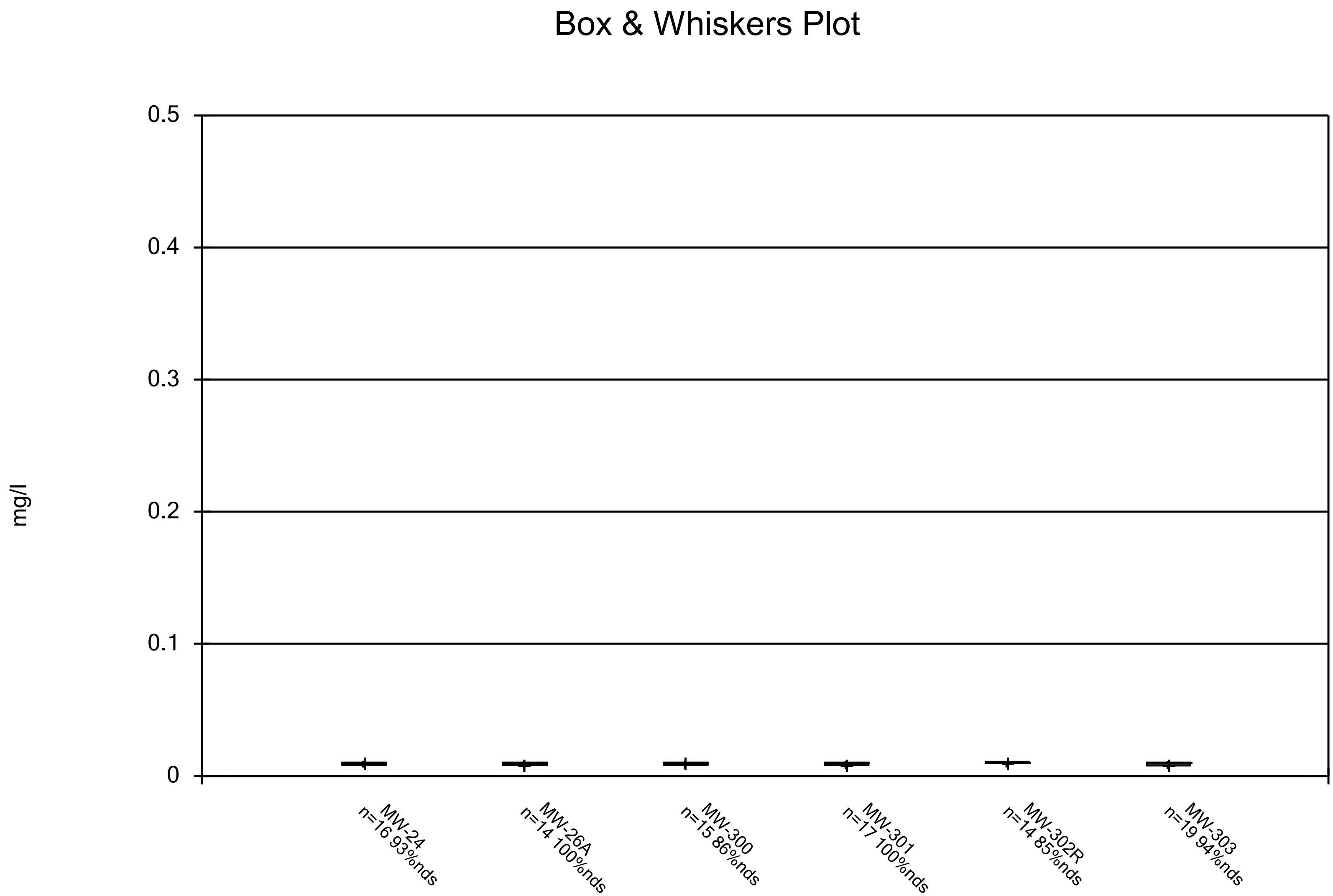
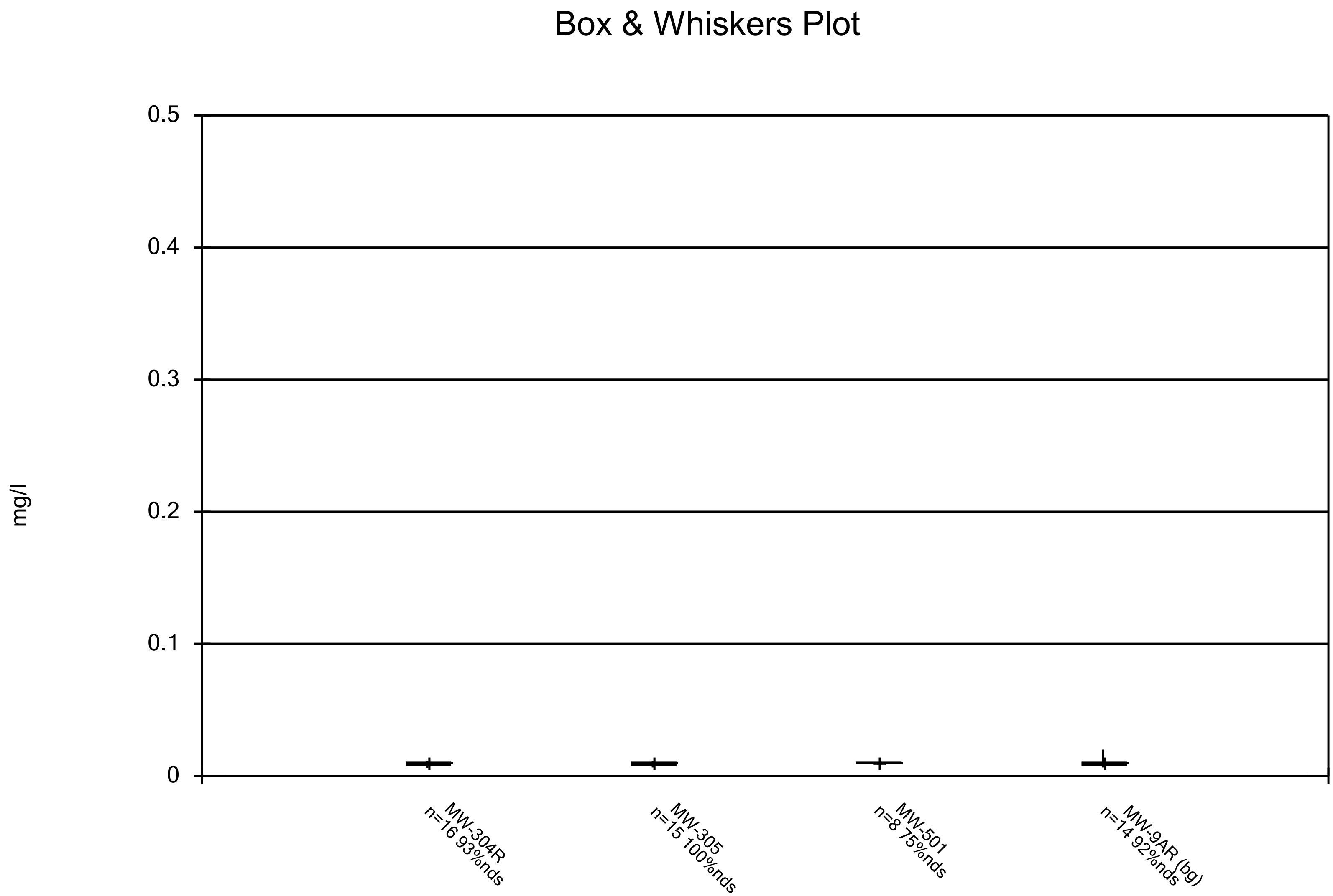


Constituent: Zinc   Analysis Run 11/20/2023 9:33 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG



Constituent: Zinc Analysis Run 11/20/2023 9:33 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Box & Whiskers Plot

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/20/2023, 9:33 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Lower Q.	Upper Q.	Min.	Max.	%NDs
Antimony (mg/l)	MW-15	19	0.0005765	0.0003259	0.0000...	0.00053	0.000266	0.001	0.000161	0.0011	89.47
Antimony (mg/l)	MW-18	18	0.0006392	0.0004512	0.0001064	0.00053	0.000237	0.001	0.000161	0.00193	94.44
Antimony (mg/l)	MW-19	18	0.0005934	0.0003256	0.0000...	0.00053	0.000264	0.001	0.000161	0.0011	94.44
Antimony (mg/l)	MW-20	17	0.0006006	0.0003356	0.0000814	0.00053	0.000237	0.001	0.000185	0.0011	94.12
Antimony (mg/l)	MW-201B (bg)	18	0.001038	0.0005308	0.0001251	0.001045	0.000609	0.001405	0.000373	0.0023	27.78
Antimony (mg/l)	MW-22	18	0.0005917	0.000327	0.0000...	0.00053	0.000237	0.001	0.000185	0.0011	100
Antimony (mg/l)	MW-24	19	0.0006589	0.0003943	0.0000...	0.00058	0.000237	0.001	0.000185	0.00161	94.74
Antimony (mg/l)	MW-26A	15	0.0005973	0.0003139	0.0000...	0.00053	0.00042	0.001	0.000185	0.0011	100
Antimony (mg/l)	MW-300	18	0.000597	0.0003577	0.0000...	0.00053	0.000237	0.001	0.000185	0.00113	83.33
Antimony (mg/l)	MW-301	18	0.0006428	0.0004451	0.0001049	0.00053	0.000237	0.001	0.000185	0.00192	94.44
Antimony (mg/l)	MW-302R	19	0.0005703	0.0003312	0.0000...	0.00053	0.000237	0.001	0.000185	0.0011	100
Antimony (mg/l)	MW-303	20	0.0008458	0.001001	0.0002239	0.000555	0.0003285	0.00105	0.000161	0.00483	100
Antimony (mg/l)	MW-304R	19	0.0007023	0.0004101	0.0000...	0.00058	0.00042	0.001	0.000185	0.00161	100
Antimony (mg/l)	MW-305	19	0.0005703	0.0003312	0.0000...	0.00053	0.000237	0.001	0.000185	0.0011	100
Antimony (mg/l)	MW-501	8	0.001074	0.0003792	0.0001341	0.00105	0.000845	0.0011	0.00069	0.00191	87.5
Antimony (mg/l)	MW-9AR (bg)	14	0.0008306	0.0003712	0.0000992	0.00069	0.00052	0.0011	0.00042	0.00165	85.71
Arsenic (mg/l)	MW-15	20	0.003362	0.003971	0.0008881	0.001935	0.001325	0.004115	0.000375	0.0184	10
Arsenic (mg/l)	MW-18	18	0.001346	0.0008508	0.0002005	0.000...	0.000776	0.0018	0.00075	0.00413	27.78
Arsenic (mg/l)	MW-19	18	0.005411	0.003646	0.0008595	0.00498	0.002735	0.00737	0.000885	0.0143	0
Arsenic (mg/l)	MW-20	18	0.007418	0.004553	0.001073	0.006465	0.004295	0.009605	0.000285	0.0208	5.556
Arsenic (mg/l)	MW-201B (bg)	18	0.001443	0.001006	0.0002372	0.00116	0.000749	0.00171	0.000375	0.00428	11.11
Arsenic (mg/l)	MW-22	16	0.003159	0.0004585	0.0001146	0.00309	0.00291	0.003285	0.00262	0.00465	0
Arsenic (mg/l)	MW-24	18	0.0007279	0.0001219	0.0000...	0.00075	0.000634	0.0008285	0.000505	0.000945	61.11
Arsenic (mg/l)	MW-26A	15	0.001281	0.001261	0.0003256	0.00075	0.000619	0.00152	0.000505	0.00516	73.33
Arsenic (mg/l)	MW-300	18	0.001791	0.001196	0.0002819	0.00152	0.00075	0.00282	0.000672	0.00458	38.89
Arsenic (mg/l)	MW-301	18	0.007713	0.002406	0.000567	0.007955	0.0055	0.01	0.00291	0.0113	0
Arsenic (mg/l)	MW-302R	19	0.0009047	0.0004411	0.0001012	0.000756	0.000672	0.00088	0.000505	0.00212	57.89
Arsenic (mg/l)	MW-303	19	0.00183	0.002037	0.0004674	0.00088	0.00057	0.00212	0.000505	0.0085	68.42
Arsenic (mg/l)	MW-304R	19	0.0009196	0.0004056	0.0000...	0.00075	0.000729	0.00099	0.000505	0.002	68.42
Arsenic (mg/l)	MW-305	19	0.000841	0.0004453	0.0001021	0.00075	0.00057	0.00088	0.000505	0.00204	89.47
Arsenic (mg/l)	MW-501	8	0.003746	0.003827	0.001353	0.002845	0.001245	0.00422	0.00075	0.0126	25
Arsenic (mg/l)	MW-9AR (bg)	14	0.001686	0.001059	0.0002831	0.00145	0.000984	0.00219	0.00044	0.00436	14.29
Barium (mg/l)	MW-15	19	0.1228	0.03387	0.007769	0.116	0.1	0.153	0.0658	0.189	0
Barium (mg/l)	MW-18	18	0.05742	0.01531	0.003608	0.0548	0.04545	0.0725	0.0343	0.0871	0
Barium (mg/l)	MW-19	18	0.2422	0.2162	0.05096	0.1445	0.05255	0.384	0.0413	0.686	0
Barium (mg/l)	MW-20	17	1.196	0.277	0.06718	1.09	0.9765	1.42	0.848	1.69	0
Barium (mg/l)	MW-201B (bg)	18	0.1167	0.06611	0.01558	0.0956	0.062	0.1835	0.0387	0.232	0
Barium (mg/l)	MW-22	18	1.059	0.06947	0.01637	1.08	1.01	1.09	0.923	1.22	0
Barium (mg/l)	MW-24	19	0.06482	0.01677	0.003848	0.0571	0.051	0.0797	0.0399	0.0968	0
Barium (mg/l)	MW-26A	15	0.1378	0.0931	0.02404	0.108	0.0856	0.185	0.0322	0.416	0
Barium (mg/l)	MW-300	18	0.1318	0.1022	0.02408	0.0917	0.05285	0.23	0.042	0.383	0
Barium (mg/l)	MW-301	18	0.06772	0.01538	0.003625	0.0681	0.05985	0.0757	0.0315	0.109	0
Barium (mg/l)	MW-302R	19	0.04594	0.05589	0.01282	0.0168	0.0139	0.0731	0.0112	0.17	0
Barium (mg/l)	MW-303	20	0.07333	0.0782	0.01749	0.0511	0.0406	0.0625	0.0189	0.344	0
Barium (mg/l)	MW-304R	18	0.05069	0.01452	0.003422	0.04925	0.04045	0.0578	0.0328	0.0975	0
Barium (mg/l)	MW-305	19	0.1057	0.03577	0.008207	0.118	0.0654	0.137	0.0511	0.156	0
Barium (mg/l)	MW-501	8	0.04485	0.01135	0.004014	0.04725	0.03805	0.05305	0.0237	0.0584	0
Barium (mg/l)	MW-9AR (bg)	14	0.4966	0.05973	0.01596	0.5205	0.433	0.5465	0.392	0.575	0
Beryllium (mg/l)	MW-15	19	0.0002661	0.0001935	0.0000...	0.00027	0.00019	0.00027	0.000039	0.001	100
Beryllium (mg/l)	MW-18	17	0.0002329	0.0000...	0.0000...	0.00027	0.00019	0.00027	0.000067	0.00033	94.12

Box & Whiskers Plot

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/20/2023, 9:33 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Lower Q.	Upper Q.	Min.	Max.	%NDs
Beryllium (mg/l)	MW-19	18	0.0002744	0.0001954	0.0000...	0.00027	0.00019	0.00027	0.000047	0.001	94.44
Beryllium (mg/l)	MW-20	16	0.0002432	0.0000...	0.0000...	0.00027	0.0002055	0.00027	0.000125	0.00033	100
Beryllium (mg/l)	MW-201B (bg)	18	0.0002243	0.0000...	0.0000...	0.00027	0.0001575	0.00027	0.000039	0.00033	88.89
Beryllium (mg/l)	MW-22	18	0.0002281	0.0000...	0.0000...	0.00027	0.0001665	0.00027	0.00007	0.00033	88.89
Beryllium (mg/l)	MW-24	19	0.0002664	0.0001931	0.0000443	0.00027	0.00019	0.00027	0.000045	0.001	94.74
Beryllium (mg/l)	MW-26A	15	0.0002905	0.0002027	0.0000...	0.00027	0.00019	0.00027	0.000125	0.001	100
Beryllium (mg/l)	MW-300	17	0.0002762	0.0001997	0.0000...	0.00027	0.00019	0.00027	0.000073	0.001	94.12
Beryllium (mg/l)	MW-301	17	0.0002419	0.0000...	0.0000...	0.00027	0.0002055	0.00027	0.000125	0.00033	100
Beryllium (mg/l)	MW-302R	19	0.0002267	0.0000...	0.0000...	0.00027	0.00019	0.00027	0.00007	0.00033	94.74
Beryllium (mg/l)	MW-303	17	0.0002312	0.0000...	0.0000...	0.00027	0.00019	0.00027	0.000039	0.00033	100
Beryllium (mg/l)	MW-304R	19	0.00029	0.0001962	0.0000...	0.00027	0.00019	0.00027	0.000088	0.001	94.74
Beryllium (mg/l)	MW-305	19	0.0002757	0.000186	0.0000...	0.00027	0.00019	0.00027	0.000125	0.001	100
Beryllium (mg/l)	MW-501	7	0.0002791	0.0000...	0.0000...	0.00027	0.00027	0.000274	0.00027	0.00033	85.71
Beryllium (mg/l)	MW-9AR (bg)	13	0.0002608	0.0000...	0.0000...	0.00027	0.00023	0.00027	0.00019	0.00033	100
Cadmium (mg/l)	MW-15	18	0.000101	0.0001057	0.0000...	0.000...	0.0000441	0.000122	0.000...	0.0005	66.67
Cadmium (mg/l)	MW-18	18	0.0001578	0.0001061	0.0000...	0.000...	0.000094	0.0001825	0.000063	0.00053	0
Cadmium (mg/l)	MW-19	18	0.00009346	0.0001071	0.0000...	0.000...	0.00004155	0.000106	0.000...	0.0005	88.89
Cadmium (mg/l)	MW-20	17	0.0000592	0.0000239	0.0000...	0.000051	0.00004155	0.0000685	0.000...	0.000112	100
Cadmium (mg/l)	MW-201B (bg)	17	0.0000662	0.0000...	0.0000...	0.000055	0.00004155	0.0000905	0.000...	0.000139	82.35
Cadmium (mg/l)	MW-22	17	0.00005468	0.0000...	0.0000...	0.000051	0.000039	0.00006	0.000...	0.0001	100
Cadmium (mg/l)	MW-24	19	0.0002282	0.0001874	0.000043	0.000158	0.000087	0.000399	0.000039	0.000659	26.32
Cadmium (mg/l)	MW-26A	15	0.000101	0.0001154	0.0000...	0.000065	0.000049	0.0001	0.000...	0.0005	66.67
Cadmium (mg/l)	MW-300	18	0.0001756	0.0001546	0.0000...	0.0001	0.00007	0.000236	0.000055	0.000599	27.78
Cadmium (mg/l)	MW-301	17	0.00006561	0.0000...	0.0000...	0.000051	0.00004155	0.0000605	0.000...	0.00026	88.24
Cadmium (mg/l)	MW-302R	19	0.0000797	0.0000542	0.0000...	0.00006	0.0000441	0.0001	0.000...	0.000272	63.16
Cadmium (mg/l)	MW-303	20	0.0006257	0.001397	0.0003123	0.000...	0.000052	0.0004365	0.000...	0.00629	40
Cadmium (mg/l)	MW-304R	18	0.00009941	0.0001063	0.0000...	0.000...	0.00004655	0.000106	0.000...	0.0005	72.22
Cadmium (mg/l)	MW-305	18	0.0000547	0.0000...	0.0000...	0.00005	0.000039	0.0000615	0.000...	0.0001	88.89
Cadmium (mg/l)	MW-501	8	0.00009562	0.0000...	0.0000204	0.000...	0.000053	0.000124	0.000051	0.000213	50
Cadmium (mg/l)	MW-9AR (bg)	13	0.00006123	0.0000...	0.0000...	0.000055	0.00005	0.0000685	0.000039	0.0001	100
Chromium (mg/l)	MW-15	18	0.0009322	0.0002284	0.0000...	0.00104	0.000729	0.0011	0.000355	0.00124	94.44
Chromium (mg/l)	MW-18	17	0.0009228	0.0002659	0.0000...	0.0011	0.0007445	0.0011	0.000355	0.00124	100
Chromium (mg/l)	MW-19	15	0.0009794	0.0002095	0.0000...	0.0011	0.00076	0.0011	0.000473	0.00124	93.33
Chromium (mg/l)	MW-20	17	0.001734	0.0004675	0.0001134	0.00161	0.00133	0.0021	0.00116	0.00273	0
Chromium (mg/l)	MW-201B (bg)	18	0.002334	0.003124	0.0007363	0.0011	0.0008545	0.002755	0.000355	0.0134	66.67
Chromium (mg/l)	MW-22	18	0.001127	0.0009942	0.0002343	0.00104	0.000729	0.0011	0.000355	0.005	88.89
Chromium (mg/l)	MW-24	18	0.00092	0.0002458	0.0000...	0.00104	0.000729	0.0011	0.000355	0.00124	94.44
Chromium (mg/l)	MW-26A	14	0.0009071	0.0002812	0.0000...	0.00098	0.0007445	0.0011	0.000355	0.0014	85.71
Chromium (mg/l)	MW-300	18	0.001101	0.001012	0.0002385	0.00104	0.000729	0.0011	0.000355	0.005	94.44
Chromium (mg/l)	MW-301	17	0.0008765	0.0002756	0.0000...	0.00098	0.000729	0.0011	0.000355	0.0011	94.12
Chromium (mg/l)	MW-302R	19	0.001083	0.0009863	0.0002263	0.00098	0.000729	0.0011	0.000355	0.005	94.74
Chromium (mg/l)	MW-303	18	0.0009868	0.0002342	0.0000552	0.0011	0.00076	0.0011	0.000355	0.00133	94.44
Chromium (mg/l)	MW-304R	17	0.000969	0.0002264	0.0000549	0.0011	0.00076	0.0011	0.000355	0.00124	100
Chromium (mg/l)	MW-305	19	0.001081	0.0009872	0.0002265	0.00098	0.000729	0.0011	0.000355	0.005	100
Chromium (mg/l)	MW-501	8	0.0011	0	0	0.0011	0.0011	0.0011	0.0011	0.0011	100
Chromium (mg/l)	MW-9AR (bg)	14	0.001013	0.0001444	0.0000...	0.0011	0.00087	0.0011	0.00076	0.00114	100
Cobalt (mg/l)	MW-15	20	0.002104	0.001102	0.0002465	0.00182	0.001395	0.00294	0.000701	0.00467	0
Cobalt (mg/l)	MW-18	19	0.007708	0.005696	0.001307	0.00612	0.00407	0.00817	0.00255	0.0246	0
Cobalt (mg/l)	MW-19	18	0.01393	0.003396	0.0008005	0.0148	0.01094	0.0156	0.00707	0.0198	0
Cobalt (mg/l)	MW-20	18	0.004219	0.001186	0.0002796	0.00384	0.003175	0.00536	0.00265	0.00632	0

Box & Whiskers Plot

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/20/2023, 9:33 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Lower Q.	Upper Q.	Min.	Max.	%NDs
Cobalt (mg/l)	MW-201B (bg)	18	0.0005338	0.0007555	0.0001781	0.000194	0.000109	0.0006805	0.000091	0.00288	22.22
Cobalt (mg/l)	MW-22	17	0.0003461	0.0001033	0.0000...	0.000321	0.0002775	0.0004195	0.000202	0.000581	0
Cobalt (mg/l)	MW-24	20	0.002956	0.004172	0.0009329	0.001775	0.0005745	0.003195	0.00031	0.0177	0
Cobalt (mg/l)	MW-26A	16	0.01154	0.02528	0.006319	0.00117	0.000775	0.00813	0.0003	0.0994	0
Cobalt (mg/l)	MW-300	18	0.006029	0.006713	0.001582	0.003325	0.000345	0.01121	0.000095	0.0205	5.556
Cobalt (mg/l)	MW-301	18	0.006846	0.002775	0.000654	0.0067	0.004725	0.00917	0.00273	0.0135	0
Cobalt (mg/l)	MW-302R	19	0.001382	0.001323	0.0003034	0.000805	0.000313	0.00245	0.000085	0.00491	10.53
Cobalt (mg/l)	MW-303	21	0.008579	0.01403	0.003061	0.000798	0.0002675	0.0148	0.000185	0.0539	0
Cobalt (mg/l)	MW-304R	20	0.003746	0.003873	0.0008659	0.00218	0.000079	0.007685	0.000...	0.0106	10
Cobalt (mg/l)	MW-305	19	0.002044	0.0008268	0.0001897	0.00181	0.0015	0.00209	0.00139	0.00468	0
Cobalt (mg/l)	MW-501	8	0.005535	0.002019	0.0007137	0.005315	0.00418	0.00578	0.00363	0.0101	0
Cobalt (mg/l)	MW-9AR (bg)	14	0.0005794	0.0007388	0.0001975	0.000...	0.000091	0.000871	0.000091	0.00243	28.57
Copper (mg/l)	MW-15	18	0.001903	0.0006307	0.0001487	0.0019	0.0015	0.00219	0.000485	0.0032	83.33
Copper (mg/l)	MW-18	18	0.001695	0.000558	0.0001315	0.0017	0.00131	0.002	0.000774	0.0032	83.33
Copper (mg/l)	MW-19	18	0.001817	0.0004585	0.0001081	0.0018	0.00145	0.002	0.00122	0.0032	94.44
Copper (mg/l)	MW-20	17	0.001741	0.0005689	0.000138	0.0018	0.0014	0.002	0.000485	0.0032	100
Copper (mg/l)	MW-201B (bg)	18	0.002591	0.001696	0.0003998	0.002185	0.00165	0.003035	0.000485	0.00792	50
Copper (mg/l)	MW-22	16	0.00187	0.0005952	0.0001488	0.0019	0.00155	0.002185	0.0005	0.0032	81.25
Copper (mg/l)	MW-24	19	0.002298	0.0007463	0.0001712	0.00219	0.0018	0.00315	0.00124	0.00369	47.37
Copper (mg/l)	MW-26A	15	0.001928	0.0007801	0.0002014	0.0016	0.00147	0.002	0.00122	0.00412	86.67
Copper (mg/l)	MW-300	18	0.001823	0.0005796	0.0001366	0.0018	0.0015	0.002165	0.000592	0.0032	72.22
Copper (mg/l)	MW-301	16	0.001789	0.0004762	0.000119	0.0018	0.00145	0.002	0.00122	0.0032	93.75
Copper (mg/l)	MW-302R	19	0.002004	0.0006402	0.0001469	0.0018	0.0016	0.00219	0.00122	0.00378	68.42
Copper (mg/l)	MW-303	20	0.002248	0.002494	0.0005577	0.0017	0.0014	0.002	0.0005	0.0126	85
Copper (mg/l)	MW-304R	19	0.001731	0.0005953	0.0001366	0.0018	0.0014	0.002	0.000485	0.0032	89.47
Copper (mg/l)	MW-305	19	0.001796	0.0004735	0.0001086	0.0018	0.0014	0.002	0.00122	0.0032	100
Copper (mg/l)	MW-501	8	0.001761	0.0004072	0.000144	0.0018	0.0014	0.00183	0.0014	0.00263	75
Copper (mg/l)	MW-9AR (bg)	12	0.001692	0.0002065	0.0000...	0.0017	0.00155	0.0018	0.0014	0.002	100
Lead (mg/l)	MW-15	19	0.0003659	0.0002384	0.0000547	0.00027	0.00024	0.000324	0.000118	0.001	68.42
Lead (mg/l)	MW-18	18	0.0002929	0.0001256	0.0000296	0.000...	0.0002255	0.000324	0.00011	0.000641	72.22
Lead (mg/l)	MW-19	18	0.0002457	0.0000...	0.0000...	0.000245	0.000211	0.000294	0.00011	0.000326	83.33
Lead (mg/l)	MW-20	17	0.000248	0.0000...	0.0000...	0.00024	0.0002105	0.00027	0.000...	0.0005	100
Lead (mg/l)	MW-201B (bg)	18	0.001547	0.002157	0.0005085	0.000555	0.000324	0.00197	0.000211	0.00704	22.22
Lead (mg/l)	MW-22	18	0.0002992	0.0001441	0.0000...	0.000245	0.000211	0.0003225	0.00011	0.000648	88.89
Lead (mg/l)	MW-24	18	0.0002526	0.0000...	0.0000128	0.00025	0.0002155	0.0003015	0.00011	0.000324	77.78
Lead (mg/l)	MW-26A	15	0.000372	0.0004398	0.0001136	0.00025	0.000211	0.000324	0.00011	0.00194	80
Lead (mg/l)	MW-300	17	0.0002419	0.0000...	0.0000...	0.00024	0.0002105	0.00027	0.00011	0.000369	82.35
Lead (mg/l)	MW-301	16	0.0002897	0.0001644	0.0000411	0.000245	0.000211	0.00027	0.00011	0.000829	93.75
Lead (mg/l)	MW-302R	19	0.0003009	0.0001376	0.0000...	0.00024	0.000211	0.000325	0.00011	0.000663	78.95
Lead (mg/l)	MW-303	20	0.000422	0.0003953	0.0000884	0.00026	0.0002255	0.0004	0.00011	0.00168	75
Lead (mg/l)	MW-304R	19	0.0003677	0.0005142	0.000118	0.00024	0.00021	0.000324	0.000...	0.00246	89.47
Lead (mg/l)	MW-305	19	0.0002492	0.0000...	0.0000...	0.00025	0.000211	0.000275	0.00011	0.000324	73.68
Lead (mg/l)	MW-501	8	0.0006181	0.0007341	0.0002595	0.00024	0.000225	0.0007325	0.00021	0.00234	62.5
Lead (mg/l)	MW-9AR (bg)	14	0.0002311	0.0000...	0.0000...	0.00024	0.00021	0.00026	0.00011	0.00027	100
Mercury (mg/l)	MW-15	2	0.000111	0.0000...	0.000001	0.000111	0.000111	0.000111	0.00011	0.000112	100
Mercury (mg/l)	MW-18	2	0.000111	0.0000...	0.000001	0.000111	0.000111	0.000111	0.00011	0.000112	100
Mercury (mg/l)	MW-19	2	0.000146	0.0000...	0.000004	0.000146	0.000146	0.000146	0.000142	0.00015	100
Mercury (mg/l)	MW-20	2	0.000146	0.0000...	0.000004	0.000146	0.000146	0.000146	0.000142	0.00015	100
Mercury (mg/l)	MW-201B (bg)	4	0.0001367	0.0000...	0.0000...	0.000127	0.0001023	0.000171	0.000...	0.0002	100
Mercury (mg/l)	MW-22	2	0.000146	0.0000...	0.000004	0.000146	0.000146	0.000146	0.000142	0.00015	100

Box & Whiskers Plot

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/20/2023, 9:33 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Lower Q.	Upper Q.	Min.	Max.	%NDs
Mercury (mg/l)	MW-24	2	0.000111	0.0000...	0.000001	0.000111	0.000111	0.000111	0.00011	0.000112	100
Mercury (mg/l)	MW-26A	2	0.00015	0	0	0.00015	0.00015	0.00015	0.00015	0.00015	100
Mercury (mg/l)	MW-300	2	0.000146	0.0000...	0.000004	0.000146	0.000146	0.000146	0.000142	0.00015	100
Mercury (mg/l)	MW-301	11	0.0001364	0.0000...	0.0000...	0.000142	0.000112	0.00015	0.0001	0.0002	100
Mercury (mg/l)	MW-302R	2	0.000111	0.0000...	0.000001	0.000111	0.000111	0.000111	0.00011	0.000112	100
Mercury (mg/l)	MW-303	1	0.00015	0	0	0.00015	0.00015	0.00015	0.00015	0.00015	100
Mercury (mg/l)	MW-304R	1	0.0001	0	0	0.0001	0.0001	0.0001	0.0001	0.0001	100
Mercury (mg/l)	MW-305	2	0.000111	0.0000...	0.000001	0.000111	0.000111	0.000111	0.00011	0.000112	100
Mercury (mg/l)	MW-9AR (bg)	2	0.00015	0	0	0.00015	0.00015	0.00015	0.00015	0.00015	100
Nickel (mg/l)	MW-15	20	0.007116	0.002127	0.0004756	0.007275	0.005645	0.008555	0.00231	0.011	0
Nickel (mg/l)	MW-18	19	0.01836	0.006763	0.001551	0.0168	0.0127	0.0242	0.00831	0.0327	0
Nickel (mg/l)	MW-19	18	0.02874	0.008984	0.002117	0.02785	0.0211	0.03715	0.0144	0.0449	0
Nickel (mg/l)	MW-20	18	0.02291	0.008636	0.002035	0.02145	0.01615	0.02915	0.00997	0.0432	0
Nickel (mg/l)	MW-201B (bg)	18	0.002415	0.001406	0.0003315	0.0019	0.00153	0.003435	0.000929	0.00561	61.11
Nickel (mg/l)	MW-22	17	0.03384	0.002716	0.0006587	0.0346	0.0315	0.03565	0.0285	0.0382	0
Nickel (mg/l)	MW-24	20	0.04005	0.00944	0.002111	0.04435	0.03435	0.04755	0.0207	0.052	0
Nickel (mg/l)	MW-26A	16	0.0105	0.00919	0.002297	0.008365	0.00691	0.00992	0.00256	0.0437	0
Nickel (mg/l)	MW-300	18	0.01192	0.008467	0.001996	0.01175	0.005625	0.015	0.00095	0.032	5.556
Nickel (mg/l)	MW-301	18	0.009334	0.004097	0.0009657	0.00806	0.006465	0.01245	0.00333	0.0174	0
Nickel (mg/l)	MW-302R	20	0.008549	0.005087	0.001137	0.008705	0.00345	0.0116	0.0019	0.0187	20
Nickel (mg/l)	MW-303	21	0.02691	0.02892	0.00631	0.0146	0.00255	0.05475	0.00085	0.0818	9.524
Nickel (mg/l)	MW-304R	20	0.004776	0.003364	0.0007522	0.00379	0.002225	0.006165	0.0005	0.0125	10
Nickel (mg/l)	MW-305	19	0.002374	0.0008513	0.0001953	0.00203	0.00185	0.00285	0.001	0.00449	26.32
Nickel (mg/l)	MW-501	8	0.00953	0.005043	0.001783	0.008435	0.0068	0.009205	0.00576	0.0216	0
Nickel (mg/l)	MW-9AR (bg)	12	0.001699	0.0003385	0.0000977	0.0019	0.001695	0.0019	0.001	0.0019	91.67
Selenium (mg/l)	MW-15	16	0.0009701	0.0001991	0.0000...	0.00096	0.000914	0.001	0.00063	0.0014	93.75
Selenium (mg/l)	MW-18	16	0.001117	0.0004135	0.0001034	0.00096	0.000914	0.00125	0.00063	0.00229	68.75
Selenium (mg/l)	MW-19	16	0.001043	0.0002485	0.0000...	0.00098	0.000928	0.001017	0.00063	0.00168	81.25
Selenium (mg/l)	MW-20	16	0.001043	0.0002068	0.0000517	0.00098	0.000928	0.001225	0.00063	0.0014	81.25
Selenium (mg/l)	MW-201B (bg)	14	0.001021	0.0001642	0.0000...	0.00096	0.000928	0.001	0.0009	0.0014	100
Selenium (mg/l)	MW-22	16	0.0009689	0.0002211	0.0000...	0.00098	0.0009	0.001005	0.00063	0.0014	81.25
Selenium (mg/l)	MW-24	17	0.0009999	0.0001984	0.0000...	0.00096	0.000928	0.001	0.00063	0.00154	82.35
Selenium (mg/l)	MW-26A	15	0.001225	0.00106	0.0002738	0.00096	0.0009	0.001	0.00063	0.005	93.33
Selenium (mg/l)	MW-300	17	0.001082	0.0003503	0.0000...	0.00096	0.0009	0.001385	0.00063	0.00198	70.59
Selenium (mg/l)	MW-301	17	0.001183	0.001004	0.0002436	0.00096	0.0009	0.001	0.00063	0.005	94.12
Selenium (mg/l)	MW-302R	16	0.0009915	0.0001808	0.0000452	0.00096	0.000928	0.001	0.00064	0.0014	93.75
Selenium (mg/l)	MW-303	19	0.001385	0.001061	0.0002434	0.00096	0.000928	0.0014	0.00063	0.005	78.95
Selenium (mg/l)	MW-304R	17	0.0009881	0.0002006	0.0000...	0.00096	0.000928	0.001	0.00063	0.0014	94.12
Selenium (mg/l)	MW-305	19	0.001164	0.0009505	0.0002181	0.00096	0.0009	0.001	0.00063	0.005	100
Selenium (mg/l)	MW-501	8	0.00107	0.0002037	0.0000...	0.00096	0.00096	0.00118	0.00096	0.0014	100
Selenium (mg/l)	MW-9AR (bg)	14	0.001077	0.0002076	0.0000...	0.000991	0.00093	0.00131	0.0009	0.00149	78.57
Silver (mg/l)	MW-15	19	0.0003509	0.0002145	0.0000492	0.00037	0.000153	0.00049	0.000042	0.001	100
Silver (mg/l)	MW-18	18	0.0004108	0.0002939	0.0000...	0.00037	0.000153	0.00049	0.00014	0.00126	88.89
Silver (mg/l)	MW-19	18	0.0003627	0.0002143	0.0000...	0.00037	0.000153	0.00049	0.000042	0.001	100
Silver (mg/l)	MW-20	18	0.0003627	0.0002143	0.0000...	0.00037	0.000153	0.00049	0.000042	0.001	100
Silver (mg/l)	MW-201B (bg)	18	0.0003627	0.0002143	0.0000...	0.00037	0.000153	0.00049	0.000042	0.001	100
Silver (mg/l)	MW-22	18	0.0003688	0.000206	0.0000...	0.00037	0.000153	0.00049	0.00014	0.001	100
Silver (mg/l)	MW-24	19	0.0003516	0.0002134	0.0000...	0.00037	0.000153	0.00049	0.000055	0.001	94.74
Silver (mg/l)	MW-26A	15	0.0003771	0.000206	0.0000...	0.00037	0.0003	0.00042	0.00014	0.001	100
Silver (mg/l)	MW-300	18	0.0004041	0.0002483	0.0000...	0.00037	0.000153	0.0005	0.00014	0.001	88.89

Box & Whiskers Plot

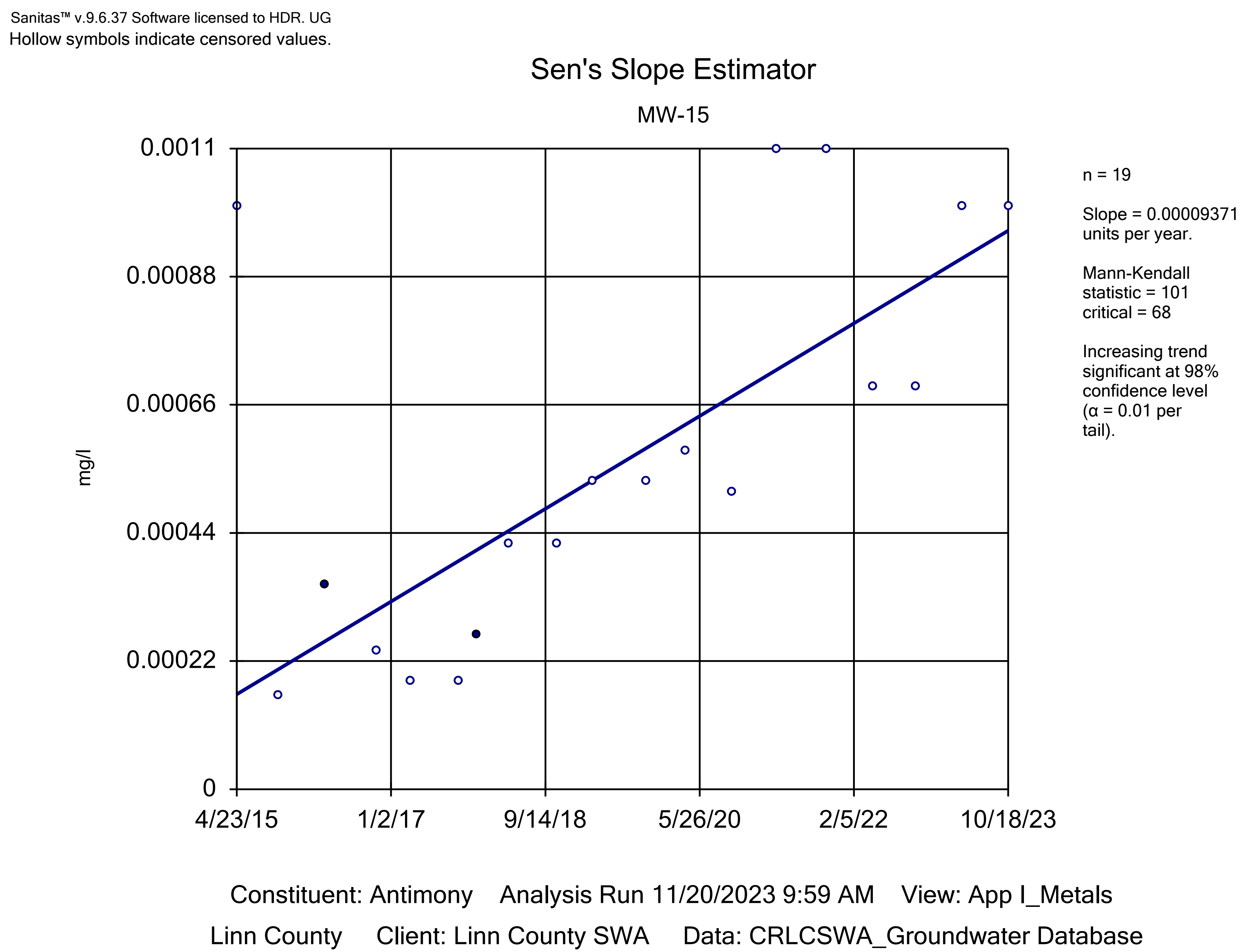
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/20/2023, 9:33 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Lower Q.	Upper Q.	Min.	Max.	%NDs
Silver (mg/l)	MW-301	18	0.0004055	0.0002772	0.0000...	0.00037	0.000153	0.00049	0.00014	0.00116	94.44
Silver (mg/l)	MW-302R	19	0.0003568	0.000207	0.0000...	0.00037	0.000153	0.00049	0.00014	0.001	100
Silver (mg/l)	MW-303	20	0.0005154	0.000715	0.0001599	0.00037	0.0002265	0.000455	0.000042	0.00343	100
Silver (mg/l)	MW-304R	19	0.0003496	0.0002159	0.0000...	0.00037	0.000153	0.00049	0.000042	0.001	100
Silver (mg/l)	MW-305	19	0.0003587	0.000205	0.0000...	0.00037	0.000153	0.00049	0.00014	0.001	94.74
Silver (mg/l)	MW-501	8	0.0004663	0.0000...	0.0000...	0.00049	0.00042	0.000495	0.00042	0.0005	100
Silver (mg/l)	MW-9AR (bg)	14	0.0003796	0.000106	0.0000...	0.00037	0.0003	0.00049	0.000115	0.0005	100
Sulfide (mg/l)	MW-15	2	0.231	0	0	0.231	0.231	0.231	0.231	0.231	100
Sulfide (mg/l)	MW-18	2	0.2625	0.04455	0.0315	0.2625	0.2625	0.2625	0.231	0.294	50
Sulfide (mg/l)	MW-19	2	0.2055	0.03606	0.0255	0.2055	0.2055	0.2055	0.18	0.231	100
Sulfide (mg/l)	MW-20	14	3.725	4.47	1.195	2.255	0.7755	4.735	0.18	16.4	28.57
Sulfide (mg/l)	MW-201B (bg)	15	0.2757	0.2182	0.05634	0.231	0.18	0.231	0.0462	1	93.33
Sulfide (mg/l)	MW-22	2	0.2055	0.03606	0.0255	0.2055	0.2055	0.2055	0.18	0.231	100
Sulfide (mg/l)	MW-24	2	0.231	0	0	0.231	0.231	0.231	0.231	0.231	100
Sulfide (mg/l)	MW-26A	2	0.231	0	0	0.231	0.231	0.231	0.231	0.231	100
Sulfide (mg/l)	MW-300	11	2.296	3.933	1.186	0.231	0.231	3.51	0.18	10	90.91
Sulfide (mg/l)	MW-301	2	0.1131	0.09461	0.0669	0.1131	0.1131	0.1131	0.0462	0.18	100
Sulfide (mg/l)	MW-302R	2	0.231	0	0	0.231	0.231	0.231	0.231	0.231	100
Sulfide (mg/l)	MW-303	1	0.231	0	0	0.231	0.231	0.231	0.231	0.231	100
Sulfide (mg/l)	MW-304R	1	0.231	0	0	0.231	0.231	0.231	0.231	0.231	100
Sulfide (mg/l)	MW-305	2	0.231	0	0	0.231	0.231	0.231	0.231	0.231	100
Sulfide (mg/l)	MW-9AR (bg)	12	1.859	3.803	1.098	0.231	0.231	0.231	0.231	10	100
Thallium (mg/l)	MW-15	19	0.0002756	0.0004292	0.0000...	0.00026	0.0000644	0.00026	0.000...	0.002	100
Thallium (mg/l)	MW-18	18	0.0008997	0.002996	0.0007062	0.00026	0.0000885	0.000265	0.000051	0.0129	61.11
Thallium (mg/l)	MW-19	18	0.0002322	0.000215	0.0000...	0.00026	0.0000677	0.00026	0.000...	0.001	94.44
Thallium (mg/l)	MW-20	18	0.0002318	0.0002153	0.0000...	0.00026	0.0000644	0.00026	0.000...	0.001	100
Thallium (mg/l)	MW-201B (bg)	17	0.0002212	0.0001967	0.0000...	0.00026	0.0000732	0.00026	0.000...	0.000899	76.47
Thallium (mg/l)	MW-22	18	0.0002314	0.0002157	0.0000...	0.00026	0.0000644	0.00026	0.000...	0.001	100
Thallium (mg/l)	MW-24	19	0.0002243	0.0002116	0.0000...	0.00026	0.0000644	0.00026	0.000...	0.001	89.47
Thallium (mg/l)	MW-26A	15	0.0002484	0.0002265	0.0000...	0.00026	0.00017	0.00026	0.000...	0.001	100
Thallium (mg/l)	MW-300	18	0.0003072	0.0003075	0.0000...	0.00026	0.0000644	0.000282	0.000027	0.00102	66.67
Thallium (mg/l)	MW-301	18	0.0009336	0.002994	0.0007057	0.00026	0.0000644	0.000265	0.000...	0.0129	94.44
Thallium (mg/l)	MW-302R	19	0.0002226	0.0002131	0.0000...	0.00026	0.0000644	0.00026	0.000...	0.001	100
Thallium (mg/l)	MW-303	20	0.0003126	0.0004091	0.0000...	0.00026	0.0001172	0.00026	0.000...	0.00182	100
Thallium (mg/l)	MW-304R	19	0.0002805	0.0002599	0.0000...	0.00026	0.0000644	0.00027	0.000...	0.001	89.47
Thallium (mg/l)	MW-305	19	0.000277	0.0003029	0.0000...	0.00026	0.0000644	0.00027	0.000...	0.00115	89.47
Thallium (mg/l)	MW-501	8	0.00026	0	0	0.00026	0.00026	0.00026	0.00026	0.00026	100
Thallium (mg/l)	MW-9AR (bg)	13	0.0002408	0.0000...	0.0000...	0.00026	0.000215	0.00026	0.00017	0.00027	100
Tin (mg/l)	MW-15	2	0.00231	0.0009758	0.00069	0.00231	0.00231	0.00231	0.00162	0.003	100
Tin (mg/l)	MW-18	2	0.00231	0.0009758	0.00069	0.00231	0.00231	0.00231	0.00162	0.003	100
Tin (mg/l)	MW-19	2	0.001916	0.001533	0.001084	0.001916	0.001916	0.001916	0.000832	0.003	100
Tin (mg/l)	MW-20	2	0.001916	0.001533	0.001084	0.001916	0.001916	0.001916	0.000832	0.003	100
Tin (mg/l)	MW-201B (bg)	3	0.001417	0.0005148	0.0002972	0.00162	0.000832	0.0018	0.000832	0.0018	100
Tin (mg/l)	MW-22	2	0.001916	0.001533	0.001084	0.001916	0.001916	0.001916	0.000832	0.003	100
Tin (mg/l)	MW-24	2	0.00231	0.0009758	0.00069	0.00231	0.00231	0.00231	0.00162	0.003	100
Tin (mg/l)	MW-26A	2	0.00073	0	0	0.00073	0.00073	0.00073	0.00073	0.00073	100
Tin (mg/l)	MW-300	2	0.001916	0.001533	0.001084	0.001916	0.001916	0.001916	0.000832	0.003	100
Tin (mg/l)	MW-301	11	0.08591	0.2492	0.07514	0.00162	0.000832	0.003	0.00073	0.832	100
Tin (mg/l)	MW-302R	2	0.00231	0.0009758	0.00069	0.00231	0.00231	0.00231	0.00162	0.003	100
Tin (mg/l)	MW-303	1	0.003	0	0	0.003	0.003	0.003	0.003	0.003	100

Box & Whiskers Plot

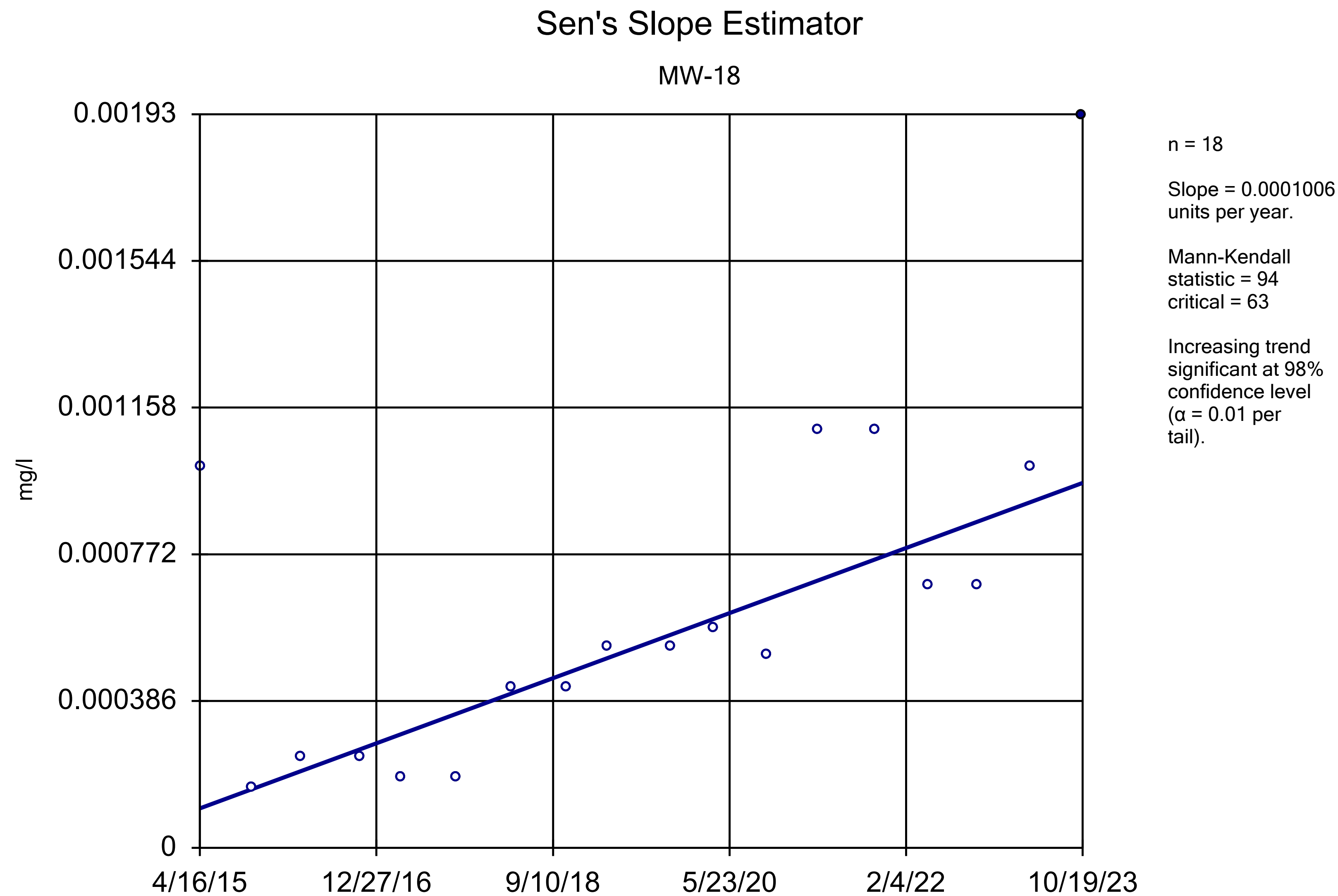
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/20/2023, 9:33 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Lower Q.	Upper Q.	Min.	Max.	%NDs
Tin (mg/l)	MW-304R	1	0.0013	0	0	0.0013	0.0013	0.0013	0.0013	0.0013	100
Tin (mg/l)	MW-305	2	0.00231	0.0009758	0.00069	0.00231	0.00231	0.00231	0.00162	0.003	100
Tin (mg/l)	MW-9AR (bg)	3	0.0009203	0.0003288	0.0001898	0.000731	0.00073	0.0013	0.00073	0.0013	66.67
Vanadium (mg/l)	MW-15	19	0.001761	0.001086	0.0002492	0.00161	0.00104	0.00244	0.000313	0.005	15.79
Vanadium (mg/l)	MW-18	18	0.001056	0.001017	0.0002398	0.00084	0.0006	0.0011	0.000255	0.005	88.89
Vanadium (mg/l)	MW-19	18	0.001045	0.001023	0.0002412	0.00084	0.0005395	0.0011	0.000284	0.005	77.78
Vanadium (mg/l)	MW-20	18	0.003668	0.0008682	0.0002046	0.003555	0.002905	0.00433	0.00234	0.0052	0
Vanadium (mg/l)	MW-201B (bg)	18	0.001724	0.001911	0.0004505	0.000...	0.00082	0.002245	0.000255	0.00796	61.11
Vanadium (mg/l)	MW-22	17	0.0008431	0.0002566	0.0000...	0.00084	0.0007855	0.0011	0.000255	0.0011	82.35
Vanadium (mg/l)	MW-24	17	0.0009299	0.0001883	0.0000...	0.000971	0.00083	0.0011	0.000374	0.0011	64.71
Vanadium (mg/l)	MW-26A	13	0.0009044	0.0001732	0.0000...	0.000898	0.00082	0.0011	0.000594	0.0011	61.54
Vanadium (mg/l)	MW-300	18	0.001042	0.001027	0.0002422	0.00084	0.000604	0.0011	0.000255	0.005	88.89
Vanadium (mg/l)	MW-301	18	0.001098	0.001029	0.0002426	0.000845	0.00067	0.0011	0.000255	0.005	94.44
Vanadium (mg/l)	MW-302R	19	0.001212	0.001012	0.0002321	0.0011	0.00082	0.0011	0.000255	0.005	73.68
Vanadium (mg/l)	MW-303	17	0.0008744	0.0002286	0.0000...	0.00084	0.000753	0.0011	0.000449	0.0011	94.12
Vanadium (mg/l)	MW-304R	15	0.0008901	0.0002082	0.0000...	0.00084	0.00082	0.0011	0.000449	0.0011	86.67
Vanadium (mg/l)	MW-305	19	0.001112	0.0008345	0.0001915	0.00085	0.00082	0.0011	0.000255	0.00425	78.95
Vanadium (mg/l)	MW-501	7	0.001136	0.0000...	0.0000...	0.0011	0.0011	0.0011	0.0011	0.00135	71.43
Vanadium (mg/l)	MW-9AR (bg)	14	0.0009729	0.0004098	0.0001095	0.000975	0.00067	0.0011	0.00052	0.00215	100
Zinc (mg/l)	MW-15	15	0.01047	0.0008514	0.0002198	0.01	0.01	0.0115	0.01	0.0126	93.33
Zinc (mg/l)	MW-18	17	0.01081	0.003077	0.0007463	0.01	0.01	0.01115	0.0064	0.0197	70.59
Zinc (mg/l)	MW-19	16	0.009704	0.001535	0.0003838	0.01	0.01	0.01	0.00521	0.0115	93.75
Zinc (mg/l)	MW-20	16	0.009026	0.002	0.0005001	0.01	0.006705	0.01	0.00521	0.0115	93.75
Zinc (mg/l)	MW-201B (bg)	14	0.01062	0.001807	0.0004828	0.01	0.01	0.0115	0.00695	0.0153	71.43
Zinc (mg/l)	MW-22	16	0.01011	0.002477	0.0006193	0.01	0.01	0.01	0.00521	0.0172	93.75
Zinc (mg/l)	MW-24	16	0.009867	0.001381	0.0003452	0.01	0.01	0.01	0.0064	0.0115	93.75
Zinc (mg/l)	MW-26A	14	0.009166	0.001988	0.0005312	0.01	0.0082	0.01	0.00521	0.0115	100
Zinc (mg/l)	MW-300	15	0.009449	0.00175	0.0004517	0.01	0.01	0.01	0.00562	0.0115	86.67
Zinc (mg/l)	MW-301	17	0.009189	0.002018	0.0004894	0.01	0.0082	0.01	0.00521	0.0115	100
Zinc (mg/l)	MW-302R	14	0.009792	0.00154	0.0004116	0.01	0.009795	0.01075	0.0064	0.0115	85.71
Zinc (mg/l)	MW-303	19	0.009263	0.001767	0.0004053	0.01	0.00804	0.01	0.00521	0.0115	94.74
Zinc (mg/l)	MW-304R	16	0.009504	0.001641	0.0004103	0.01	0.01	0.01	0.00627	0.0115	93.75
Zinc (mg/l)	MW-305	15	0.00982	0.001516	0.0003915	0.01	0.01	0.01	0.0064	0.0115	100
Zinc (mg/l)	MW-501	8	0.009785	0.0004795	0.0001695	0.01	0.00982	0.01	0.00864	0.01	75
Zinc (mg/l)	MW-9AR (bg)	14	0.0102	0.003105	0.0008299	0.01	0.01	0.01	0.0064	0.02	92.86



Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.
Sen's Slope Estimator
MW-15
0.0011
0.00088
0.00066
0.00044
0.00022
0
mg/l
4/23/15
1/2/17
9/14/18
5/26/20
2/5/22
10/18/23
n = 19
Slope = 0.00009371 units per year.
Mann-Kendall statistic = 101 critical = 68
Increasing trend significant at 98% confidence level (α = 0.01 per tail).
Constituent: Antimony Analysis Run 11/20/2023 9:59 AM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



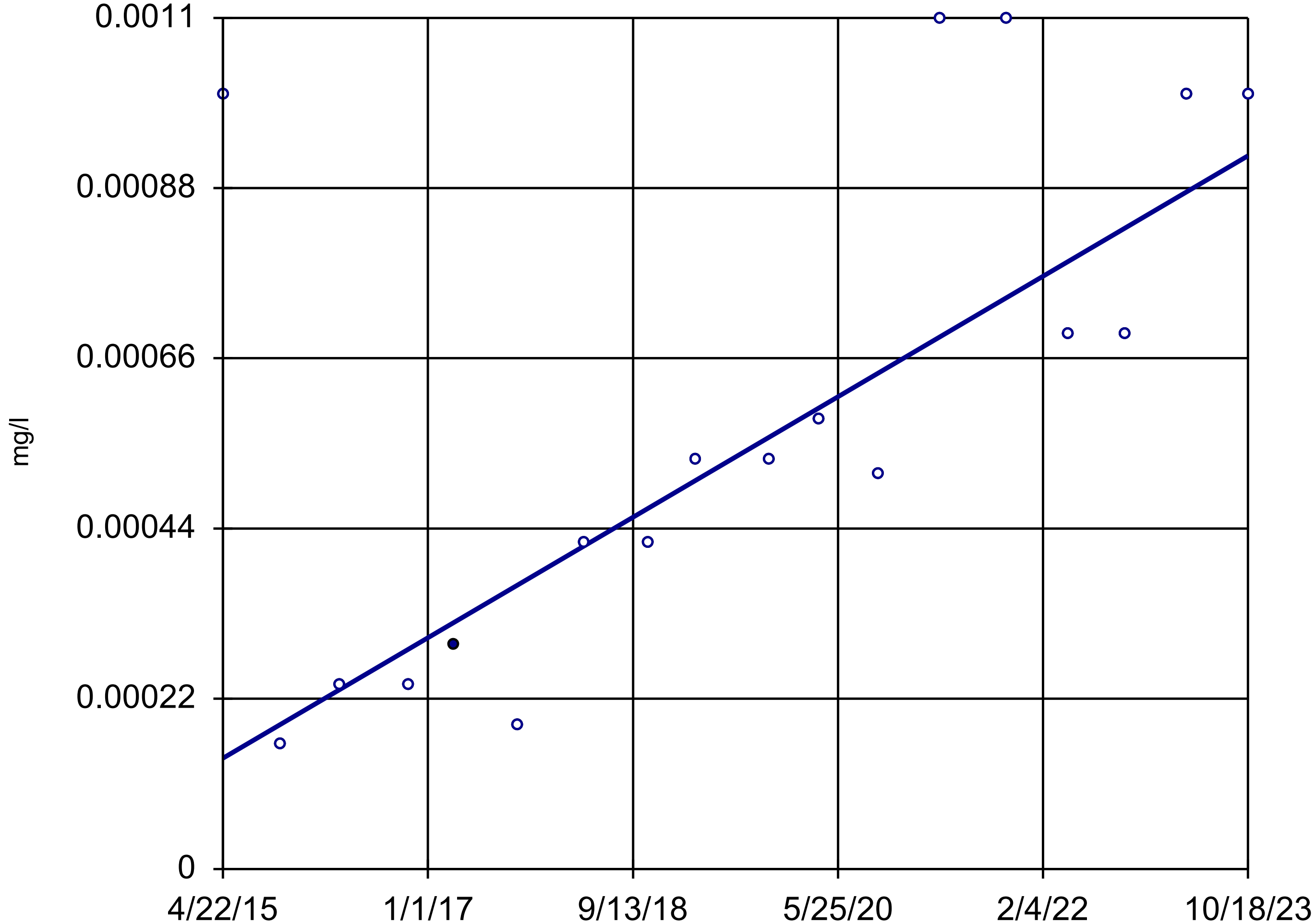
Constituent: Antimony   Analysis Run 11/20/2023 9:59 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-19



n = 18

Slope = 0.00009163 units per year.

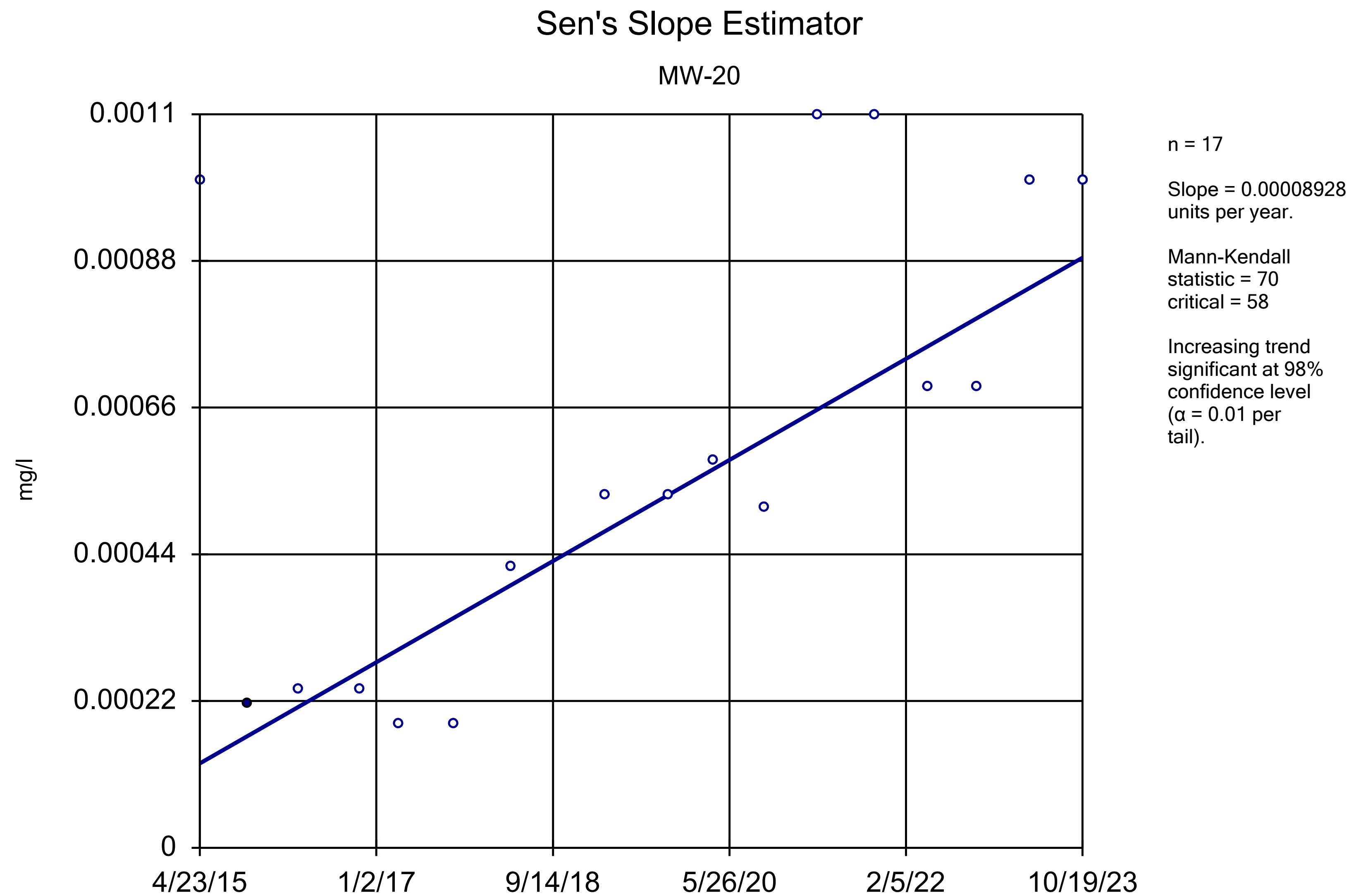
Mann-Kendall statistic = 91
critical = 63

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Antimony   Analysis Run 11/20/2023 9:59 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

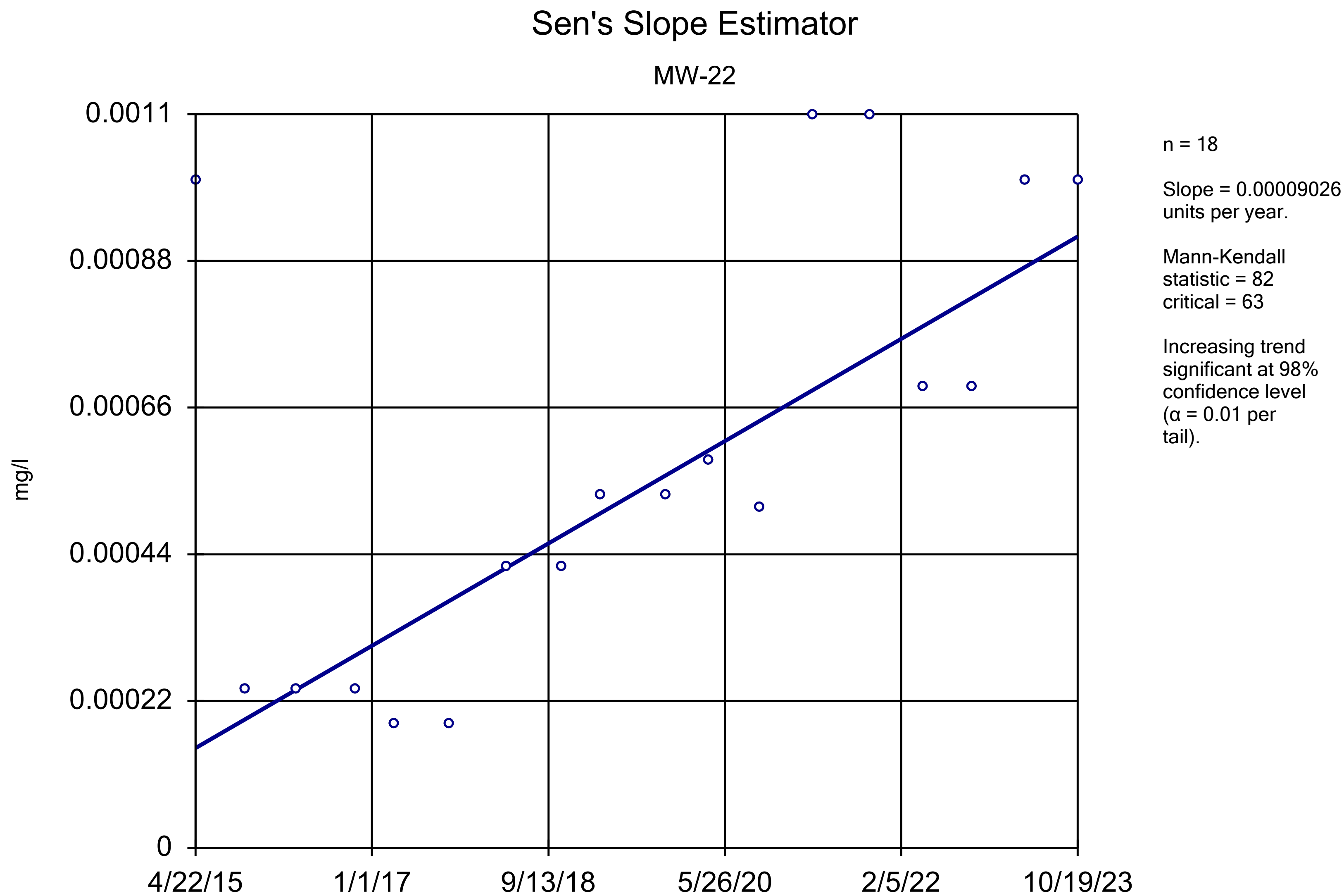
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Antimony Analysis Run 11/20/2023 9:59 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

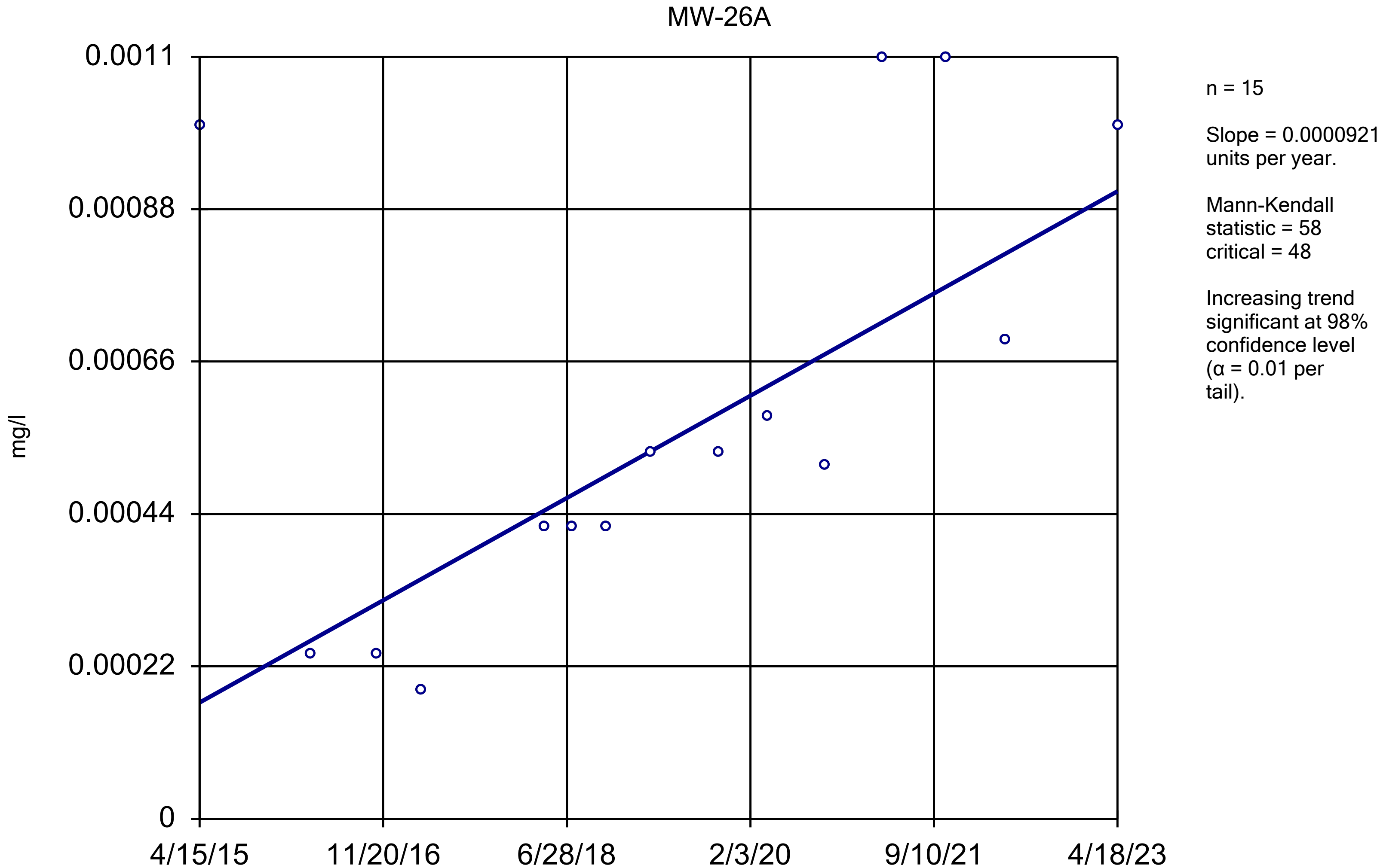


Constituent: Antimony Analysis Run 11/20/2023 9:59 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

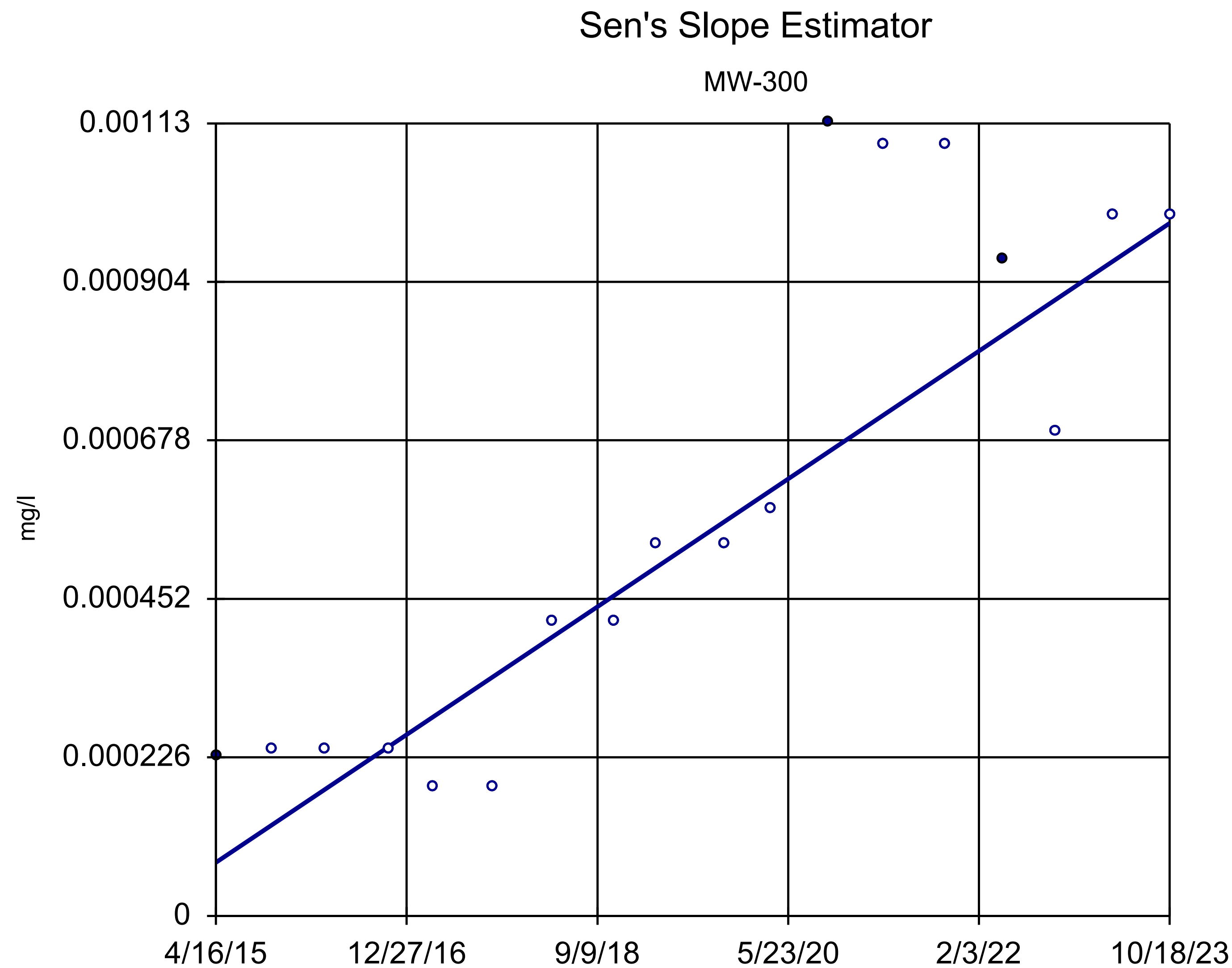
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator



Constituent: Antimony   Analysis Run 11/20/2023 9:59 AM   View: App I_Metals
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



n = 18

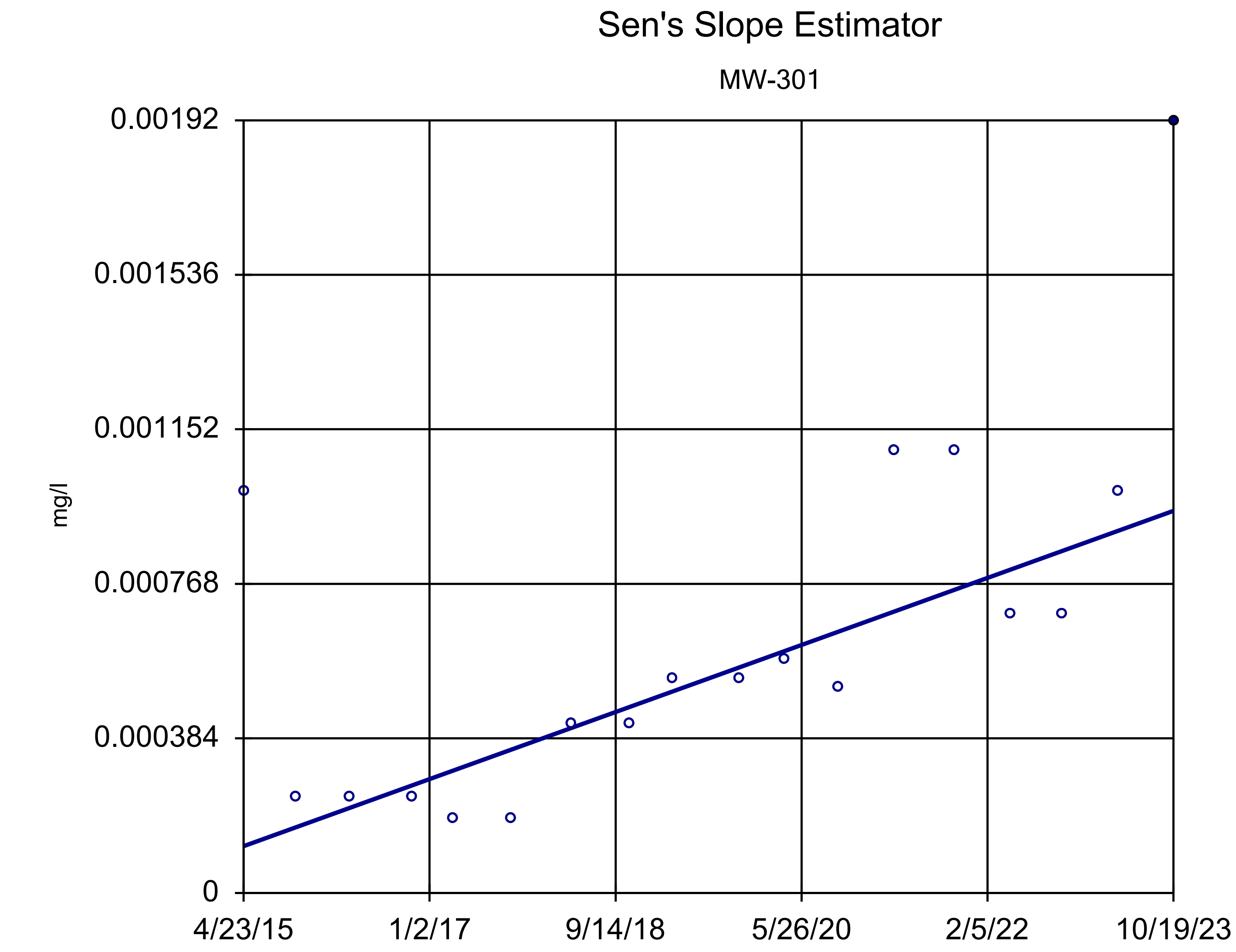
Slope = 0.000107
units per year.

Mann-Kendall
statistic = 99
critical = 63

Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Antimony Analysis Run 11/20/2023 9:59 AM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



n = 18

Slope = 0.00009811 units per year.

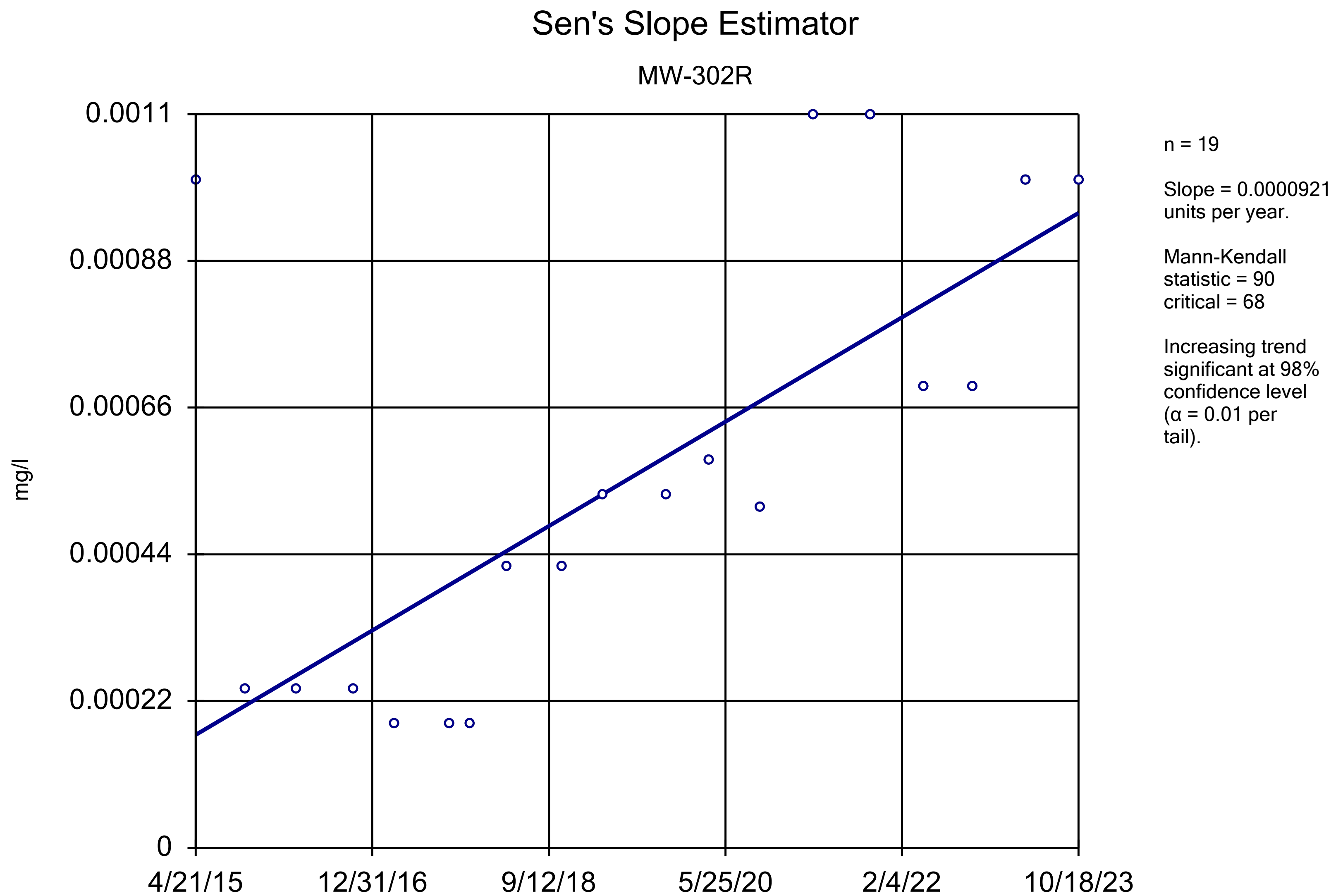
Mann-Kendall statistic = 88 critical = 63

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Antimony Analysis Run 11/20/2023 9:59 AM View: App I_Metals

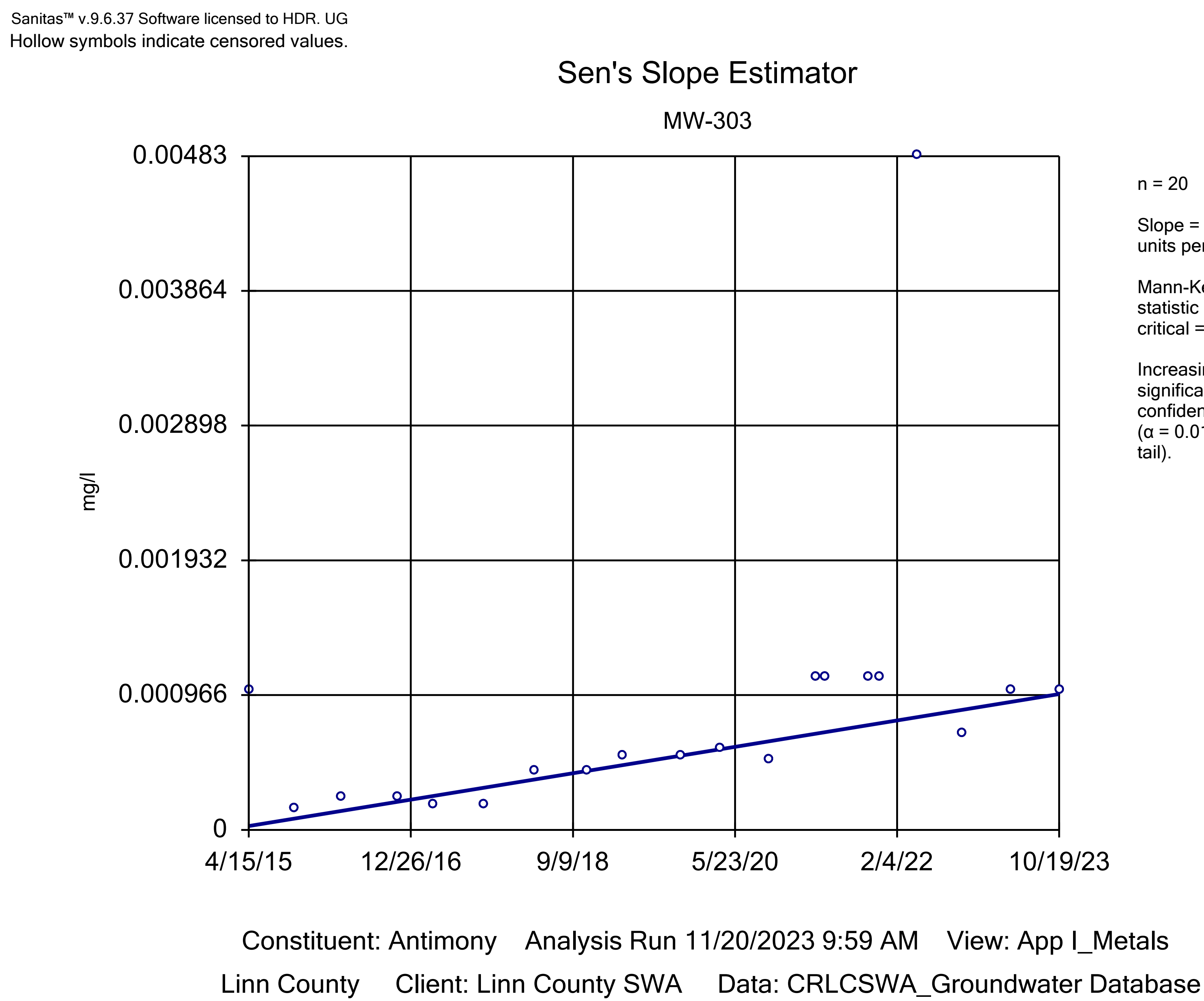
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



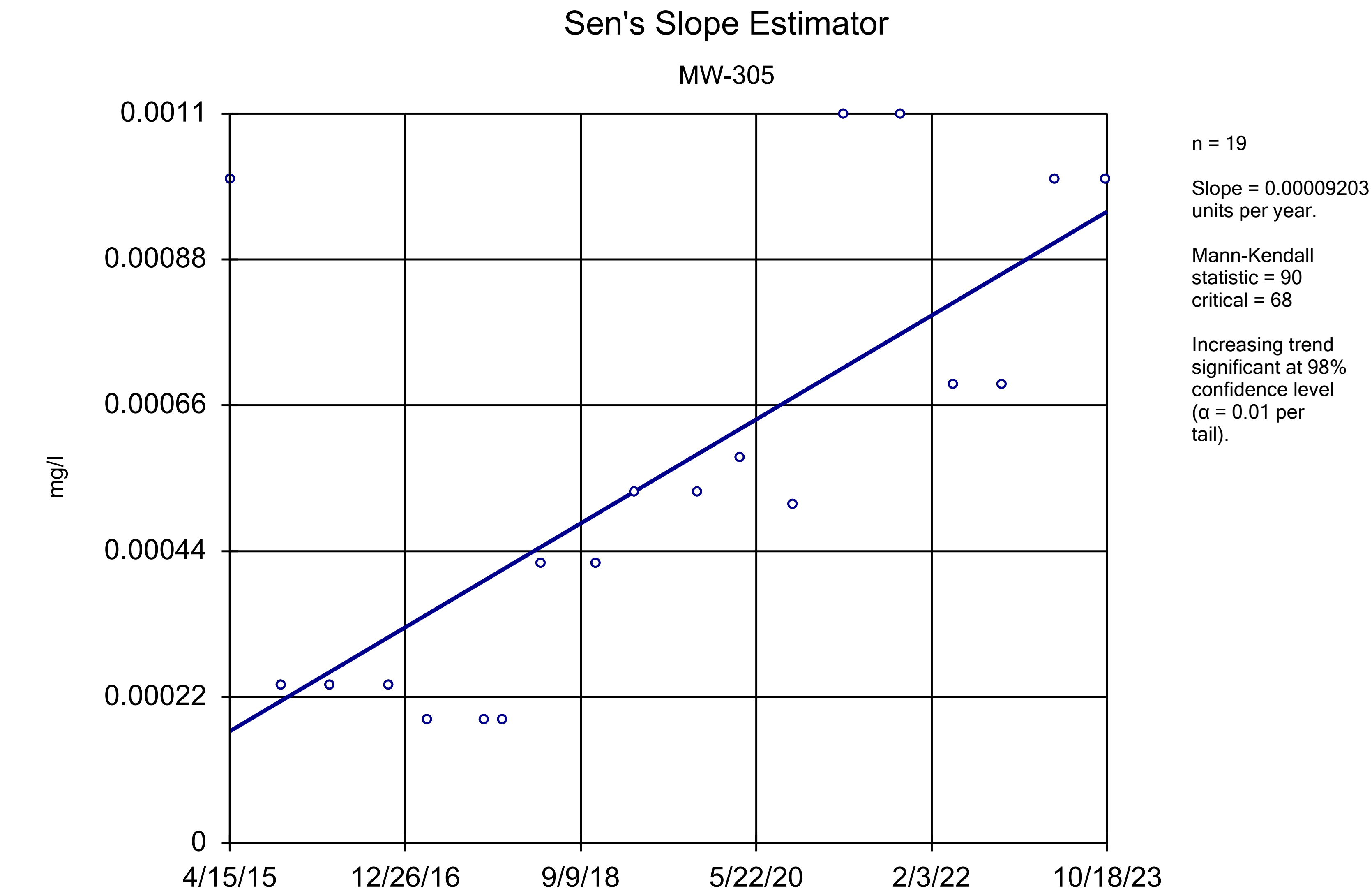
Constituent: Antimony   Analysis Run 11/20/2023 9:59 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database



Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.
Sen's Slope Estimator
MW-303
0.00483
0.003864
0.002898
0.001932
0.000966
0
mg/l
4/15/15
12/26/16
9/9/18
5/23/20
2/4/22
10/19/23
n = 20
Slope = 0.0001112
units per year.
Mann-Kendall
statistic = 109
critical = 73
Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).
Constituent: Antimony Analysis Run 11/20/2023 9:59 AM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Antimony Analysis Run 11/20/2023 10:00 AM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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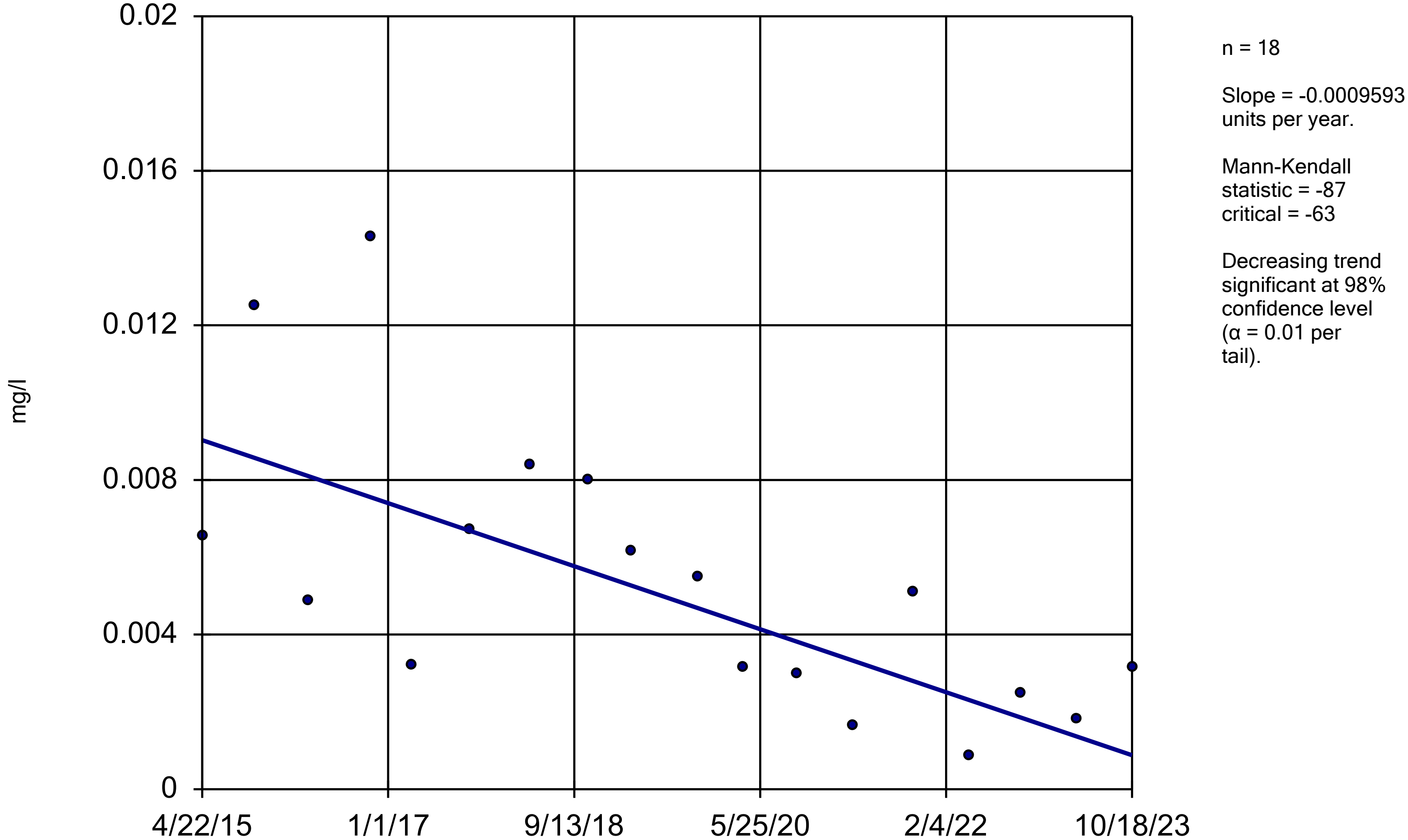
Sen's Slope Estimator

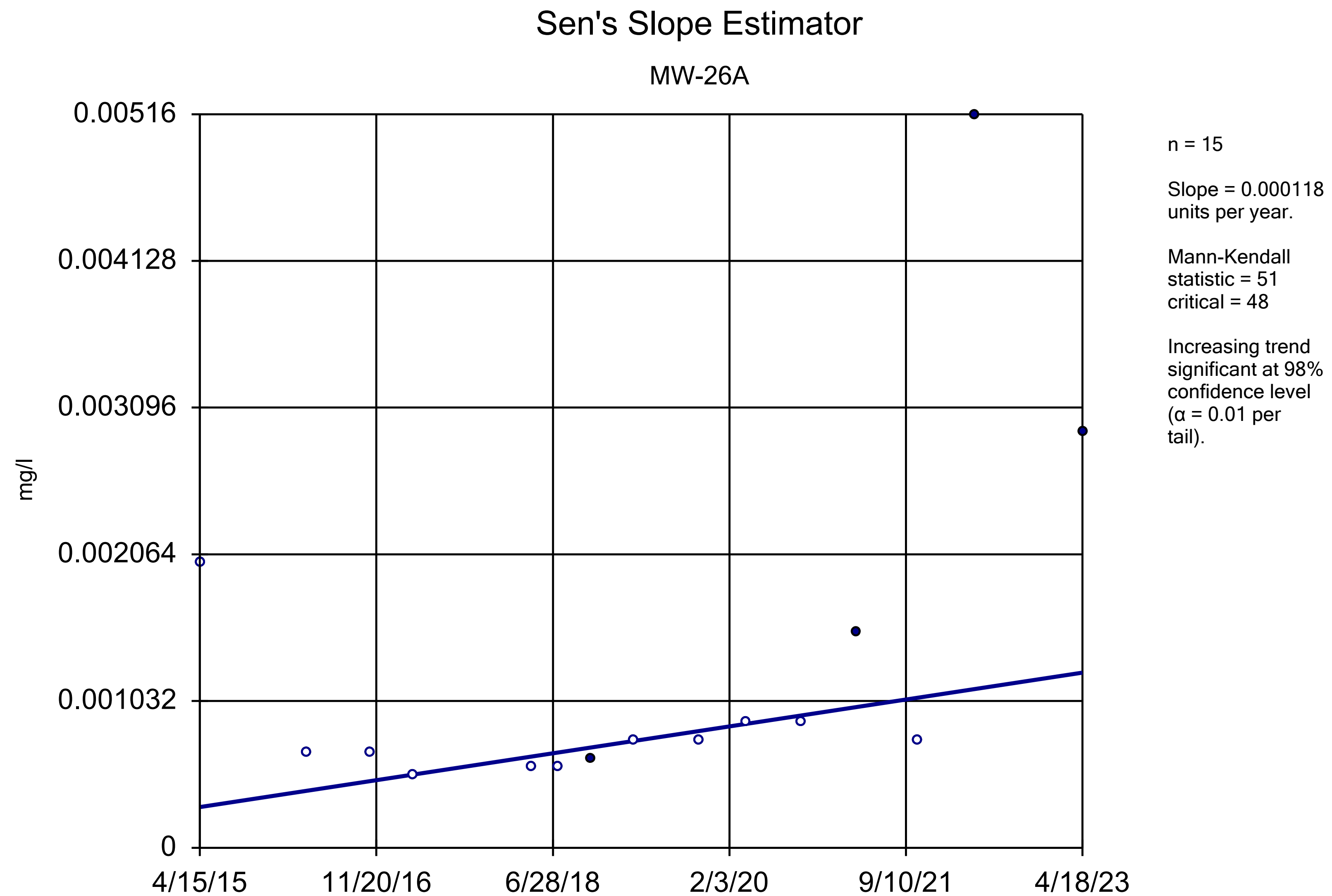
MW-19



Constituent: Arsenic   Analysis Run 11/20/2023 10:00 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

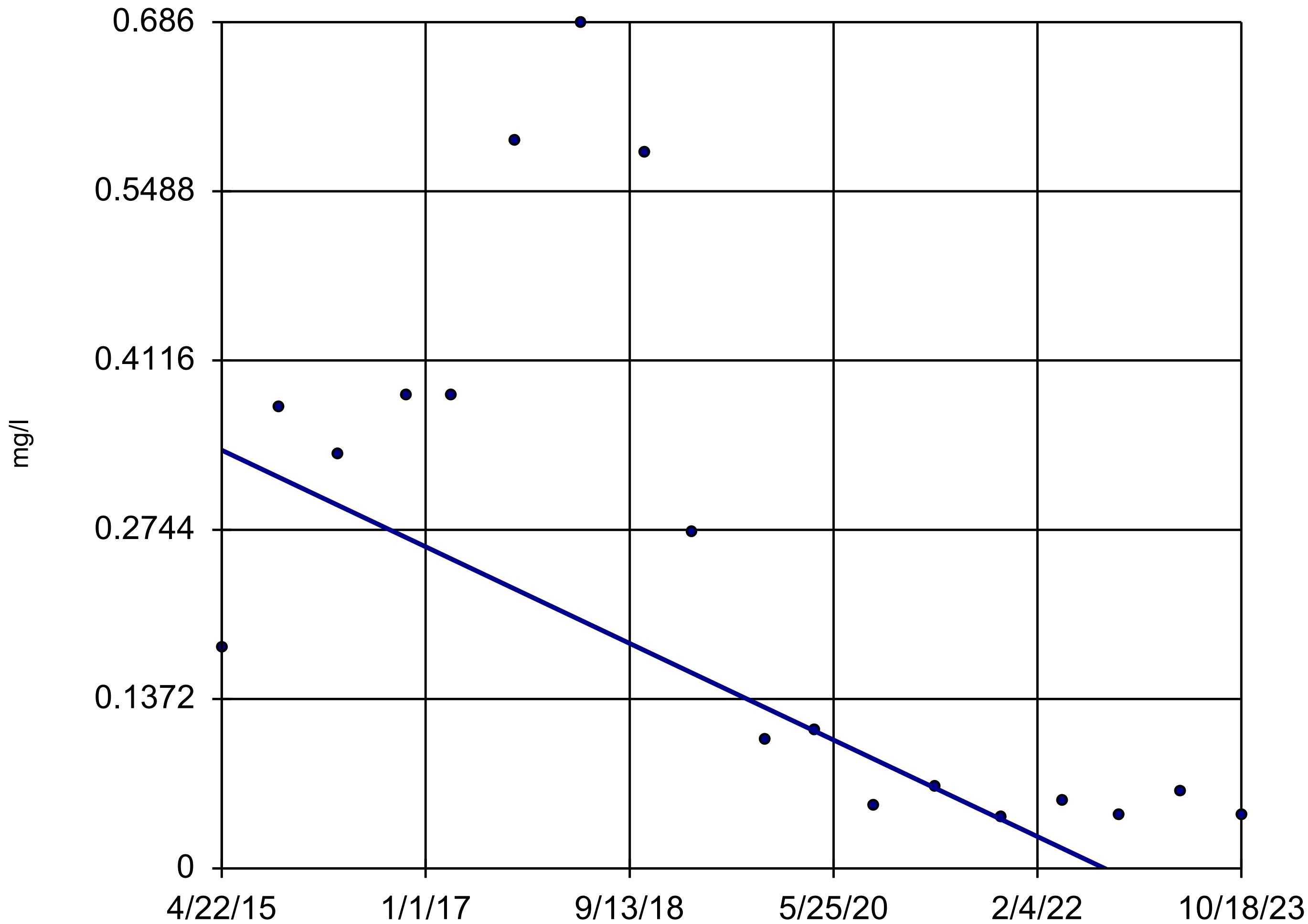
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Arsenic   Analysis Run 11/20/2023 10:00 AM   View: App I_Metals
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sen's Slope Estimator

MW-19



n = 18

Slope = -0.04608
units per year.

Mann-Kendall
statistic = -82
critical = -63

Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Barium   Analysis Run 11/20/2023 10:00 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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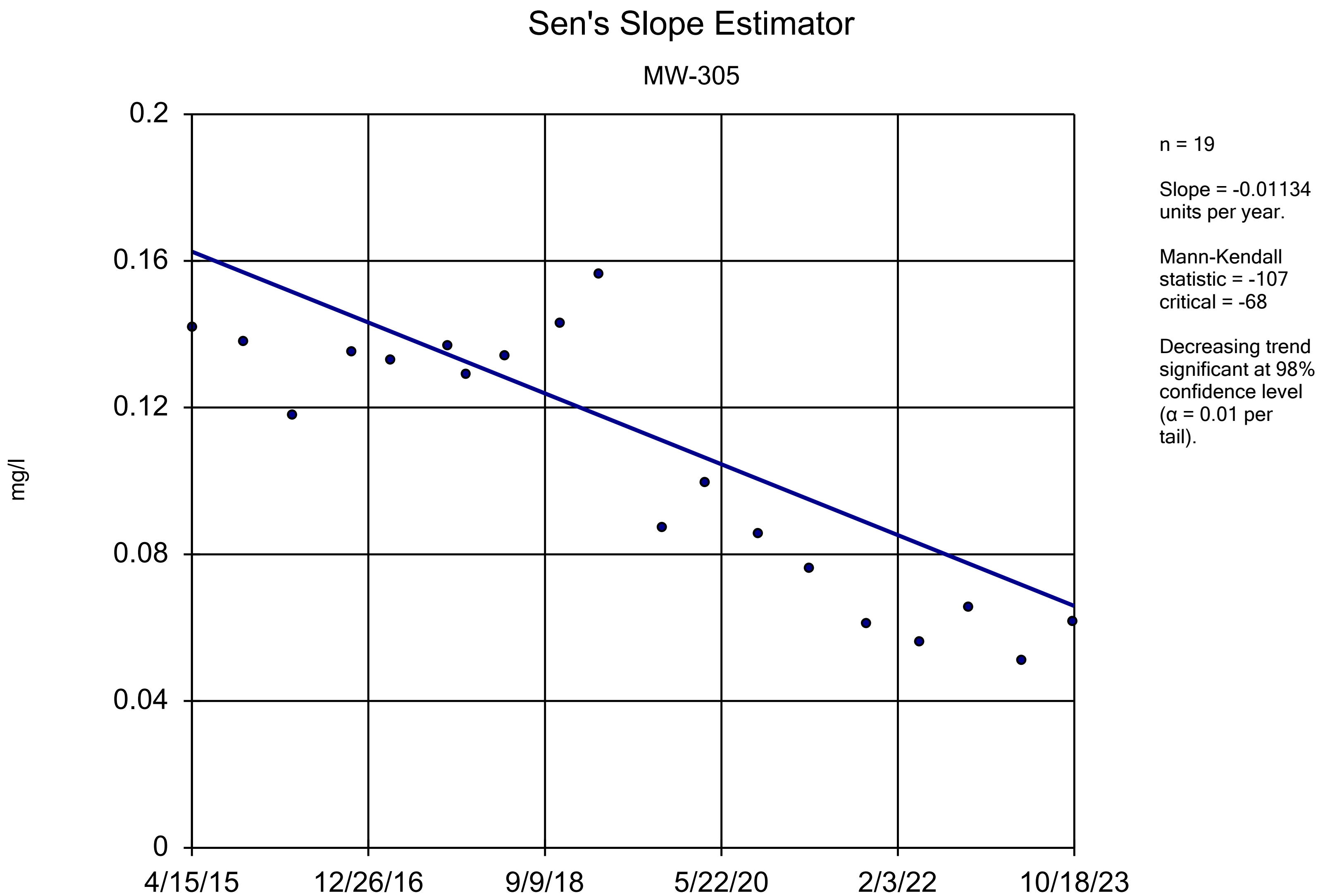

Constituent: Barium Analysis Run 11/20/2023 10:00 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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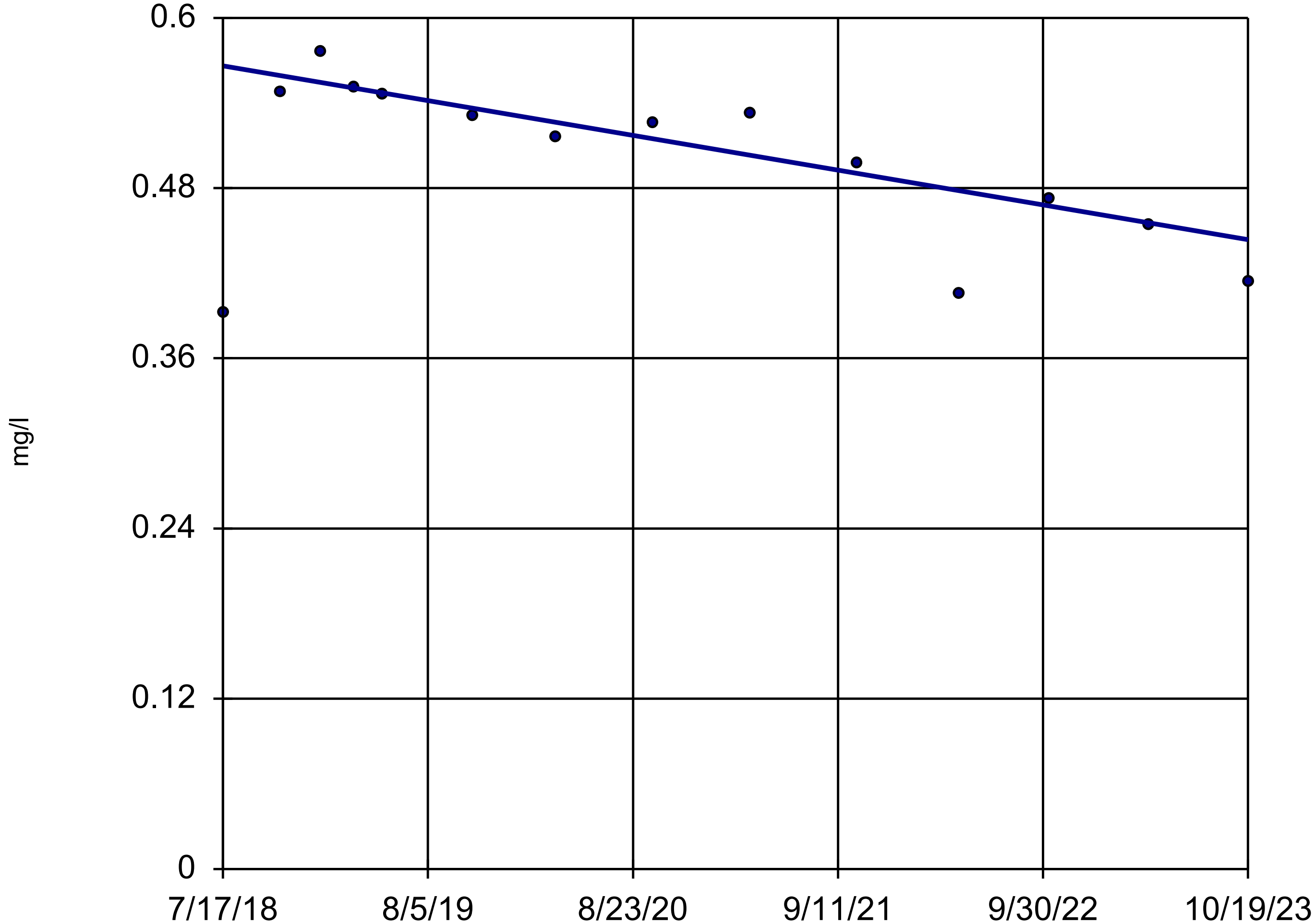
Sen's Slope Estimator

MW-9AR (bg)



n = 14

Slope = -0.0233 units per year.

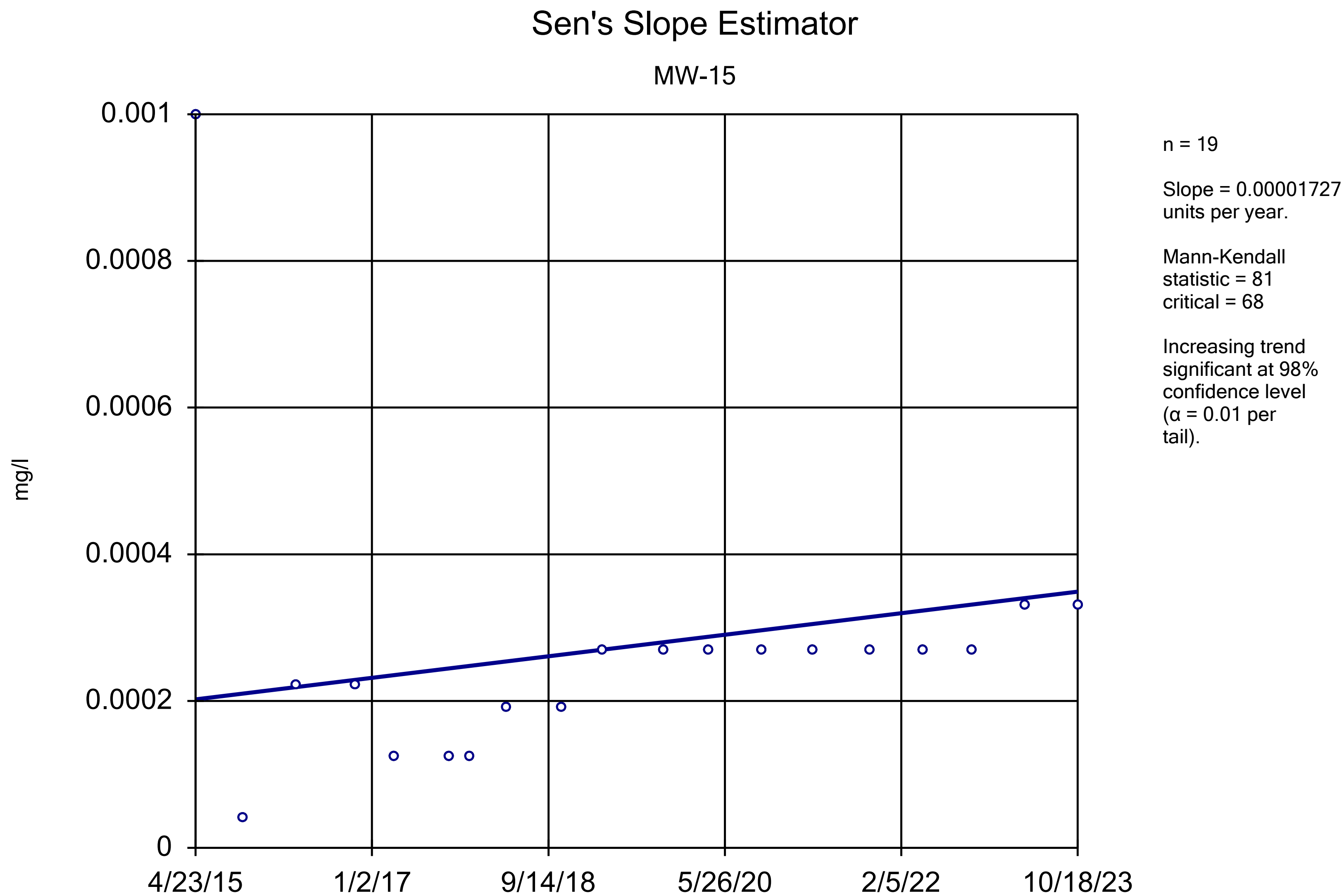
Mann-Kendall statistic = -47 critical = -44

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Barium   Analysis Run 11/20/2023 10:00 AM   View: App I_Metals

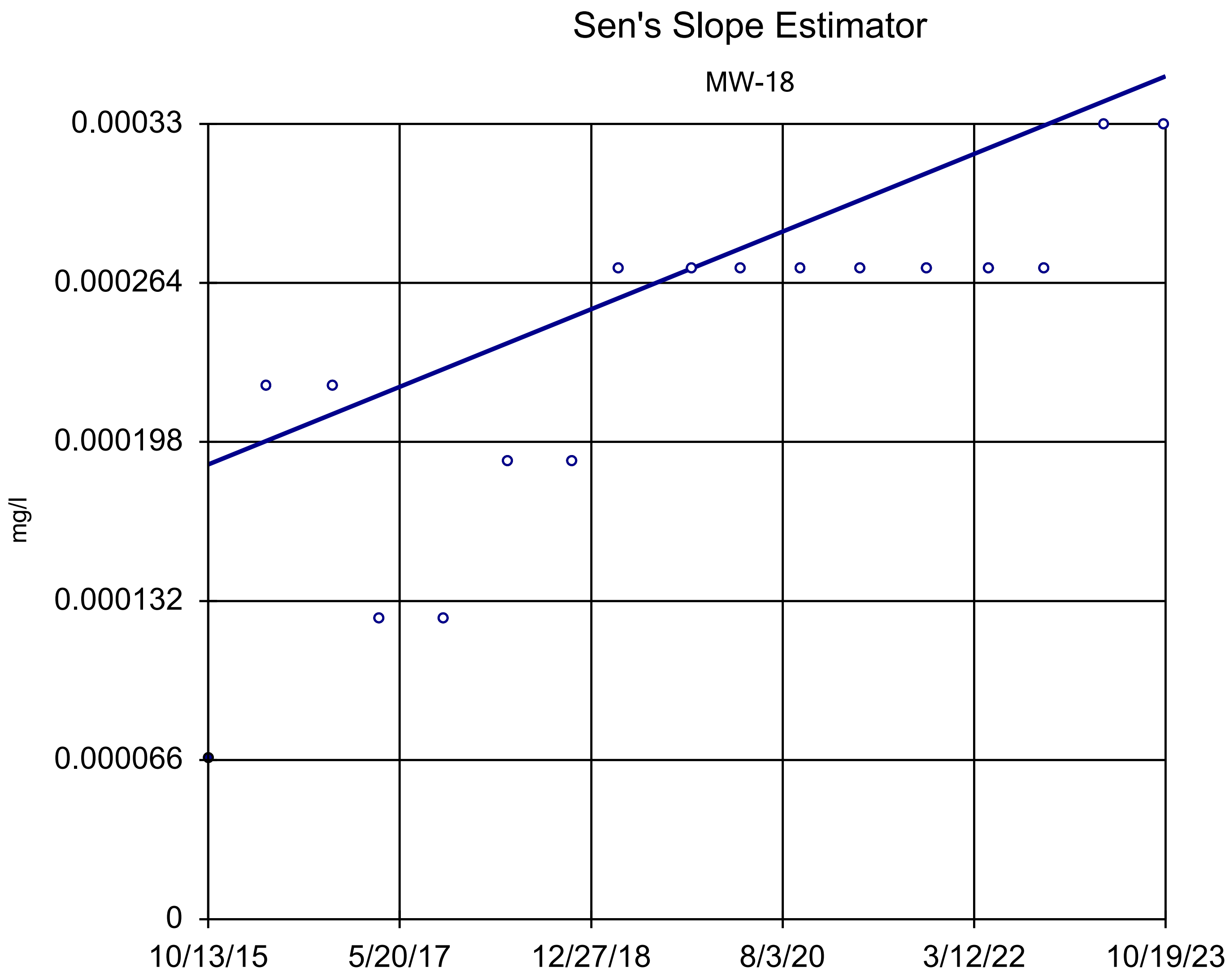
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Beryllium   Analysis Run 11/20/2023 10:00 AM   View: App I_Metals
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



n = 17

Slope = 0.00002008 units per year.

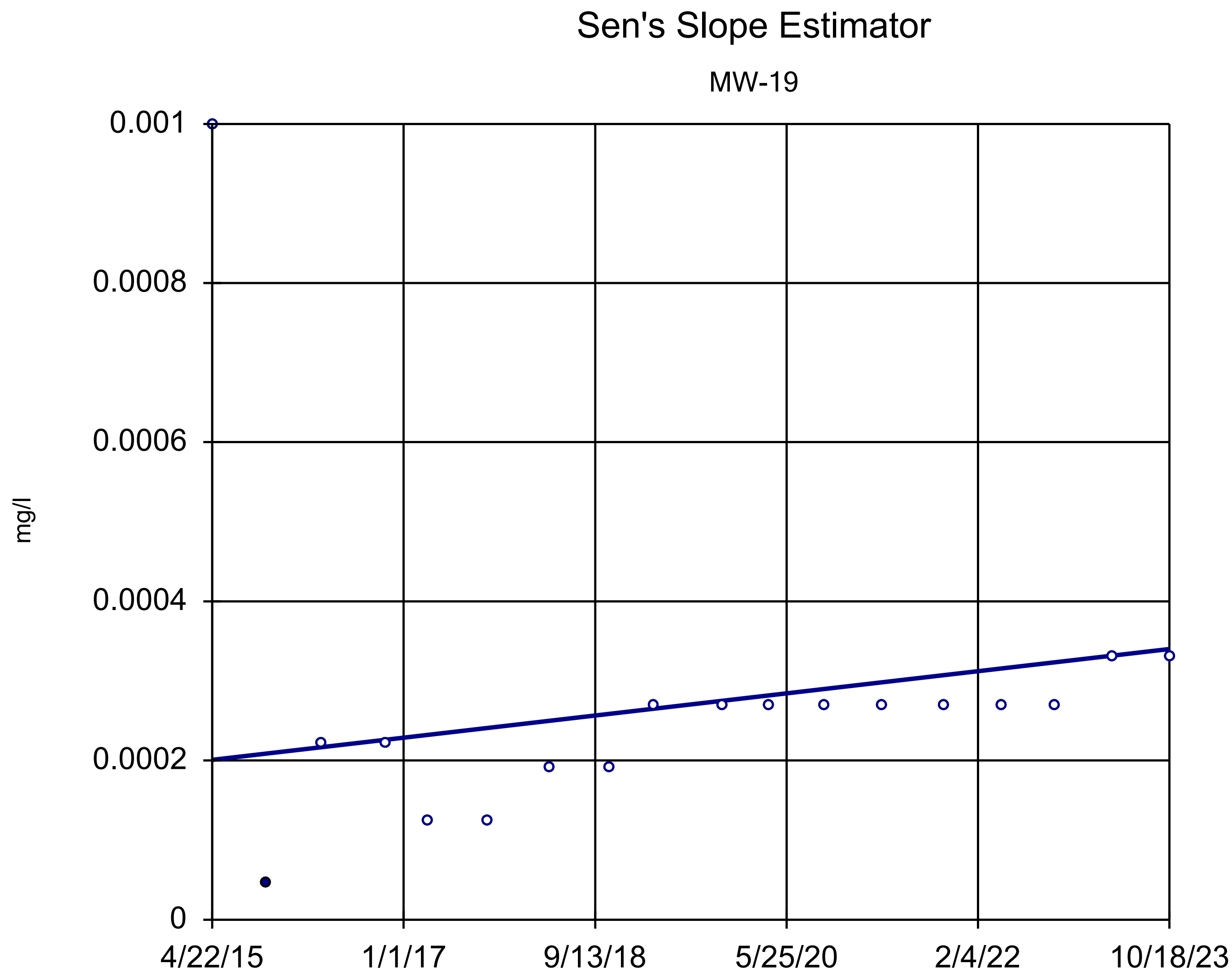
Mann-Kendall statistic = 88 critical = 58

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Beryllium Analysis Run 11/20/2023 10:00 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



n = 18

Slope = 0.00001638
units per year.

Mann-Kendall
statistic = 71
critical = 63

Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Beryllium Analysis Run 11/20/2023 10:00 AM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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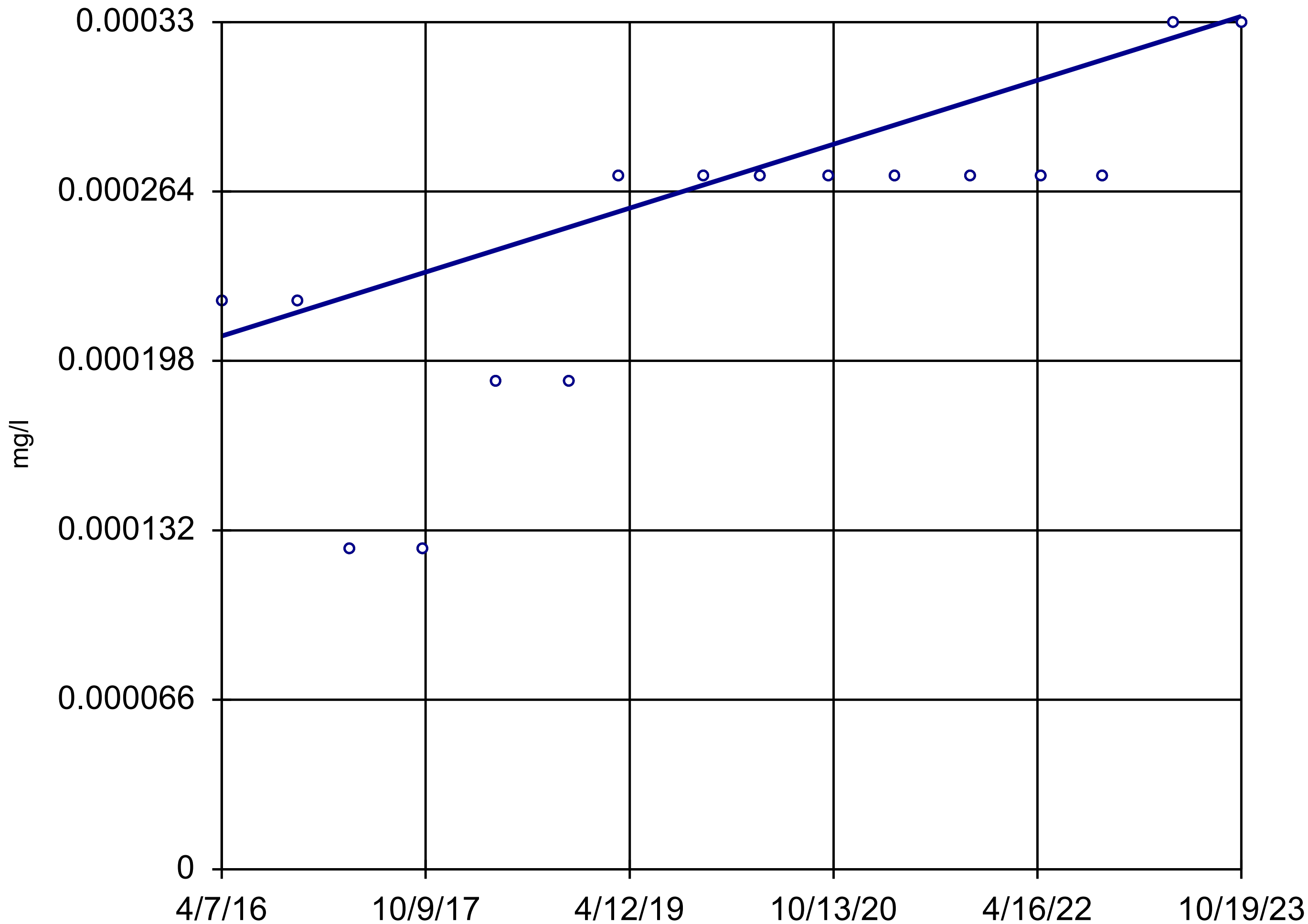
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-20



n = 16

Slope = 0.00001652
units per year.

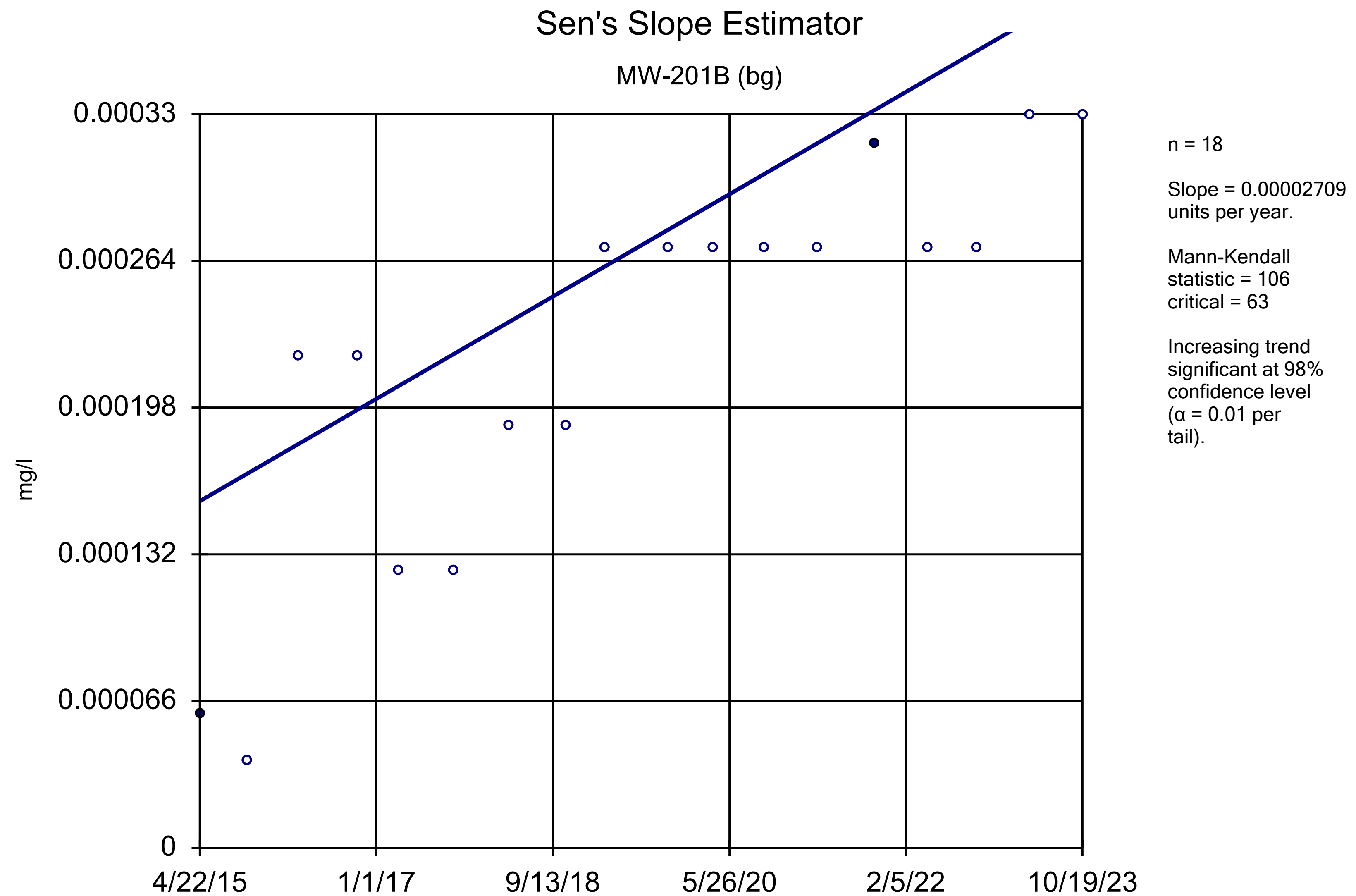
Mann-Kendall
statistic = 72
critical = 53

Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Beryllium   Analysis Run 11/20/2023 10:00 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

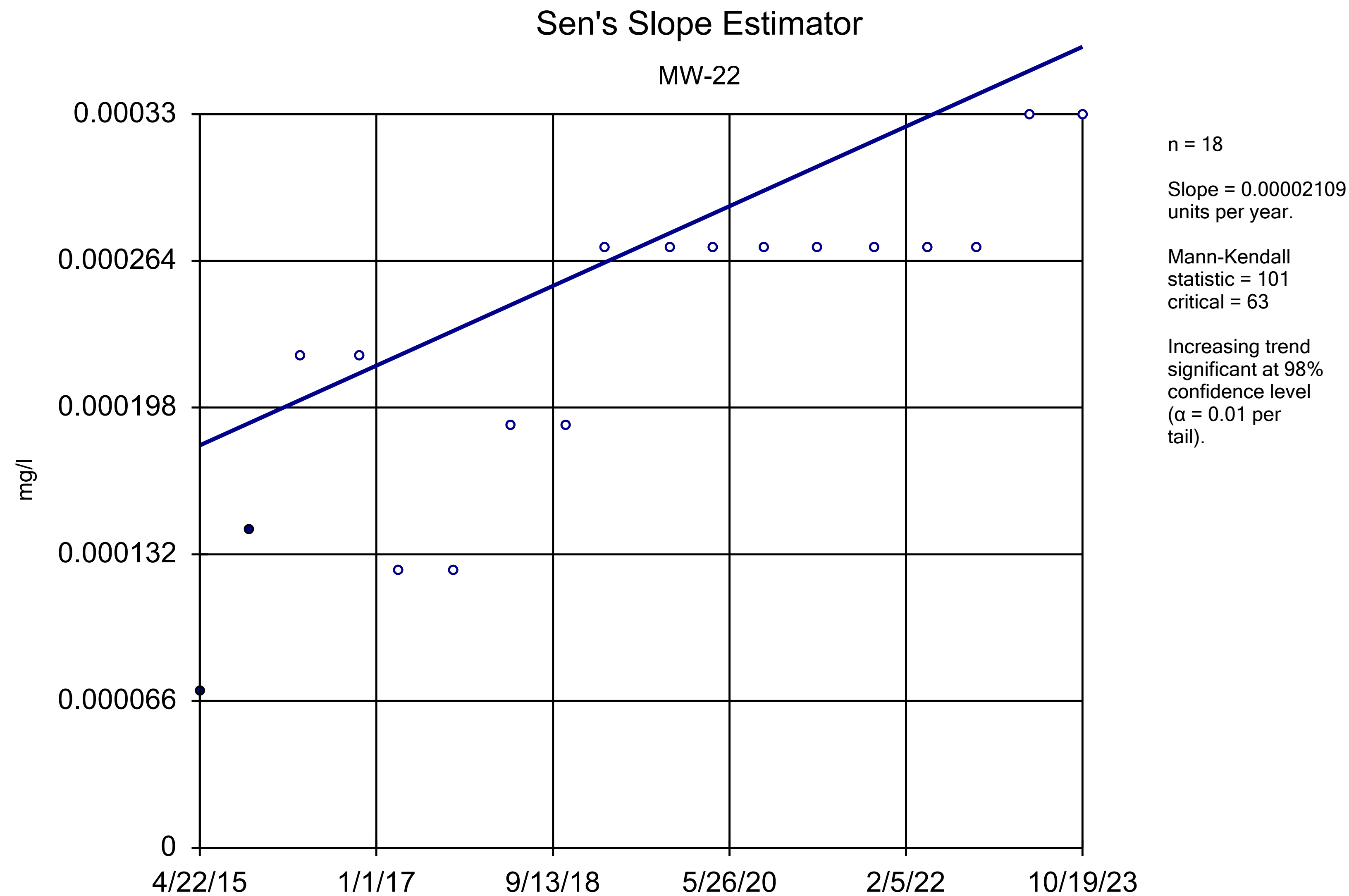
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Beryllium Analysis Run 11/20/2023 10:00 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

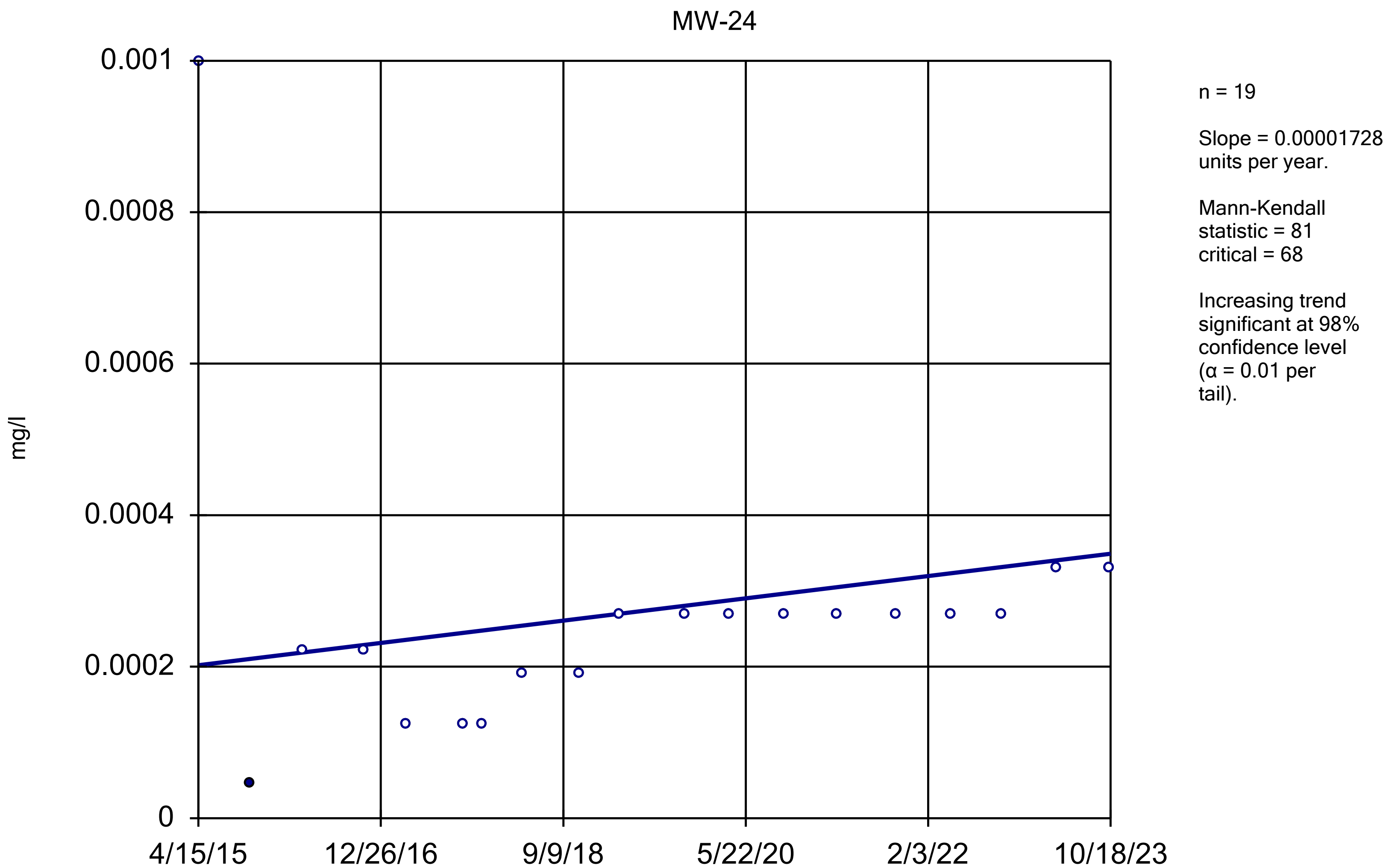


Constituent: Beryllium   Analysis Run 11/20/2023 10:00 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

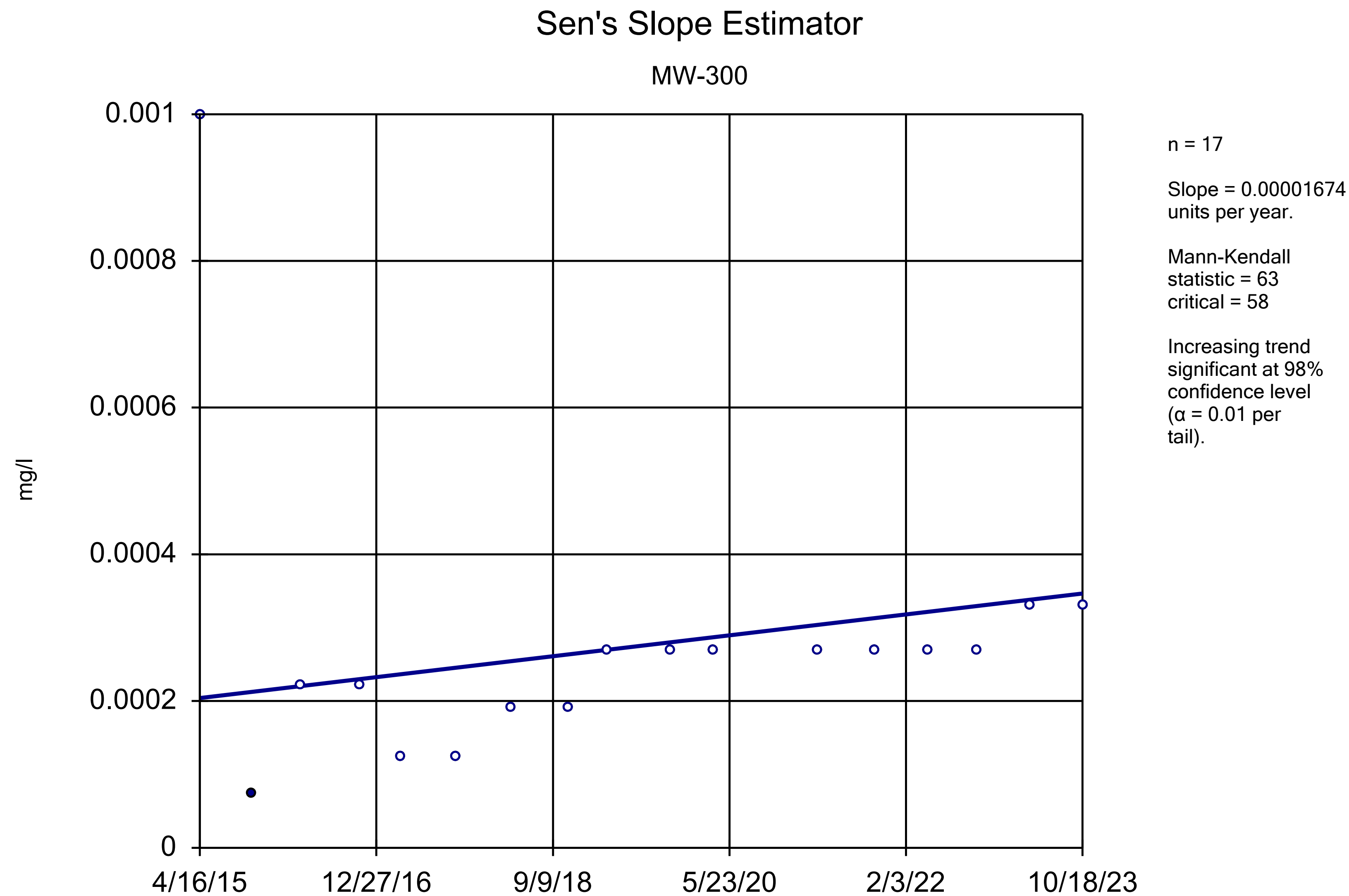
Sen's Slope Estimator



Constituent: Beryllium   Analysis Run 11/20/2023 10:00 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

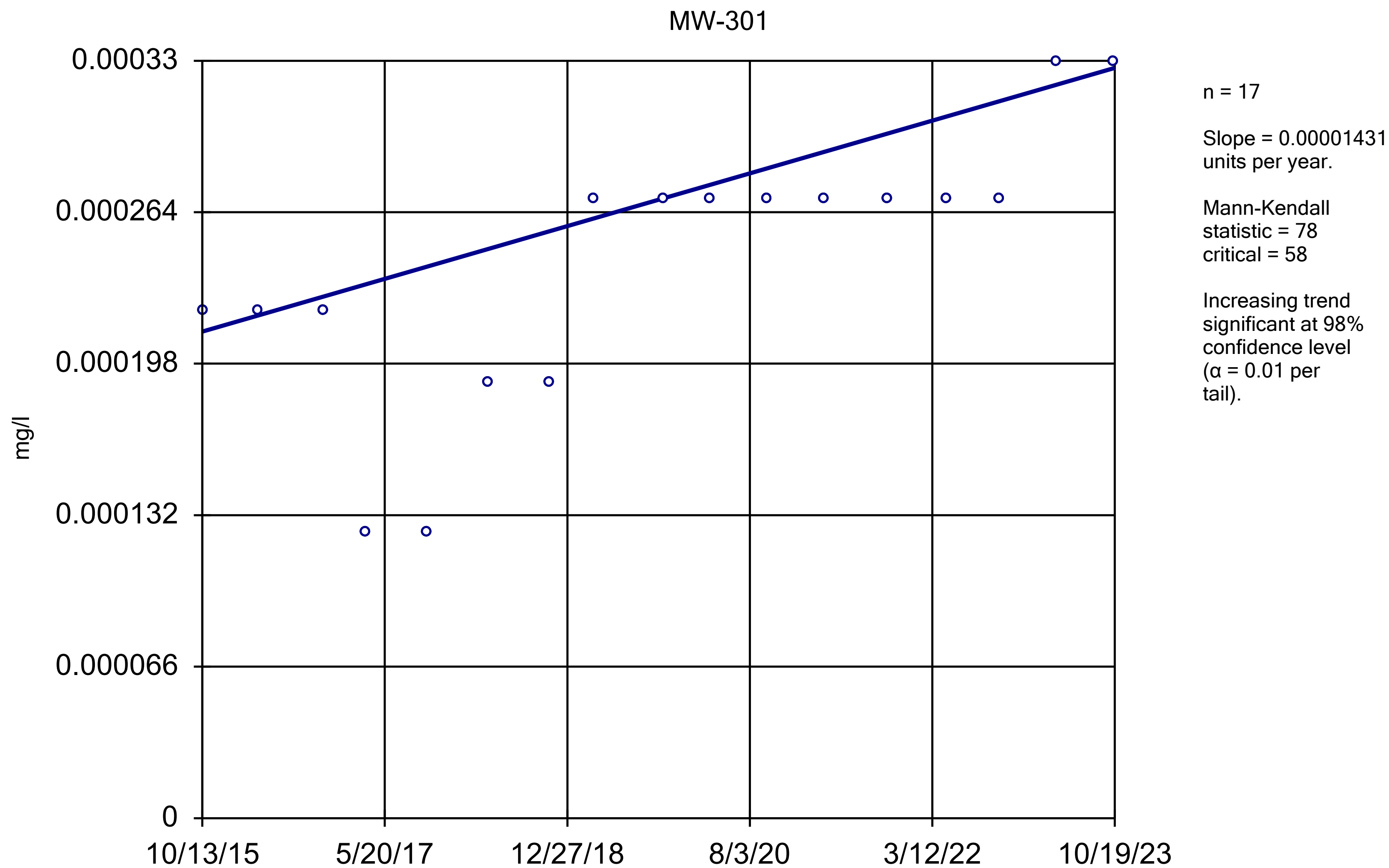
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Beryllium Analysis Run 11/20/2023 10:00 AM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

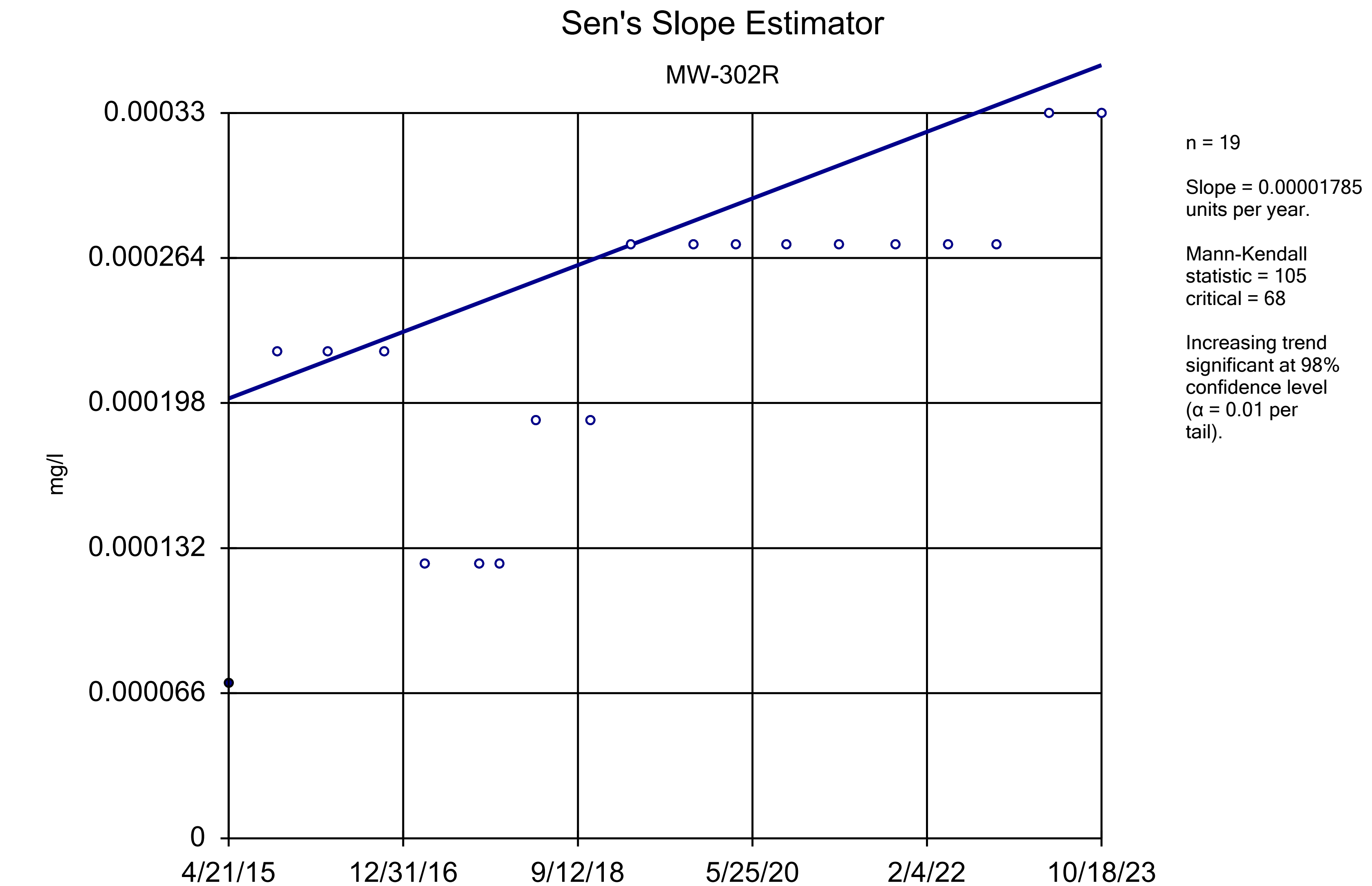
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator



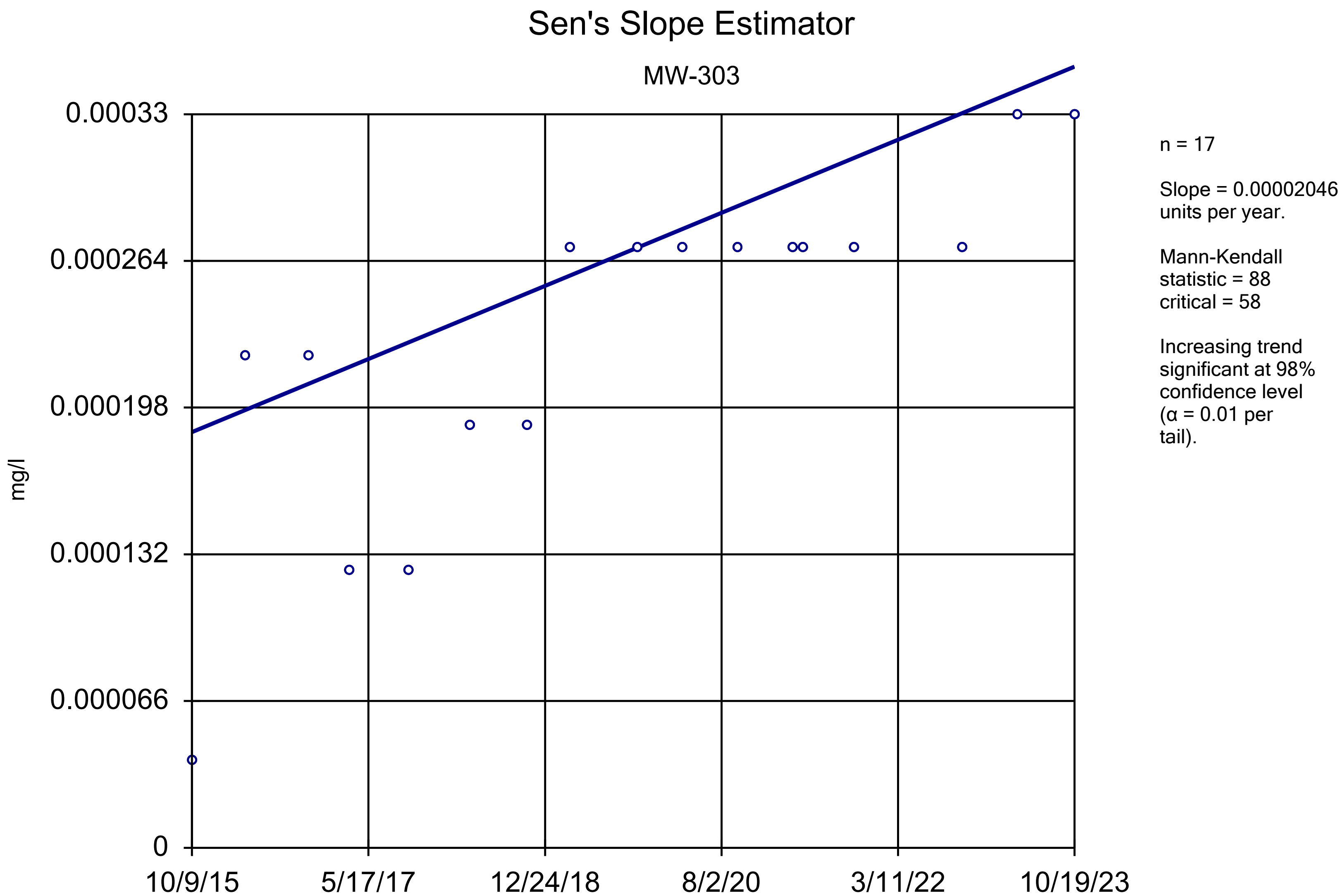
Constituent: Beryllium Analysis Run 11/20/2023 10:00 AM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Beryllium Analysis Run 11/20/2023 10:00 AM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



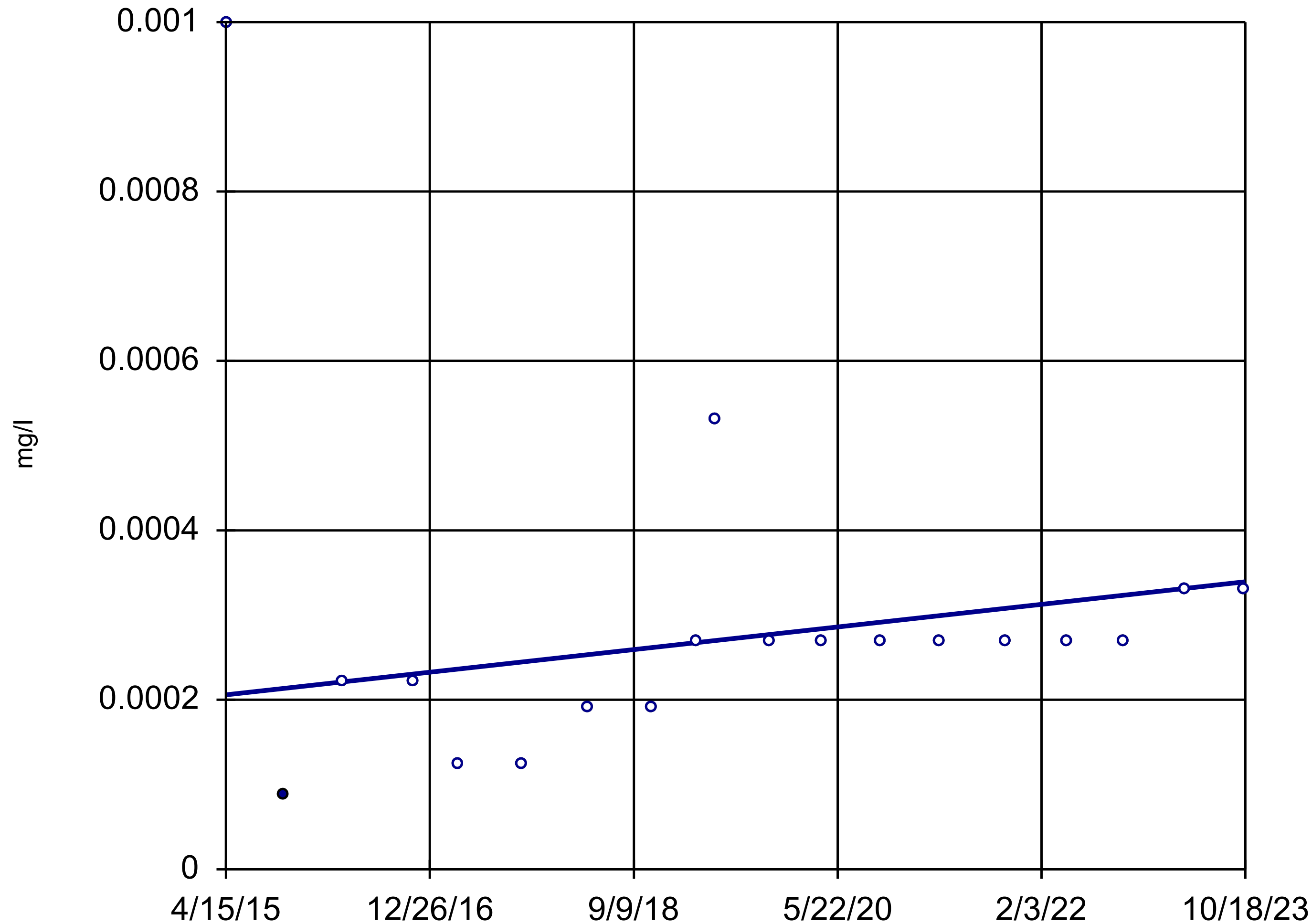
Constituent: Beryllium   Analysis Run 11/20/2023 10:00 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-304R



n = 19

Slope = 0.00001567
units per year.

Mann-Kendall
statistic = 69
critical = 68

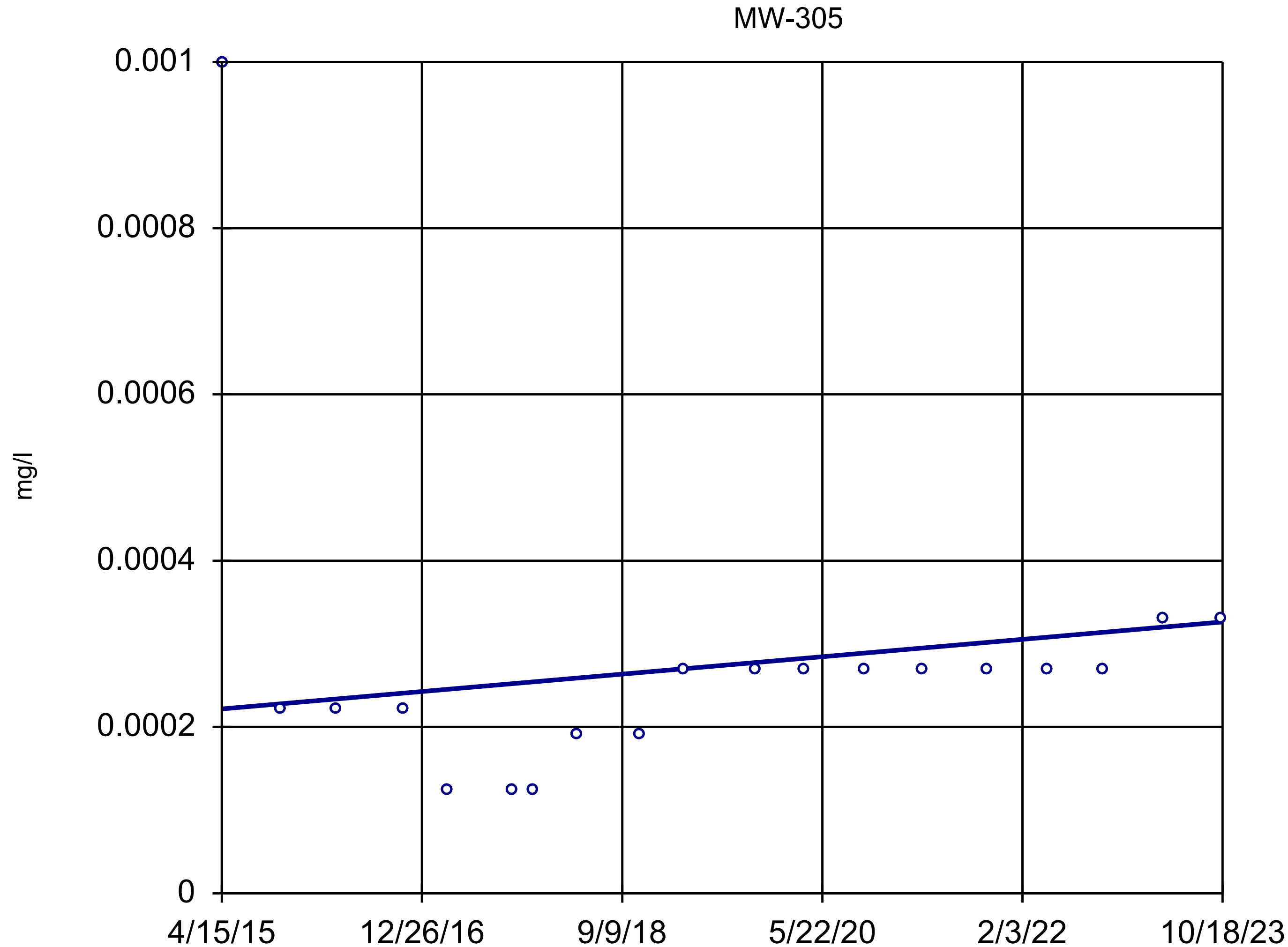
Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Beryllium   Analysis Run 11/20/2023 10:00 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator



n = 19

Slope = 0.00001231
units per year.

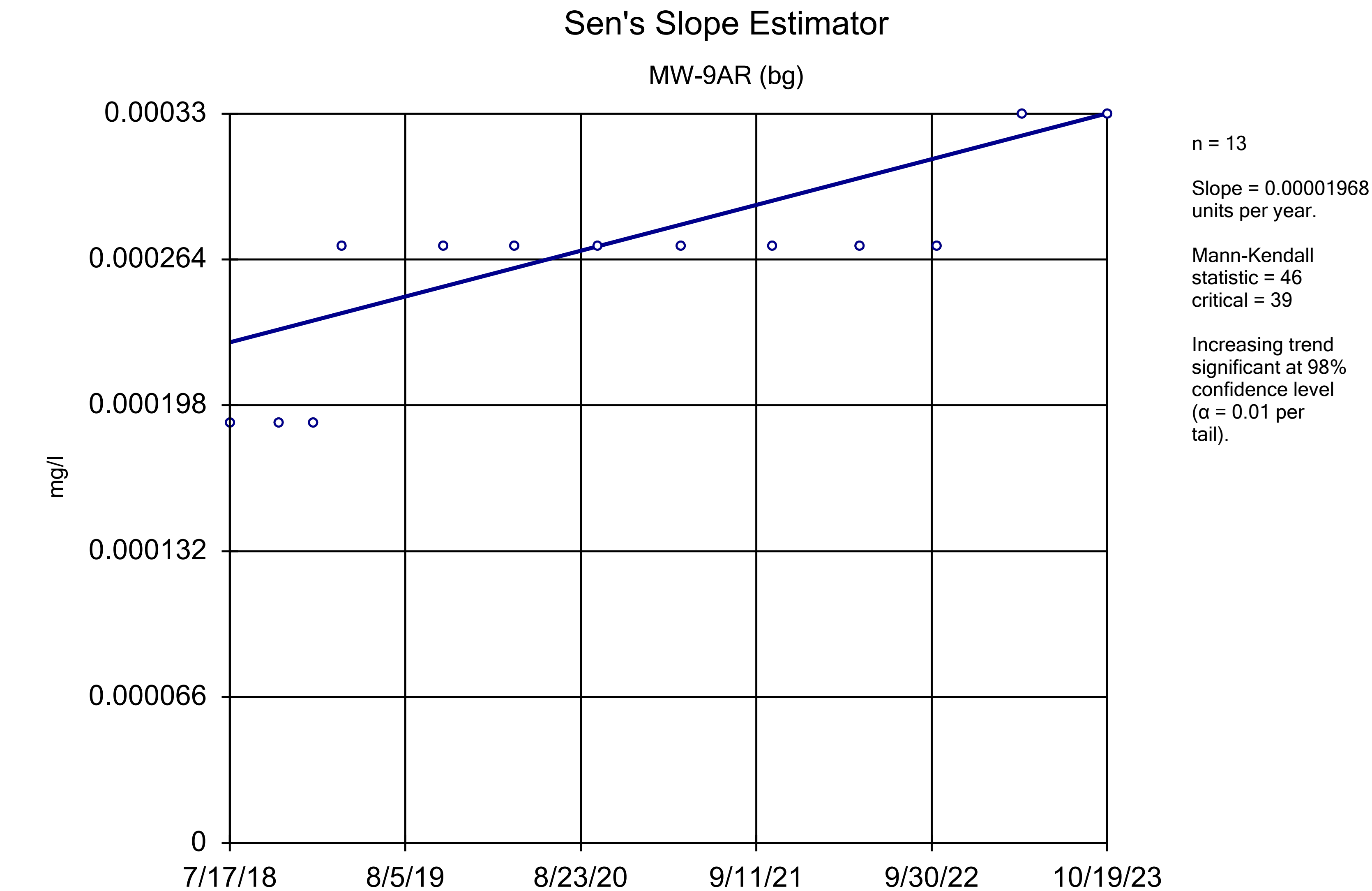
Mann-Kendall
statistic = 69
critical = 68

Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Beryllium   Analysis Run 11/20/2023 10:00 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

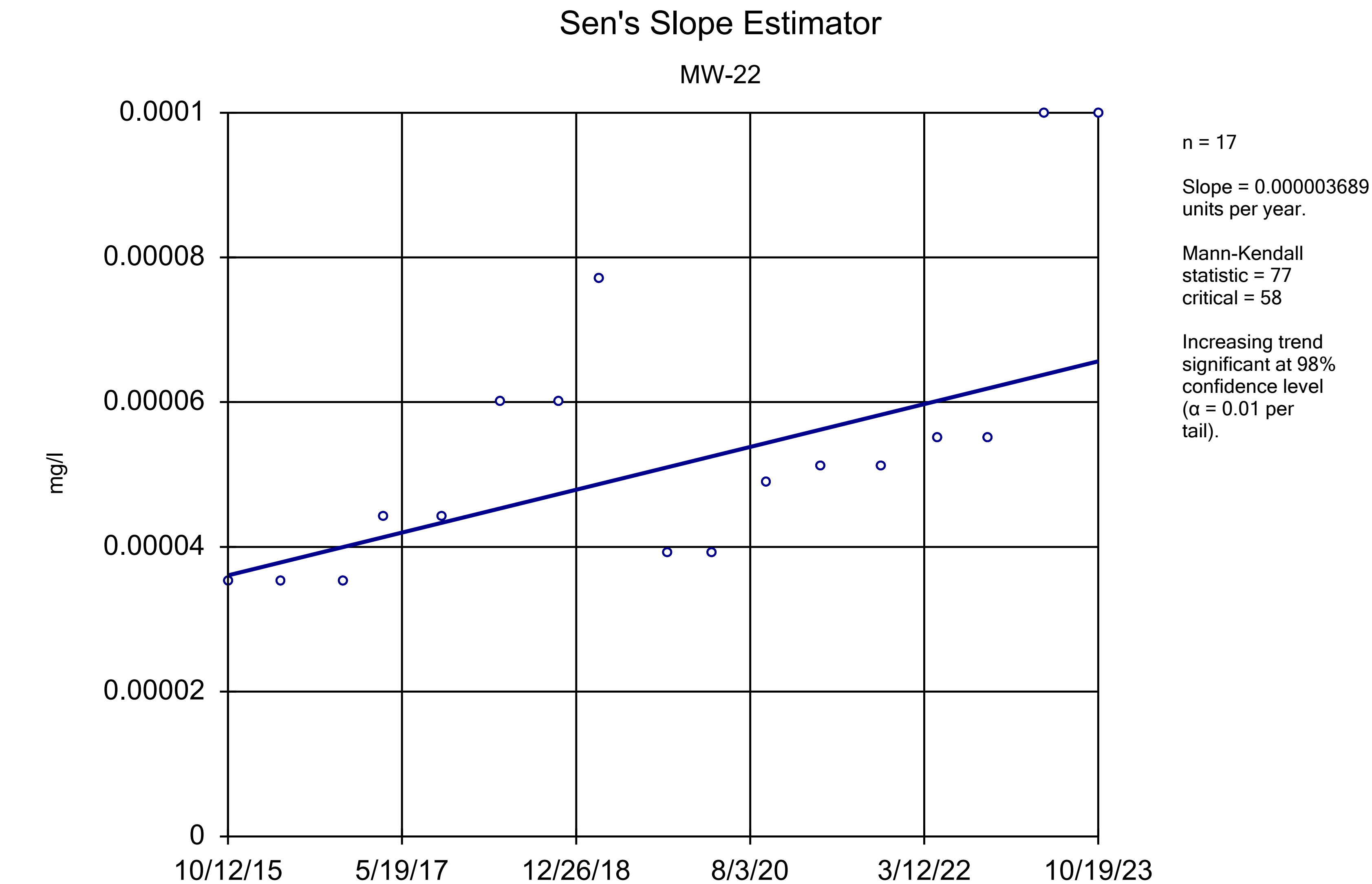
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Beryllium   Analysis Run 11/20/2023 10:00 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

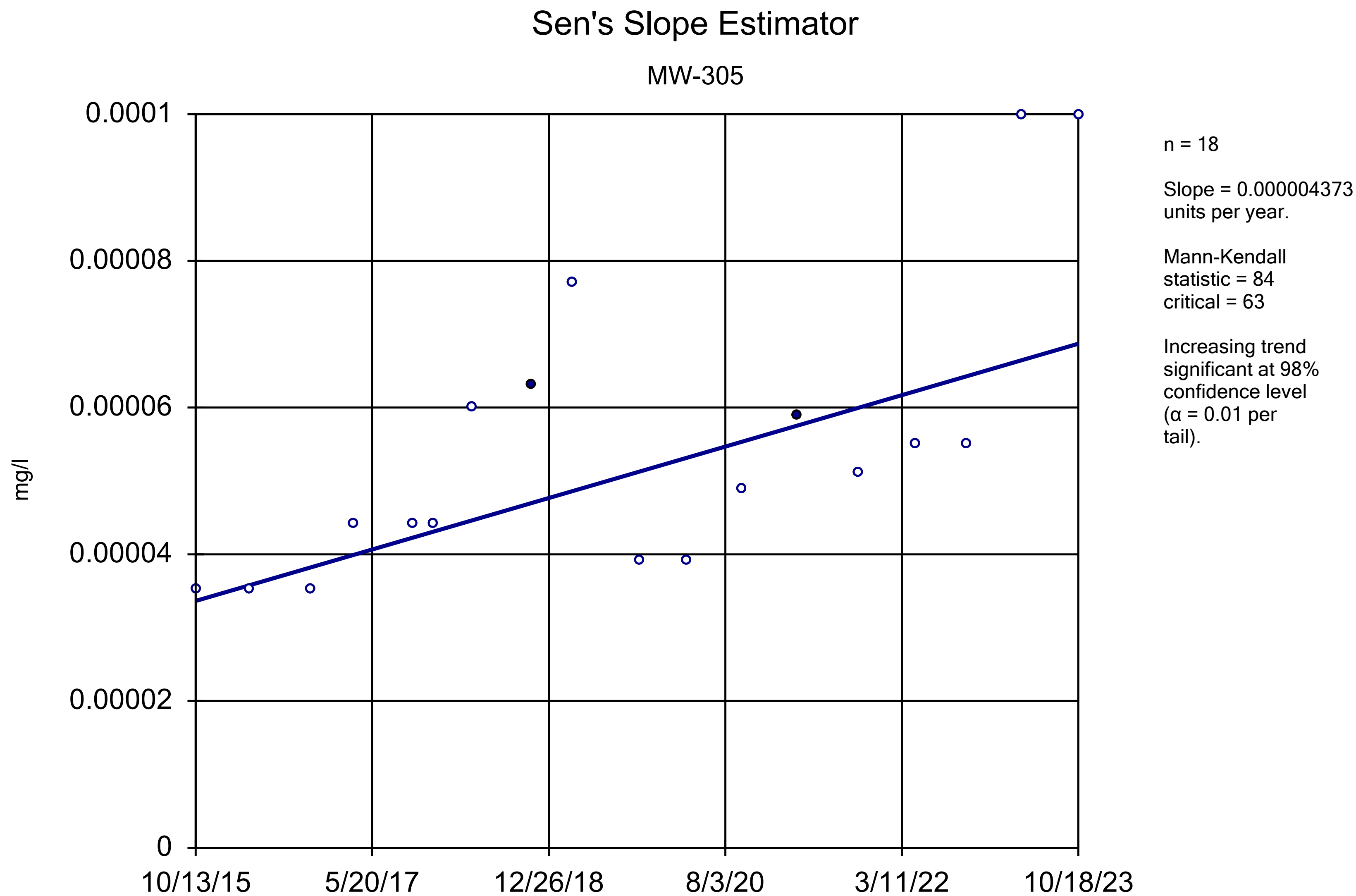
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Cadmium   Analysis Run 11/20/2023 10:00 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

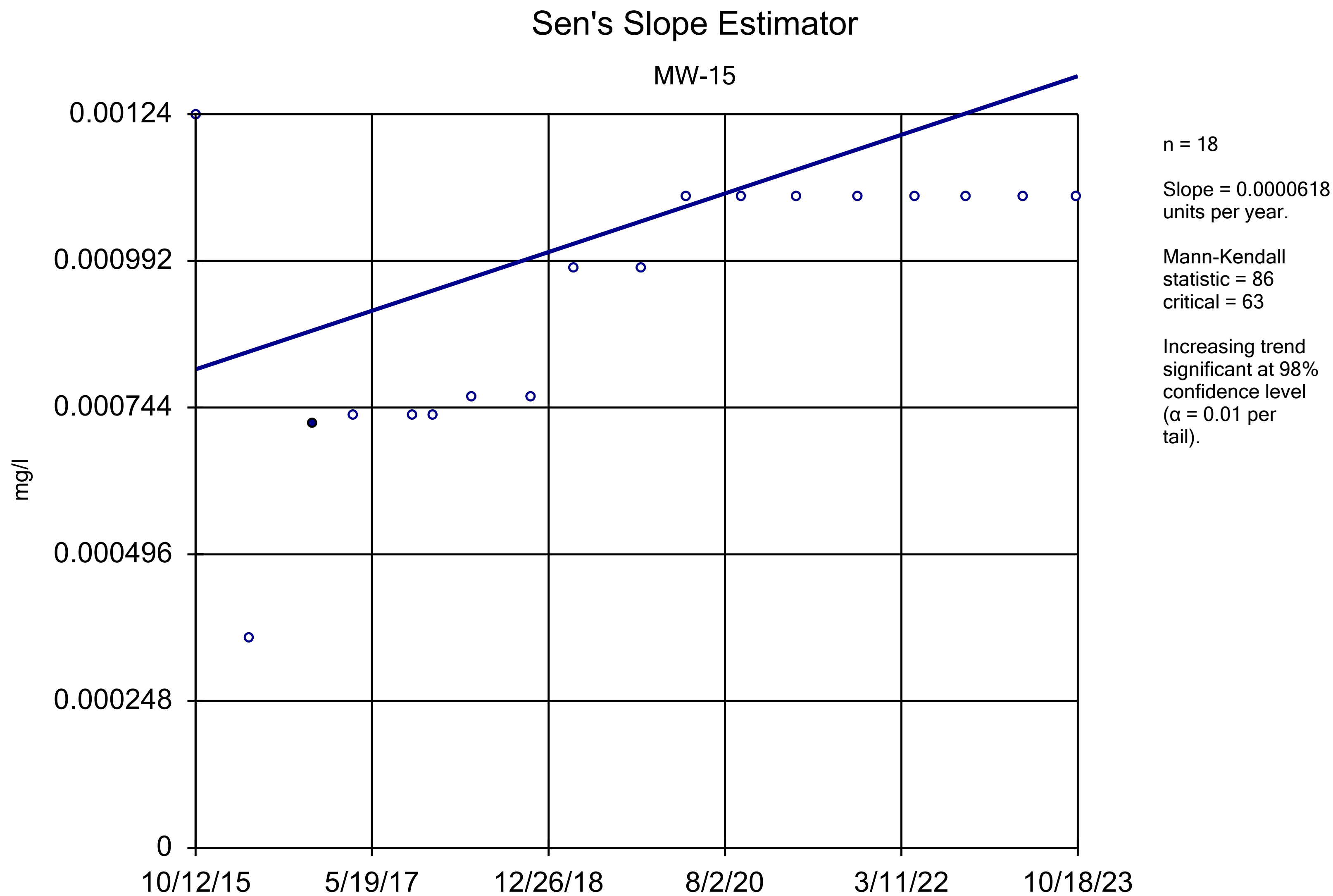
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Cadmium Analysis Run 11/20/2023 10:00 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

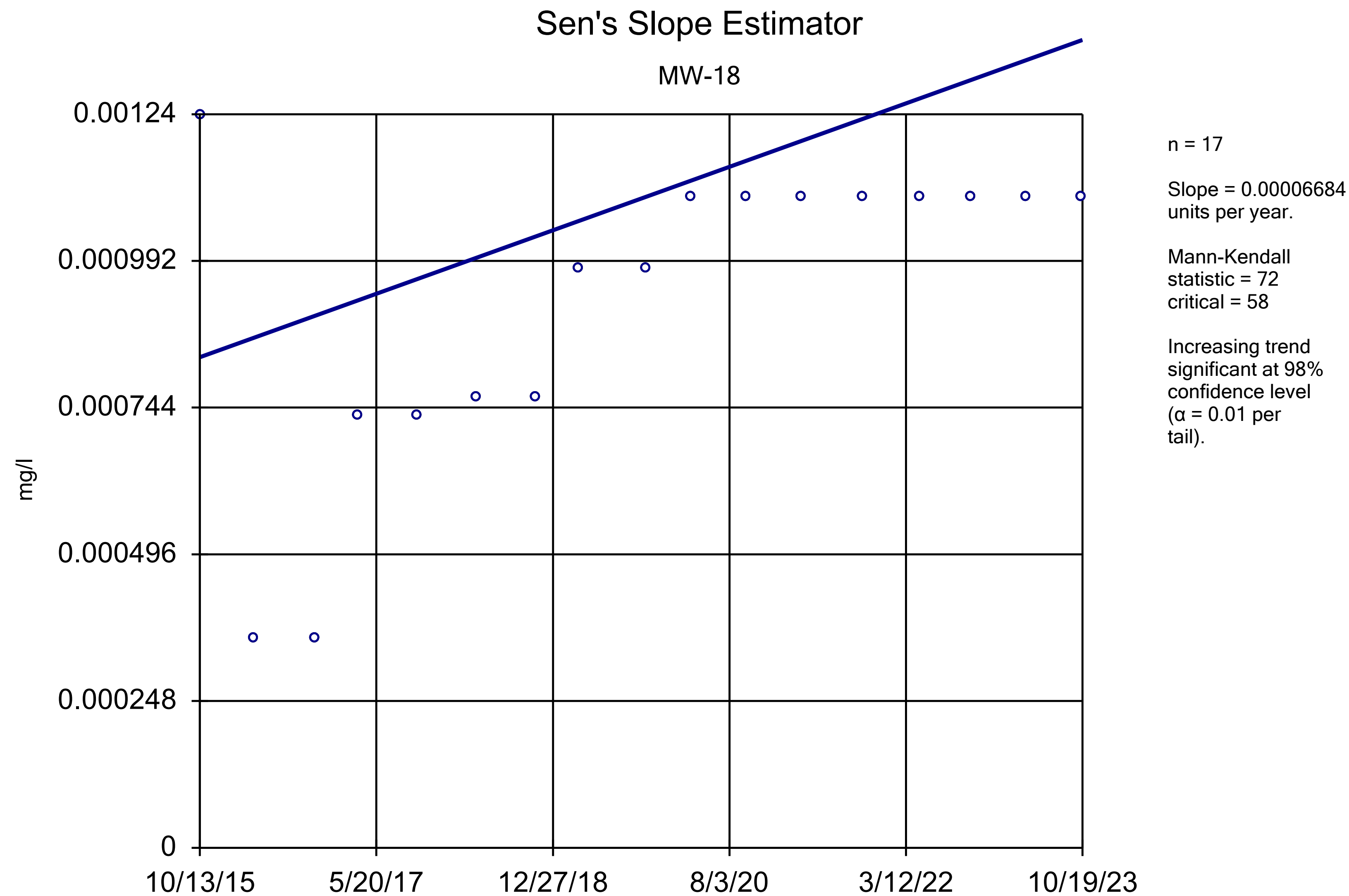
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Chromium   Analysis Run 11/20/2023 10:00 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

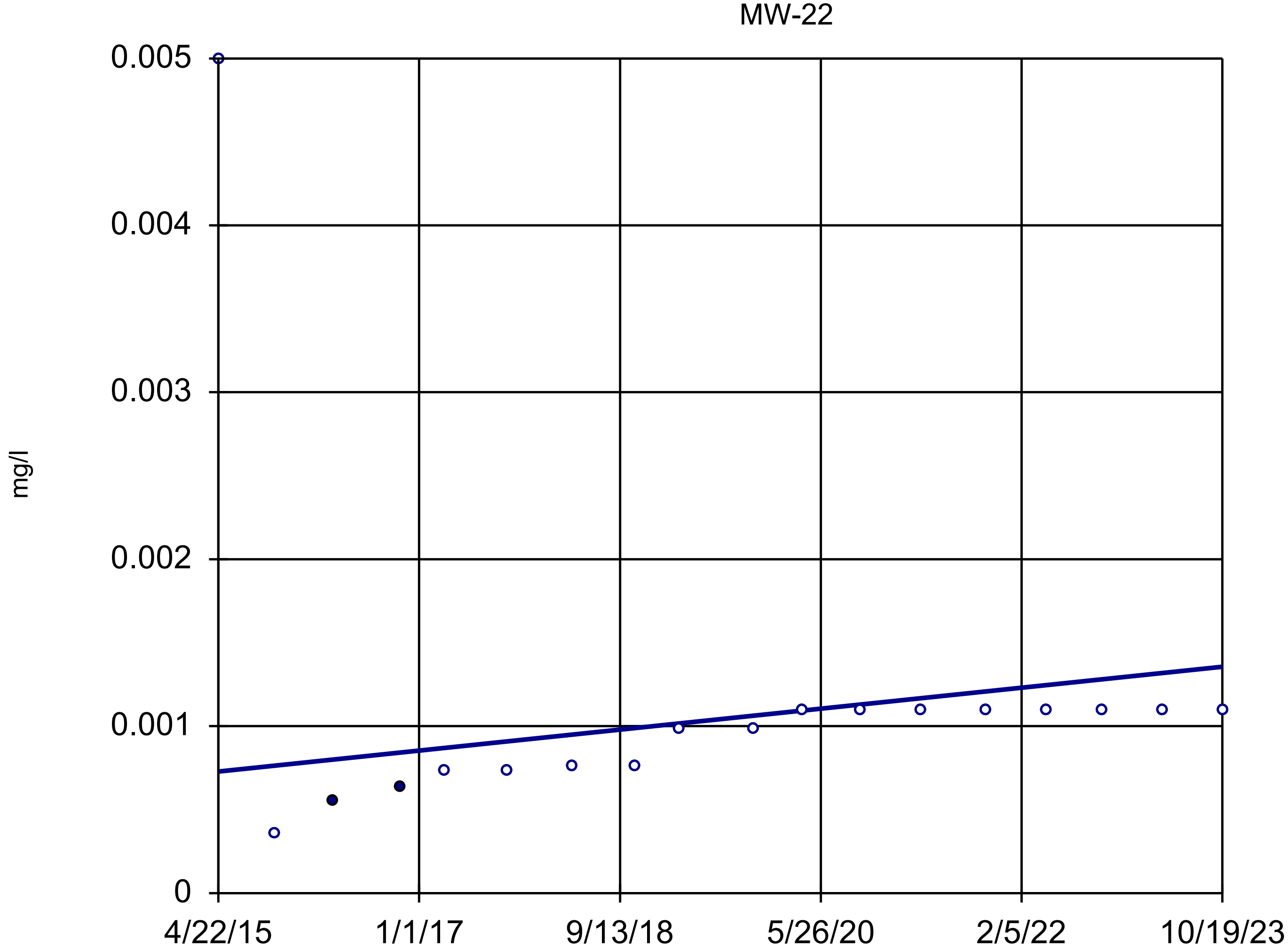
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Chromium Analysis Run 11/20/2023 10:00 AM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator



n = 18

Slope = 0.0000738 units per year.

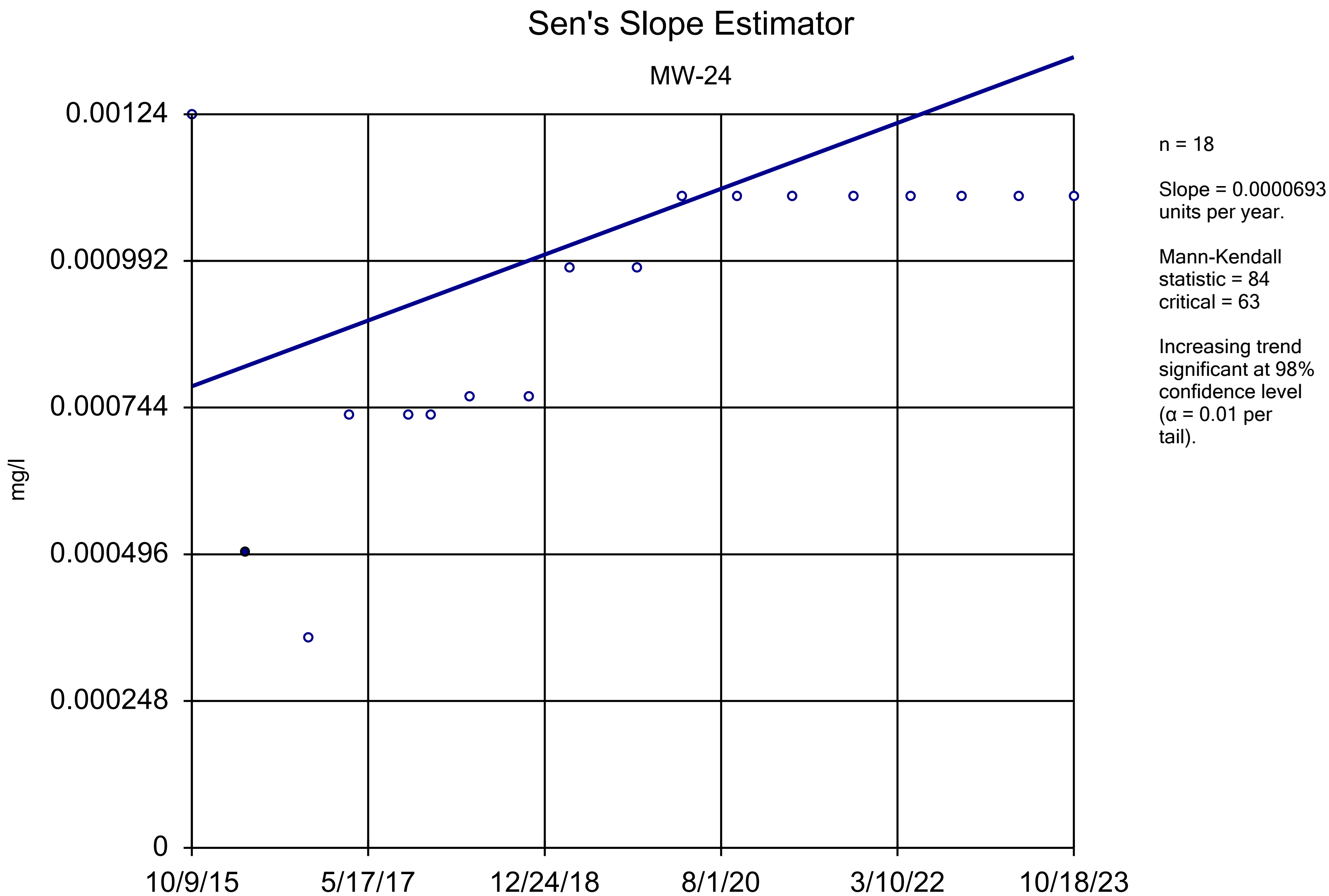
Mann-Kendall statistic = 88 critical = 63

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium Analysis Run 11/20/2023 10:00 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

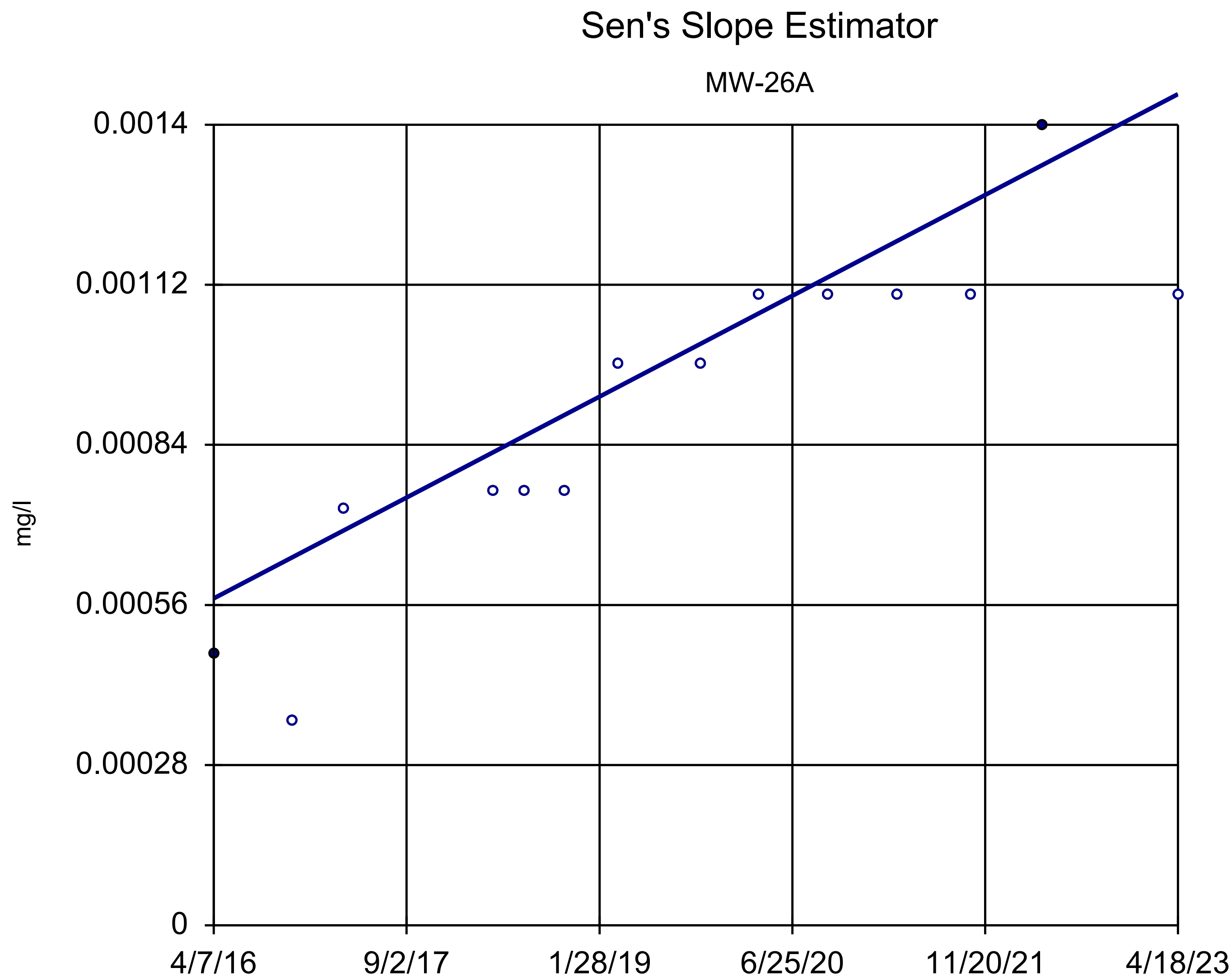
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Chromium Analysis Run 11/20/2023 10:00 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



n = 14

Slope = 0.0001253 units per year.

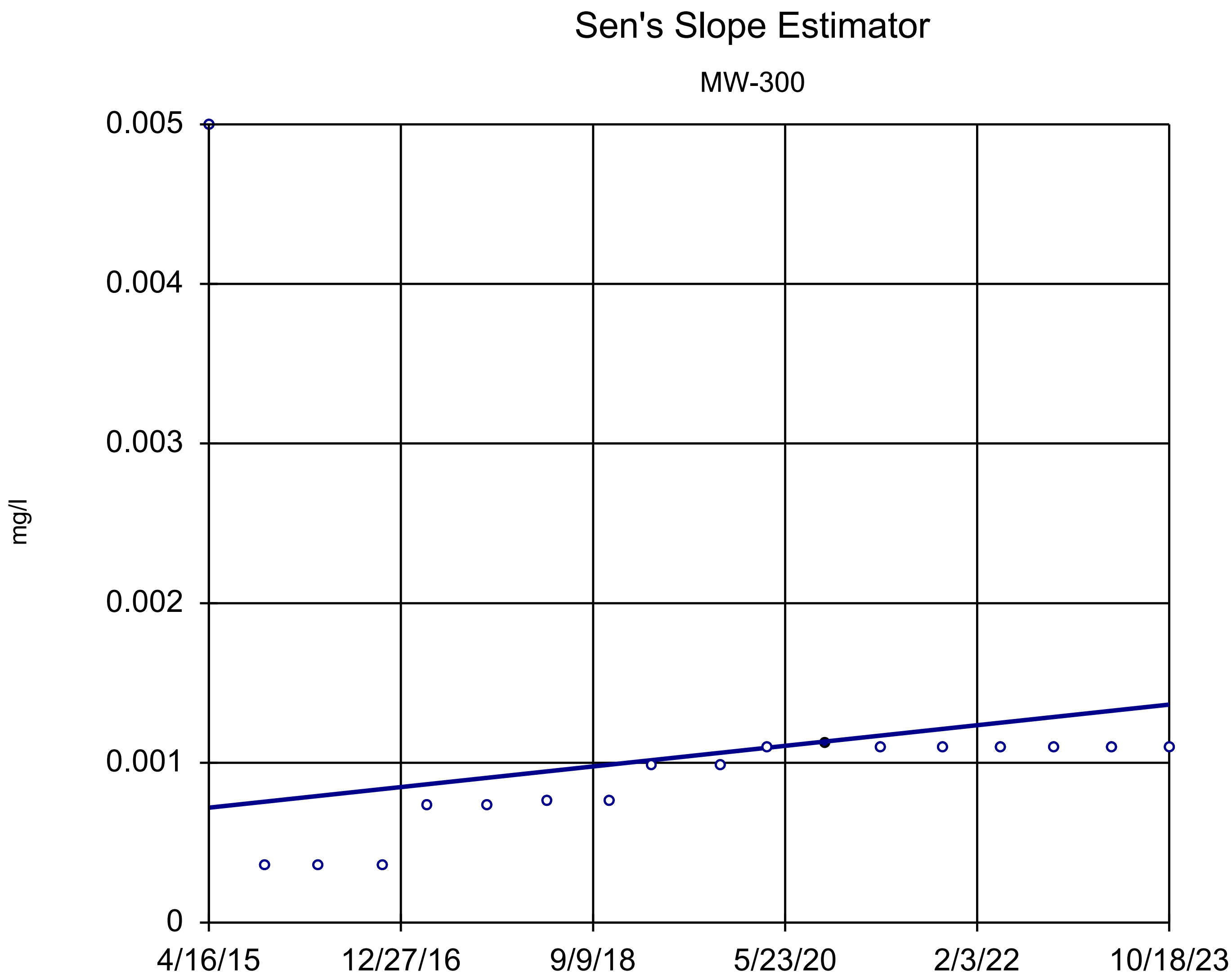
Mann-Kendall statistic = 73 critical = 44

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium   Analysis Run 11/20/2023 10:00 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



n = 18

Slope = 0.00007586
units per year.

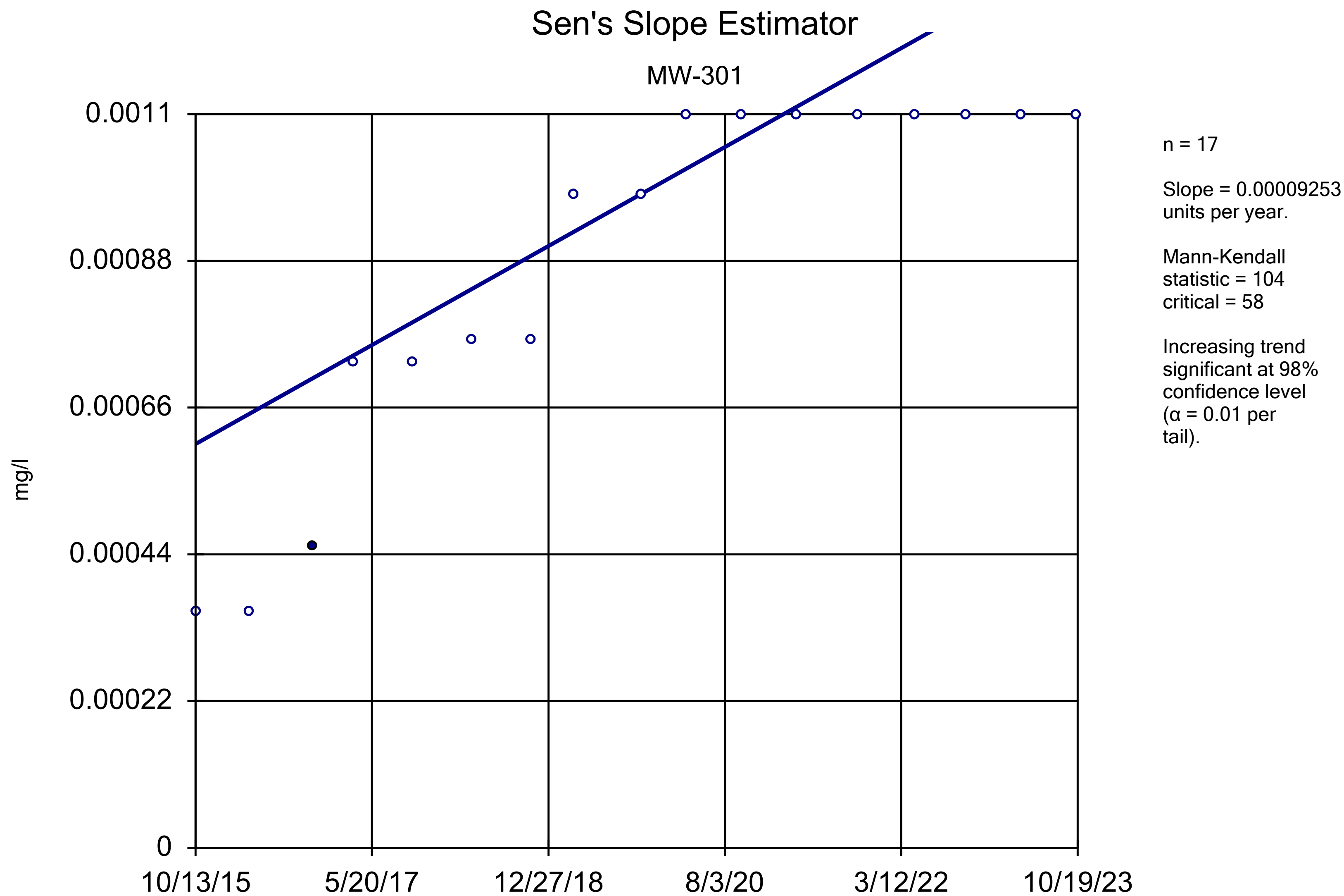
Mann-Kendall
statistic = 80
critical = 63

Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Chromium   Analysis Run 11/20/2023 10:00 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

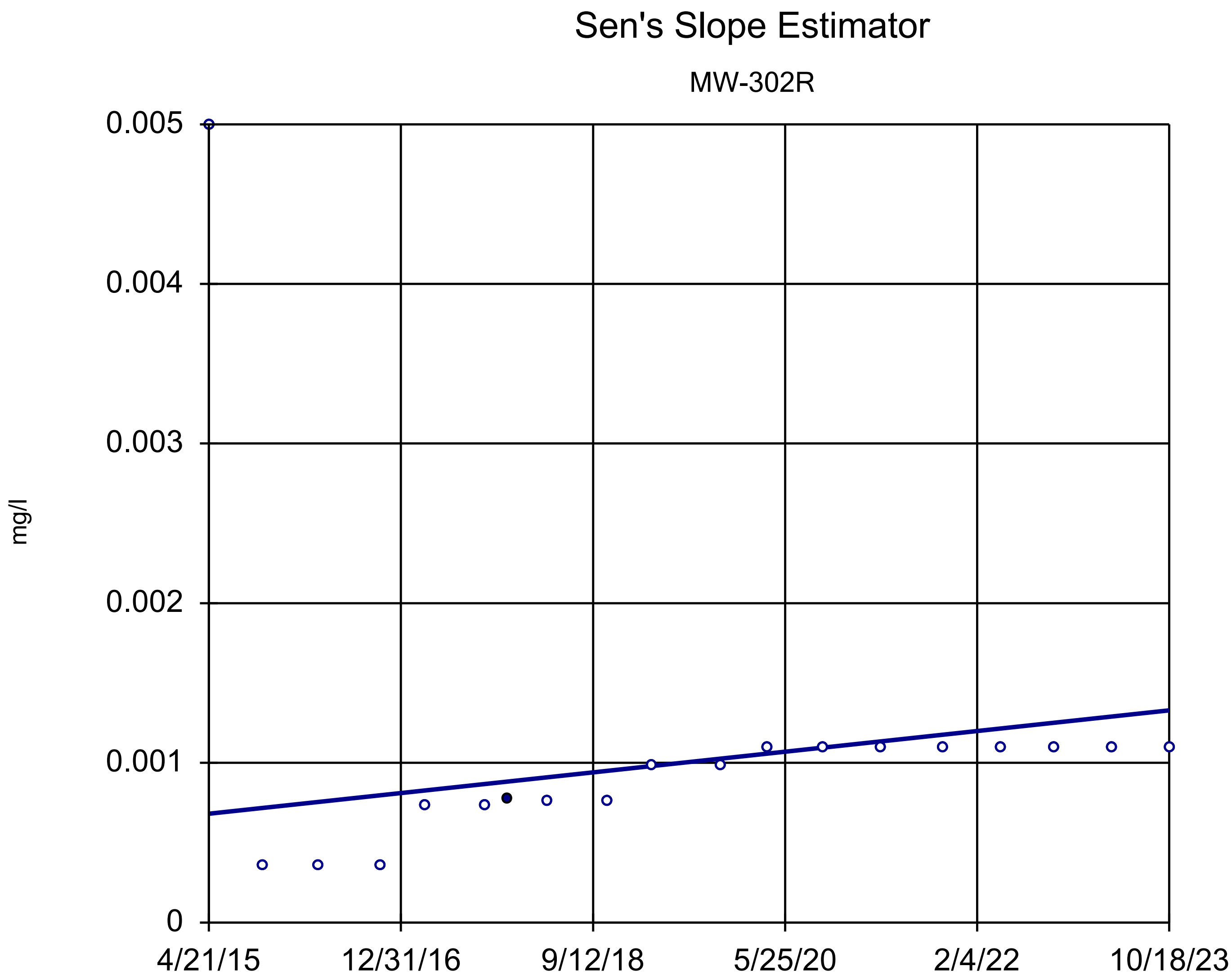
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Chromium   Analysis Run 11/20/2023 10:00 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



n = 19

Slope = 0.00007623 units per year.

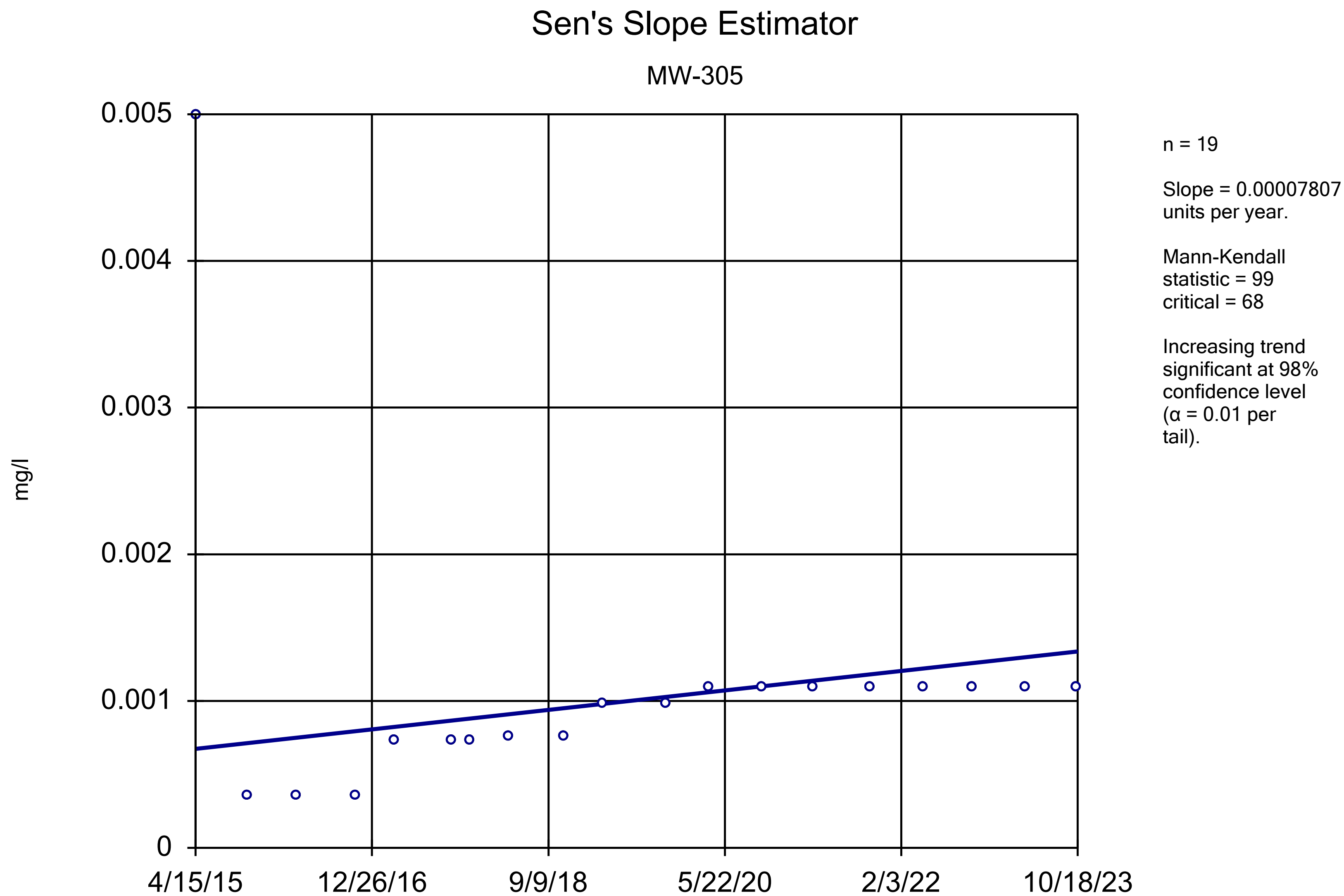
Mann-Kendall statistic = 97 critical = 68

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium   Analysis Run 11/20/2023 10:01 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

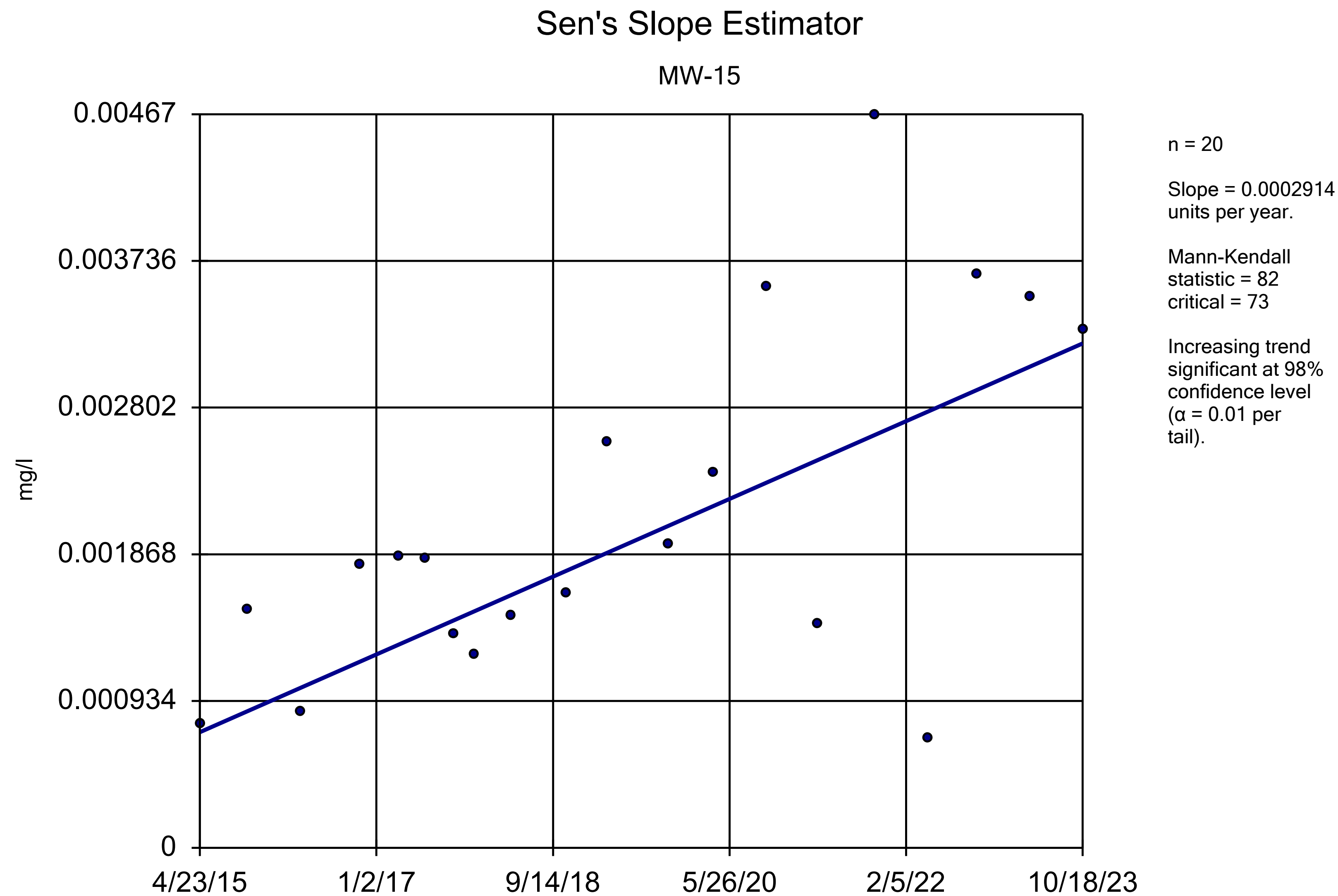
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Chromium Analysis Run 11/20/2023 10:01 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG



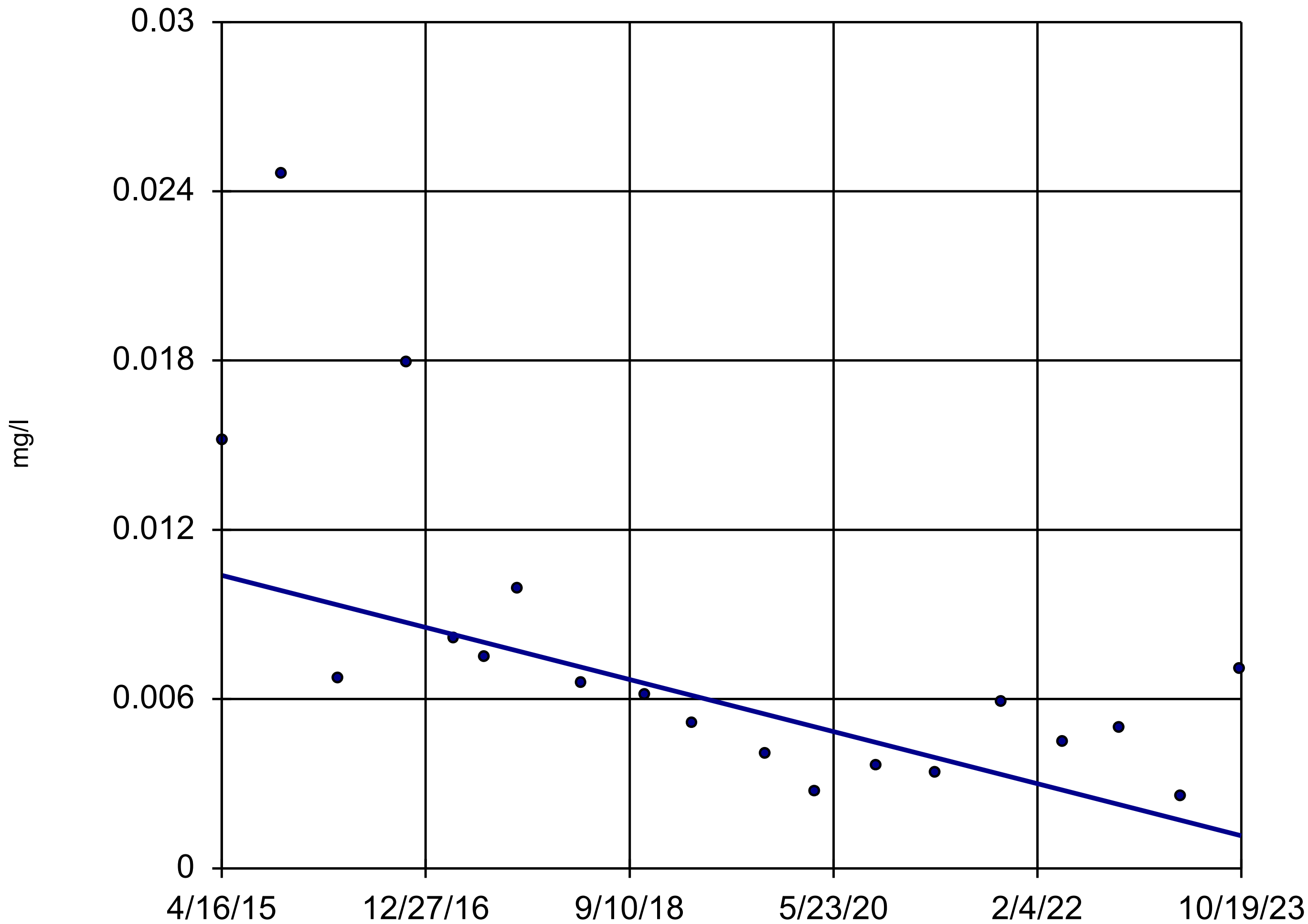
Constituent: Cobalt   Analysis Run 11/20/2023 10:01 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG

Sen's Slope Estimator

MW-18



n = 19

Slope = -0.001085 units per year.

Mann-Kendall statistic = -99 critical = -68

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

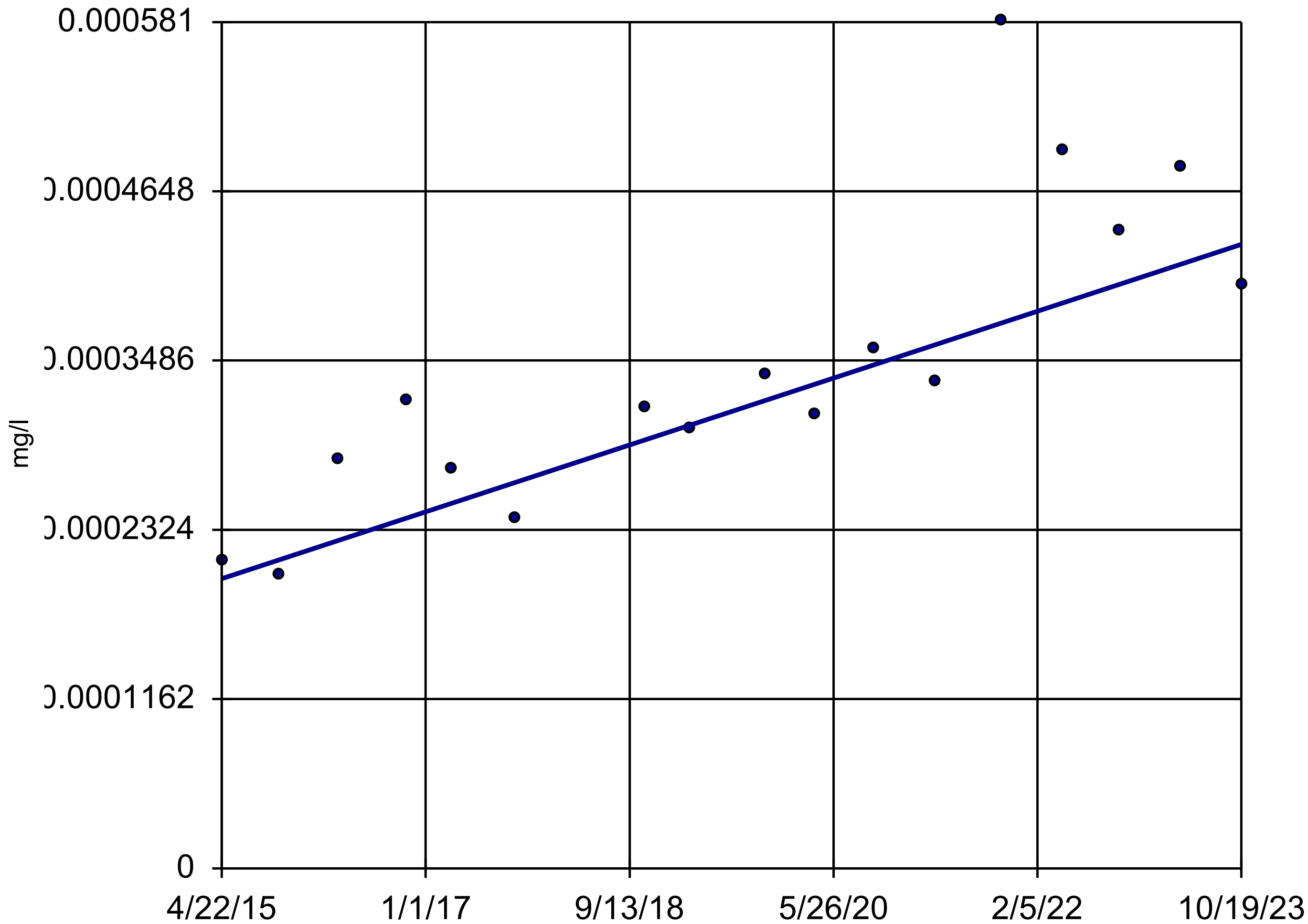
Constituent: Cobalt Analysis Run 11/20/2023 10:01 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG

Sen's Slope Estimator

MW-22



n = 17

Slope = 0.000027 units per year.

Mann-Kendall statistic = 90 critical = 58

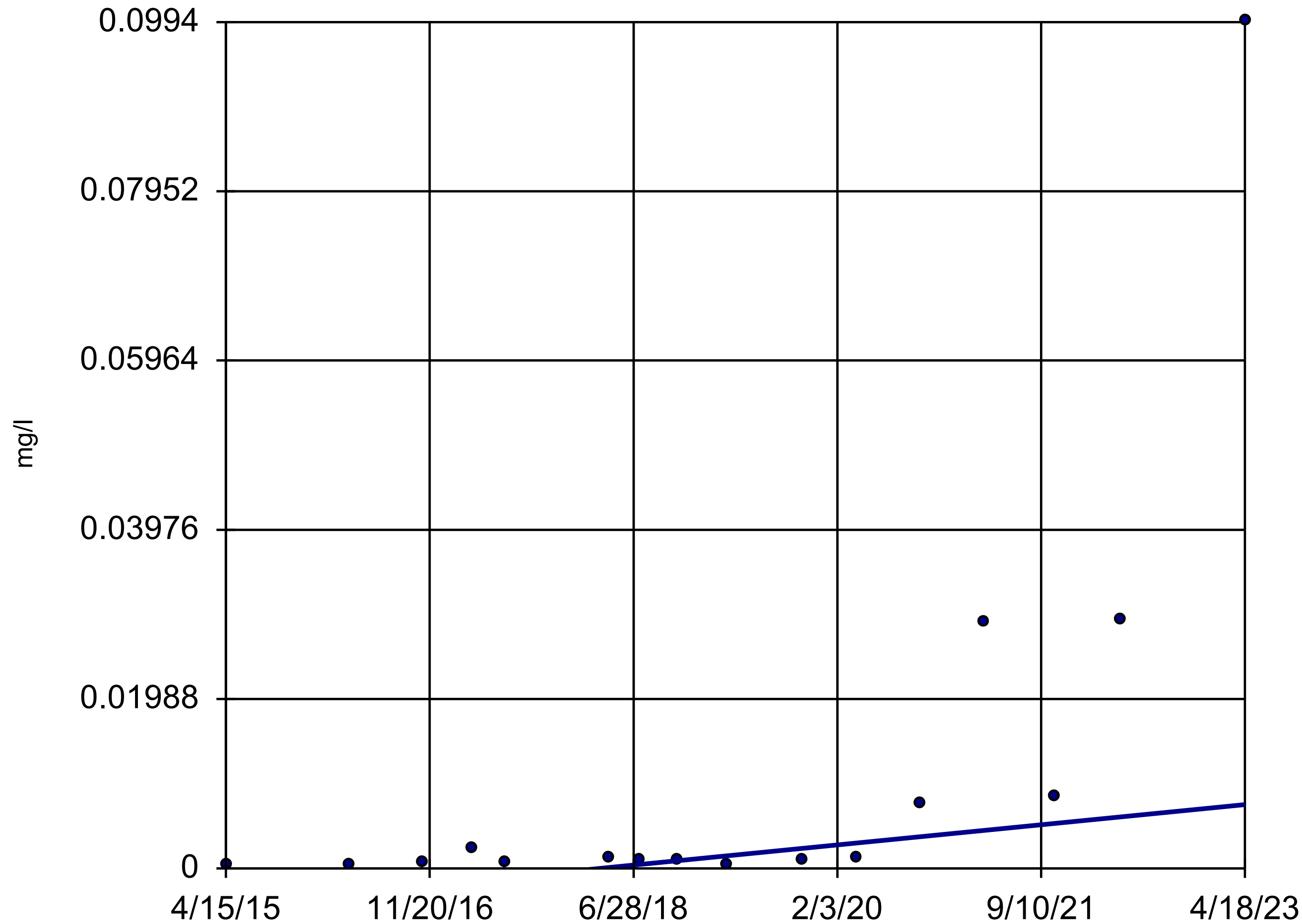
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cobalt   Analysis Run 11/20/2023 10:01 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sen's Slope Estimator

MW-26A



n = 16

Slope = 0.001475 units per year.

Mann-Kendall statistic = 80 critical = 53

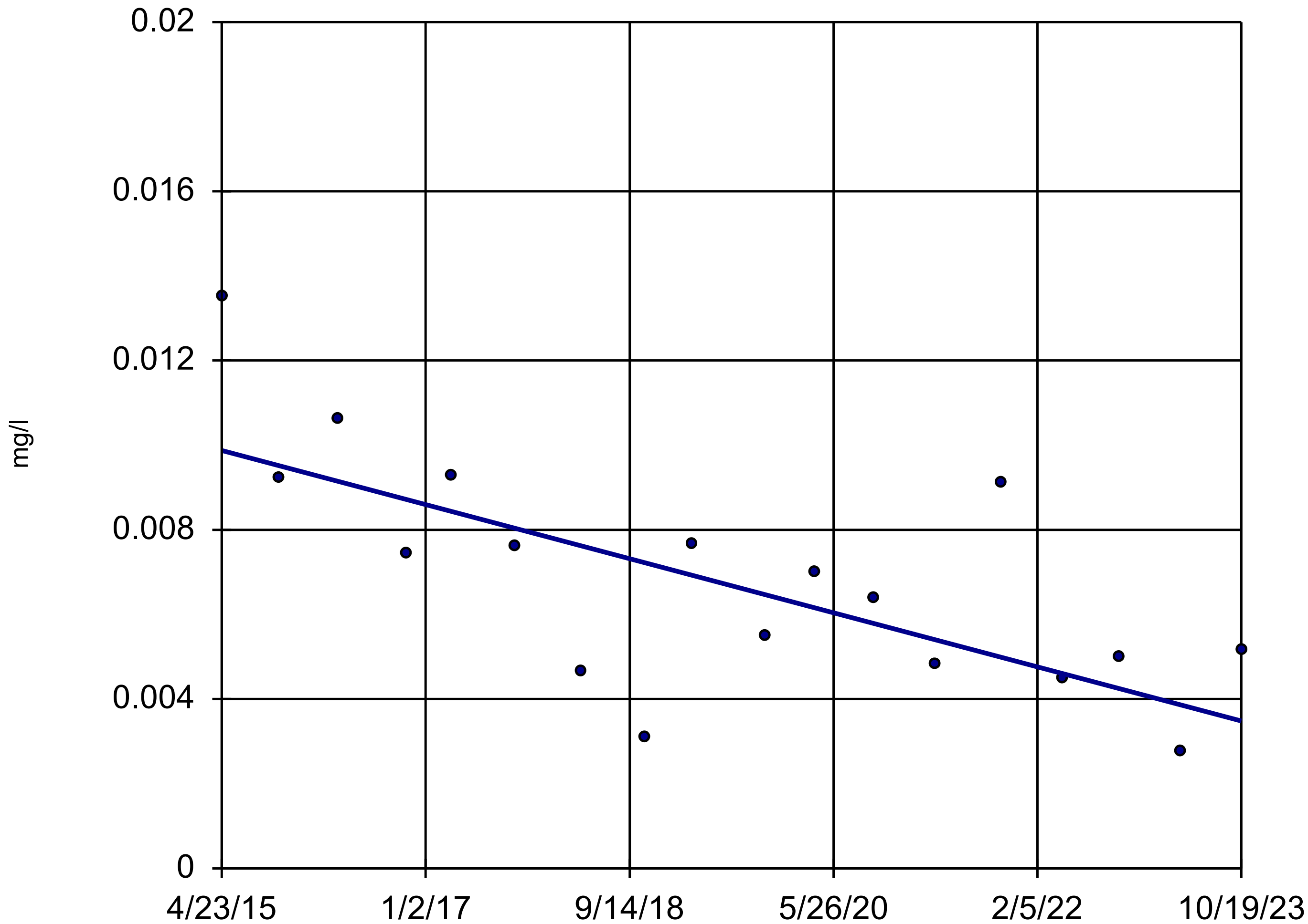
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cobalt   Analysis Run 11/20/2023 10:01 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sen's Slope Estimator

MW-301



n = 18

Slope = -0.0007525 units per year.

Mann-Kendall statistic = -77 critical = -63

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cobalt Analysis Run 11/20/2023 10:01 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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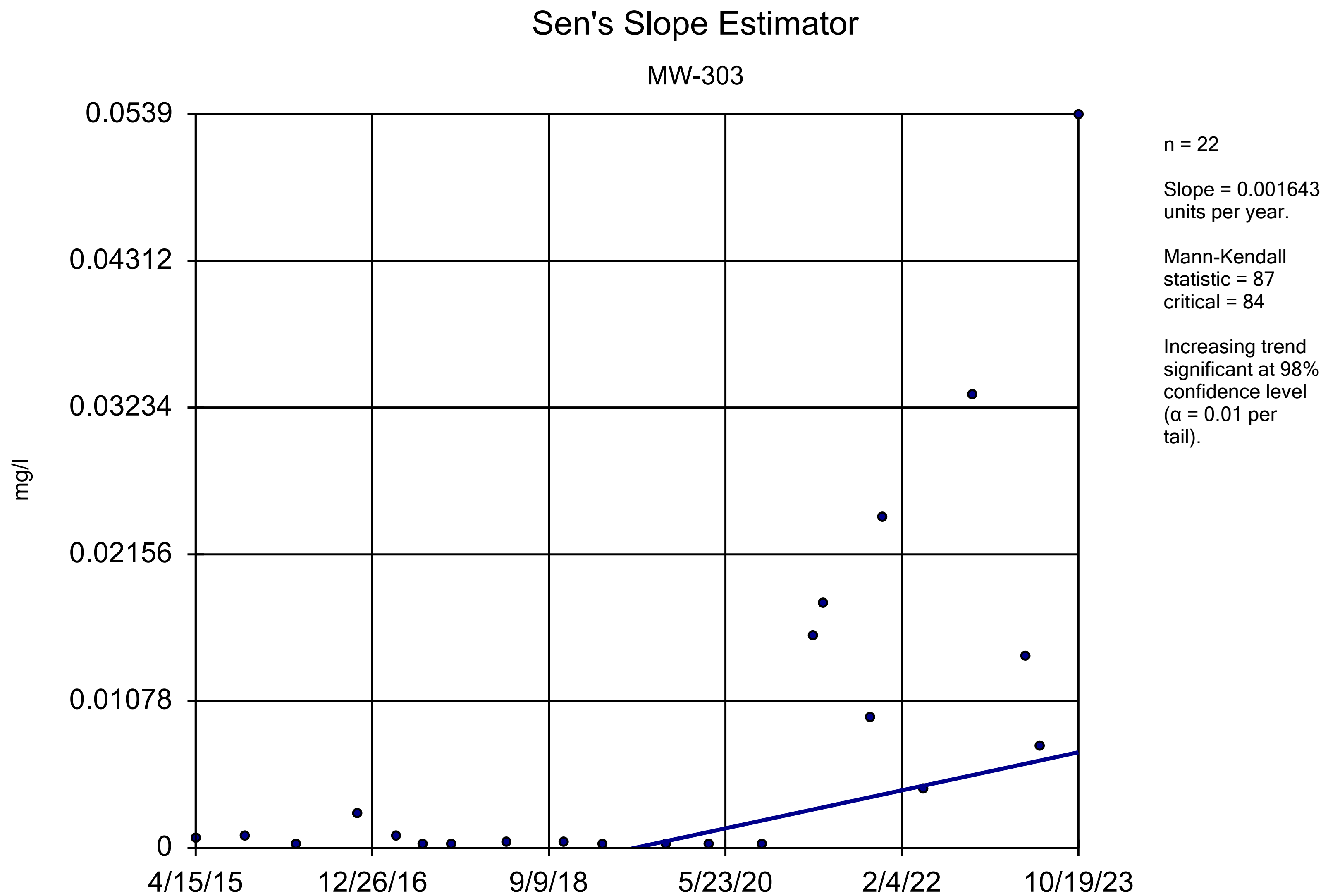
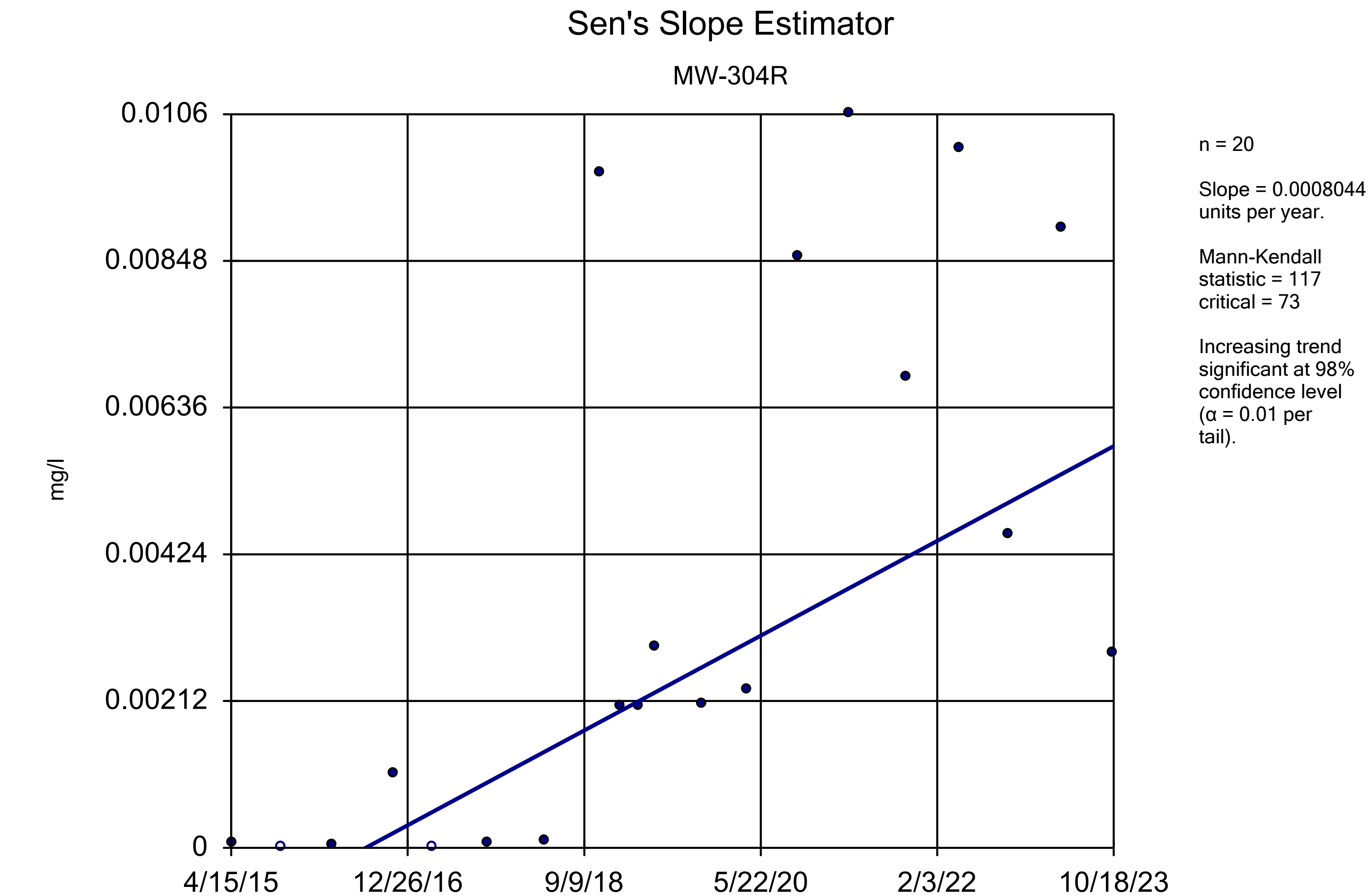


Constituent: Cobalt Analysis Run 11/20/2023 10:01 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

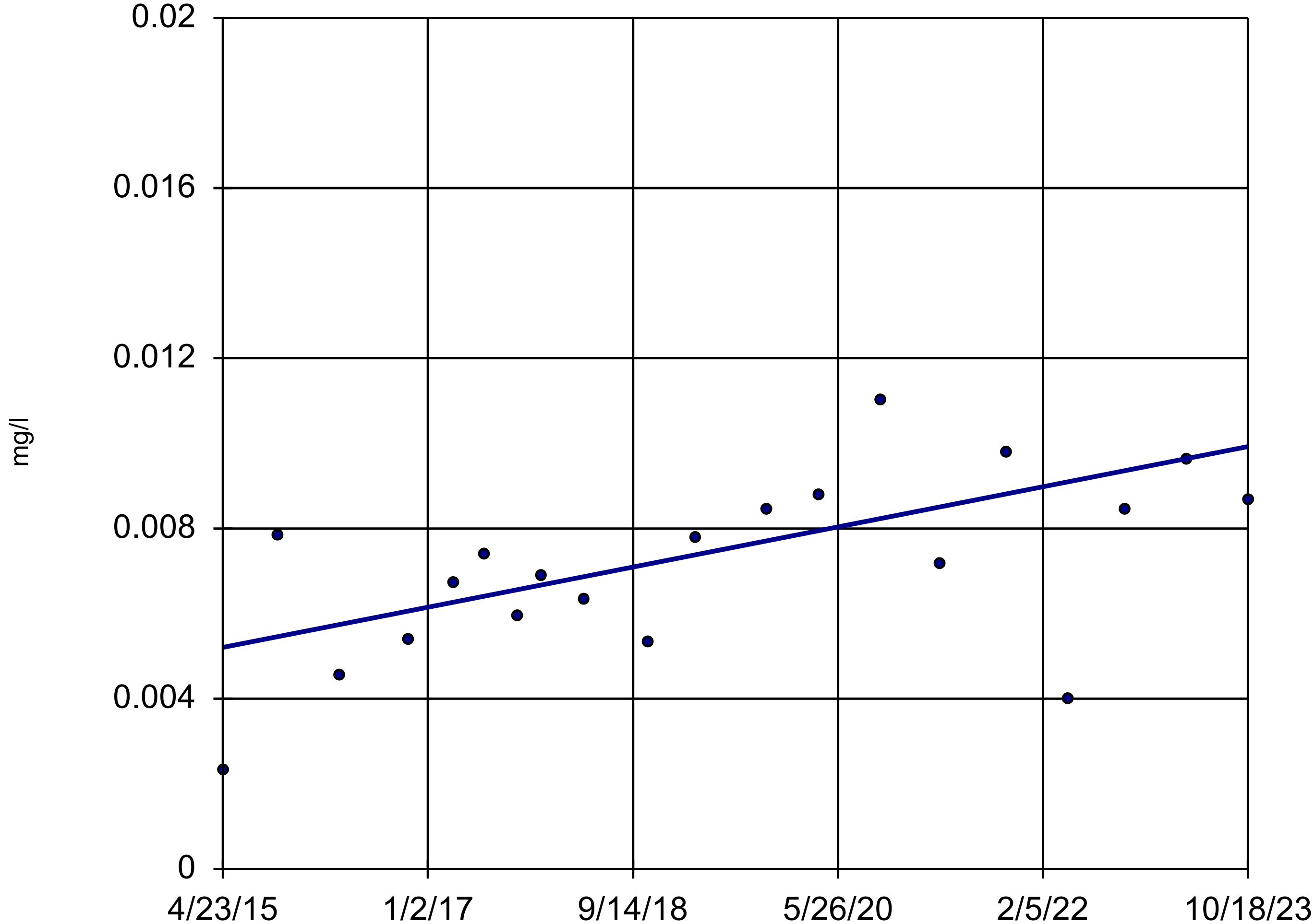


Constituent: Cobalt Analysis Run 11/20/2023 10:01 AM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG

Sen's Slope Estimator

MW-15



n = 20

Slope = 0.0005552 units per year.

Mann-Kendall statistic = 84 critical = 73

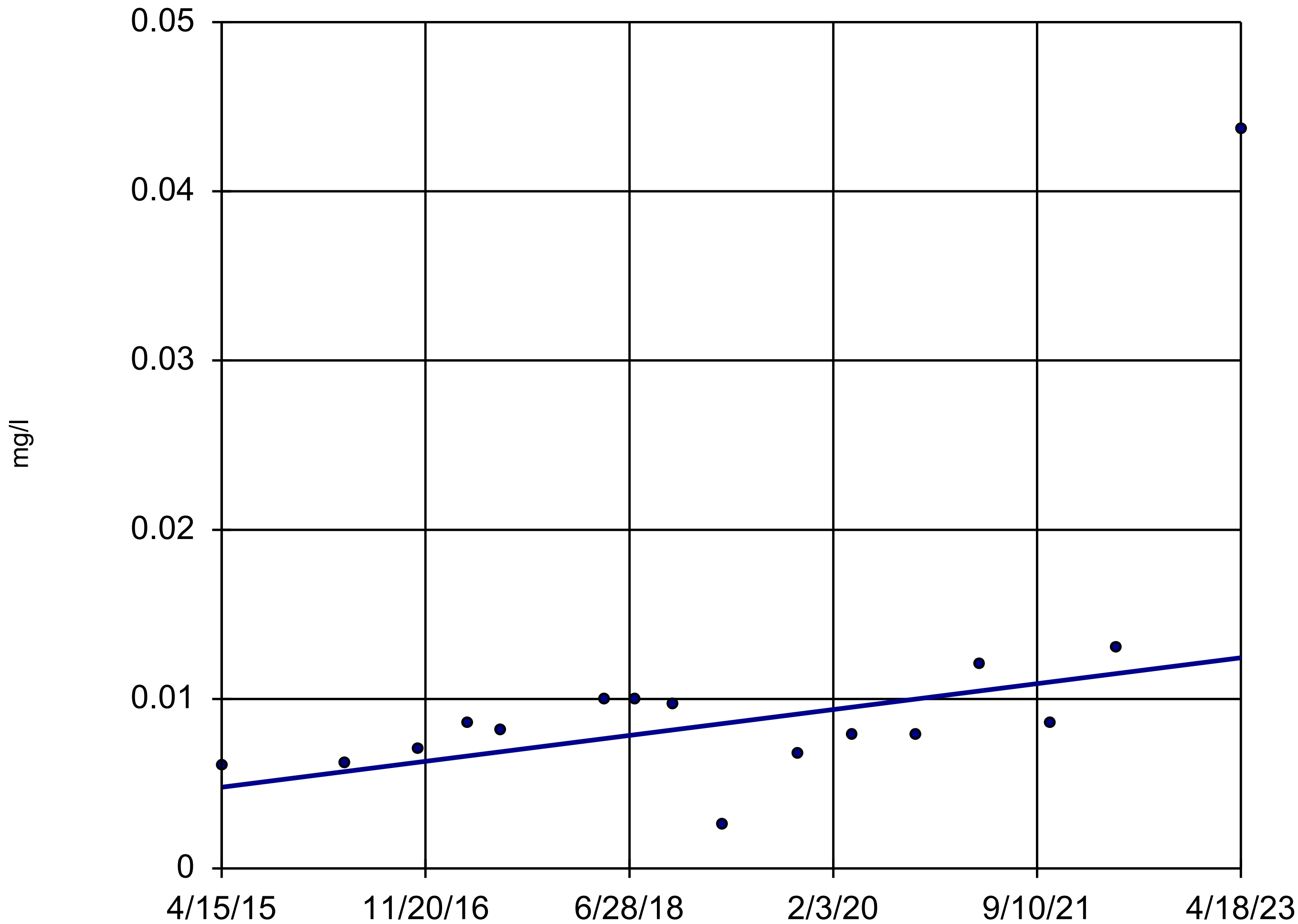
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Nickel   Analysis Run 11/20/2023 10:01 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sen's Slope Estimator

MW-26A



n = 16

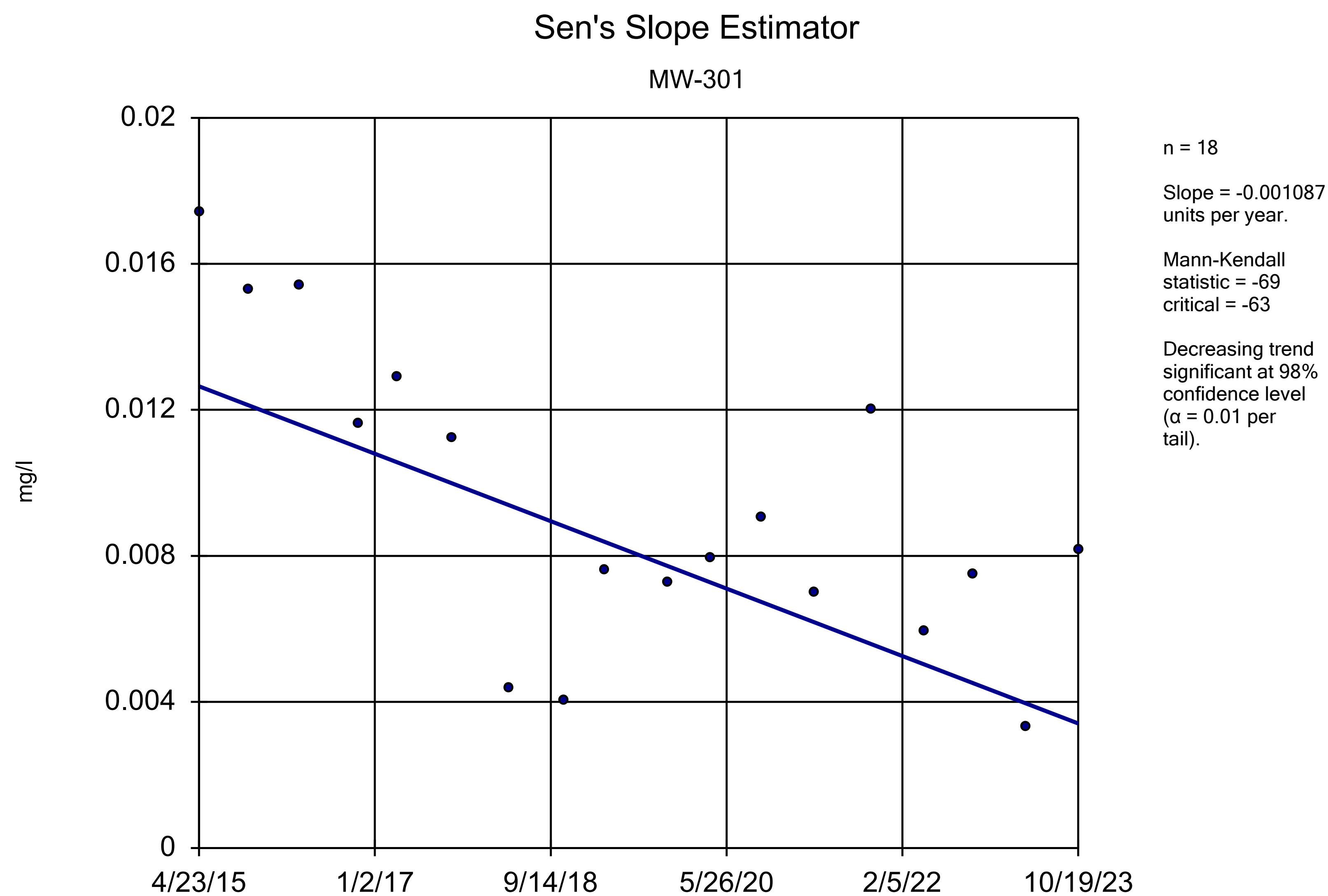
Slope = 0.0009535
units per year.

Mann-Kendall
statistic = 56
critical = 53

Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Nickel   Analysis Run 11/20/2023 10:01 AM   View: App I_Metals

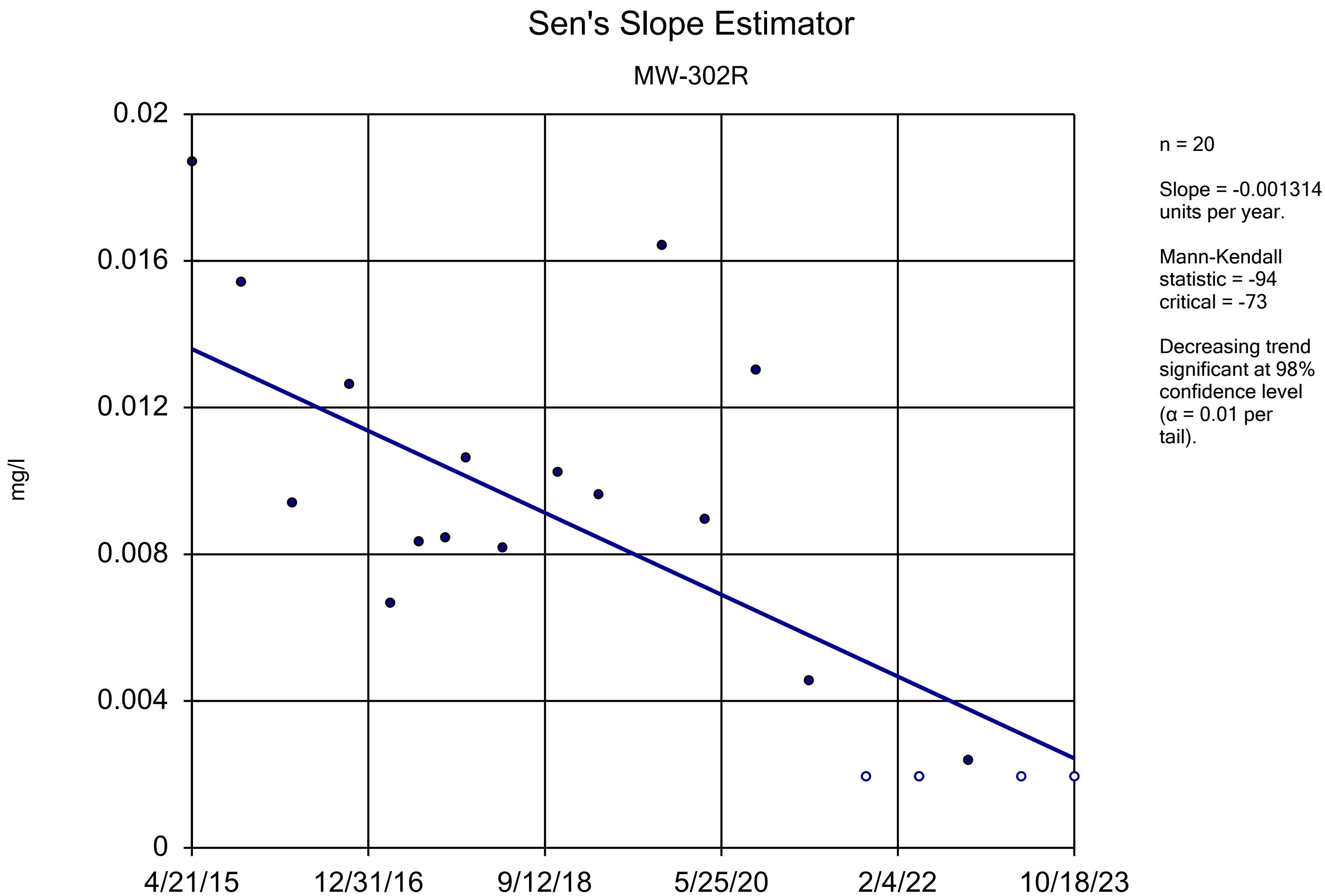
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database



Constituent: Nickel Analysis Run 11/20/2023 10:01 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

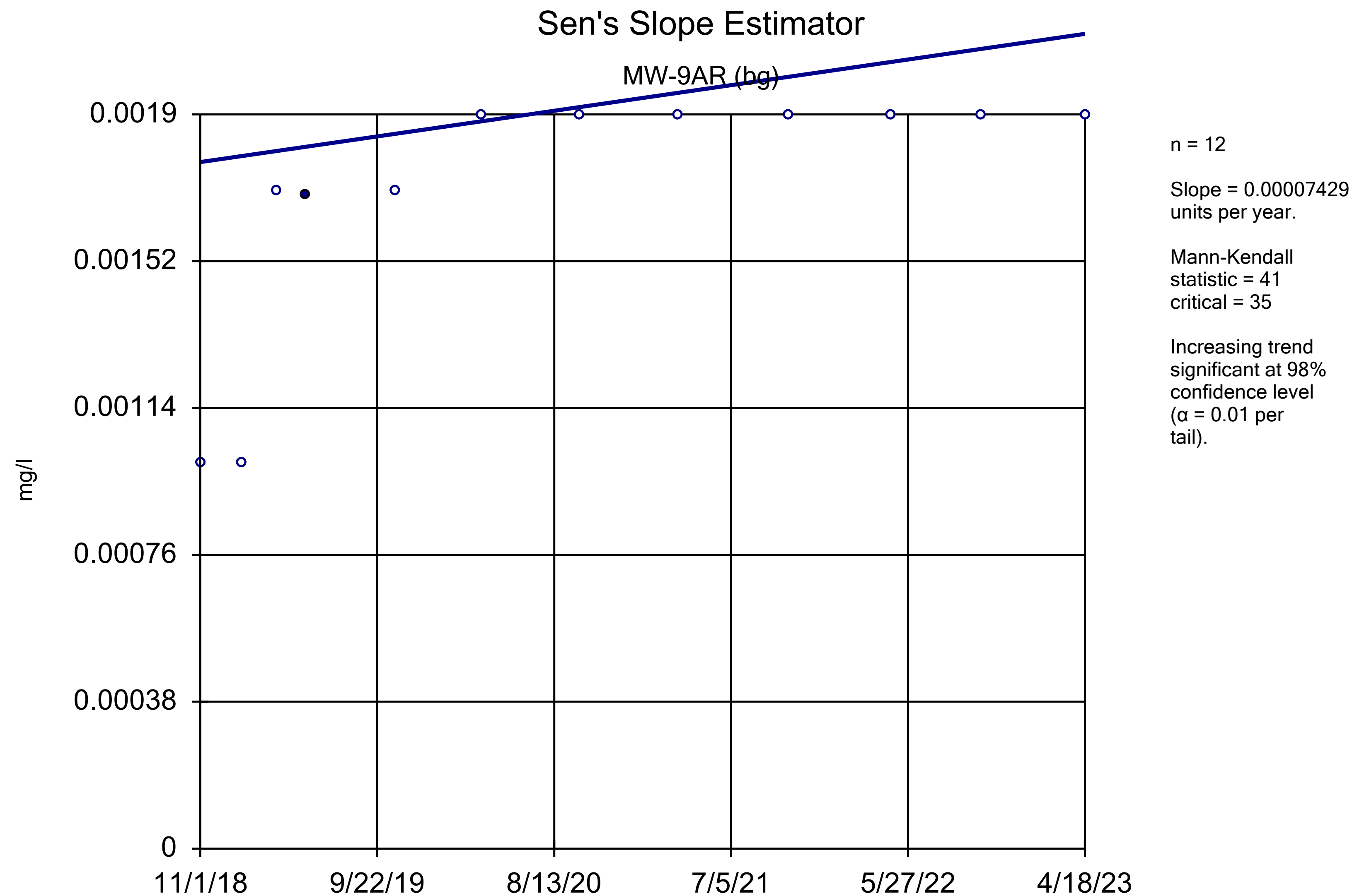
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Nickel Analysis Run 11/20/2023 10:01 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



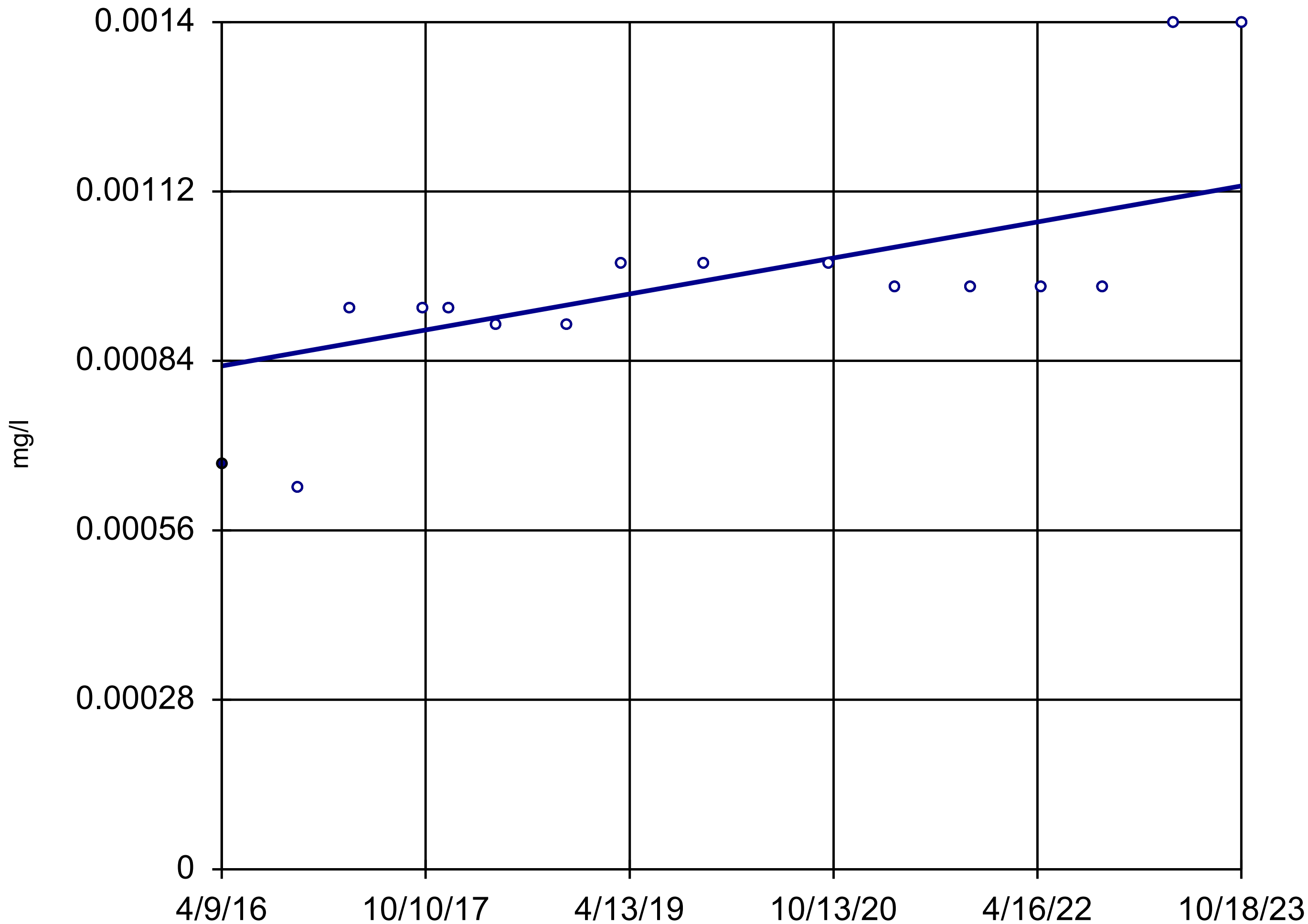
Constituent: Nickel   Analysis Run 11/20/2023 10:02 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-15



n = 16

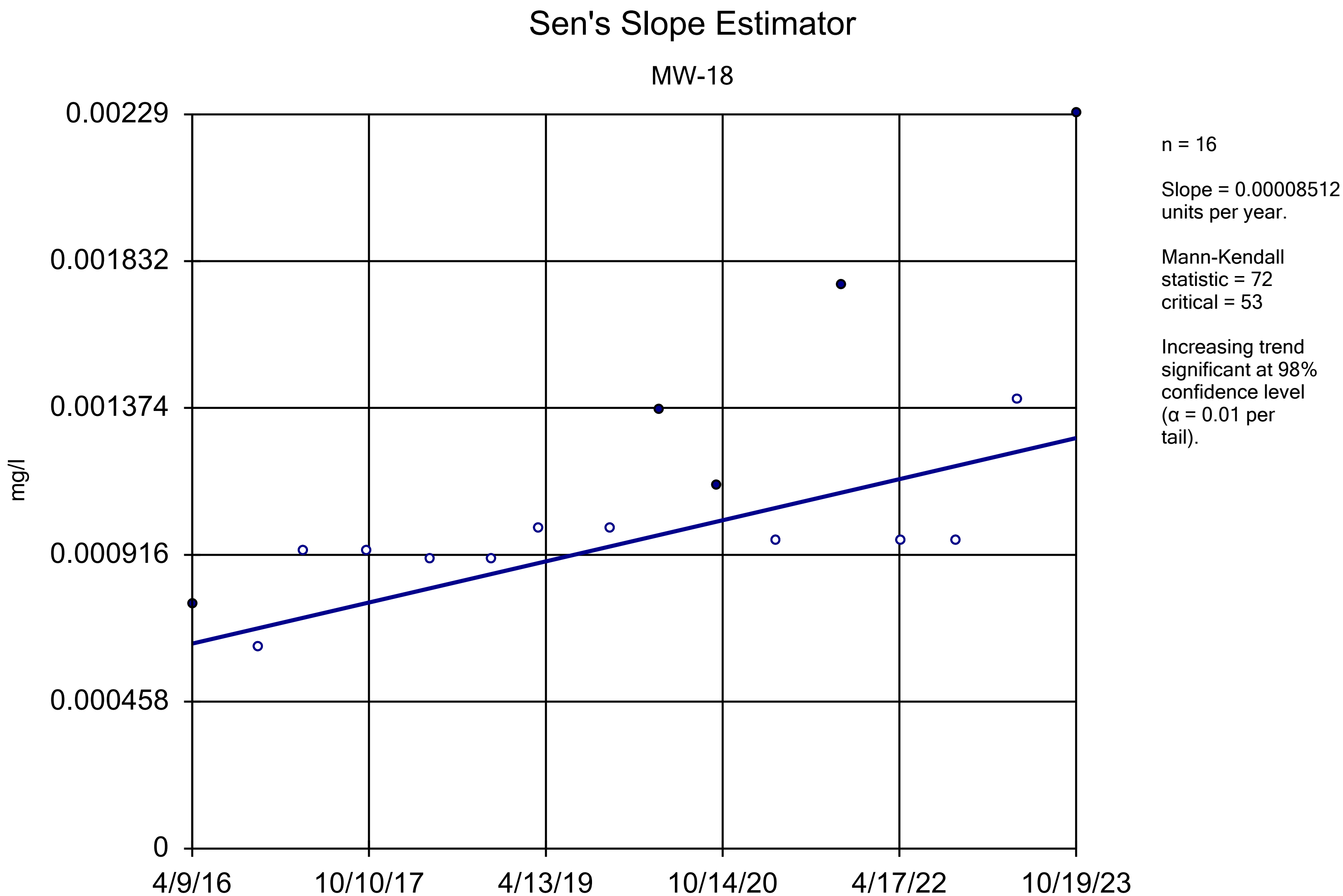
Slope = 0.00003949
units per year.

Mann-Kendall
statistic = 68
critical = 53

Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Selenium   Analysis Run 11/20/2023 10:02 AM   View: App I_Metals
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

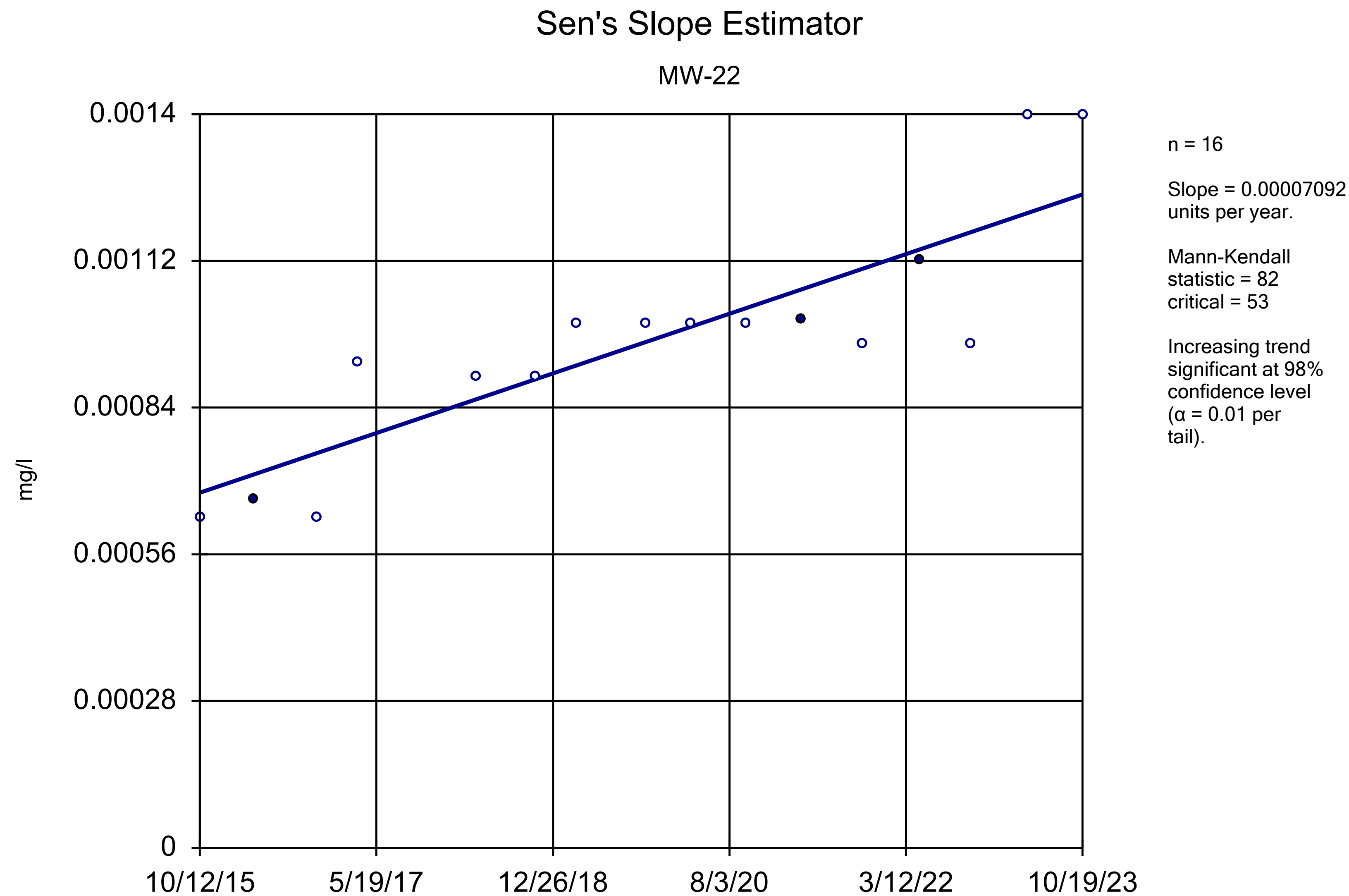
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Selenium   Analysis Run 11/20/2023 10:02 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

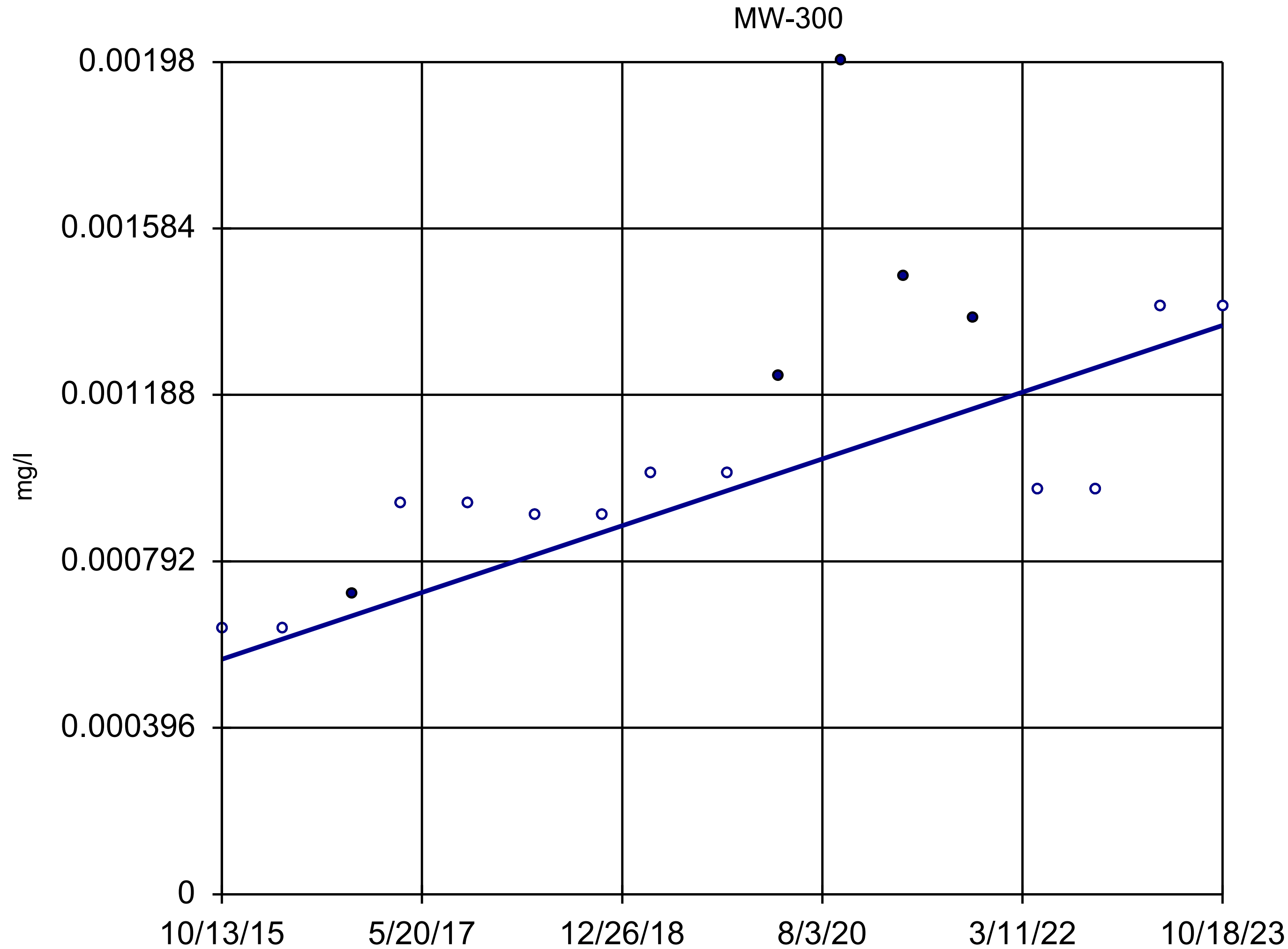
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Selenium Analysis Run 11/20/2023 10:02 AM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator



n = 17

Slope = 0.000099 units per year.

Mann-Kendall statistic = 84 critical = 58

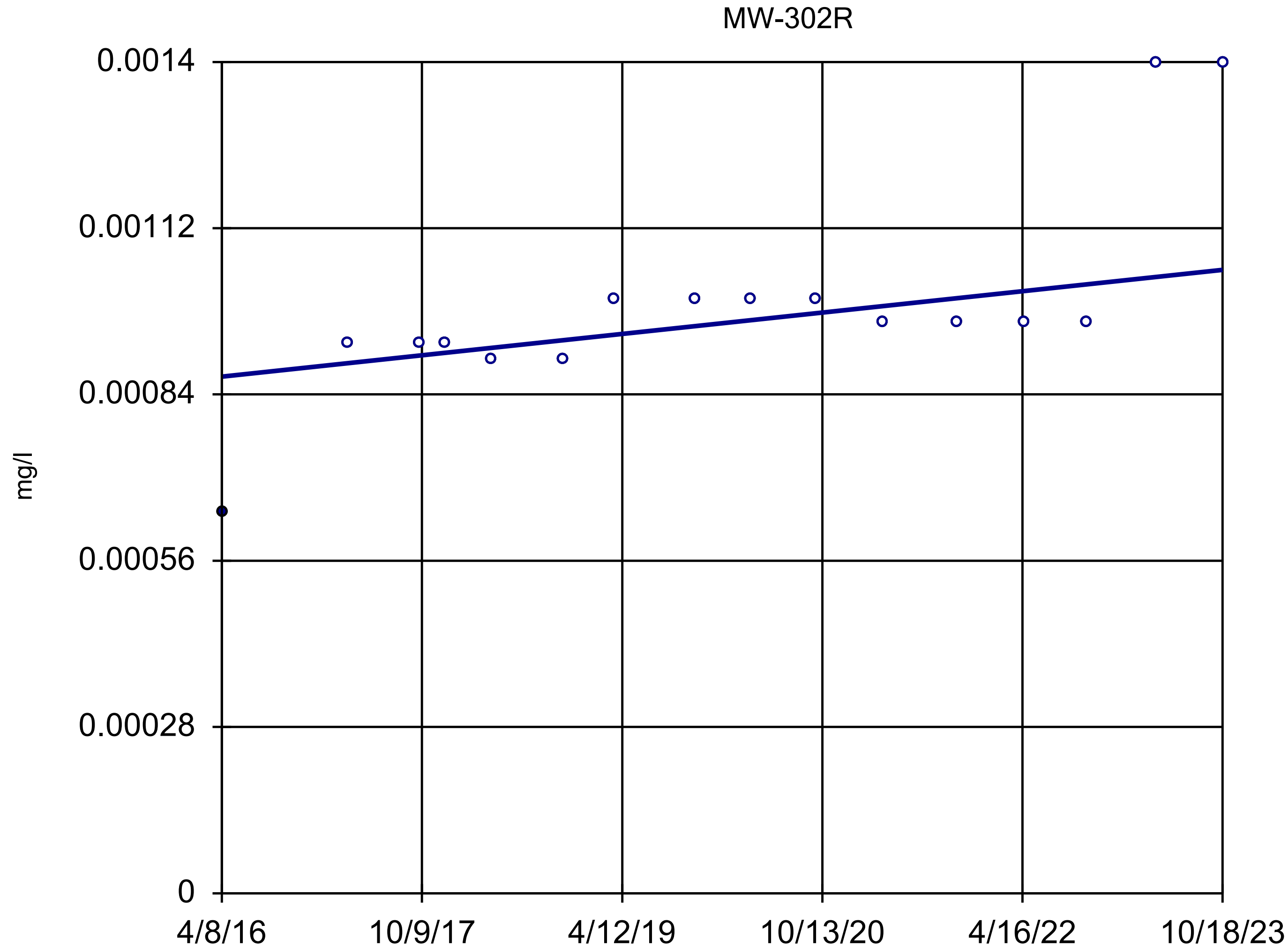
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium   Analysis Run 11/20/2023 10:02 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator



n = 16

Slope = 0.00002392 units per year.

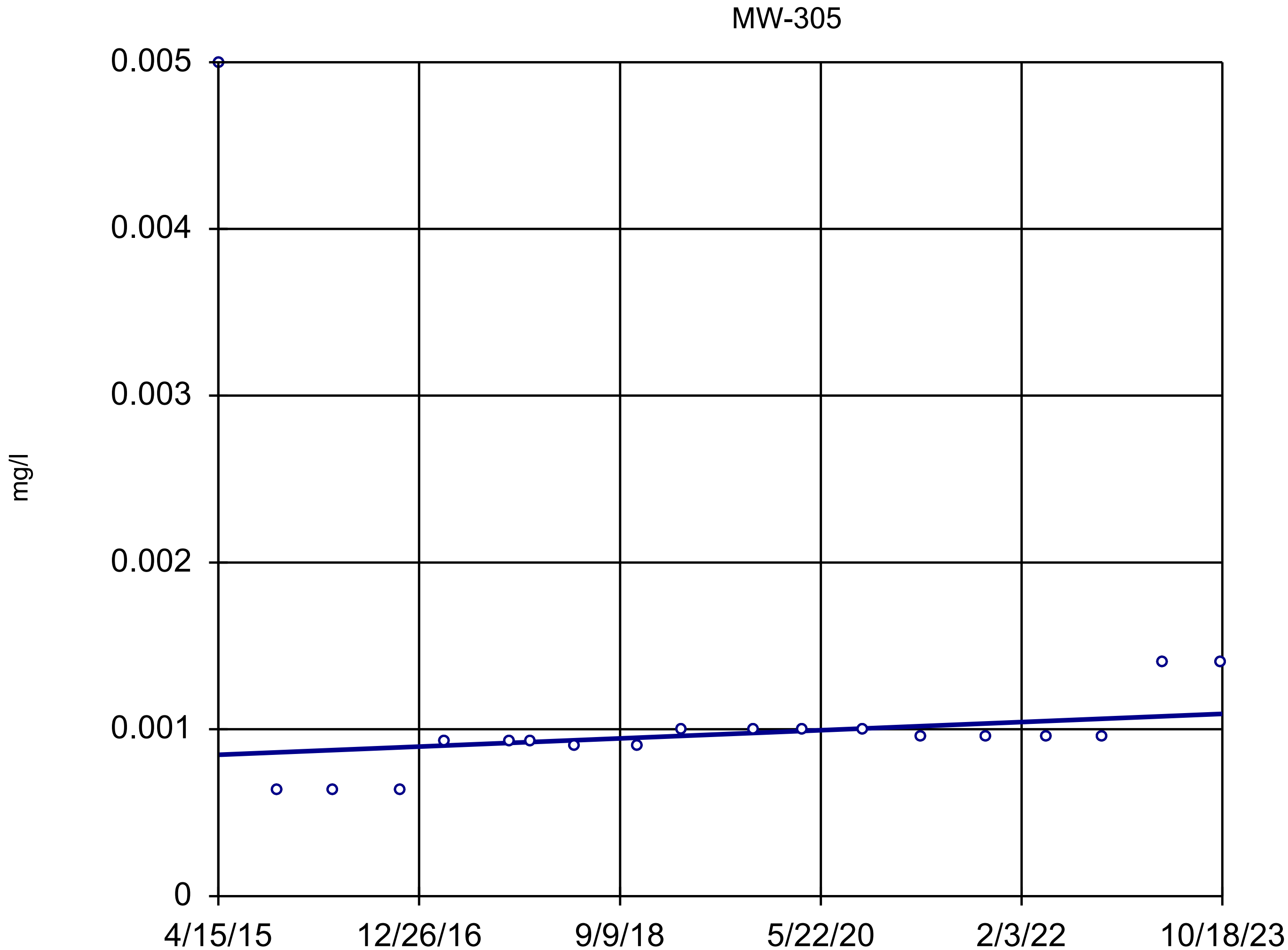
Mann-Kendall statistic = 59 critical = 53

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium   Analysis Run 11/20/2023 10:02 AM   View: App I_Metals
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator



n = 19

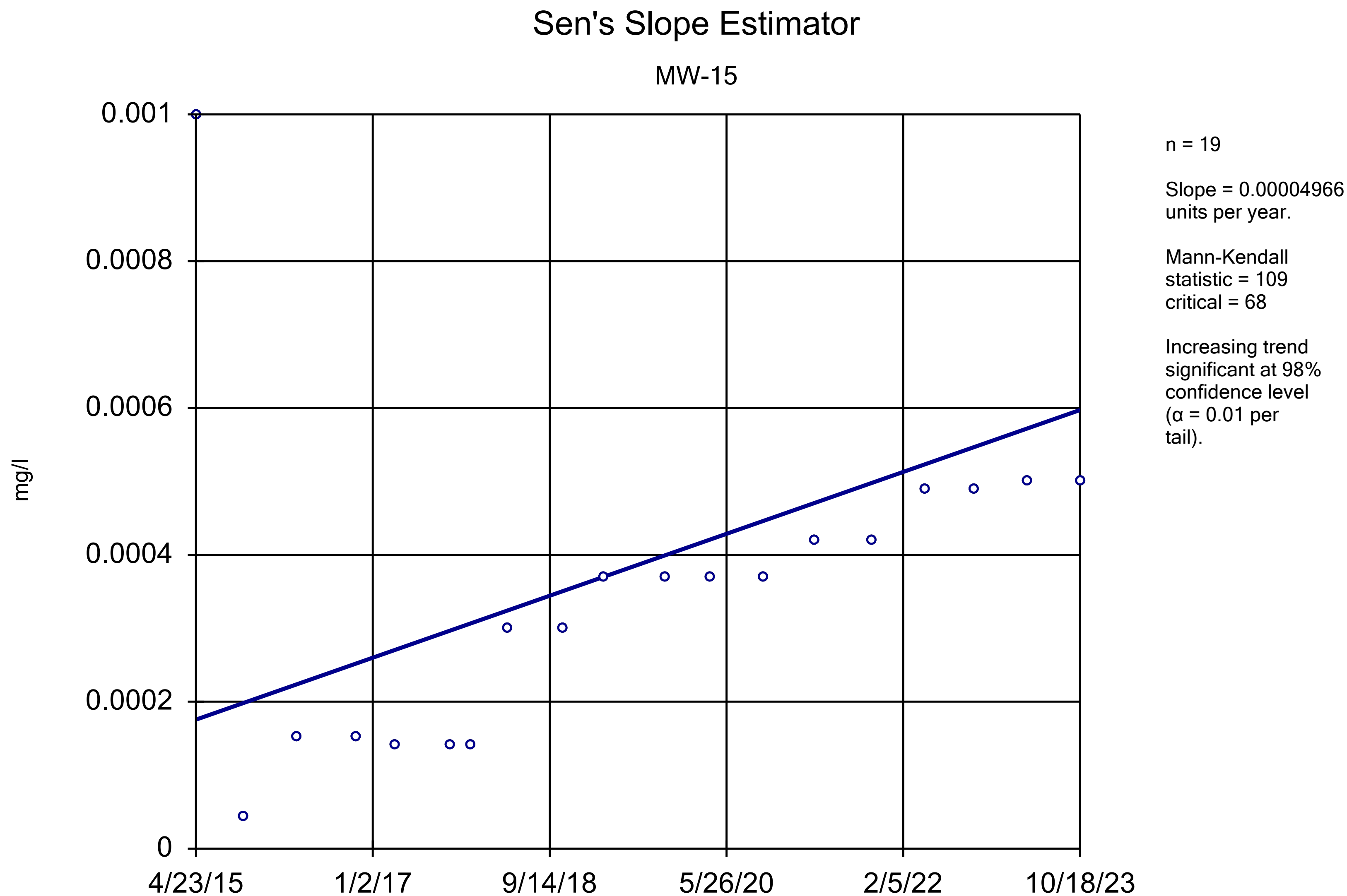
Slope = 0.00002888
units per year.

Mann-Kendall
statistic = 71
critical = 68

Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Selenium   Analysis Run 11/20/2023 10:02 AM   View: App I_Metals
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

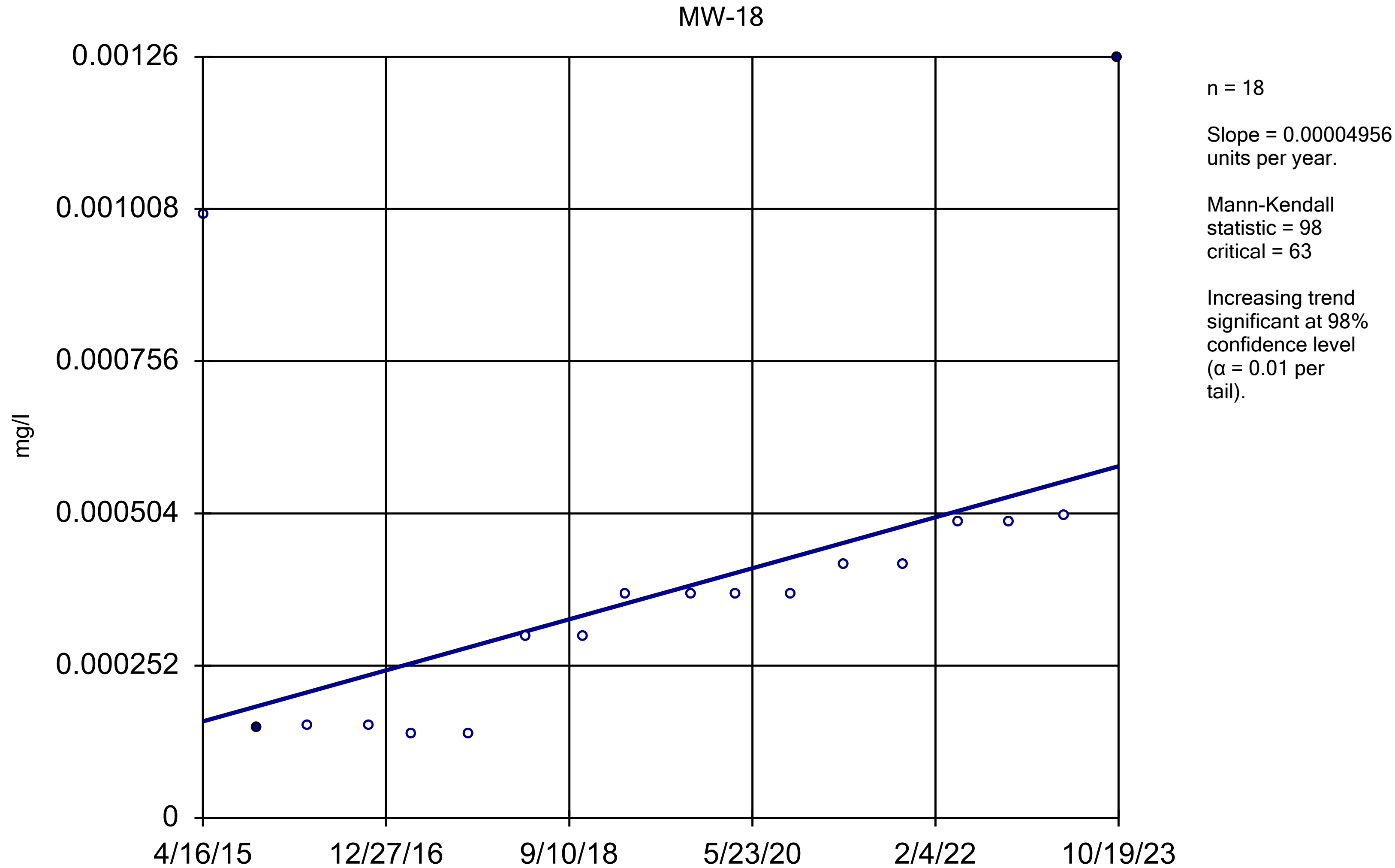


Constituent: Silver   Analysis Run 11/20/2023 10:02 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

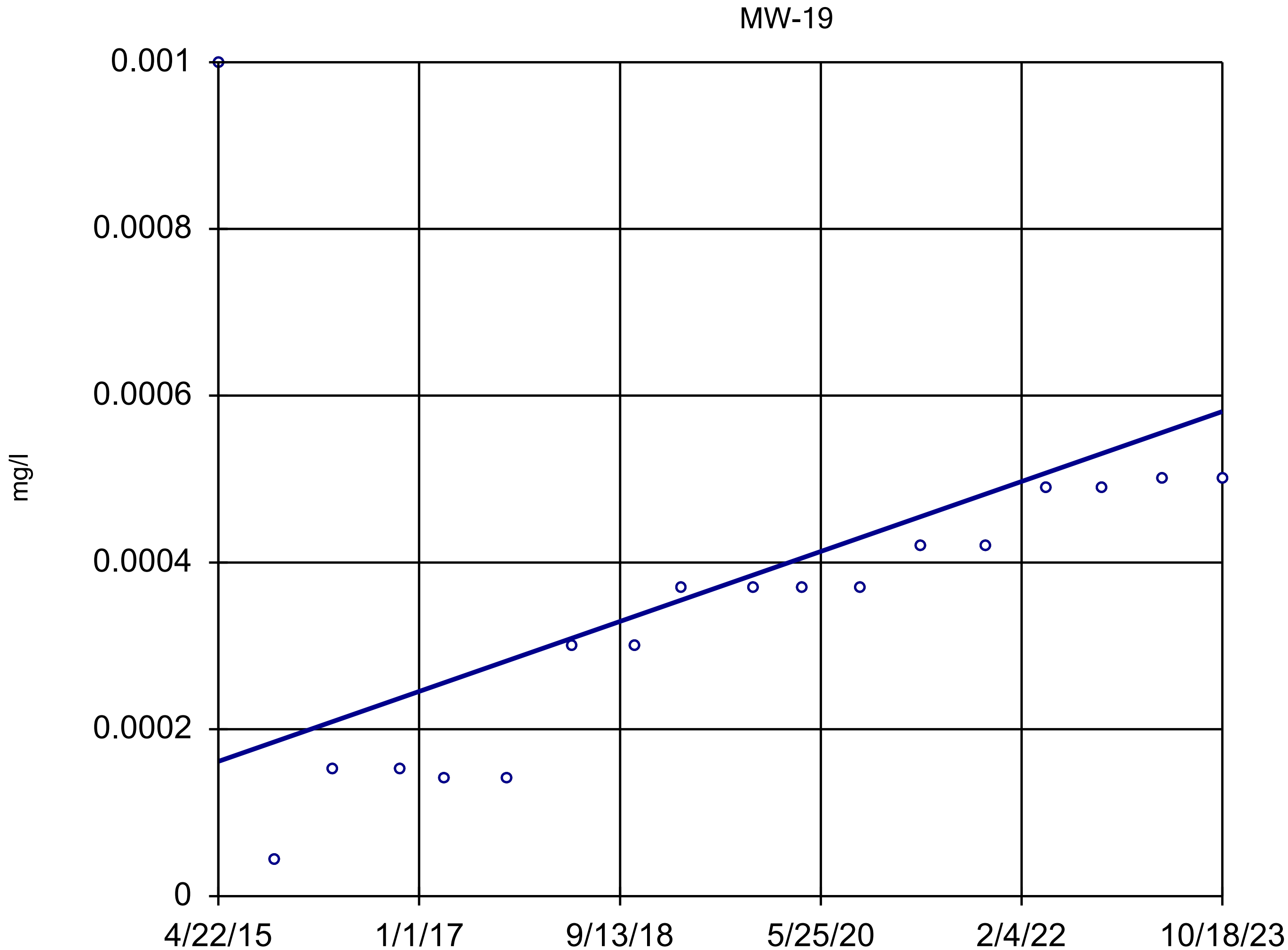


Constituent: Silver Analysis Run 11/20/2023 10:02 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator



n = 18

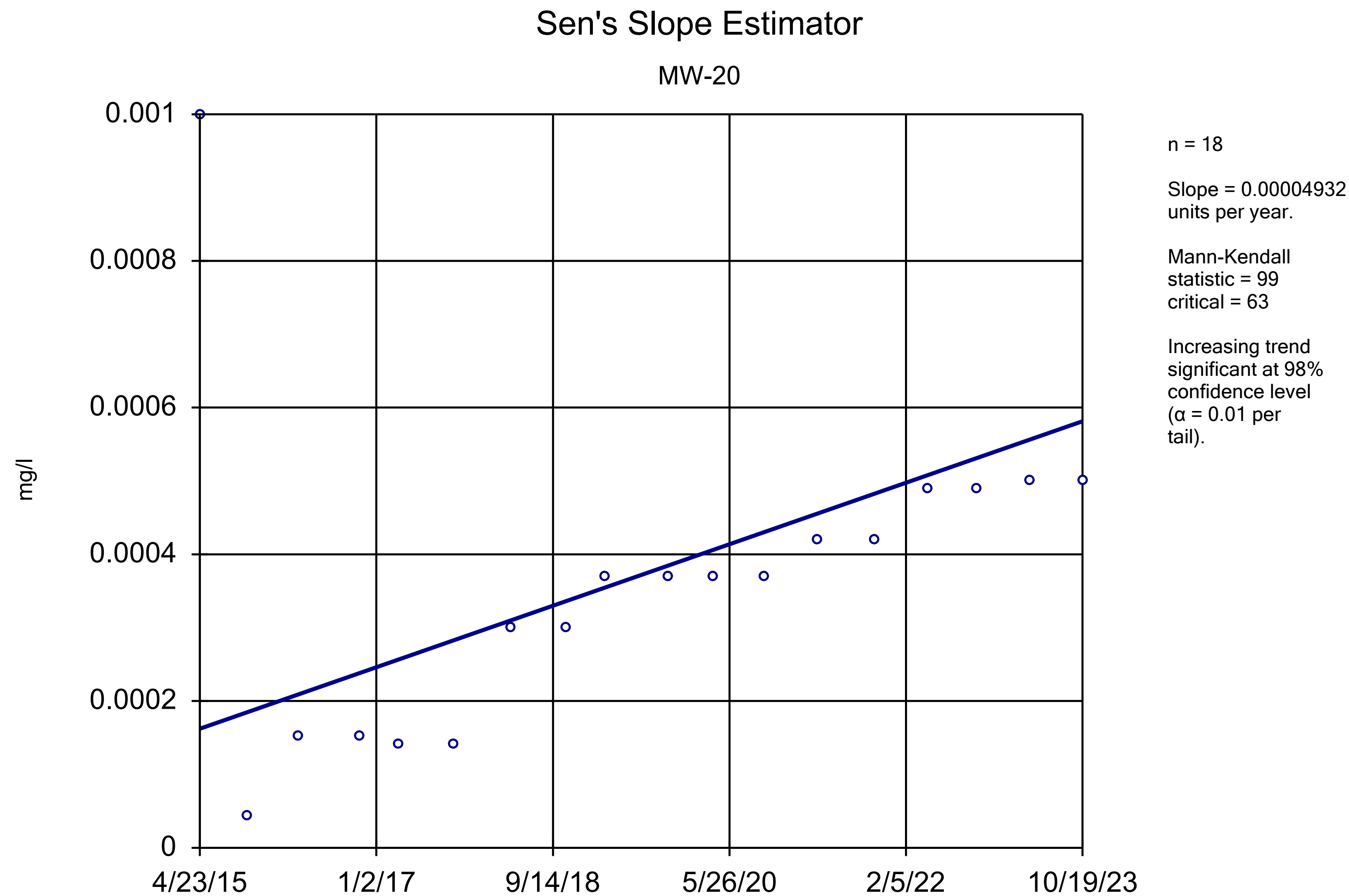
Slope = 0.00004936
units per year.

Mann-Kendall
statistic = 99
critical = 63

Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Silver Analysis Run 11/20/2023 10:02 AM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

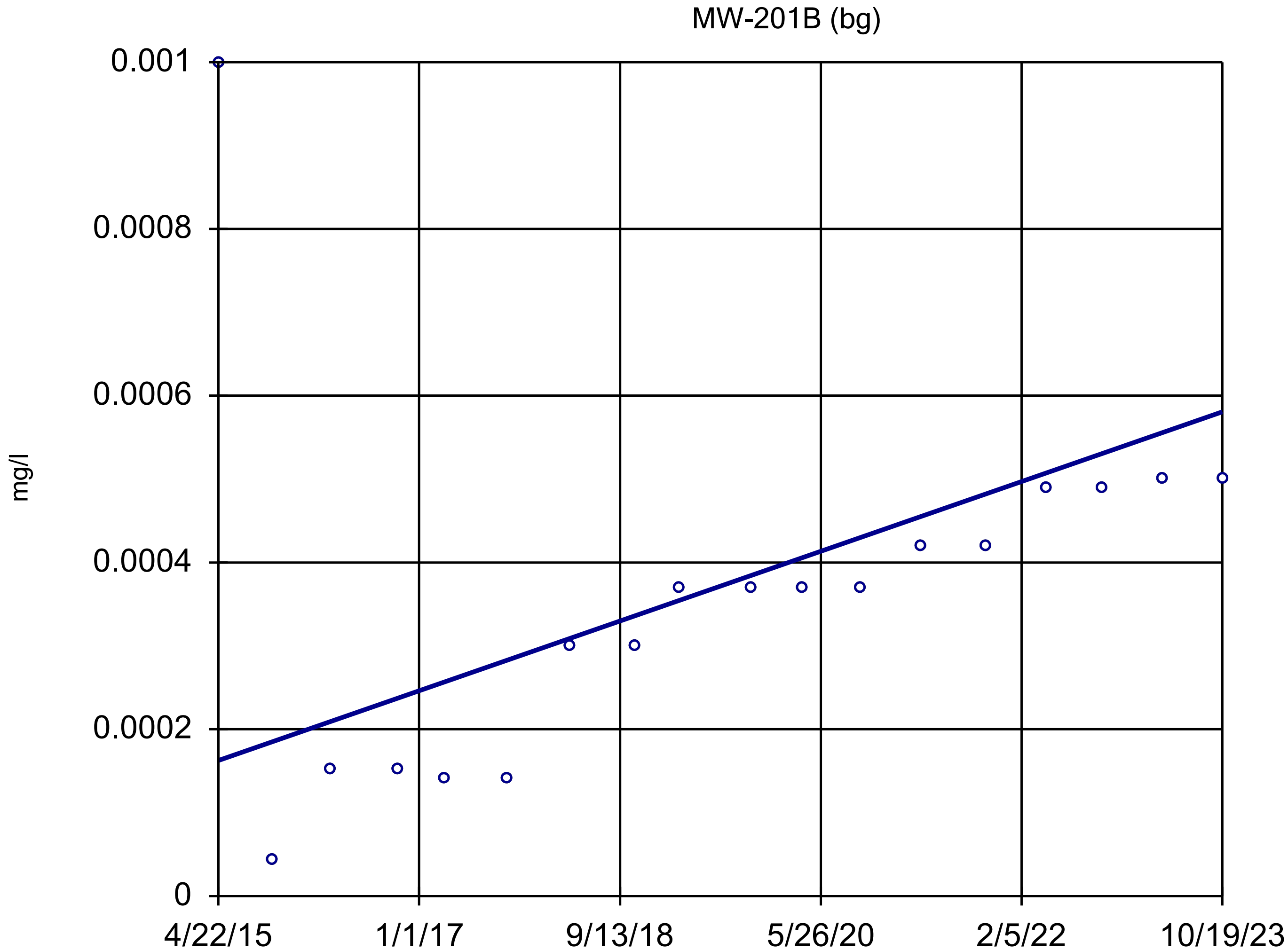
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Silver Analysis Run 11/20/2023 10:02 AM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator



n = 18

Slope = 0.0000492
units per year.

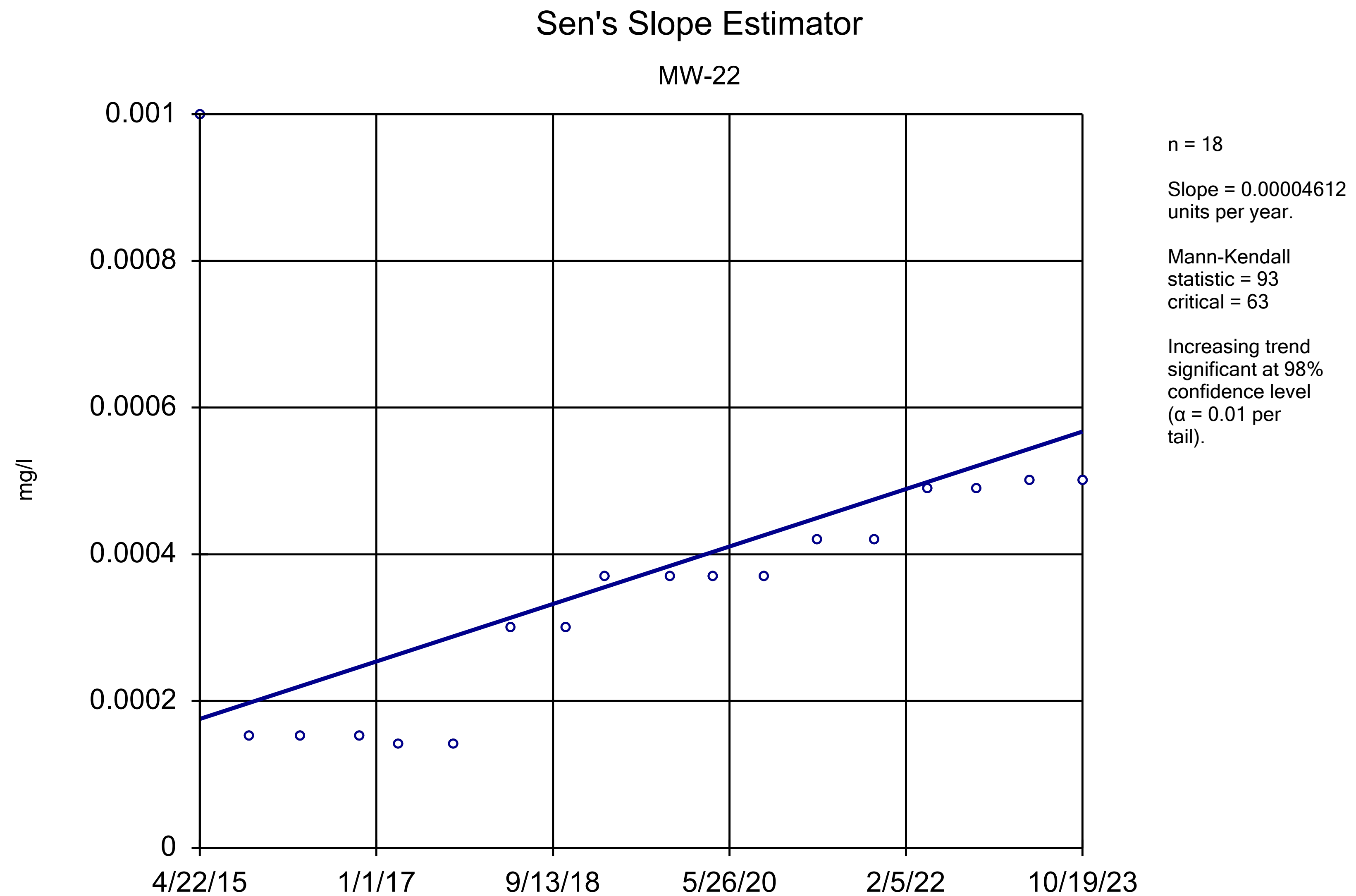
Mann-Kendall
statistic = 99
critical = 63

Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Silver   Analysis Run 11/20/2023 10:02 AM   View: App I_Metals

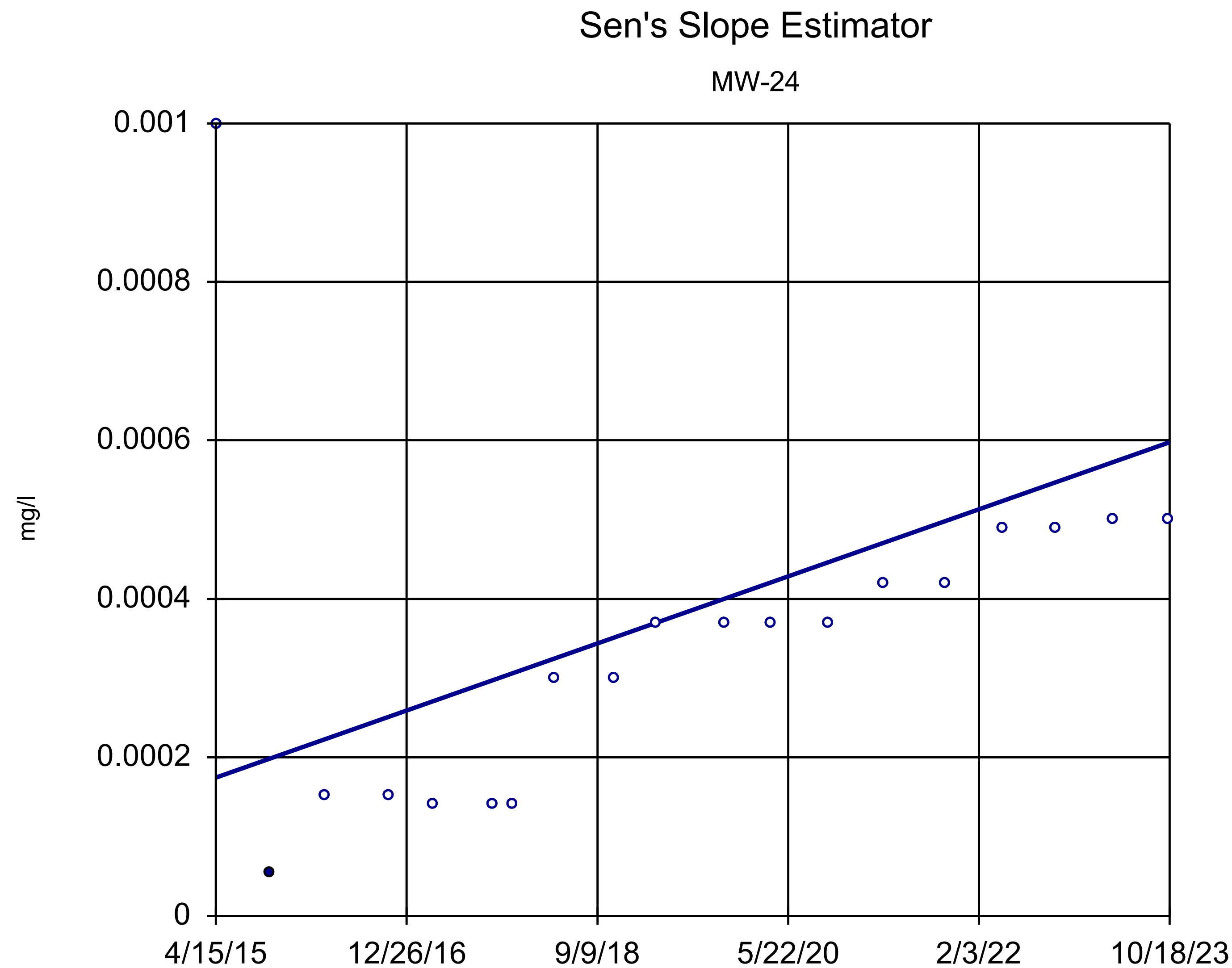
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Silver Analysis Run 11/20/2023 10:02 AM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



n = 19

Slope = 0.00004972 units per year.

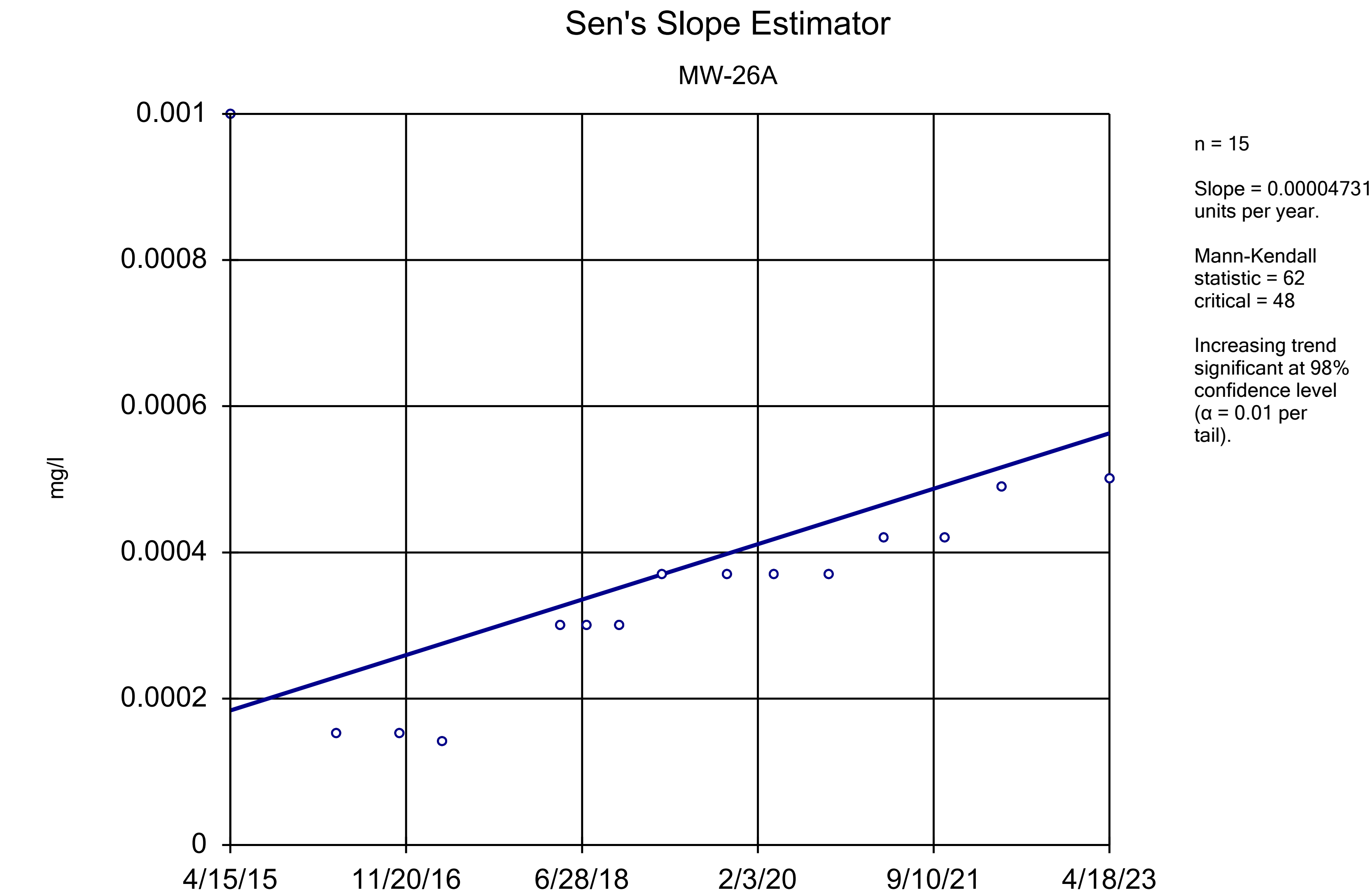
Mann-Kendall statistic = 109 critical = 68

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Silver   Analysis Run 11/20/2023 10:02 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

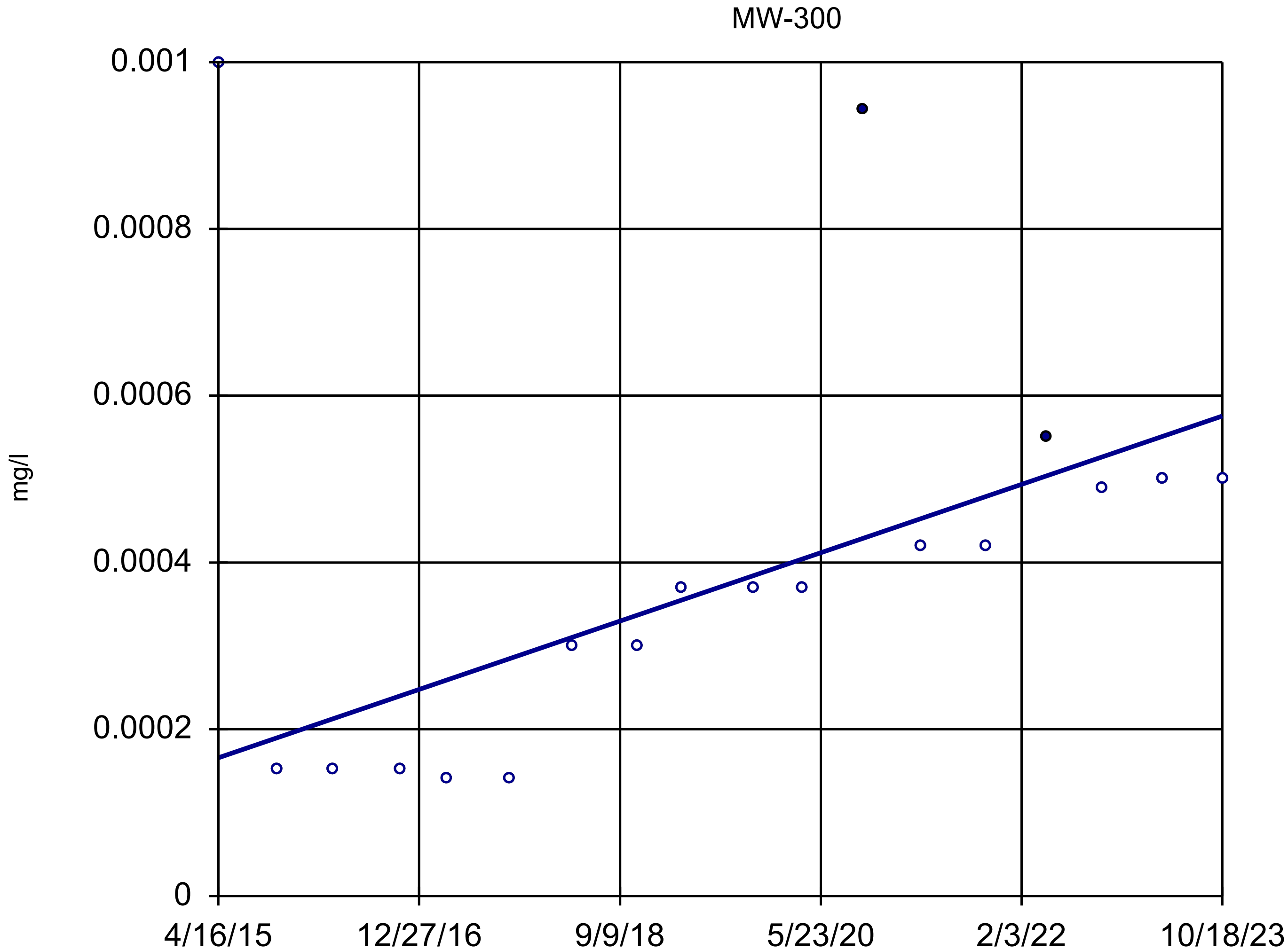


Constituent: Silver Analysis Run 11/20/2023 10:02 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator



n = 18

Slope = 0.00004812
units per year.

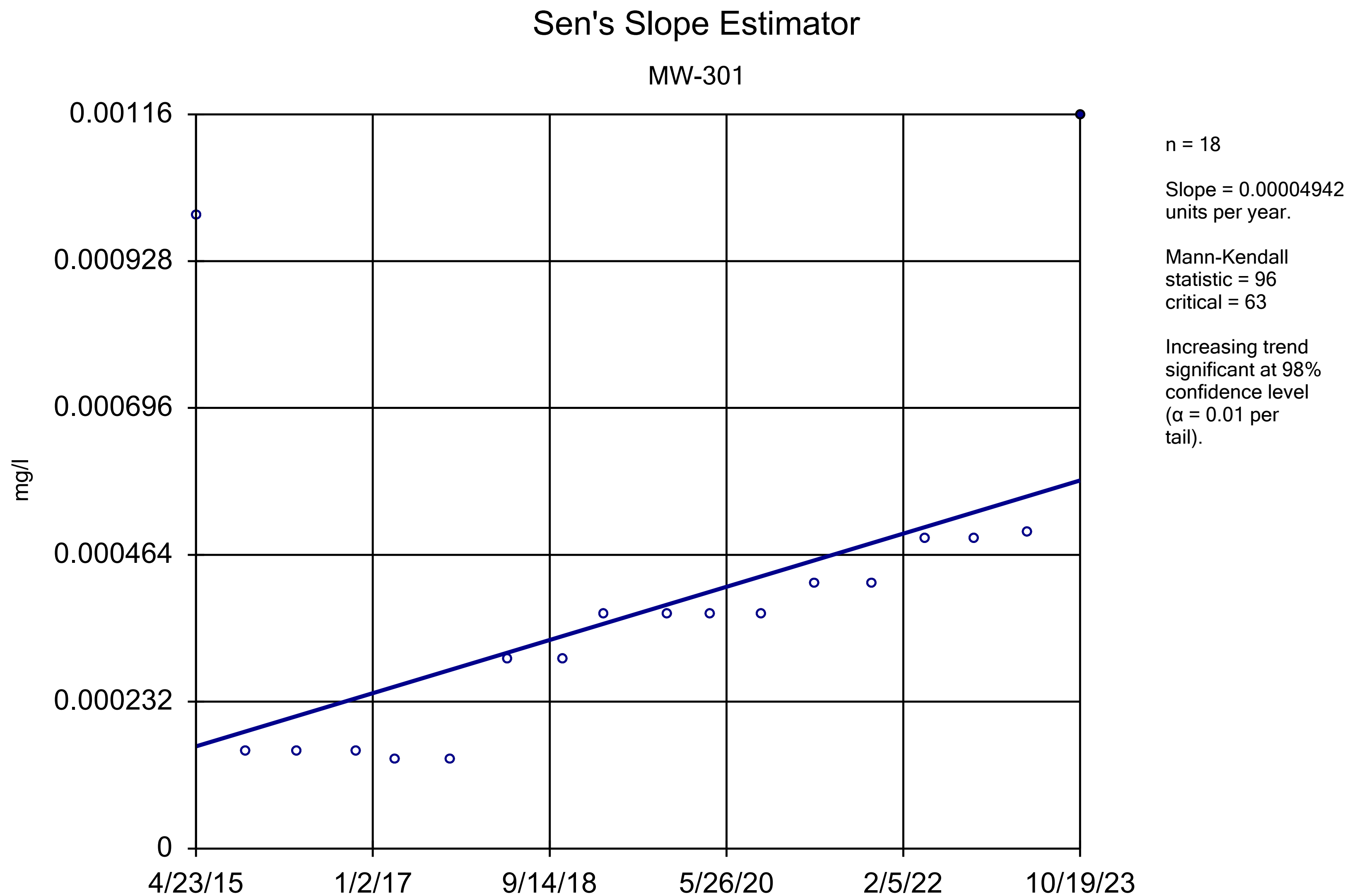
Mann-Kendall
statistic = 79
critical = 63

Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

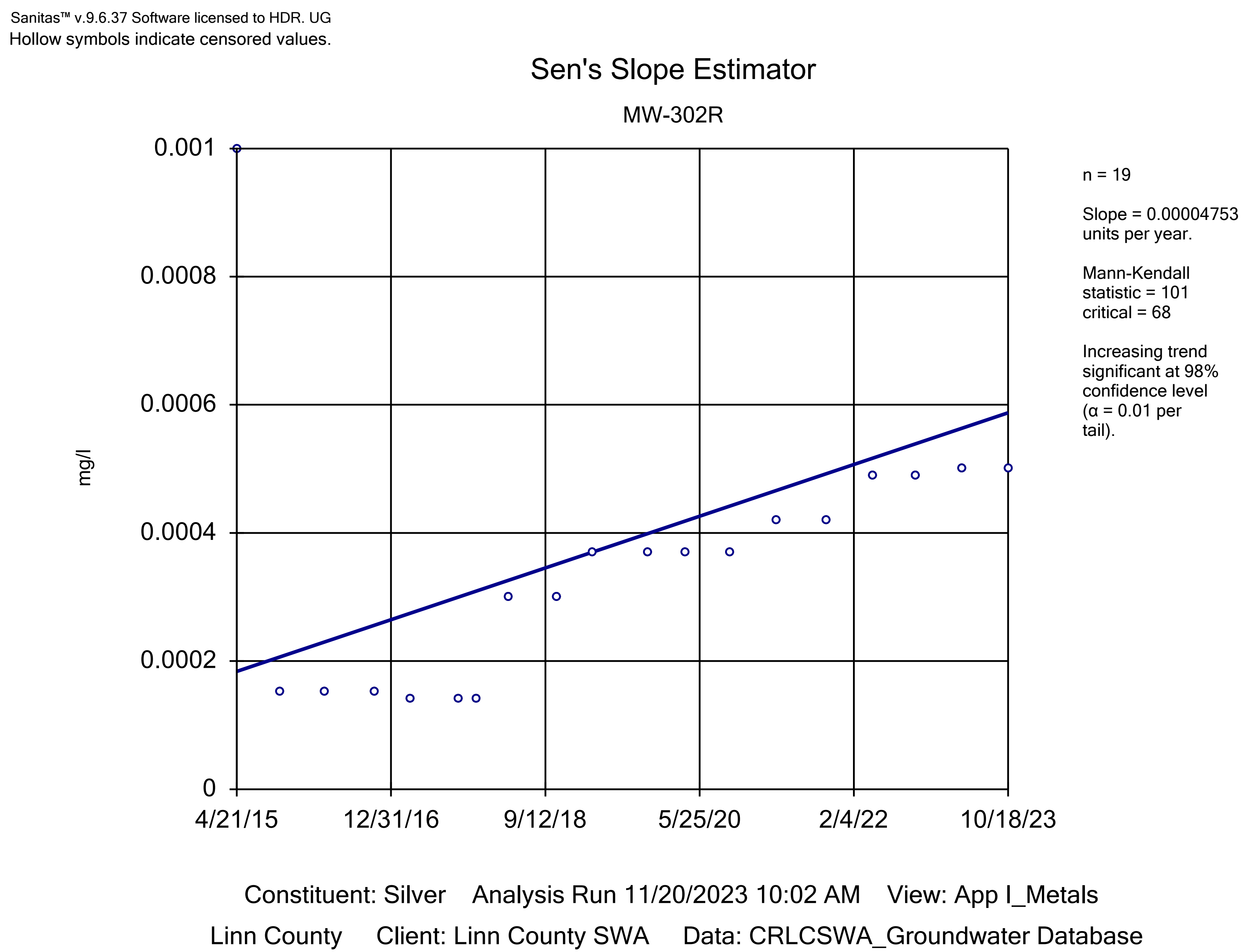
Constituent: Silver   Analysis Run 11/20/2023 10:02 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Silver Analysis Run 11/20/2023 10:02 AM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

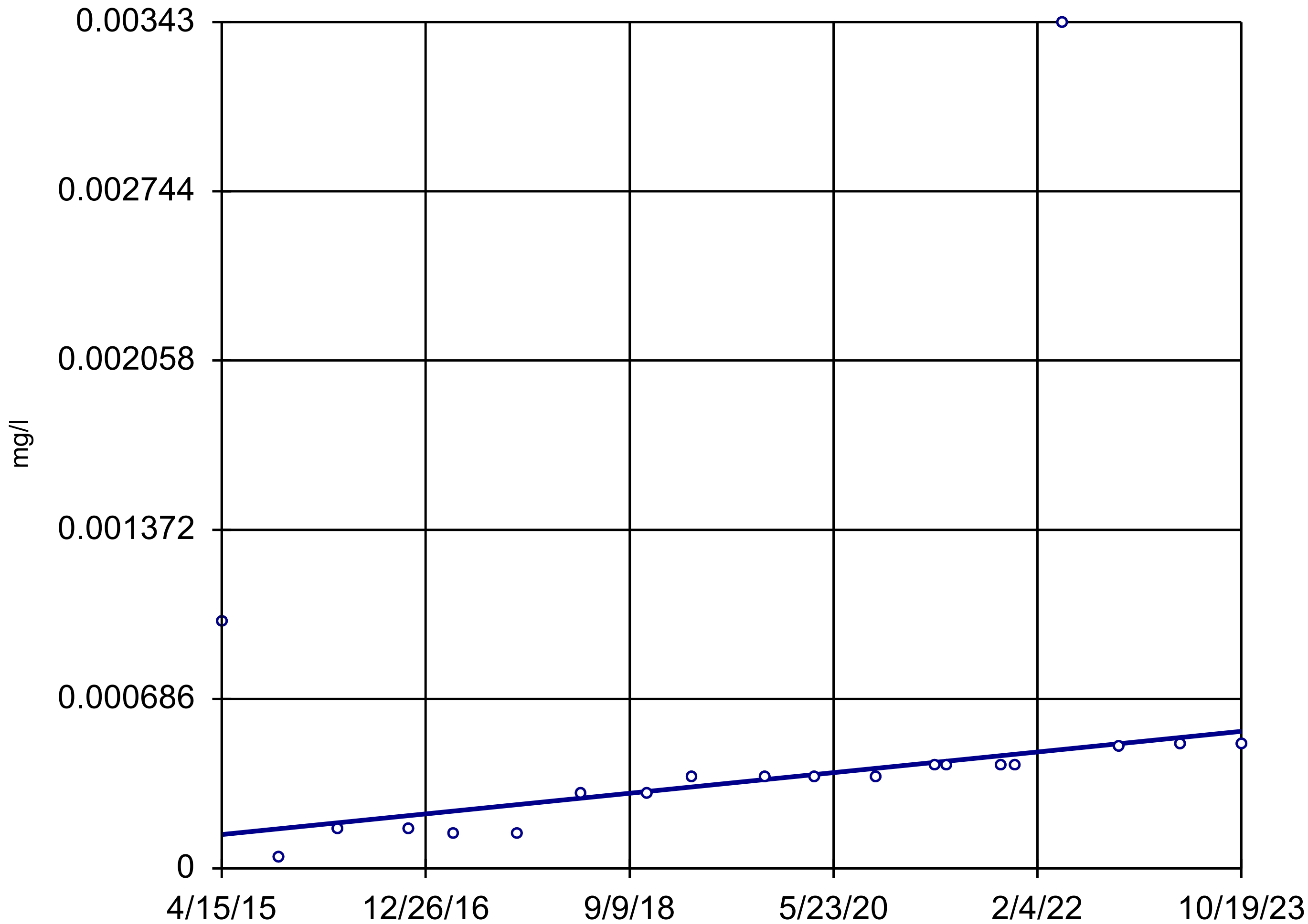


Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.
Sen's Slope Estimator
MW-302R
0.001
0.0008
0.0006
0.0004
0.0002
0
mg/l
4/21/15
12/31/16
9/12/18
5/25/20
2/4/22
10/18/23
n = 19
Slope = 0.00004753 units per year.
Mann-Kendall statistic = 101 critical = 68
Increasing trend significant at 98% confidence level (α = 0.01 per tail).
Constituent: Silver Analysis Run 11/20/2023 10:02 AM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-303



n = 20

Slope = 0.00004905
units per year.

Mann-Kendall
statistic = 124
critical = 73

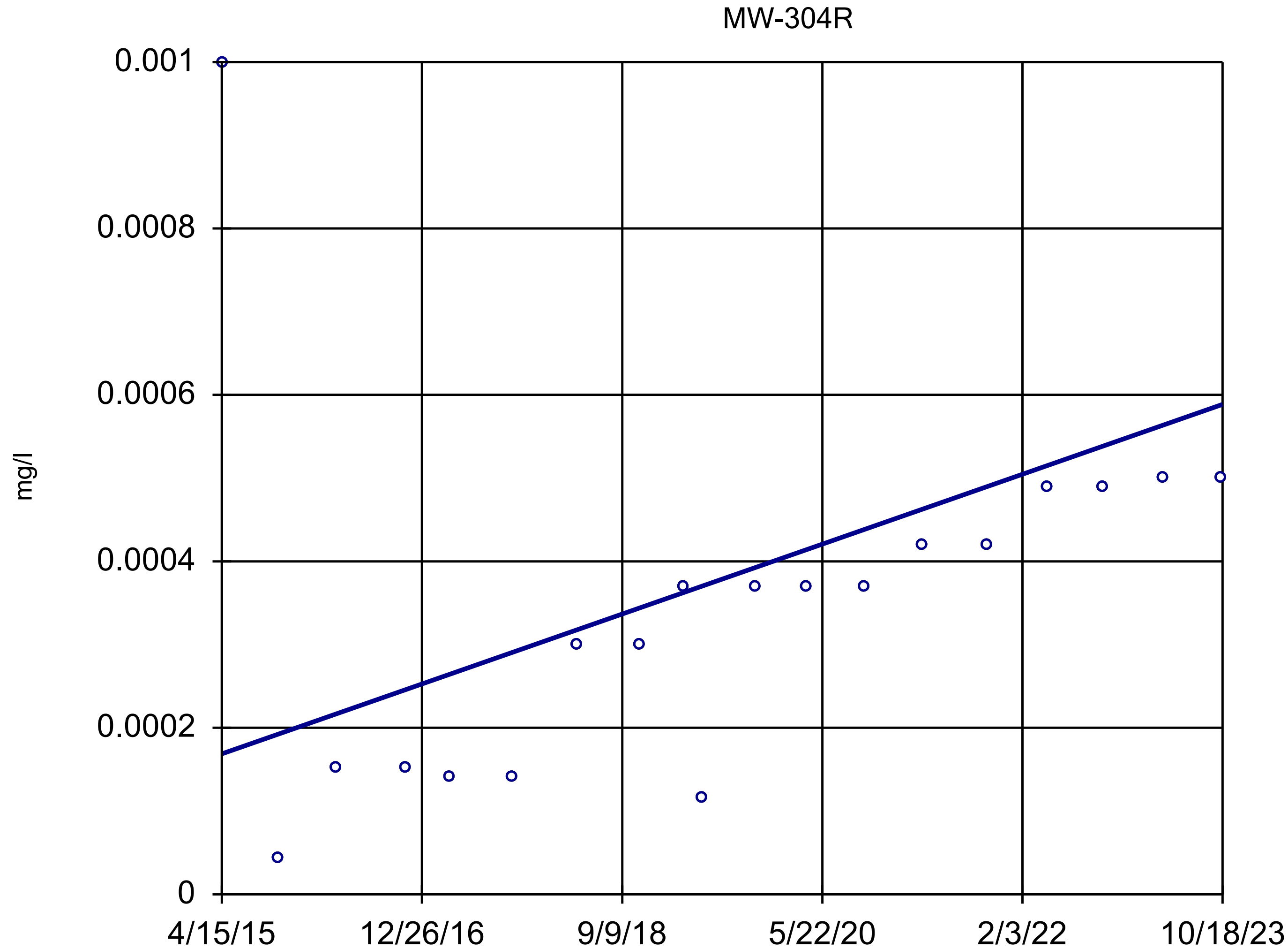
Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Silver   Analysis Run 11/20/2023 10:02 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator



n = 19

Slope = 0.00004934
units per year.

Mann-Kendall
statistic = 101
critical = 68

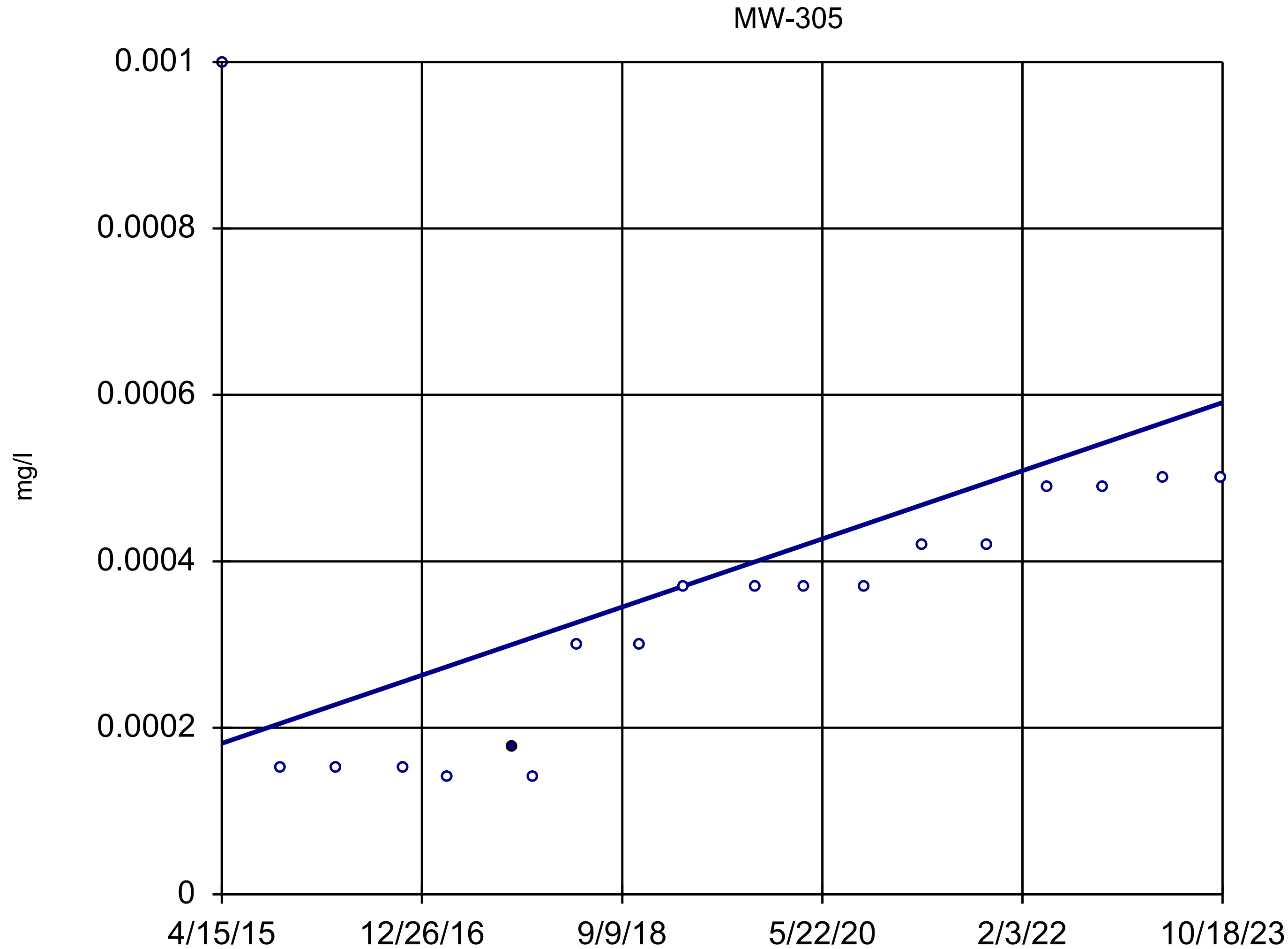
Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Silver   Analysis Run 11/20/2023 10:02 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator



n = 19

Slope = 0.00004808
units per year.

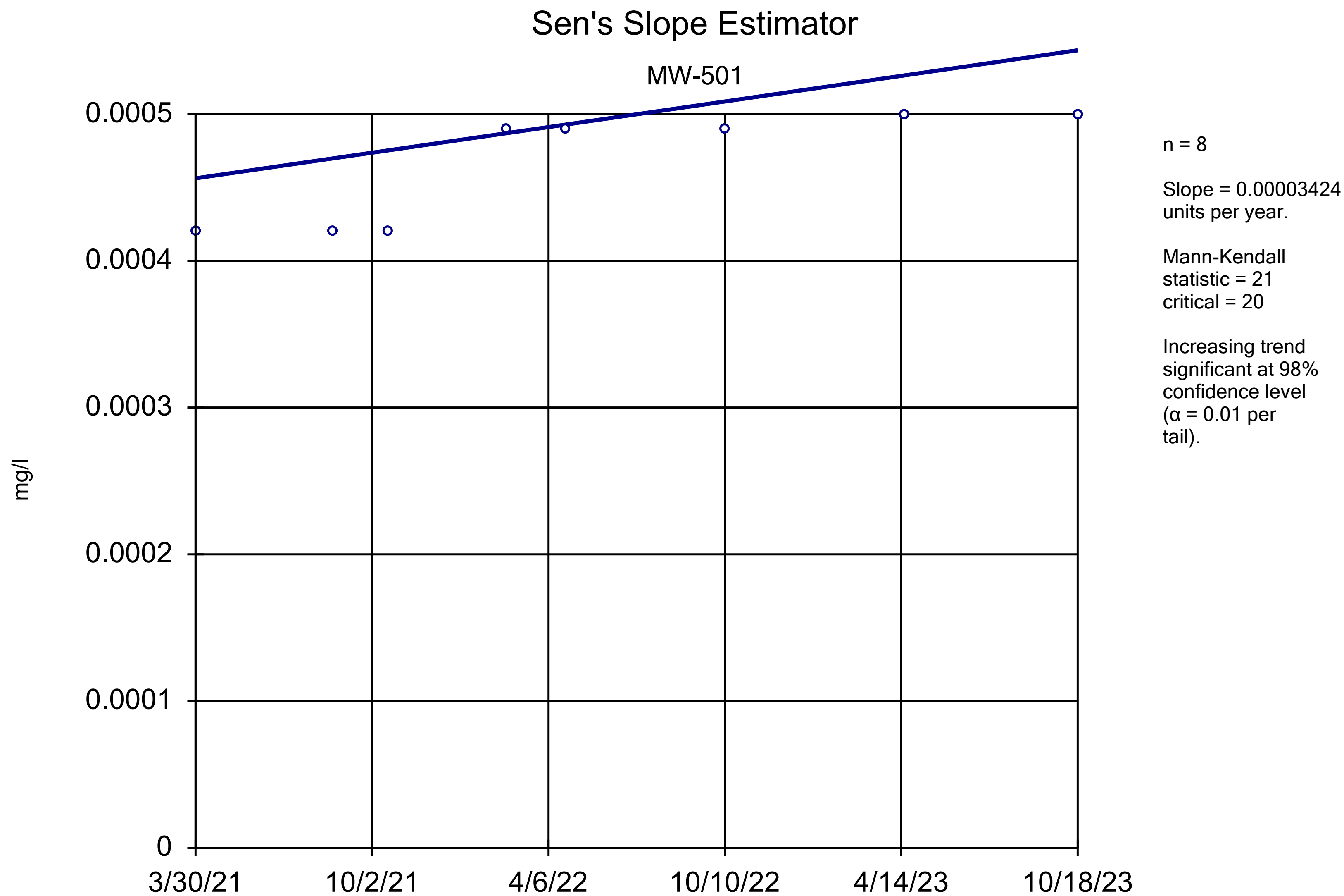
Mann-Kendall
statistic = 107
critical = 68

Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Silver   Analysis Run 11/20/2023 10:02 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

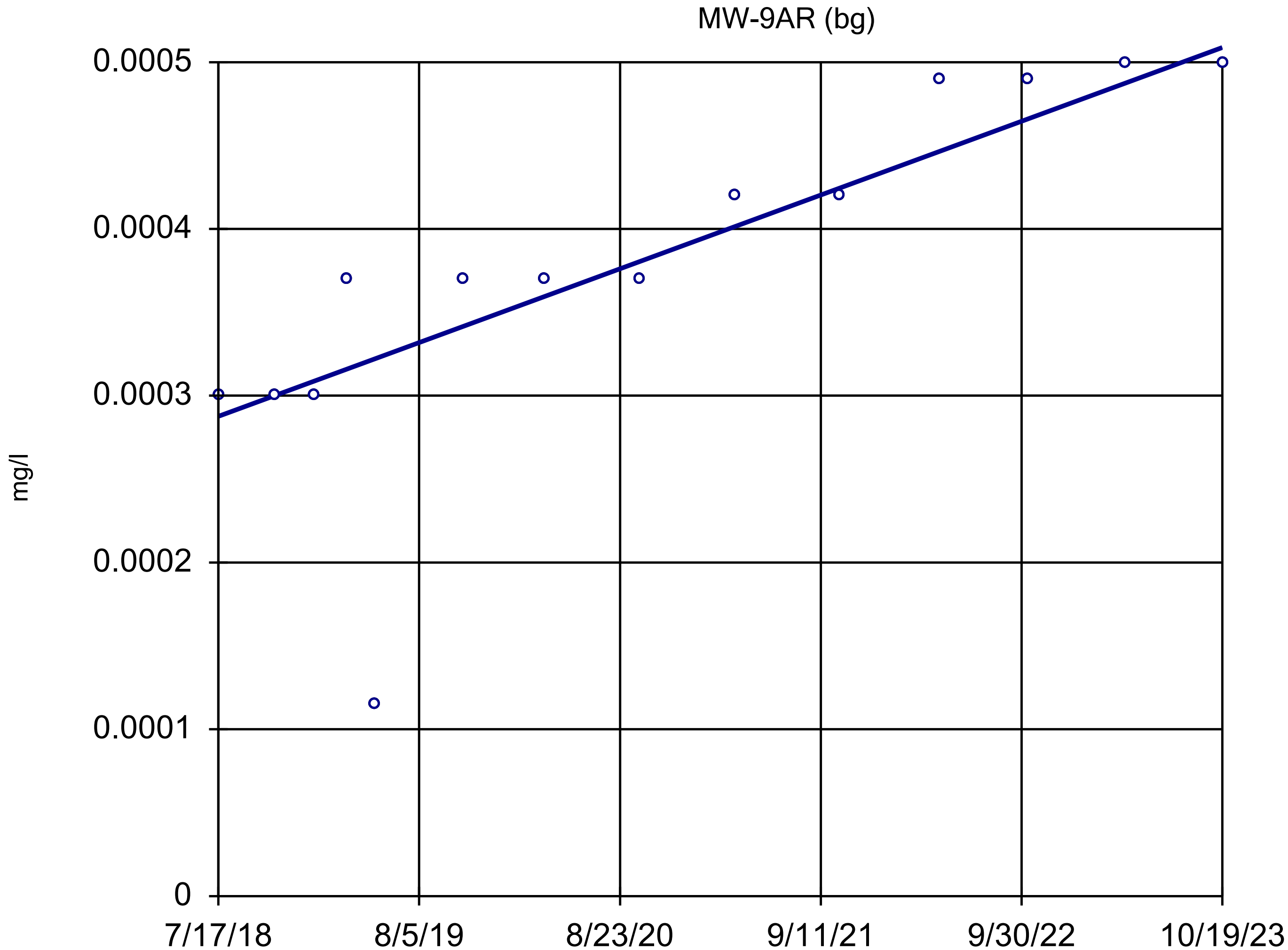
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Silver Analysis Run 11/20/2023 10:02 AM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator



n = 14

Slope = 0.00004205
units per year.

Mann-Kendall
statistic = 71
critical = 44

Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

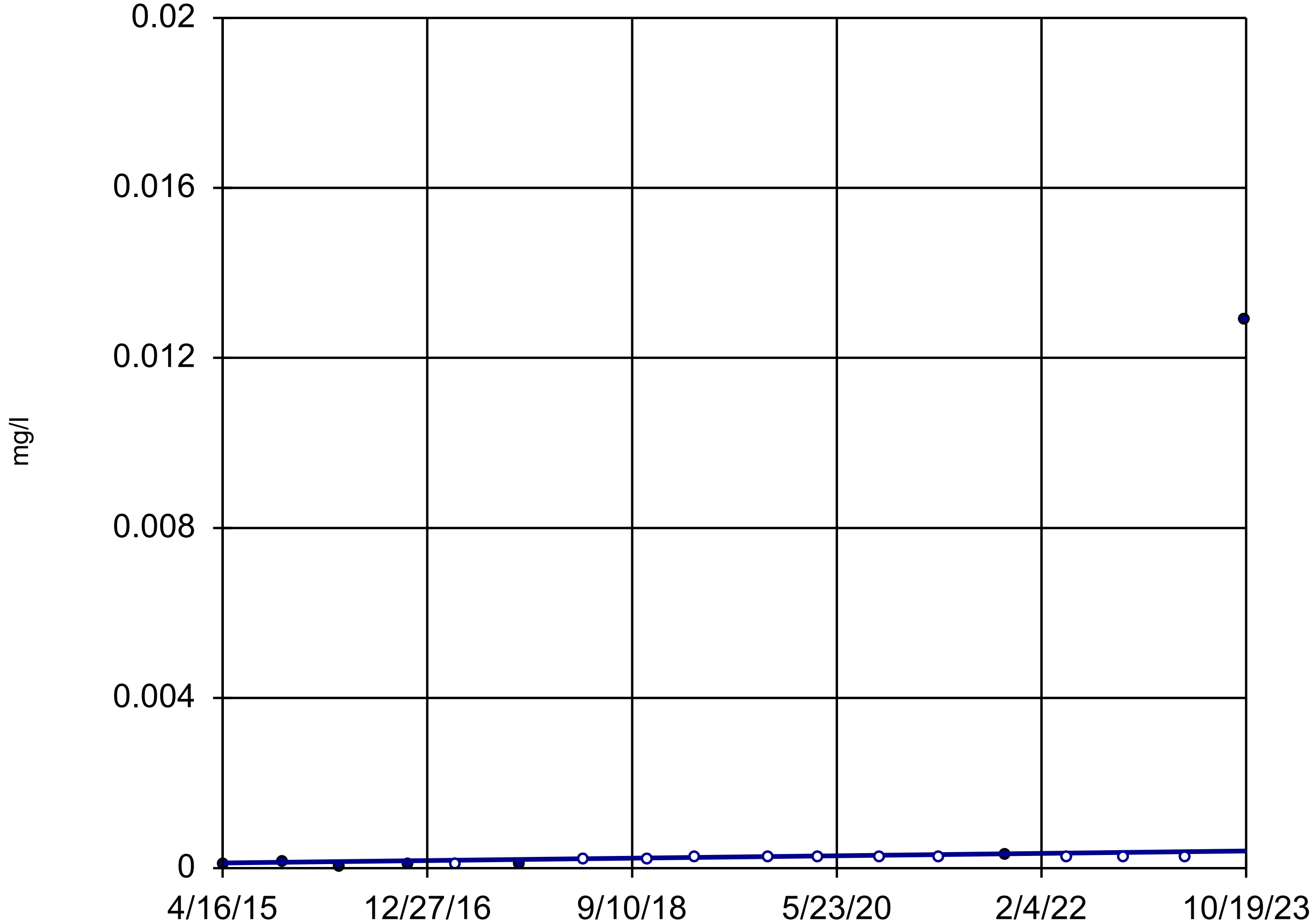
Constituent: Silver   Analysis Run 11/20/2023 10:02 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-18



n = 18

Slope = 0.00003295
units per year.

Mann-Kendall
statistic = 92
critical = 63

Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

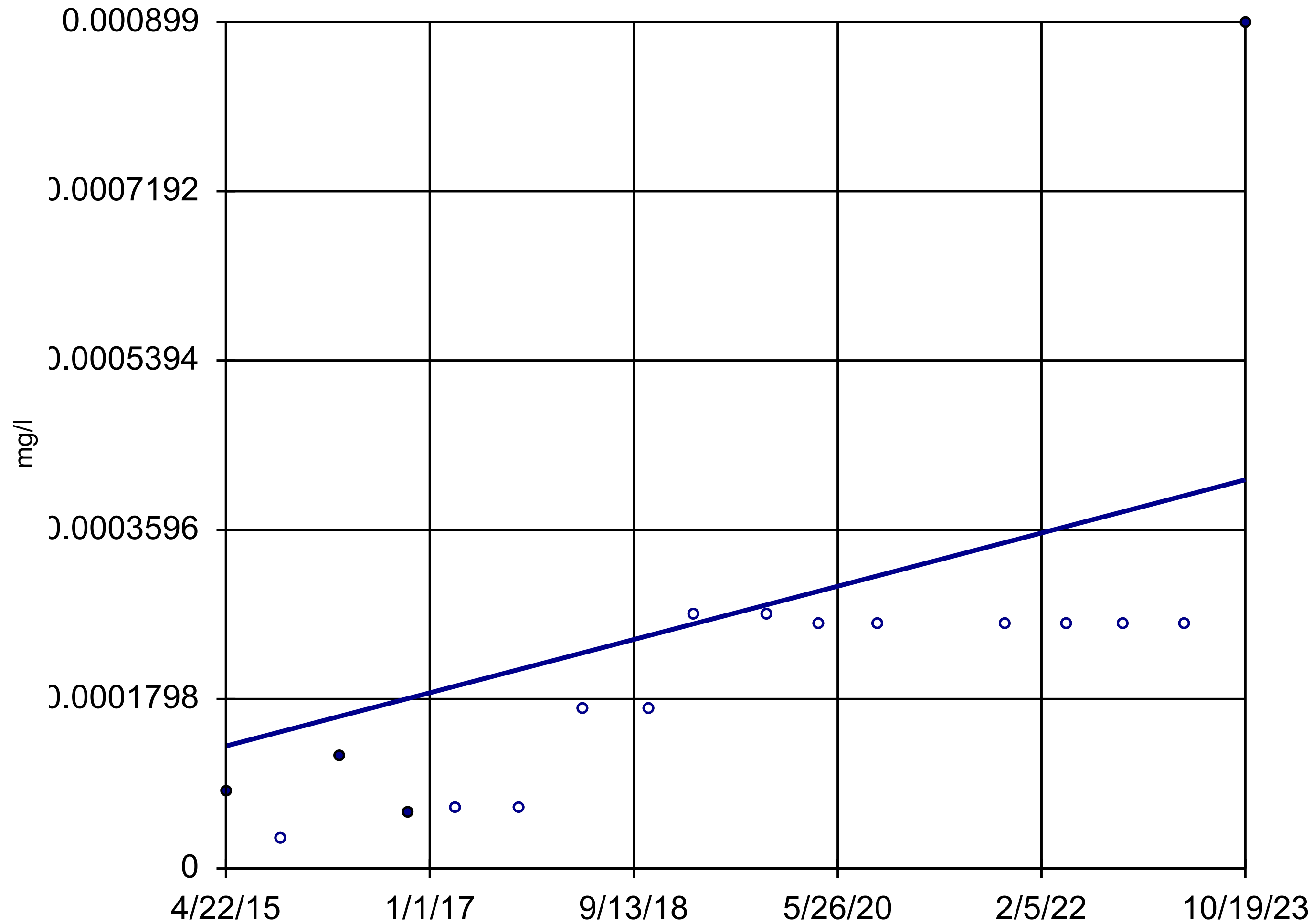
Constituent: Thallium   Analysis Run 11/20/2023 10:02 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-201B (bg)



n = 17

Slope = 0.00003325 units per year.

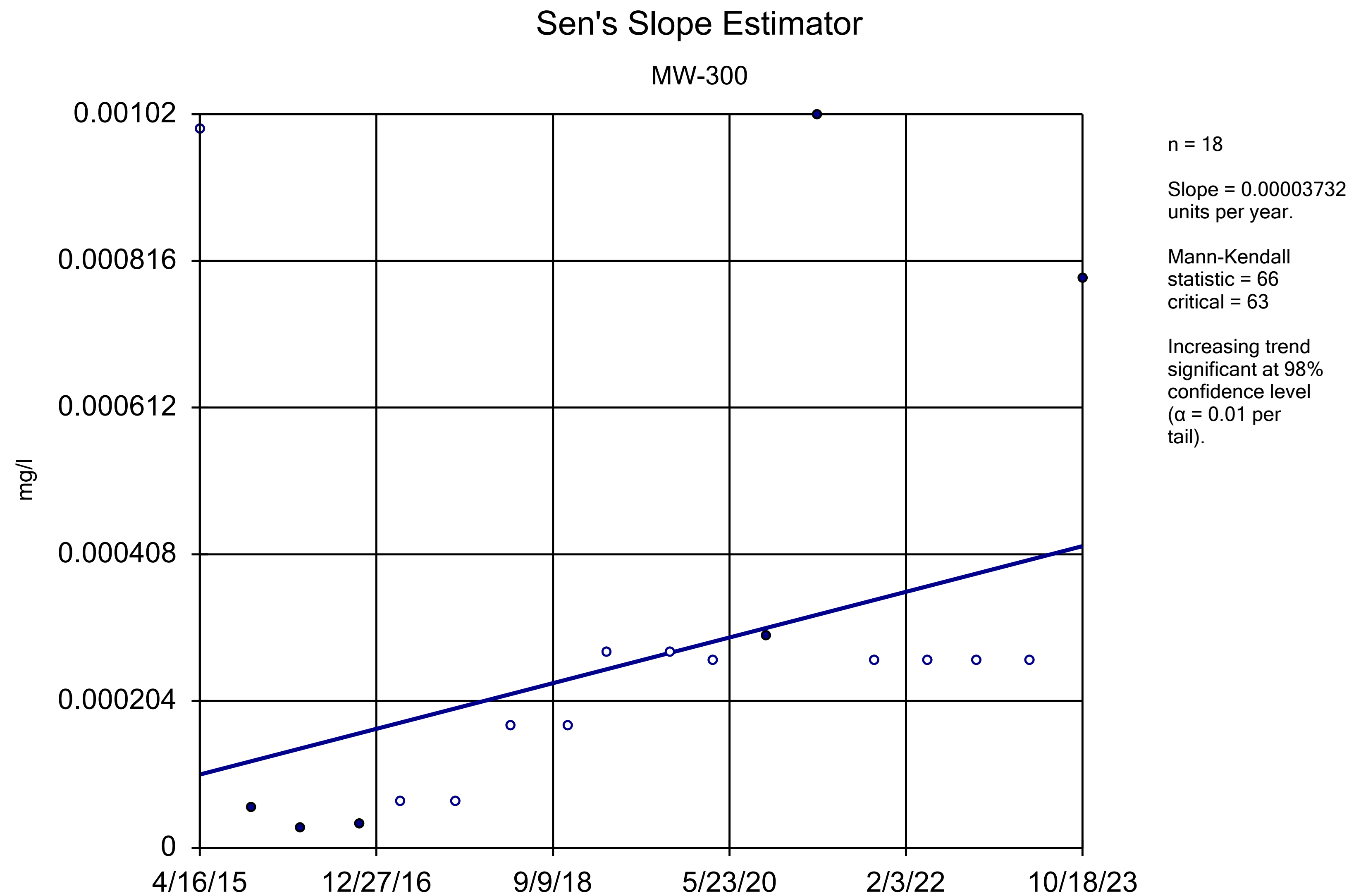
Mann-Kendall statistic = 80
critical = 58

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Thallium   Analysis Run 11/20/2023 10:02 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

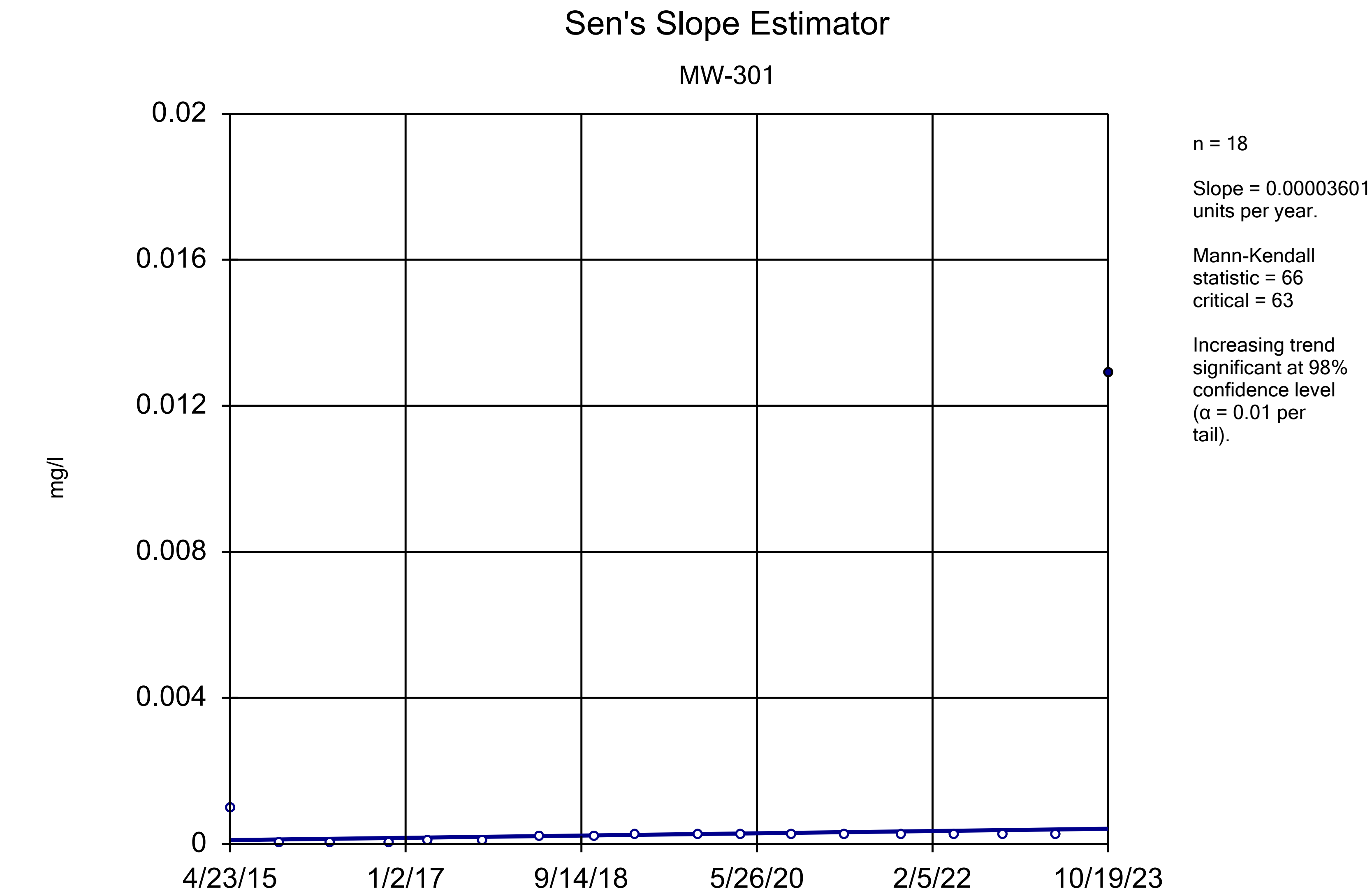
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Thallium   Analysis Run 11/20/2023 10:02 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

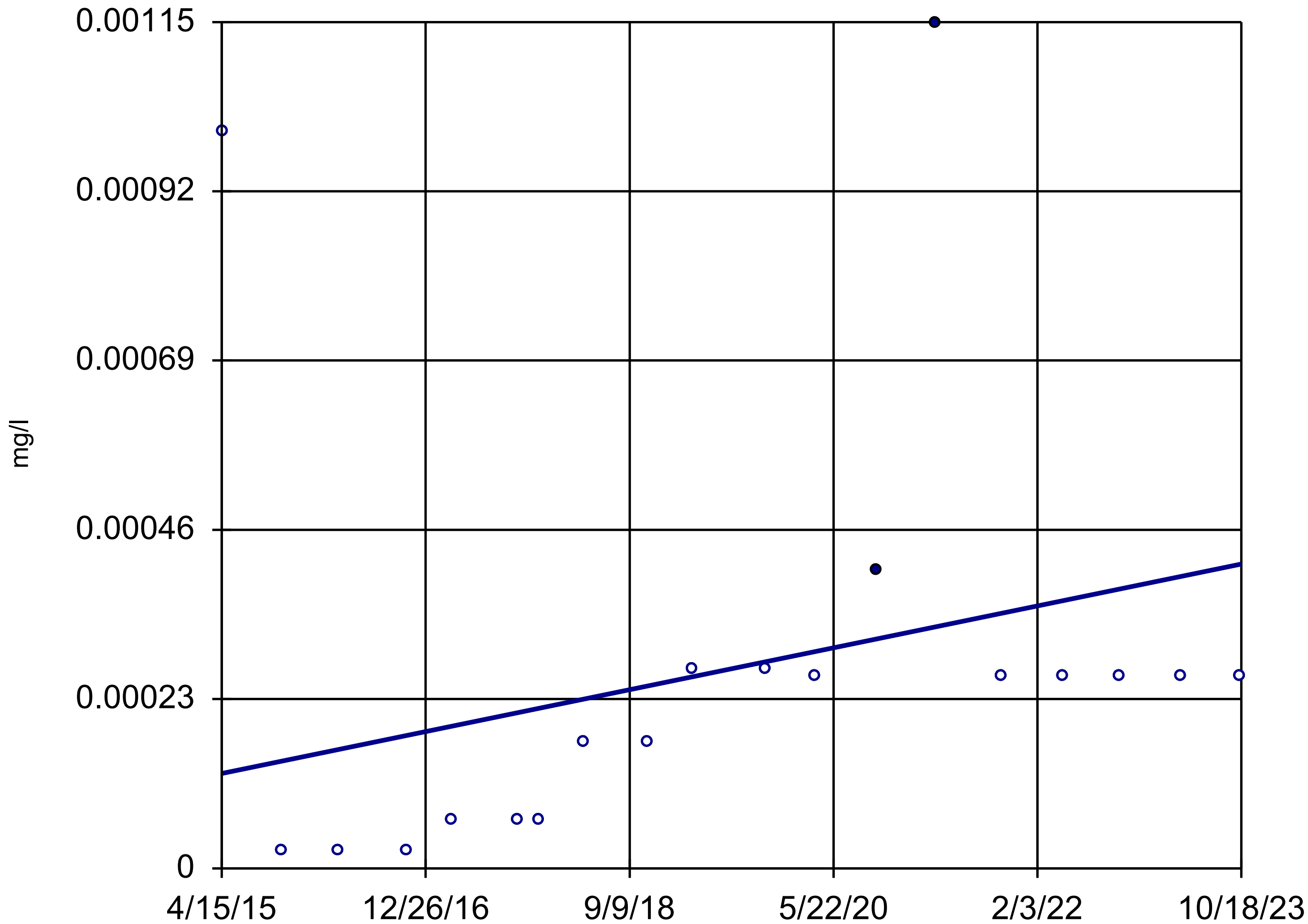


Constituent: Thallium Analysis Run 11/20/2023 10:02 AM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-305



n = 19

Slope = 0.00003341
units per year.

Mann-Kendall
statistic = 70
critical = 68

Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

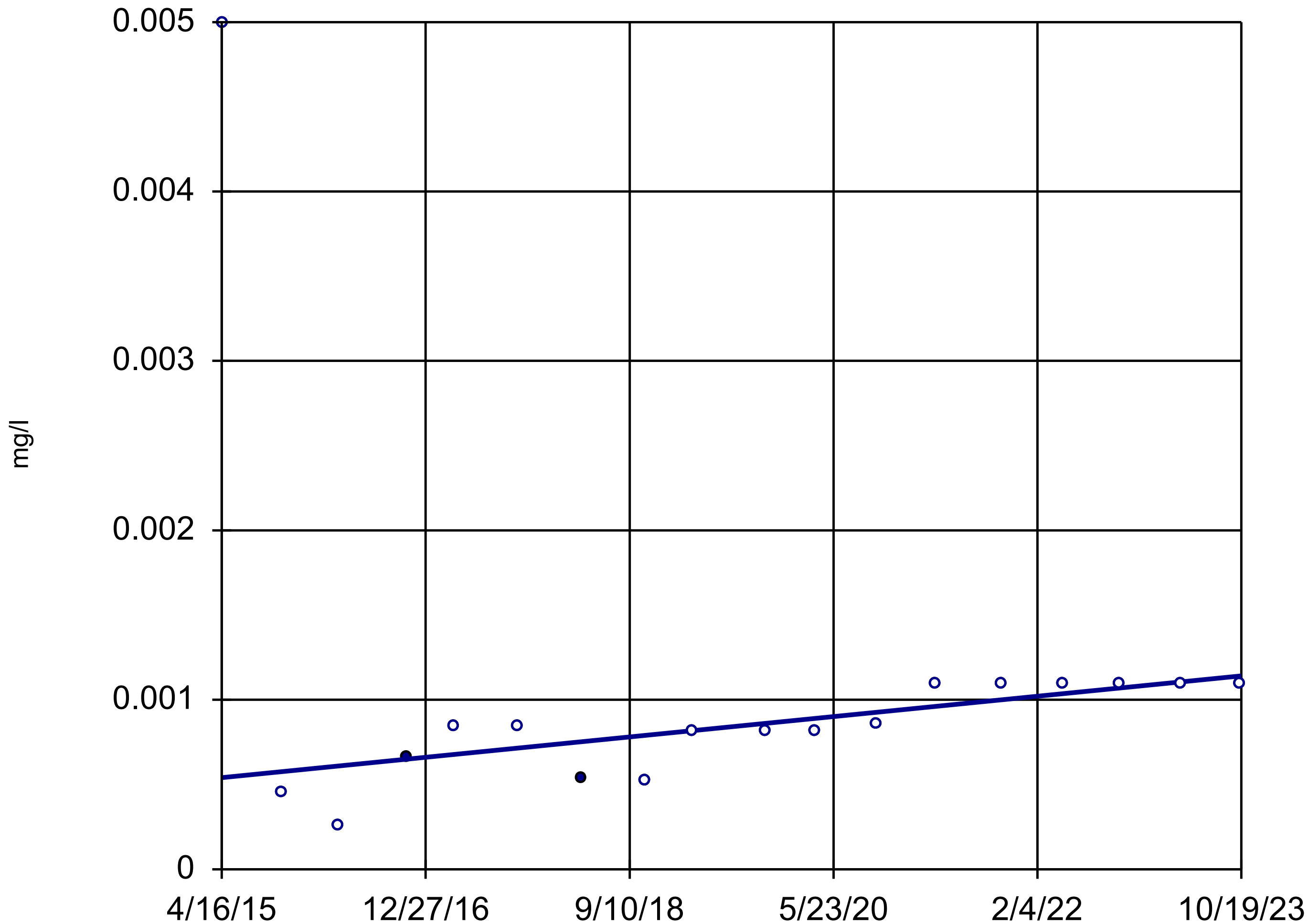
Constituent: Thallium   Analysis Run 11/20/2023 10:02 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-18



n = 18

Slope = 0.00007048
units per year.

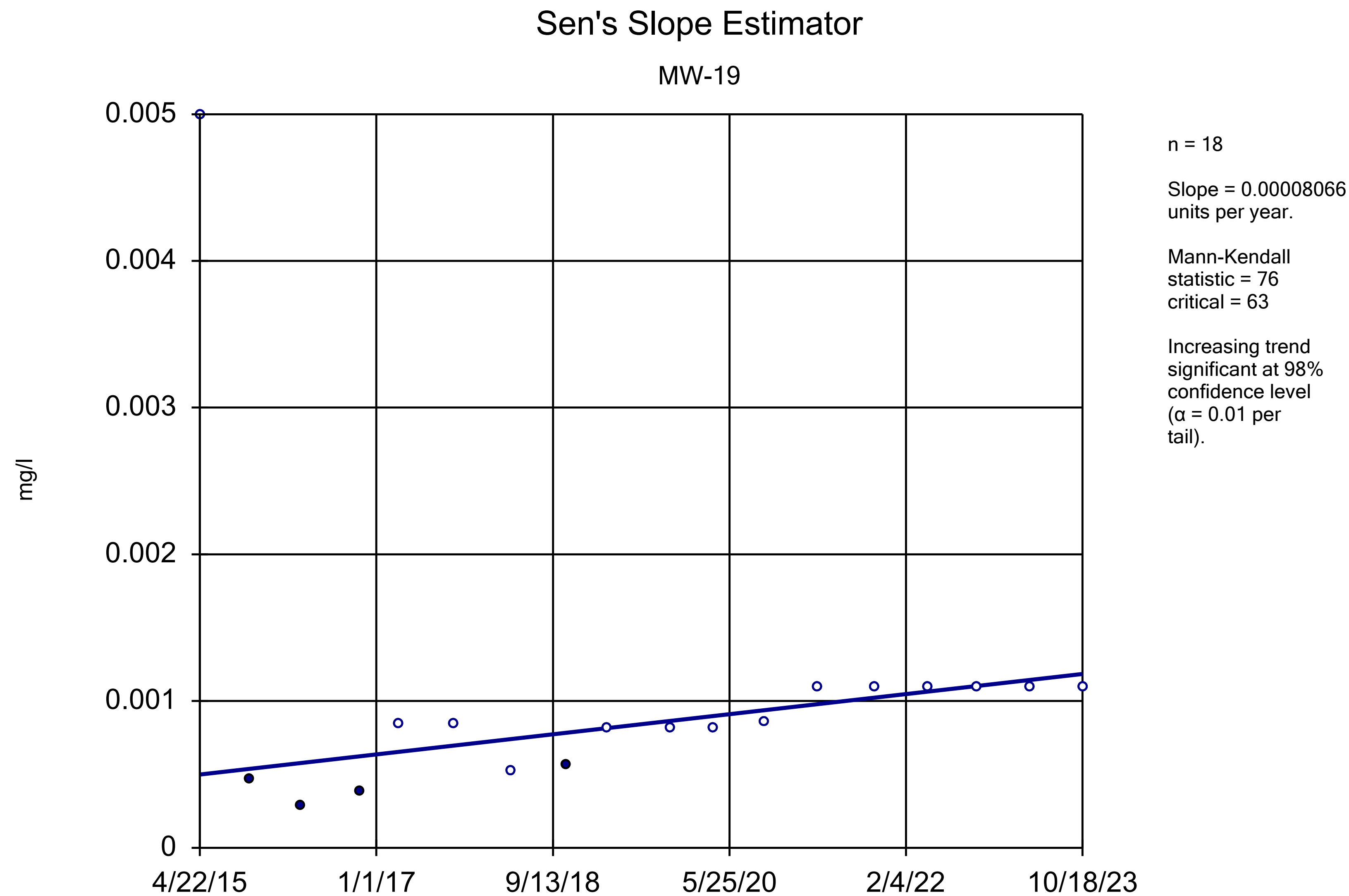
Mann-Kendall
statistic = 72
critical = 63

Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Vanadium   Analysis Run 11/20/2023 10:03 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

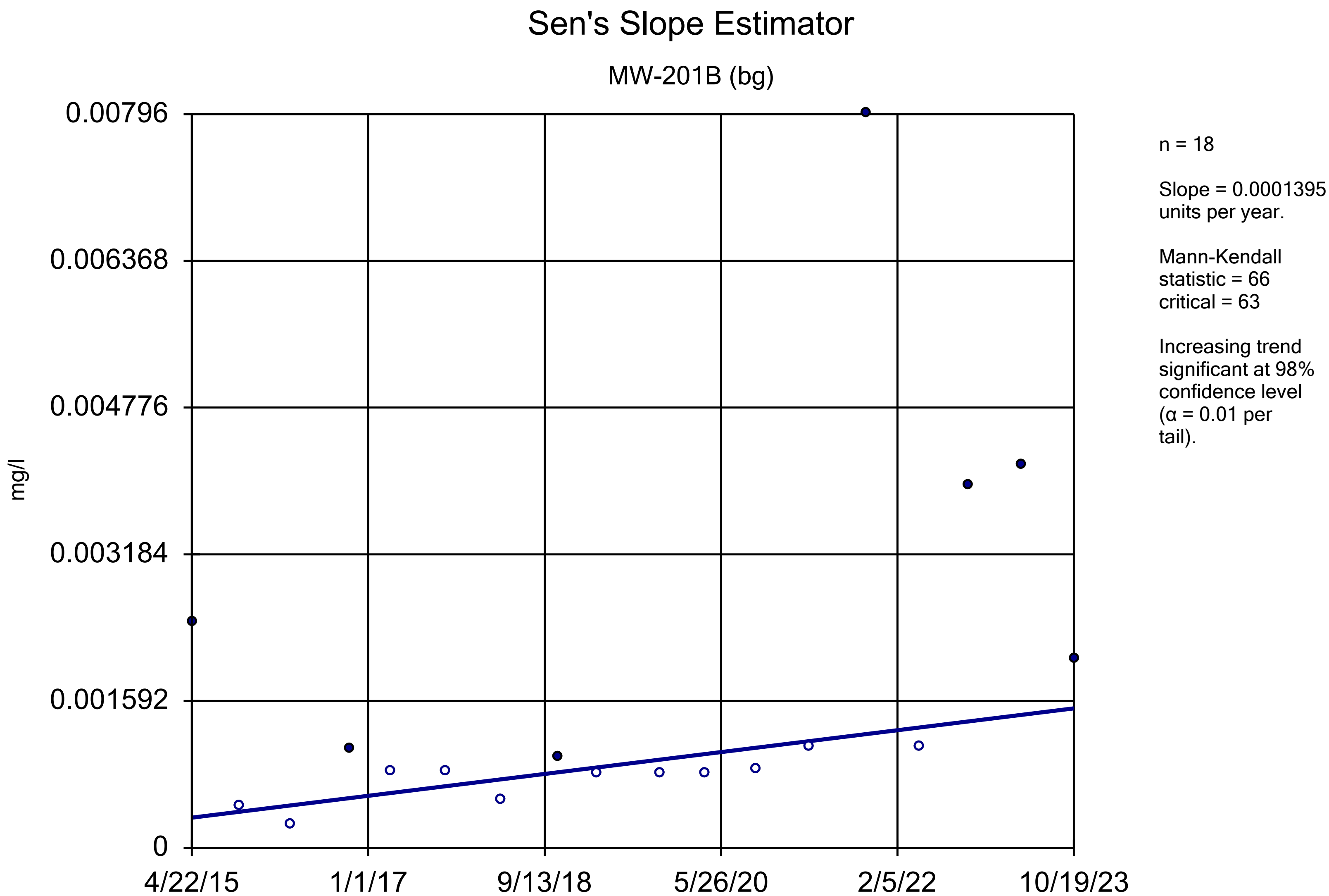
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Vanadium Analysis Run 11/20/2023 10:03 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

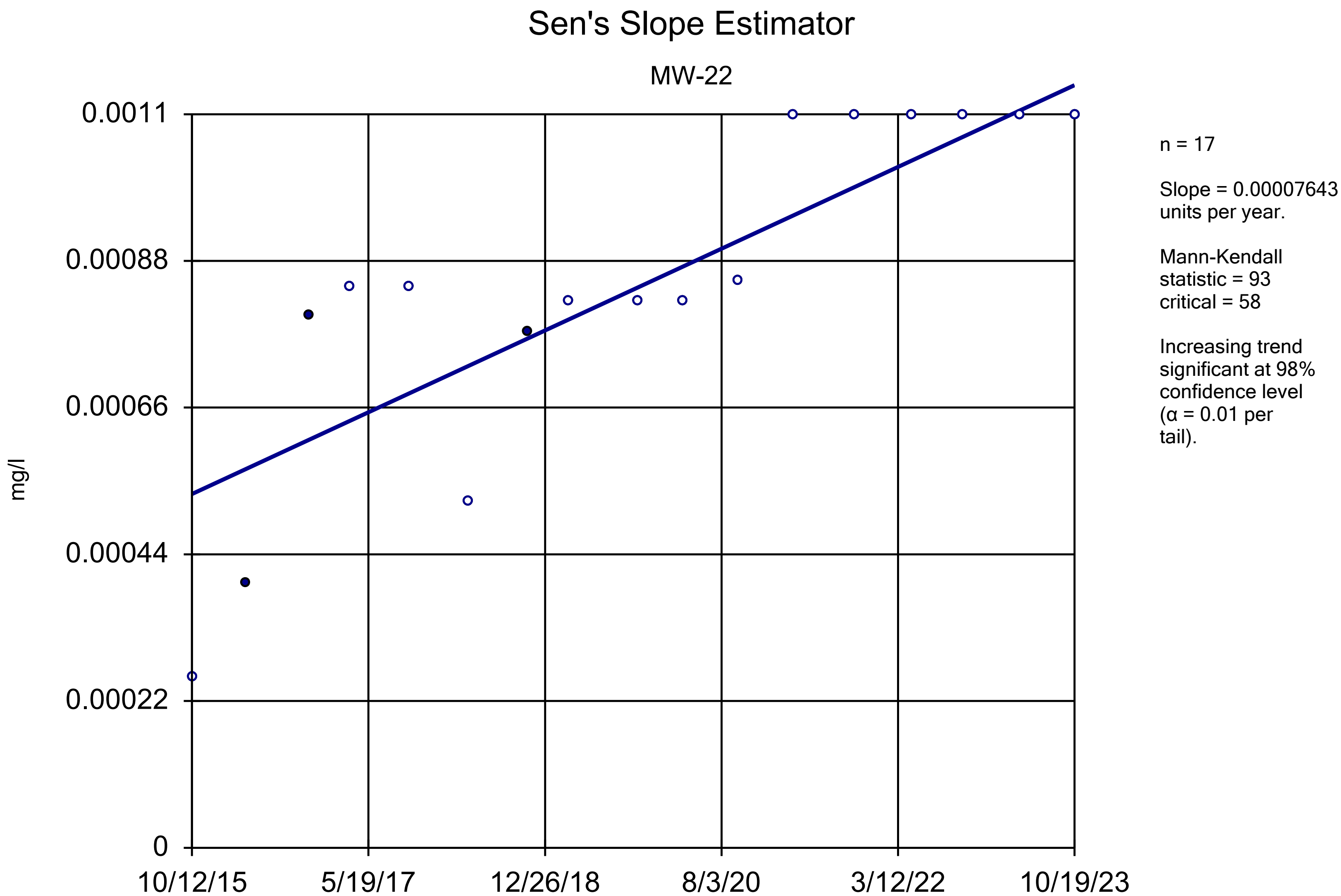
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Vanadium Analysis Run 11/20/2023 10:03 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

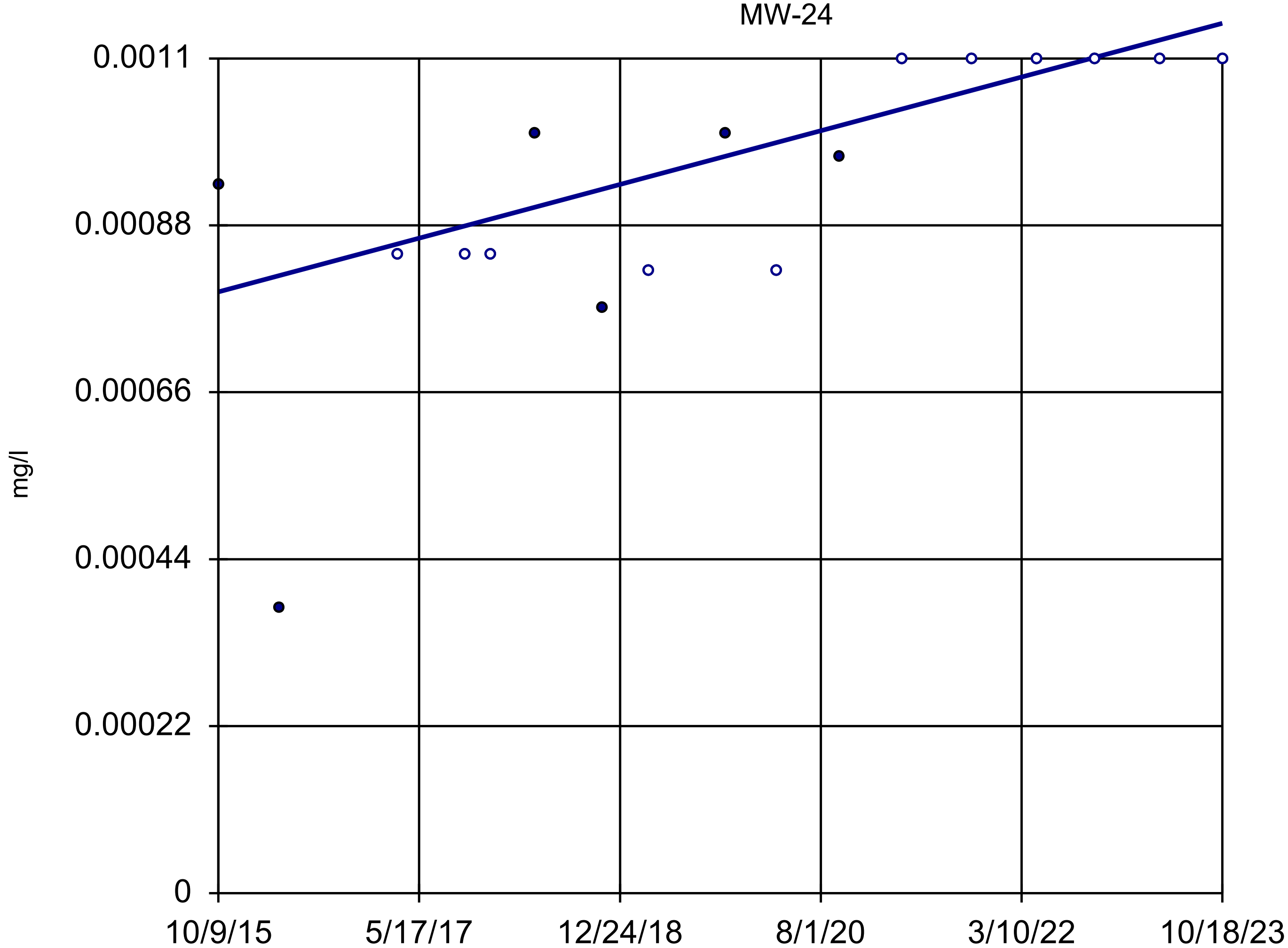


Constituent: Vanadium Analysis Run 11/20/2023 10:03 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator



n = 17

Slope = 0.00004408
units per year.

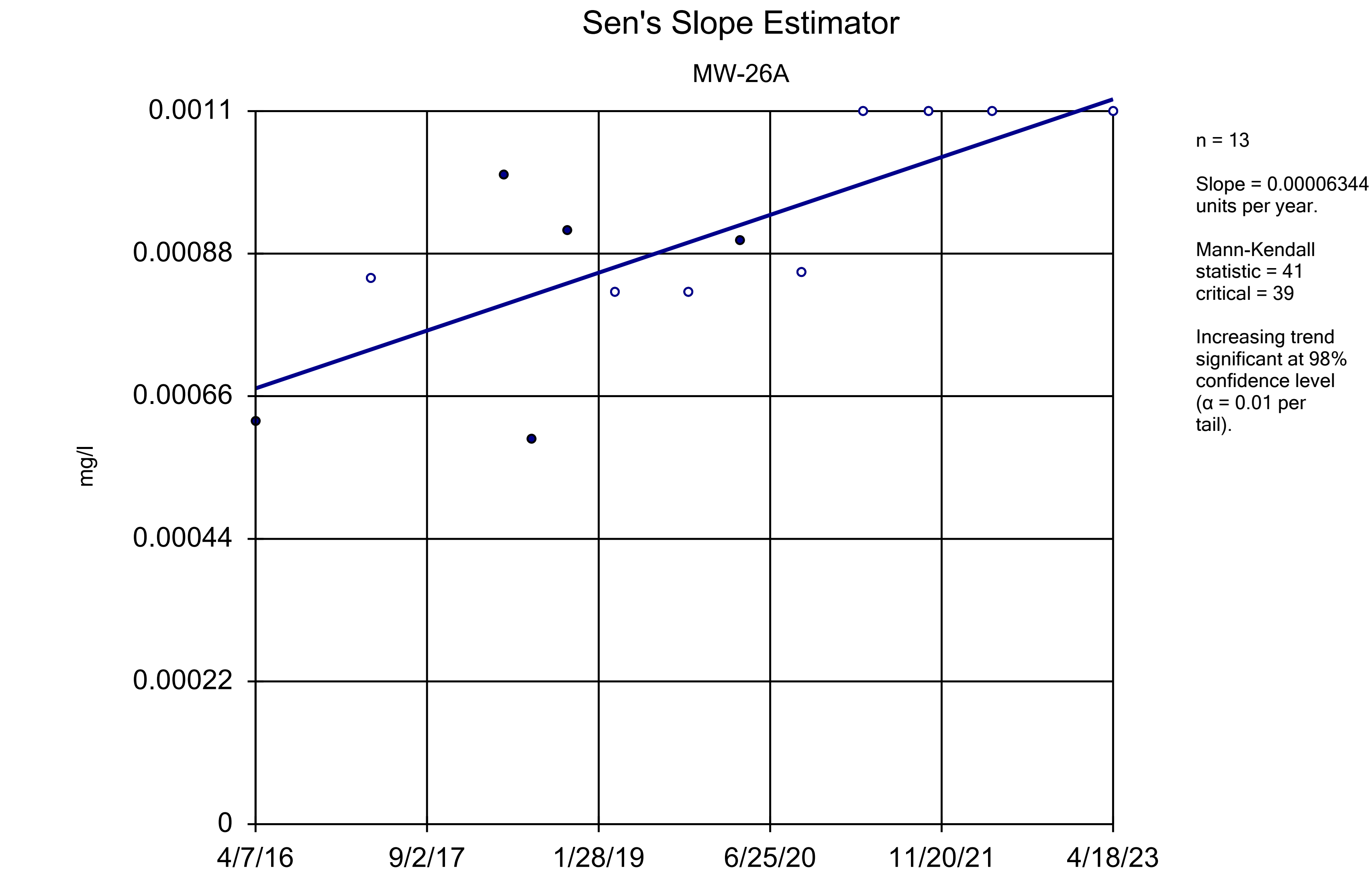
Mann-Kendall
statistic = 72
critical = 58

Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Vanadium   Analysis Run 11/20/2023 10:03 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



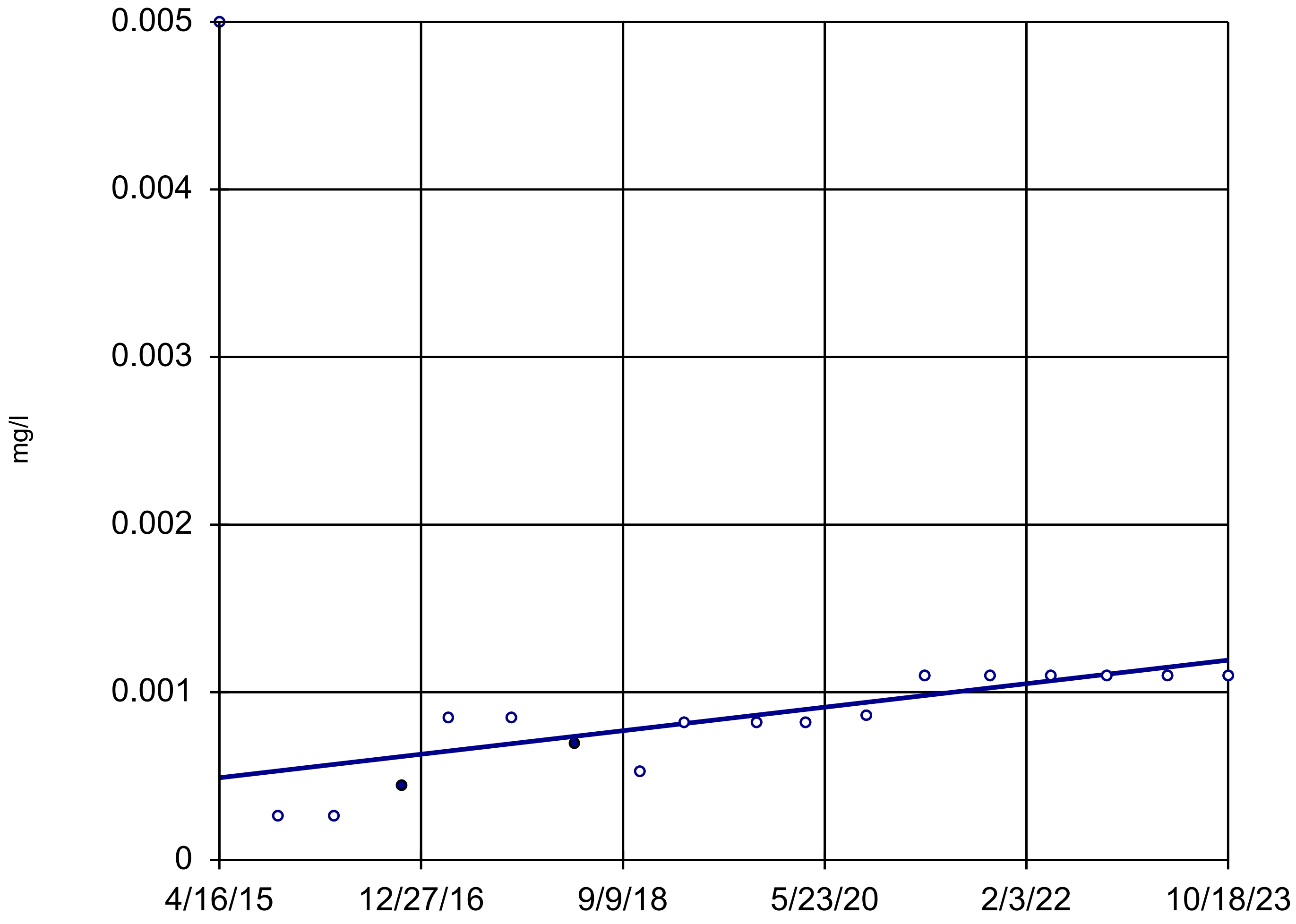
Constituent: Vanadium Analysis Run 11/20/2023 10:03 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-300



n = 18

Slope = 0.0000824
units per year.

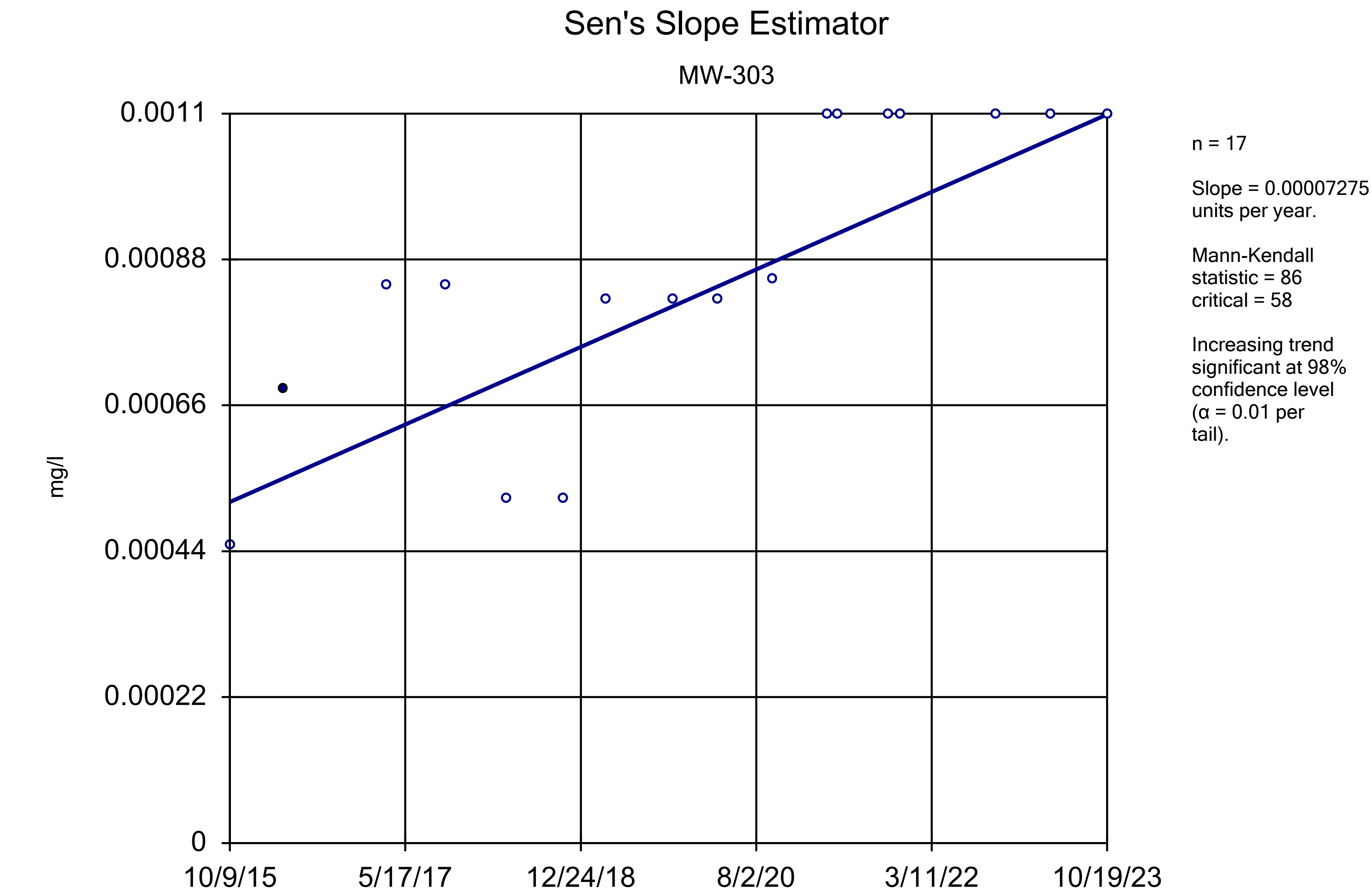
Mann-Kendall
statistic = 77
critical = 63

Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Vanadium   Analysis Run 11/20/2023 10:03 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

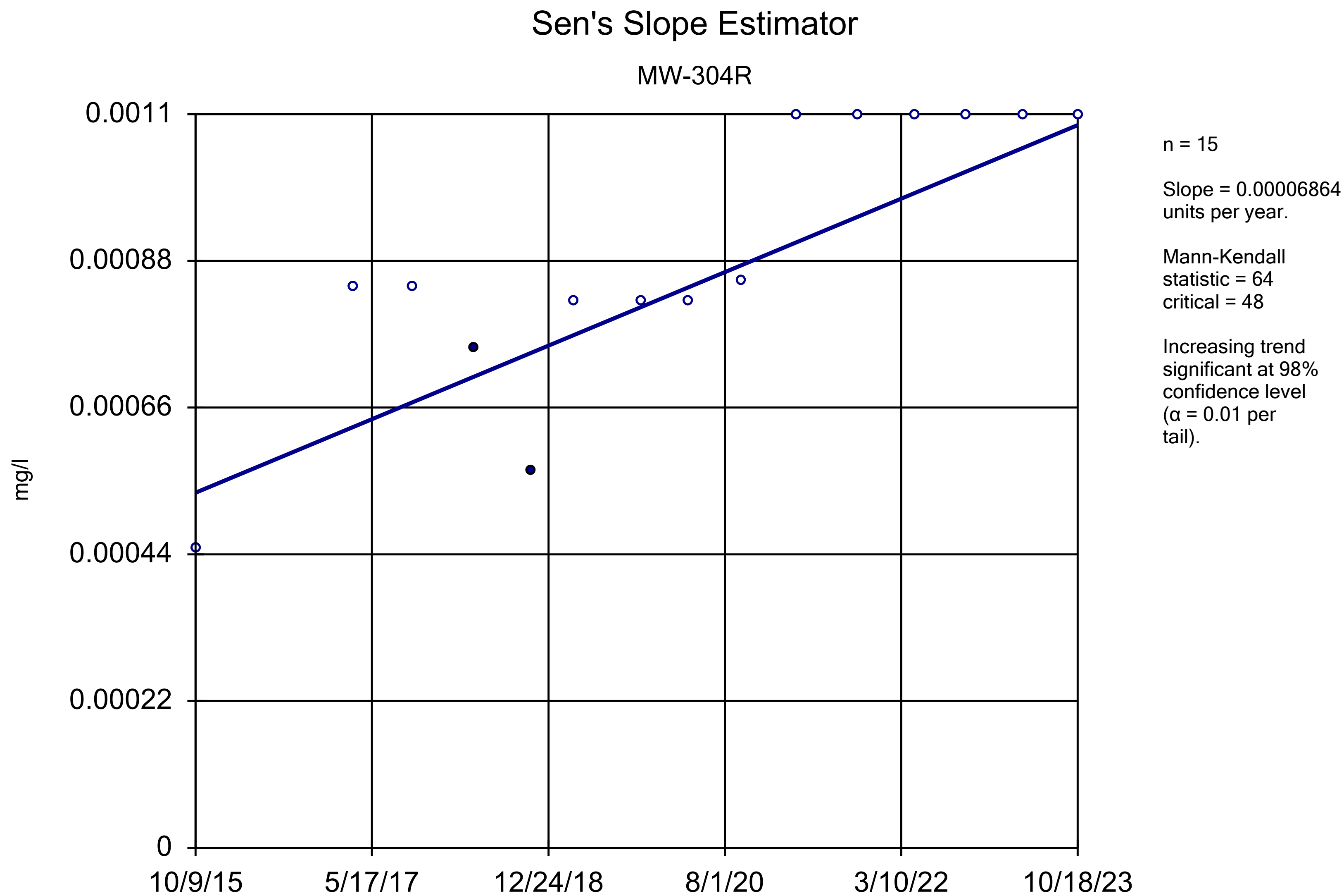
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Vanadium Analysis Run 11/20/2023 10:03 AM View: App I_Metals

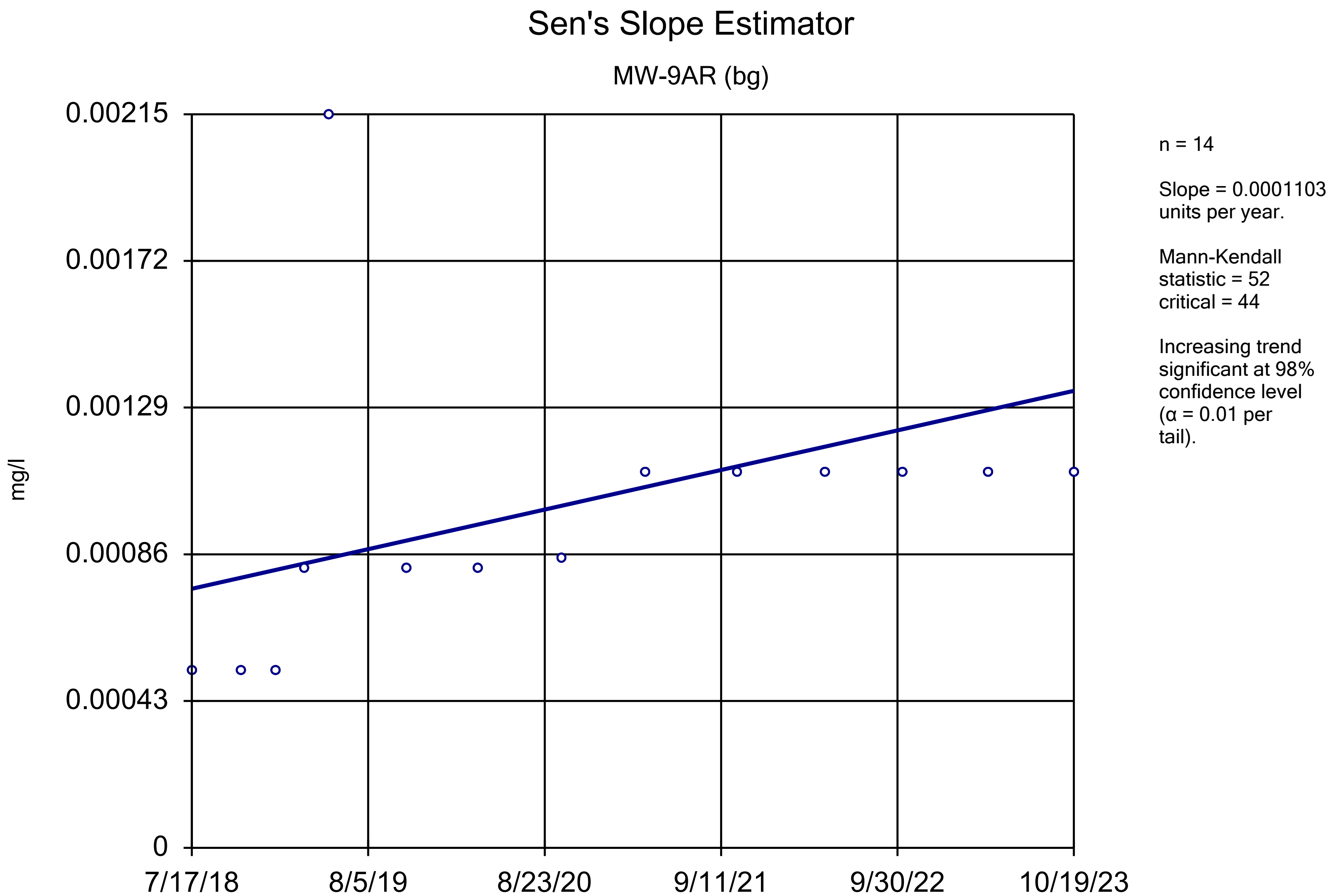
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Vanadium Analysis Run 11/20/2023 10:03 AM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

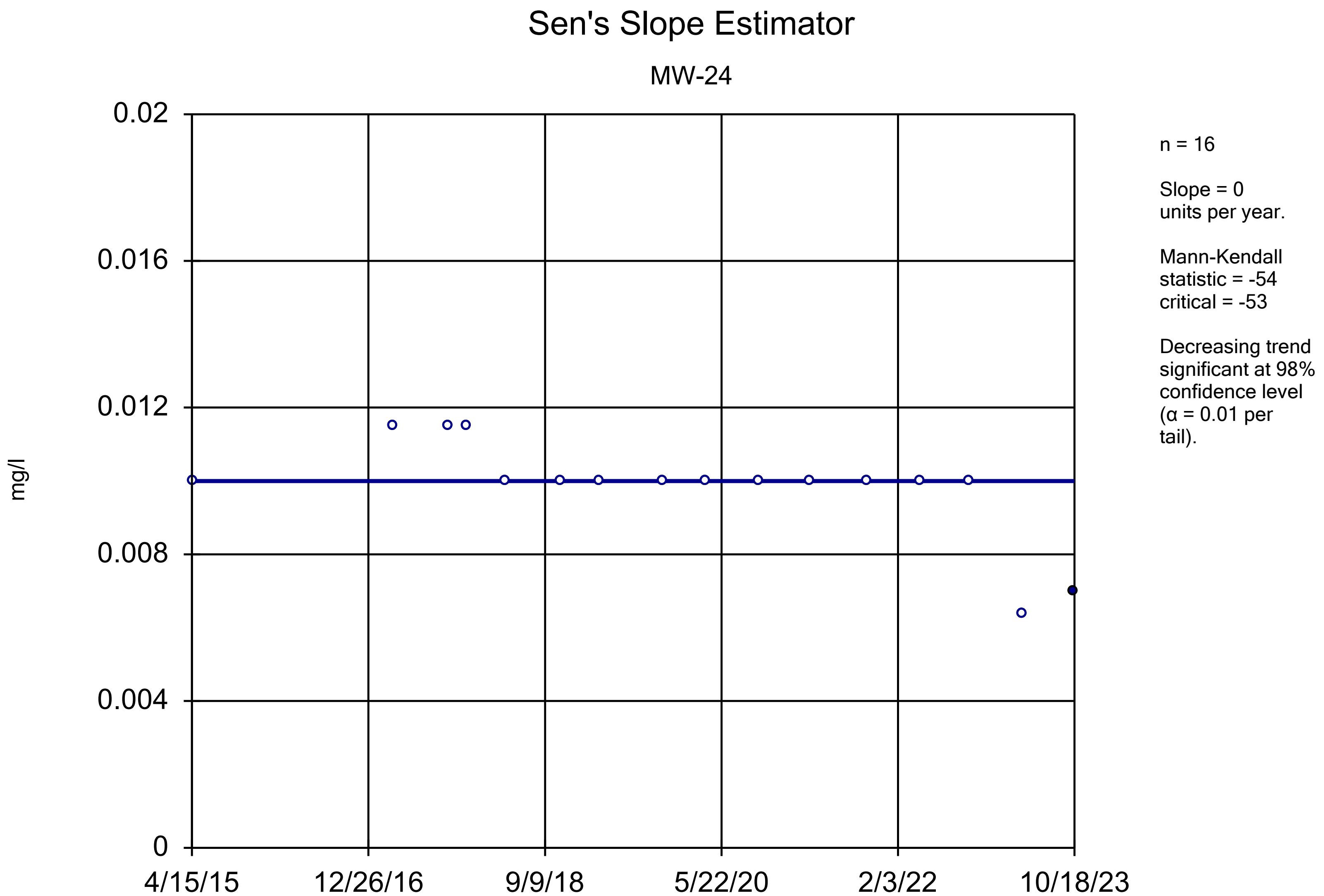
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Vanadium   Analysis Run 11/20/2023 10:03 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



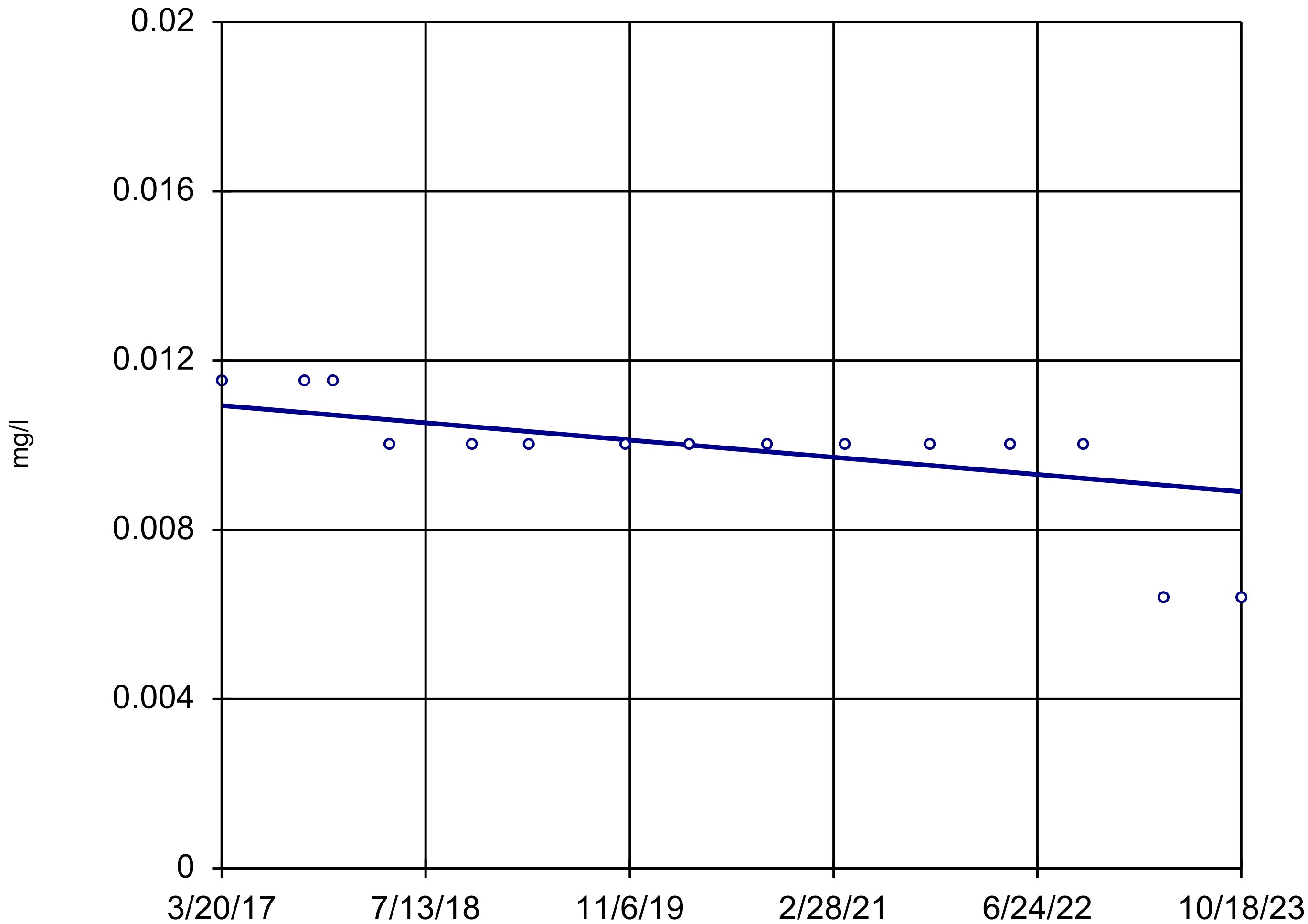
Constituent: Zinc   Analysis Run 11/20/2023 10:03 AM   View: App I_Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-305



n = 15

Slope = -0.00031
units per year.

Mann-Kendall
statistic = -56
critical = -48

Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Zinc Analysis Run 11/20/2023 10:03 AM View: App I_Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Trend Test

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/20/2023, 10:04 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Antimony (mg/l)	**MW-15**	**0.00009371**	**101**	**68**	**Yes**	**19**	**89.47**	**0.02**	**NP**
Antimony (mg/l)	**MW-18**	**0.0001006**	**94**	**63**	**Yes**	**18**	**94.44**	**0.02**	**NP**
Antimony (mg/l)	**MW-19**	**0.00009163**	**91**	**63**	**Yes**	**18**	**94.44**	**0.02**	**NP**
Antimony (mg/l)	**MW-20**	**0.00008928**	**70**	**58**	**Yes**	**17**	**94.12**	**0.02**	**NP**
Antimony (mg/l)	MW-201B (bg)	0.00005118	24	63	No	18	27.78	0.02	NP
Antimony (mg/l)	**MW-22**	**0.00009026**	**82**	**63**	**Yes**	**18**	**100**	**0.02**	**NP**
Antimony (mg/l)	MW-24	0.00008259	55	68	No	19	94.74	0.02	NP
Antimony (mg/l)	**MW-26A**	**0.0000921**	**58**	**48**	**Yes**	**15**	**100**	**0.02**	**NP**
Antimony (mg/l)	**MW-300**	**0.000107**	**99**	**63**	**Yes**	**18**	**83.33**	**0.02**	**NP**
Antimony (mg/l)	**MW-301**	**0.00009811**	**88**	**63**	**Yes**	**18**	**94.44**	**0.02**	**NP**
Antimony (mg/l)	**MW-302R**	**0.0000921**	**90**	**68**	**Yes**	**19**	**100**	**0.02**	**NP**
Antimony (mg/l)	**MW-303**	**0.0001112**	**109**	**73**	**Yes**	**20**	**100**	**0.02**	**NP**
Antimony (mg/l)	MW-304R	0.00008202	56	68	No	19	100	0.02	NP
Antimony (mg/l)	**MW-305**	**0.00009203**	**90**	**68**	**Yes**	**19**	**100**	**0.02**	**NP**
Antimony (mg/l)	MW-501	-0.0000...	-9	-20	No	8	87.5	0.02	NP
Antimony (mg/l)	MW-9AR (bg)	0.00007225	27	44	No	14	85.71	0.02	NP
Arsenic (mg/l)	MW-15	-0.000272	-53	-73	No	20	10	0.02	NP
Arsenic (mg/l)	MW-18	-0.0000...	-51	-63	No	18	27.78	0.02	NP
Arsenic (mg/l)	**MW-19**	**-0.0009593**	**-87**	**-63**	**Yes**	**18**	**0**	**0.02**	**NP**
Arsenic (mg/l)	MW-20	-0.0003639	-23	-63	No	18	5.556	0.02	NP
Arsenic (mg/l)	MW-201B (bg)	0.0001962	63	63	No	18	11.11	0.02	NP
Arsenic (mg/l)	MW-22	-0.0000...	-14	-53	No	16	0	0.02	NP
Arsenic (mg/l)	MW-24	0	-1	-63	No	18	61.11	0.02	NP
Arsenic (mg/l)	**MW-26A**	**0.000118**	**51**	**48**	**Yes**	**15**	**73.33**	**0.02**	**NP**
Arsenic (mg/l)	MW-300	-0.0000...	-13	-63	No	18	38.89	0.02	NP
Arsenic (mg/l)	MW-301	-0.0004119	-38	-63	No	18	0	0.02	NP
Arsenic (mg/l)	MW-302R	0.00002269	49	68	No	19	57.89	0.02	NP
Arsenic (mg/l)	MW-303	0.0001671	65	68	No	19	68.42	0.02	NP
Arsenic (mg/l)	MW-304R	0.00001987	31	68	No	19	68.42	0.02	NP
Arsenic (mg/l)	MW-305	0.00000...	28	68	No	19	89.47	0.02	NP
Arsenic (mg/l)	MW-501	0.0002266	1	20	No	8	25	0.02	NP
Arsenic (mg/l)	MW-9AR (bg)	0.00005984	7	44	No	14	14.29	0.02	NP
Barium (mg/l)	MW-15	0.002011	11	68	No	19	0	0.02	NP
Barium (mg/l)	MW-18	-0.0007368	-11	-63	No	18	0	0.02	NP
Barium (mg/l)	**MW-19**	**-0.04608**	**-82**	**-63**	**Yes**	**18**	**0**	**0.02**	**NP**
Barium (mg/l)	MW-20	0.03671	35	58	No	17	0	0.02	NP
Barium (mg/l)	MW-201B (bg)	0.002852	22	63	No	18	0	0.02	NP
Barium (mg/l)	MW-22	0.002812	22	63	No	18	0	0.02	NP
Barium (mg/l)	MW-24	0.002039	35	68	No	19	0	0.02	NP
Barium (mg/l)	MW-26A	0.005114	17	48	No	15	0	0.02	NP
Barium (mg/l)	MW-300	-0.00545	-31	-63	No	18	0	0.02	NP
Barium (mg/l)	MW-301	-0.0008022	-26	-63	No	18	0	0.02	NP
Barium (mg/l)	MW-302R	0.002185	52	68	No	19	0	0.02	NP
Barium (mg/l)	MW-303	-0.0003919	-10	-73	No	20	0	0.02	NP
Barium (mg/l)	MW-304R	-0.0000...	-1	-63	No	18	0	0.02	NP
Barium (mg/l)	**MW-305**	**-0.01134**	**-107**	**-68**	**Yes**	**19**	**0**	**0.02**	**NP**
Barium (mg/l)	MW-501	-0.007043	-6	-20	No	8	0	0.02	NP
Barium (mg/l)	**MW-9AR (bg)**	**-0.0233**	**-47**	**-44**	**Yes**	**14**	**0**	**0.02**	**NP**
Beryllium (mg/l)	**MW-15**	**0.00001727**	**81**	**68**	**Yes**	**19**	**100**	**0.02**	**NP**
Beryllium (mg/l)	**MW-18**	**0.00002008**	**88**	**58**	**Yes**	**17**	**94.12**	**0.02**	**NP**

Trend Test

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/20/2023, 10:04 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Beryllium (mg/l)	**MW-19**	**0.00001638**	**71**	**63**	**Yes**	**18**	**94.44**	**0.02**	**NP**
Beryllium (mg/l)	**MW-20**	**0.00001652**	**72**	**53**	**Yes**	**16**	**100**	**0.02**	**NP**
Beryllium (mg/l)	**MW-201B (bg)**	**0.00002709**	**106**	**63**	**Yes**	**18**	**88.89**	**0.02**	**NP**
Beryllium (mg/l)	**MW-22**	**0.00002109**	**101**	**63**	**Yes**	**18**	**88.89**	**0.02**	**NP**
Beryllium (mg/l)	**MW-24**	**0.00001728**	**81**	**68**	**Yes**	**19**	**94.74**	**0.02**	**NP**
Beryllium (mg/l)	MW-26A	0.00001093	36	48	No	15	100	0.02	NP
Beryllium (mg/l)	**MW-300**	**0.00001674**	**63**	**58**	**Yes**	**17**	**94.12**	**0.02**	**NP**
Beryllium (mg/l)	**MW-301**	**0.00001431**	**78**	**58**	**Yes**	**17**	**100**	**0.02**	**NP**
Beryllium (mg/l)	**MW-302R**	**0.00001785**	**105**	**68**	**Yes**	**19**	**94.74**	**0.02**	**NP**
Beryllium (mg/l)	**MW-303**	**0.00002046**	**88**	**58**	**Yes**	**17**	**100**	**0.02**	**NP**
Beryllium (mg/l)	**MW-304R**	**0.00001567**	**69**	**68**	**Yes**	**19**	**94.74**	**0.02**	**NP**
Beryllium (mg/l)	**MW-305**	**0.00001231**	**69**	**68**	**Yes**	**19**	**100**	**0.02**	**NP**
Beryllium (mg/l)	MW-501	0	7	17	No	7	85.71	0.02	NP
Beryllium (mg/l)	**MW-9AR (bg)**	**0.00001968**	**46**	**39**	**Yes**	**13**	**100**	**0.02**	**NP**
Cadmium (mg/l)	MW-15	0.00000...	62	63	No	18	66.67	0.02	NP
Cadmium (mg/l)	MW-18	-0.0000...	-1	-63	No	18	0	0.02	NP
Cadmium (mg/l)	MW-19	0.00000...	14	63	No	18	88.89	0.02	NP
Cadmium (mg/l)	MW-20	0.00000...	47	58	No	17	100	0.02	NP
Cadmium (mg/l)	MW-201B (bg)	0.00000...	56	58	No	17	82.35	0.02	NP
Cadmium (mg/l)	**MW-22**	**0.00000...**	**77**	**58**	**Yes**	**17**	**100**	**0.02**	**NP**
Cadmium (mg/l)	MW-24	-0.0000...	-9	-68	No	19	26.32	0.02	NP
Cadmium (mg/l)	MW-26A	0	0	48	No	15	66.67	0.02	NP
Cadmium (mg/l)	MW-300	-0.0000...	-47	-63	No	18	27.78	0.02	NP
Cadmium (mg/l)	MW-301	0.00000...	58	58	No	17	88.24	0.02	NP
Cadmium (mg/l)	MW-302R	0.00000...	11	68	No	19	63.16	0.02	NP
Cadmium (mg/l)	MW-303	0.00004414	57	78	No	21	38.1	0.02	NP
Cadmium (mg/l)	MW-304R	0.00000...	36	63	No	18	72.22	0.02	NP
Cadmium (mg/l)	**MW-305**	**0.00000...**	**84**	**63**	**Yes**	**18**	**88.89**	**0.02**	**NP**
Cadmium (mg/l)	MW-501	0.00002186	11	20	No	8	50	0.02	NP
Cadmium (mg/l)	MW-9AR (bg)	0.00000...	15	39	No	13	100	0.02	NP
Chromium (mg/l)	**MW-15**	**0.0000618**	**86**	**63**	**Yes**	**18**	**94.44**	**0.02**	**NP**
Chromium (mg/l)	**MW-18**	**0.00006684**	**72**	**58**	**Yes**	**17**	**100**	**0.02**	**NP**
Chromium (mg/l)	MW-19	0.00004063	47	48	No	15	93.33	0.02	NP
Chromium (mg/l)	MW-20	-0.0000...	-29	-58	No	17	0	0.02	NP
Chromium (mg/l)	MW-201B (bg)	0.0001159	48	63	No	18	66.67	0.02	NP
Chromium (mg/l)	**MW-22**	**0.0000738**	**88**	**63**	**Yes**	**18**	**88.89**	**0.02**	**NP**
Chromium (mg/l)	**MW-24**	**0.0000693**	**84**	**63**	**Yes**	**18**	**94.44**	**0.02**	**NP**
Chromium (mg/l)	**MW-26A**	**0.0001253**	**73**	**44**	**Yes**	**14**	**85.71**	**0.02**	**NP**
Chromium (mg/l)	**MW-300**	**0.00007586**	**80**	**63**	**Yes**	**18**	**94.44**	**0.02**	**NP**
Chromium (mg/l)	**MW-301**	**0.00009253**	**104**	**58**	**Yes**	**17**	**94.12**	**0.02**	**NP**
Chromium (mg/l)	**MW-302R**	**0.00007623**	**97**	**68**	**Yes**	**19**	**94.74**	**0.02**	**NP**
Chromium (mg/l)	MW-303	0.00003367	52	63	No	18	94.44	0.02	NP
Chromium (mg/l)	MW-304R	0.00005225	55	58	No	17	100	0.02	NP
Chromium (mg/l)	**MW-305**	**0.00007807**	**99**	**68**	**Yes**	**19**	**100**	**0.02**	**NP**
Chromium (mg/l)	MW-501	0	0	20	No	8	100	0.02	NP
Chromium (mg/l)	MW-9AR (bg)	0.00003454	41	44	No	14	100	0.02	NP
Cobalt (mg/l)	**MW-15**	**0.0002914**	**82**	**73**	**Yes**	**20**	**0**	**0.02**	**NP**
Cobalt (mg/l)	**MW-18**	**-0.001085**	**-99**	**-68**	**Yes**	**19**	**0**	**0.02**	**NP**
Cobalt (mg/l)	MW-19	0.0003964	38	63	No	18	0	0.02	NP
Cobalt (mg/l)	MW-20	0.00001027	1	63	No	18	0	0.02	NP

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Cobalt (mg/l)	MW-201B (bg)	0	-2	-63	No	18	22.22	0.02	NP
Cobalt (mg/l)	**MW-22**	**0.000027**	**90**	**58**	**Yes**	**17**	**0**	**0.02**	**NP**
Cobalt (mg/l)	MW-24	0.00007198	24	73	No	20	0	0.02	NP
Cobalt (mg/l)	**MW-26A**	**0.001475**	**80**	**53**	**Yes**	**16**	**0**	**0.02**	**NP**
Cobalt (mg/l)	MW-300	-0.000374	-35	-63	No	18	5.556	0.02	NP
Cobalt (mg/l)	**MW-301**	**-0.0007525**	**-77**	**-63**	**Yes**	**18**	**0**	**0.02**	**NP**
Cobalt (mg/l)	MW-302R	-0.0001565	-59	-68	No	19	10.53	0.02	NP
Cobalt (mg/l)	**MW-303**	**0.001643**	**87**	**84**	**Yes**	**22**	**0**	**0.02**	**NP**
Cobalt (mg/l)	**MW-304R**	**0.0008044**	**117**	**73**	**Yes**	**20**	**10**	**0.02**	**NP**
Cobalt (mg/l)	MW-305	0.00002519	9	68	No	19	0	0.02	NP
Cobalt (mg/l)	MW-501	0.0004972	10	20	No	8	0	0.02	NP
Cobalt (mg/l)	MW-9AR (bg)	0.00005901	21	44	No	14	28.57	0.02	NP
Copper (mg/l)	MW-15	0.00008906	34	63	No	18	83.33	0.02	NP
Copper (mg/l)	MW-18	0.00008906	41	63	No	18	83.33	0.02	NP
Copper (mg/l)	MW-19	0	-8	-63	No	18	94.44	0.02	NP
Copper (mg/l)	MW-20	0	10	58	No	17	100	0.02	NP
Copper (mg/l)	MW-201B (bg)	0.0001974	45	63	No	18	50	0.02	NP
Copper (mg/l)	MW-22	0.00001283	7	53	No	16	81.25	0.02	NP
Copper (mg/l)	MW-24	0.0001176	34	68	No	19	47.37	0.02	NP
Copper (mg/l)	MW-26A	0.00004002	12	48	No	15	86.67	0.02	NP
Copper (mg/l)	MW-300	0.00004029	24	63	No	18	72.22	0.02	NP
Copper (mg/l)	MW-301	0.00001495	9	53	No	16	93.75	0.02	NP
Copper (mg/l)	MW-302R	-0.0000...	-12	-68	No	19	68.42	0.02	NP
Copper (mg/l)	MW-303	0.00003544	16	73	No	20	85	0.02	NP
Copper (mg/l)	MW-304R	0	-7	-68	No	19	89.47	0.02	NP
Copper (mg/l)	MW-305	0	6	68	No	19	100	0.02	NP
Copper (mg/l)	MW-501	0.0003626	16	20	No	8	75	0.02	NP
Copper (mg/l)	MW-9AR (bg)	0	5	35	No	12	100	0.02	NP
Lead (mg/l)	MW-15	-0.0000...	-24	-68	No	19	68.42	0.02	NP
Lead (mg/l)	MW-18	-0.0000...	-19	-63	No	18	72.22	0.02	NP
Lead (mg/l)	MW-19	0	-9	-63	No	18	83.33	0.02	NP
Lead (mg/l)	MW-20	-0.0000...	-20	-58	No	17	100	0.02	NP
Lead (mg/l)	MW-201B (bg)	0.00006095	49	63	No	18	22.22	0.02	NP
Lead (mg/l)	MW-22	-0.0000...	-50	-63	No	18	88.89	0.02	NP
Lead (mg/l)	MW-24	0	-2	-63	No	18	77.78	0.02	NP
Lead (mg/l)	MW-26A	0	6	48	No	15	80	0.02	NP
Lead (mg/l)	MW-300	-0.0000...	-15	-58	No	17	82.35	0.02	NP
Lead (mg/l)	MW-301	-1.7e-7	-11	-53	No	16	93.75	0.02	NP
Lead (mg/l)	MW-302R	-0.0000...	-33	-68	No	19	78.95	0.02	NP
Lead (mg/l)	MW-303	-0.0000...	-21	-73	No	20	75	0.02	NP
Lead (mg/l)	MW-304R	-0.0000...	-37	-68	No	19	89.47	0.02	NP
Lead (mg/l)	MW-305	-0.0000...	-17	-68	No	19	73.68	0.02	NP
Lead (mg/l)	MW-501	0.0000198	8	20	No	8	62.5	0.02	NP
Lead (mg/l)	MW-9AR (bg)	-0.0000...	-16	-44	No	14	100	0.02	NP
Mercury (mg/l)	MW-15	-4.1e-7	NaN	NaN	No	2	100	NaN	NP
Mercury (mg/l)	MW-18	-4.0e-7	NaN	NaN	No	2	100	NaN	NP
Mercury (mg/l)	MW-19	0.00000...	NaN	NaN	No	2	100	NaN	NP
Mercury (mg/l)	MW-20	0.00000...	NaN	NaN	No	2	100	NaN	NP
Mercury (mg/l)	MW-201B (bg)	-0.0000...	-2	-8	No	4	100	0.02	NP
Mercury (mg/l)	MW-22	0.00000...	NaN	NaN	No	2	100	NaN	NP

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Mercury (mg/l)	MW-24	-4.1e-7	NaN	NaN	No	2	100	NaN	NP
Mercury (mg/l)	MW-26A	0	NaN	NaN	No	2	100	NaN	NP
Mercury (mg/l)	MW-300	0.00000...	NaN	NaN	No	2	100	NaN	NP
Mercury (mg/l)	MW-301	-0.0000...	-13	-31	No	11	100	0.02	NP
Mercury (mg/l)	MW-302R	-4.1e-7	NaN	NaN	No	2	100	NaN	NP
Mercury (mg/l)	MW-305	-4.1e-7	NaN	NaN	No	2	100	NaN	NP
Mercury (mg/l)	MW-9AR (bg)	0	NaN	NaN	No	2	100	NaN	NP
Nickel (mg/l)	**MW-15**	**0.0005552**	**84**	**73**	**Yes**	**20**	**0**	**0.02**	**NP**
Nickel (mg/l)	MW-18	-0.001264	-40	-68	No	19	0	0.02	NP
Nickel (mg/l)	MW-19	-0.001851	-61	-63	No	18	0	0.02	NP
Nickel (mg/l)	MW-20	0.0009949	43	63	No	18	0	0.02	NP
Nickel (mg/l)	MW-201B (bg)	0.00009825	50	63	No	18	61.11	0.02	NP
Nickel (mg/l)	MW-22	-0.0000...	-6	-58	No	17	0	0.02	NP
Nickel (mg/l)	MW-24	-0.001902	-61	-73	No	20	0	0.02	NP
Nickel (mg/l)	**MW-26A**	**0.0009535**	**56**	**53**	**Yes**	**16**	**0**	**0.02**	**NP**
Nickel (mg/l)	MW-300	-0.001636	-53	-63	No	18	5.556	0.02	NP
Nickel (mg/l)	**MW-301**	**-0.001087**	**-69**	**-63**	**Yes**	**18**	**0**	**0.02**	**NP**
Nickel (mg/l)	**MW-302R**	**-0.001314**	**-94**	**-73**	**Yes**	**20**	**20**	**0.02**	**NP**
Nickel (mg/l)	MW-303	0.006674	60	78	No	21	9.524	0.02	NP
Nickel (mg/l)	MW-304R	0.0005939	50	73	No	20	10	0.02	NP
Nickel (mg/l)	MW-305	-0.0000...	-4	-68	No	19	26.32	0.02	NP
Nickel (mg/l)	MW-501	0.0003212	2	20	No	8	0	0.02	NP
Nickel (mg/l)	**MW-9AR (bg)**	**0.00007429**	**41**	**35**	**Yes**	**12**	**91.67**	**0.02**	**NP**
Selenium (mg/l)	**MW-15**	**0.00003949**	**68**	**53**	**Yes**	**16**	**93.75**	**0.02**	**NP**
Selenium (mg/l)	**MW-18**	**0.00008512**	**72**	**53**	**Yes**	**16**	**68.75**	**0.02**	**NP**
Selenium (mg/l)	MW-19	0.00002039	41	53	No	16	81.25	0.02	NP
Selenium (mg/l)	MW-20	0.00003548	45	53	No	16	81.25	0.02	NP
Selenium (mg/l)	MW-201B (bg)	0.00001519	36	44	No	14	100	0.02	NP
Selenium (mg/l)	**MW-22**	**0.00007092**	**82**	**53**	**Yes**	**16**	**81.25**	**0.02**	**NP**
Selenium (mg/l)	MW-24	0.00002037	57	58	No	17	82.35	0.02	NP
Selenium (mg/l)	MW-26A	0.00005164	44	48	No	15	93.33	0.02	NP
Selenium (mg/l)	**MW-300**	**0.000099**	**84**	**58**	**Yes**	**17**	**70.59**	**0.02**	**NP**
Selenium (mg/l)	MW-301	0.00002445	48	58	No	17	94.12	0.02	NP
Selenium (mg/l)	**MW-302R**	**0.00002392**	**59**	**53**	**Yes**	**16**	**93.75**	**0.02**	**NP**
Selenium (mg/l)	MW-303	0.00000...	26	68	No	19	78.95	0.02	NP
Selenium (mg/l)	MW-304R	0.00003114	55	58	No	17	94.12	0.02	NP
Selenium (mg/l)	**MW-305**	**0.00002888**	**71**	**68**	**Yes**	**19**	**100**	**0.02**	**NP**
Selenium (mg/l)	MW-501	0	12	20	No	8	100	0.02	NP
Selenium (mg/l)	MW-9AR (bg)	0.00005222	35	44	No	14	78.57	0.02	NP
Silver (mg/l)	**MW-15**	**0.00004966**	**109**	**68**	**Yes**	**19**	**100**	**0.02**	**NP**
Silver (mg/l)	**MW-18**	**0.00004956**	**98**	**63**	**Yes**	**18**	**88.89**	**0.02**	**NP**
Silver (mg/l)	**MW-19**	**0.00004936**	**99**	**63**	**Yes**	**18**	**100**	**0.02**	**NP**
Silver (mg/l)	**MW-20**	**0.00004932**	**99**	**63**	**Yes**	**18**	**100**	**0.02**	**NP**
Silver (mg/l)	**MW-201B (bg)**	**0.0000492**	**99**	**63**	**Yes**	**18**	**100**	**0.02**	**NP**
Silver (mg/l)	**MW-22**	**0.00004612**	**93**	**63**	**Yes**	**18**	**100**	**0.02**	**NP**
Silver (mg/l)	**MW-24**	**0.00004972**	**109**	**68**	**Yes**	**19**	**94.74**	**0.02**	**NP**
Silver (mg/l)	**MW-26A**	**0.00004731**	**62**	**48**	**Yes**	**15**	**100**	**0.02**	**NP**
Silver (mg/l)	**MW-300**	**0.00004812**	**79**	**63**	**Yes**	**18**	**88.89**	**0.02**	**NP**
Silver (mg/l)	**MW-301**	**0.00004942**	**96**	**63**	**Yes**	**18**	**94.44**	**0.02**	**NP**
Silver (mg/l)	**MW-302R**	**0.00004753**	**101**	**68**	**Yes**	**19**	**100**	**0.02**	**NP**

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Silver (mg/l)	**MW-303**	**0.00004905**	**124**	**73**	**Yes**	**20**	**100**	**0.02**	**NP**
Silver (mg/l)	**MW-304R**	**0.00004934**	**101**	**68**	**Yes**	**19**	**100**	**0.02**	**NP**
Silver (mg/l)	**MW-305**	**0.00004808**	**107**	**68**	**Yes**	**19**	**94.74**	**0.02**	**NP**
Silver (mg/l)	**MW-501**	**0.00003424**	**21**	**20**	**Yes**	**8**	**100**	**0.02**	**NP**
Silver (mg/l)	**MW-9AR (bg)**	**0.00004205**	**71**	**44**	**Yes**	**14**	**100**	**0.02**	**NP**
Sulfide (mg/l)	MW-15	0	NaN	NaN	No	2	100	NaN	NP
Sulfide (mg/l)	MW-18	-0.01255	NaN	NaN	No	2	50	NaN	NP
Sulfide (mg/l)	MW-19	0.01027	NaN	NaN	No	2	100	NaN	NP
Sulfide (mg/l)	MW-20	0.4492	30	44	No	14	28.57	0.02	NP
Sulfide (mg/l)	MW-201B (bg)	0	16	48	No	15	93.33	0.02	NP
Sulfide (mg/l)	MW-22	0.01029	NaN	NaN	No	2	100	NaN	NP
Sulfide (mg/l)	MW-24	0	NaN	NaN	No	2	100	NaN	NP
Sulfide (mg/l)	MW-26A	0	NaN	NaN	No	2	100	NaN	NP
Sulfide (mg/l)	MW-300	0.01495	22	31	No	11	90.91	0.02	NP
Sulfide (mg/l)	MW-301	-0.02698	NaN	NaN	No	2	100	NaN	NP
Sulfide (mg/l)	MW-302R	0	NaN	NaN	No	2	100	NaN	NP
Sulfide (mg/l)	MW-305	0	NaN	NaN	No	2	100	NaN	NP
Sulfide (mg/l)	MW-9AR (bg)	0	0	35	No	12	100	0.02	NP
Thallium (mg/l)	MW-15	0.00002972	65	68	No	19	100	0.02	NP
Thallium (mg/l)	**MW-18**	**0.00003295**	**92**	**63**	**Yes**	**18**	**61.11**	**0.02**	**NP**
Thallium (mg/l)	MW-19	0.00002585	50	63	No	18	94.44	0.02	NP
Thallium (mg/l)	MW-20	0.00002568	51	63	No	18	100	0.02	NP
Thallium (mg/l)	**MW-201B (bg)**	**0.00003325**	**80**	**58**	**Yes**	**17**	**76.47**	**0.02**	**NP**
Thallium (mg/l)	MW-22	0.00002585	53	63	No	18	100	0.02	NP
Thallium (mg/l)	MW-24	0.00002972	65	68	No	19	89.47	0.02	NP
Thallium (mg/l)	MW-26A	0.00002585	33	48	No	15	100	0.02	NP
Thallium (mg/l)	**MW-300**	**0.00003732**	**66**	**63**	**Yes**	**18**	**66.67**	**0.02**	**NP**
Thallium (mg/l)	**MW-301**	**0.00003601**	**66**	**63**	**Yes**	**18**	**94.44**	**0.02**	**NP**
Thallium (mg/l)	MW-302R	0.00002972	67	68	No	19	100	0.02	NP
Thallium (mg/l)	MW-303	0.00002963	68	73	No	20	100	0.02	NP
Thallium (mg/l)	MW-304R	0.00003527	62	68	No	19	89.47	0.02	NP
Thallium (mg/l)	**MW-305**	**0.00003341**	**70**	**68**	**Yes**	**19**	**89.47**	**0.02**	**NP**
Thallium (mg/l)	MW-501	0	0	20	No	8	100	0.02	NP
Thallium (mg/l)	MW-9AR (bg)	0	14	39	No	13	100	0.02	NP
Tin (mg/l)	MW-15	0.0002852	NaN	NaN	No	2	100	NaN	NP
Tin (mg/l)	MW-18	0.0002748	NaN	NaN	No	2	100	NaN	NP
Tin (mg/l)	MW-19	0.0004367	NaN	NaN	No	2	100	NaN	NP
Tin (mg/l)	MW-20	0.000437	NaN	NaN	No	2	100	NaN	NP
Tin (mg/l)	MW-201B (bg)	-0.0000...	NaN	NaN	No	3	100	NaN	NP
Tin (mg/l)	MW-22	0.0004374	NaN	NaN	No	2	100	NaN	NP
Tin (mg/l)	MW-24	0.0002852	NaN	NaN	No	2	100	NaN	NP
Tin (mg/l)	MW-26A	0	NaN	NaN	No	2	100	NaN	NP
Tin (mg/l)	MW-300	0.0004367	NaN	NaN	No	2	100	NaN	NP
Tin (mg/l)	MW-301	0	-1	-31	No	11	100	0.02	NP
Tin (mg/l)	MW-302R	0.0002852	NaN	NaN	No	2	100	NaN	NP
Tin (mg/l)	MW-305	0.0002852	NaN	NaN	No	2	100	NaN	NP
Tin (mg/l)	MW-9AR (bg)	0.0006912	NaN	NaN	No	3	66.67	NaN	NP
Vanadium (mg/l)	MW-15	0.00009777	34	68	No	19	15.79	0.02	NP
Vanadium (mg/l)	**MW-18**	**0.00007048**	**72**	**63**	**Yes**	**18**	**88.89**	**0.02**	**NP**
Vanadium (mg/l)	**MW-19**	**0.00008066**	**76**	**63**	**Yes**	**18**	**77.78**	**0.02**	**NP**

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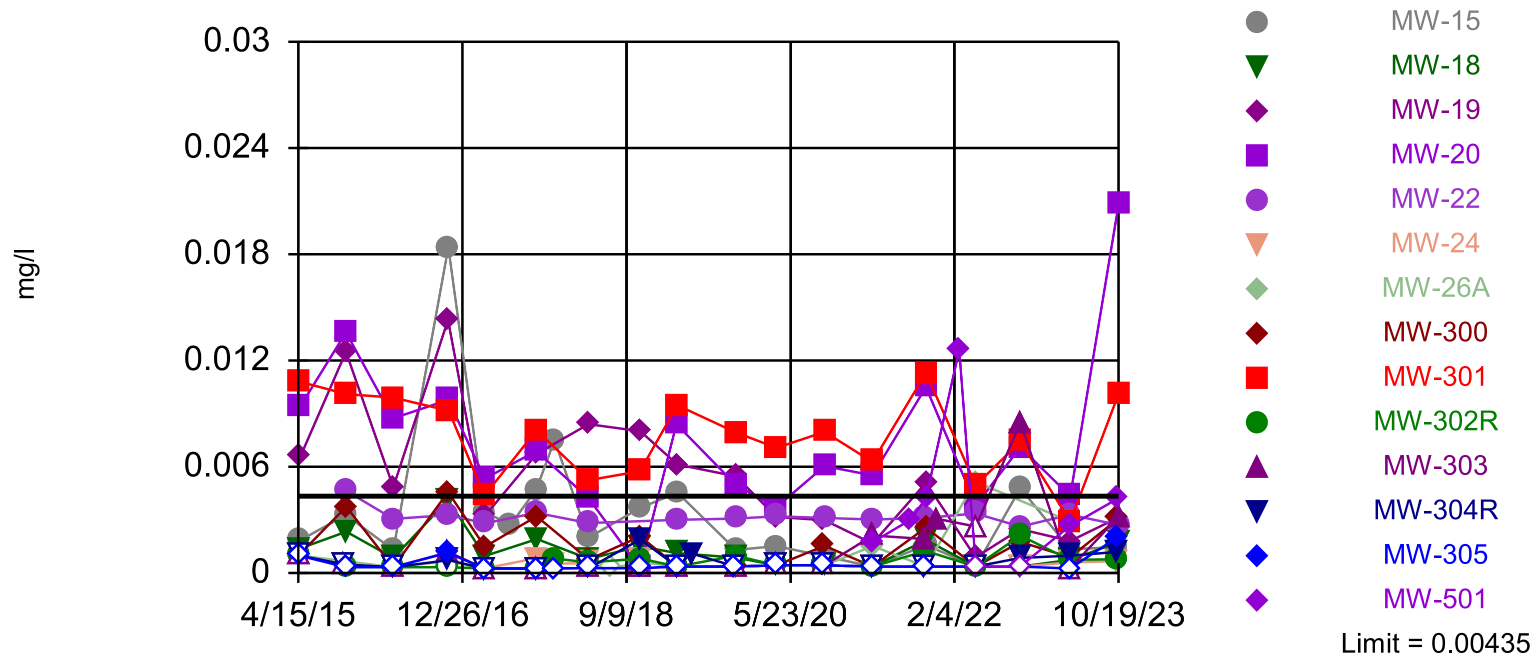
Vanadium (mg/l)	MW-20	-0.0000...	-24	-63	No	18	0	0.02	NP
Vanadium (mg/l)	**MW-201B (bg)**	**0.0001395**	**66**	**63**	**Yes**	**18**	**61.11**	**0.02**	**NP**
Vanadium (mg/l)	**MW-22**	**0.00007643**	**93**	**58**	**Yes**	**17**	**82.35**	**0.02**	**NP**
Vanadium (mg/l)	**MW-24**	**0.00004408**	**72**	**58**	**Yes**	**17**	**64.71**	**0.02**	**NP**
Vanadium (mg/l)	**MW-26A**	**0.00006344**	**41**	**39**	**Yes**	**13**	**61.54**	**0.02**	**NP**
Vanadium (mg/l)	**MW-300**	**0.0000824**	**77**	**63**	**Yes**	**18**	**88.89**	**0.02**	**NP**
Vanadium (mg/l)	MW-301	0.00006112	50	63	No	18	94.44	0.02	NP
Vanadium (mg/l)	MW-302R	0.00003951	33	68	No	19	73.68	0.02	NP
Vanadium (mg/l)	**MW-303**	**0.00007275**	**86**	**58**	**Yes**	**17**	**94.12**	**0.02**	**NP**
Vanadium (mg/l)	**MW-304R**	**0.00006864**	**64**	**48**	**Yes**	**15**	**86.67**	**0.02**	**NP**
Vanadium (mg/l)	MW-305	0.00004857	44	68	No	19	78.95	0.02	NP
Vanadium (mg/l)	MW-501	0	6	17	No	7	71.43	0.02	NP
Vanadium (mg/l)	**MW-9AR (bg)**	**0.0001103**	**52**	**44**	**Yes**	**14**	**100**	**0.02**	**NP**
Zinc (mg/l)	MW-15	0	-13	-48	No	15	93.33	0.02	NP
Zinc (mg/l)	MW-18	0	-39	-58	No	17	70.59	0.02	NP
Zinc (mg/l)	MW-19	0	14	53	No	16	93.75	0.02	NP
Zinc (mg/l)	MW-20	0	-12	-53	No	16	93.75	0.02	NP
Zinc (mg/l)	MW-201B (bg)	0	17	44	No	14	71.43	0.02	NP
Zinc (mg/l)	MW-22	0	-30	-53	No	16	93.75	0.02	NP
Zinc (mg/l)	**MW-24**	**0**	**-54**	**-53**	**Yes**	**16**	**93.75**	**0.02**	**NP**
Zinc (mg/l)	MW-26A	0	3	44	No	14	100	0.02	NP
Zinc (mg/l)	MW-300	0	-29	-48	No	15	86.67	0.02	NP
Zinc (mg/l)	MW-301	0	-18	-58	No	17	100	0.02	NP
Zinc (mg/l)	MW-302R	-0.0000...	-34	-44	No	14	85.71	0.02	NP
Zinc (mg/l)	MW-303	0	-13	-68	No	19	94.74	0.02	NP
Zinc (mg/l)	MW-304R	0	-31	-53	No	16	93.75	0.02	NP
Zinc (mg/l)	**MW-305**	**-0.00031**	**-56**	**-48**	**Yes**	**15**	**100**	**0.02**	**NP**
Zinc (mg/l)	MW-501	0	-11	-20	No	8	75	0.02	NP
Zinc (mg/l)	MW-9AR (bg)	0	-27	-44	No	14	92.86	0.02	NP

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-20, MW-301

Prediction Limit

Interwell Parametric



Background Data Summary (based on square root transformation): Mean=0.03759, Std. Dev.=0.01185, n=32, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.925, critical = 0.904. Kappa = 2.395 (c=15, w=13, 1 of 2, event alpha = 0.05132). Report alpha = 0.003506. Individual comparison alpha = 0.0002701. Comparing 14 points to limit.

Constituent: Arsenic Analysis Run 11/20/2023 10:05 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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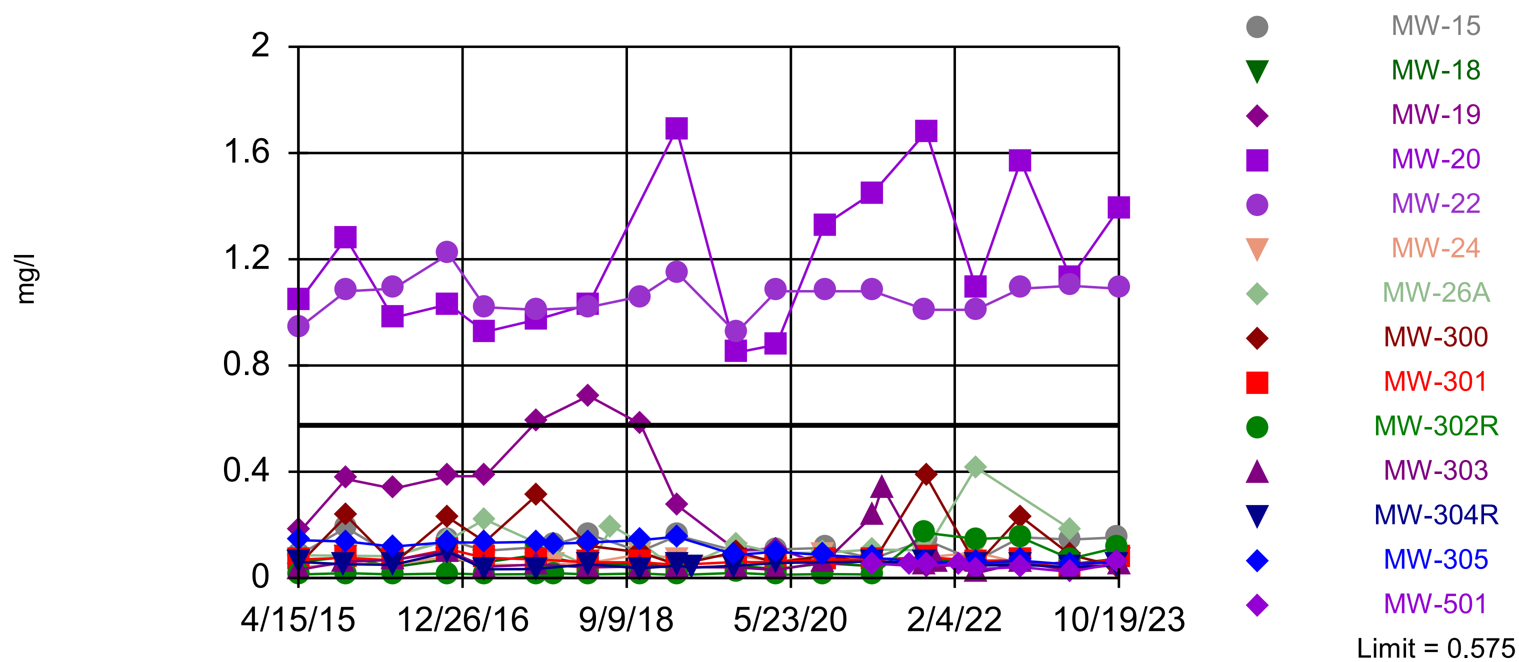
Exceeds Limit: MW-20, MW-22

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. Annual per-constituent alpha = 0.04211. Individual comparison alpha = 0.001654 (1 of 2). Comparing 14 points to limit.

Constituent: Barium Analysis Run 11/20/2023 10:05 AM View: App I_Metals

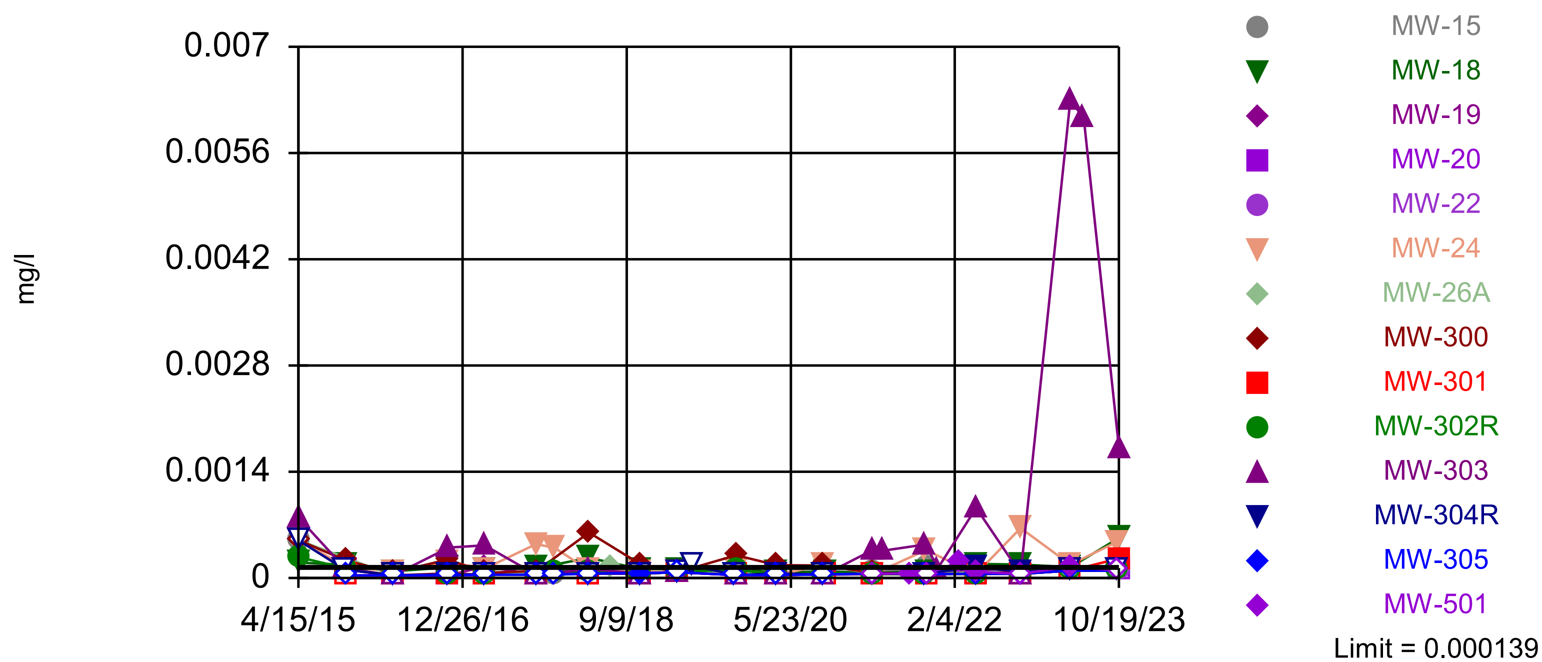
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-18, MW-24, MW-301, MW-303

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Annual per-constituent alpha = 0.04648. Individual comparison alpha = 0.001829 (1 of 2). Comparing 14 points to limit.

Constituent: Cadmium Analysis Run 11/20/2023 10:05 AM View: App I_Metals

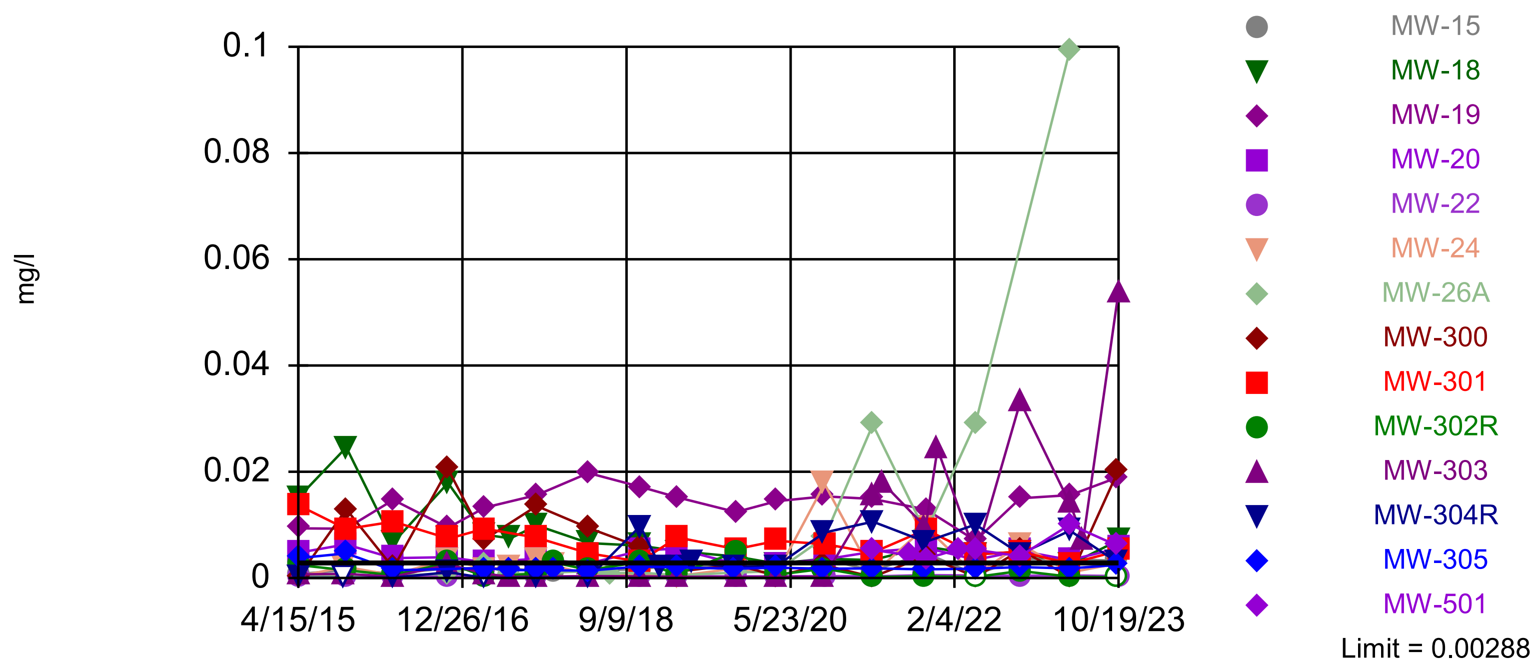
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-15, MW-18, MW-19, MW-20, MW-26A, MW-300, MW-301, MW-303, MW-501

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. 25% NDs. Annual per-constituent alpha = 0.04211. Individual comparison alpha = 0.001654 (1 of 2). Comparing 14 points to limit.

Constituent: Cobalt Analysis Run 11/20/2023 10:05 AM View: App I_Metals

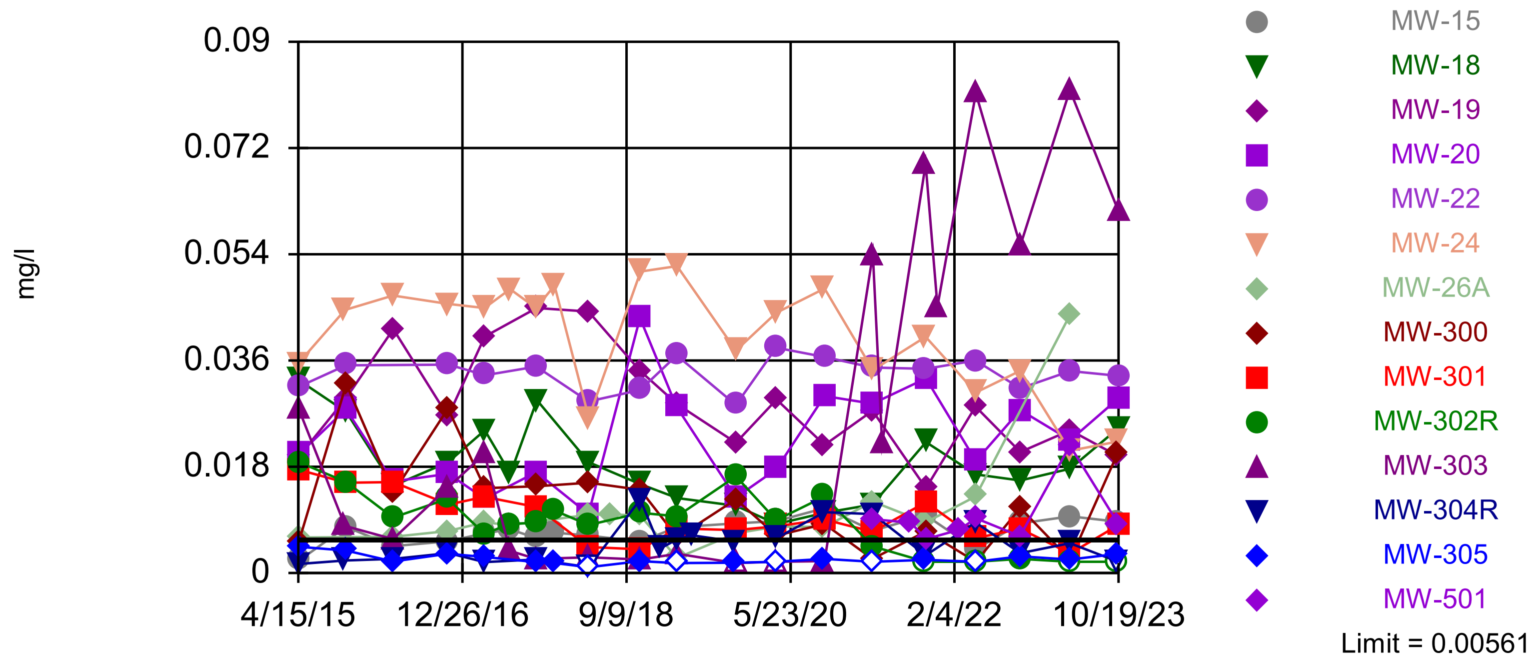
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-15, MW-18, MW-19, MW-20, MW-22, MW-24, MW-26A, MW-300, MW-301, MW-303, MW-501

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 73.33% NDs. Annual per-constituent alpha = 0.04648. Individual comparison alpha = 0.001829 (1 of 2). Comparing 14 points to limit.

Constituent: Nickel   Analysis Run 11/20/2023 10:05 AM   View: App I_Metals

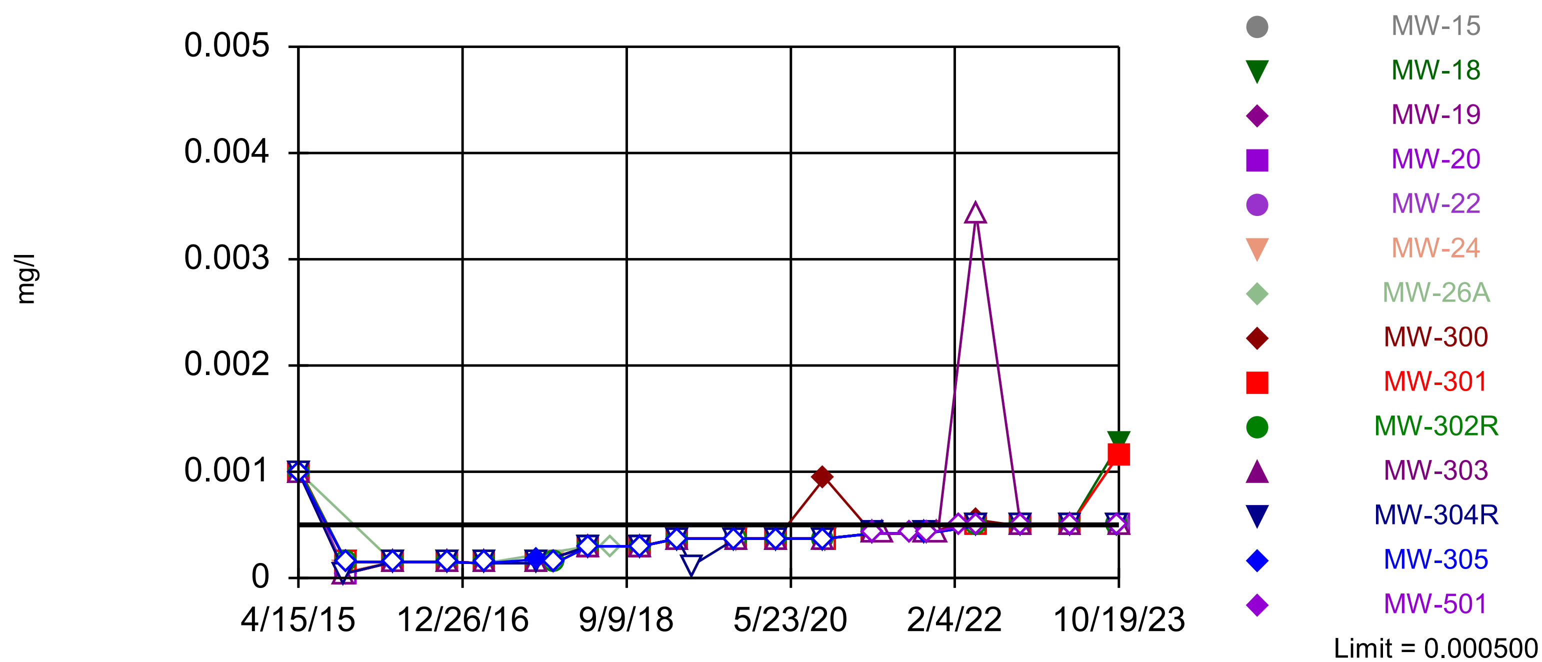
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-18, MW-301

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Annual per-constituent alpha = 0.04211. Individual comparison alpha = 0.001654 (1 of 2). Comparing 14 points to limit.

Constituent: Silver Analysis Run 11/20/2023 10:05 AM View: App I_Metals

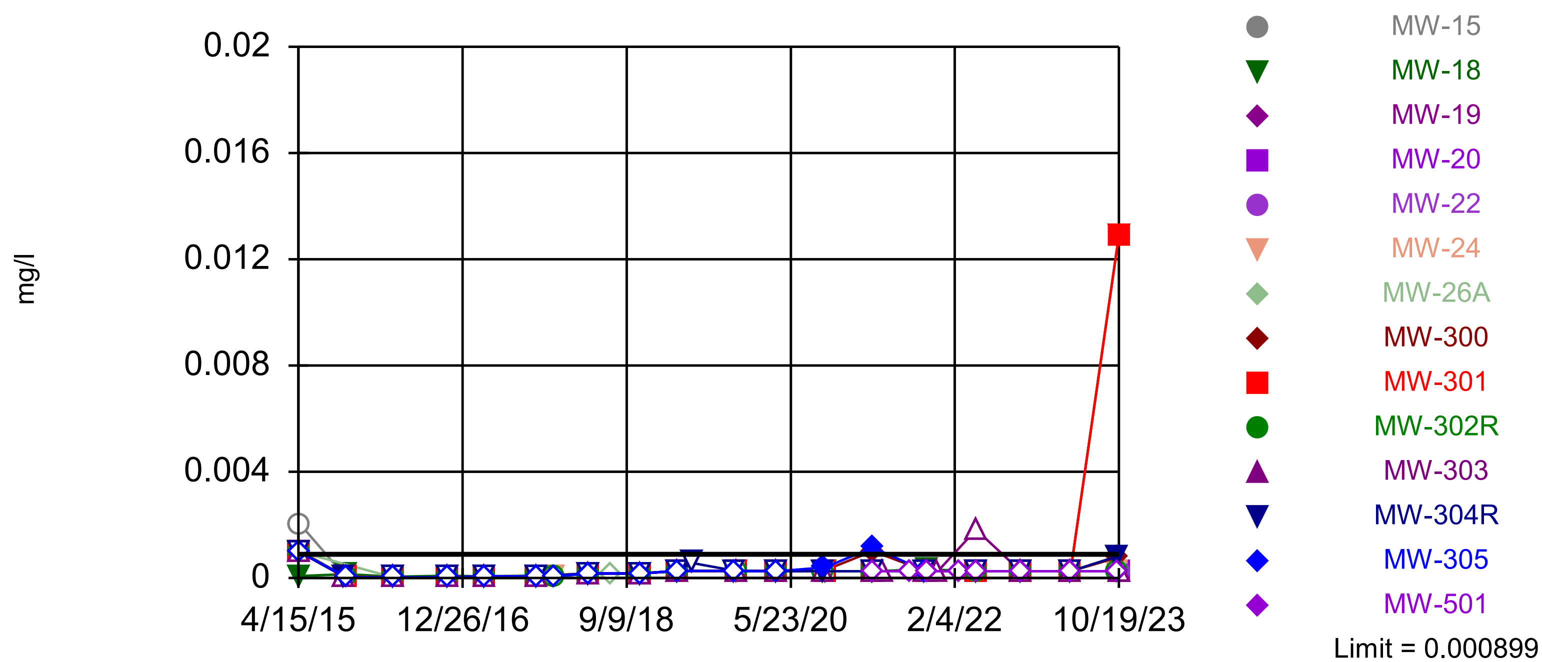
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-18, MW-301

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Annual per-constituent alpha = 0.04648. Individual comparison alpha = 0.001829 (1 of 2). Comparing 14 points to limit.

Constituent: Thallium Analysis Run 11/20/2023 10:05 AM View: App I_Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Prediction Limit

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/20/2023, 10:15 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/l)	MW-15	0.00230	10/18/2023	0.001ND	No	32	MW-201B,MW-9AR	n/a	n/a	53.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Antimony (mg/l)	MW-18	0.00230	10/19/2023	0.00193J	No	32	MW-201B,MW-9AR	n/a	n/a	53.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Antimony (mg/l)	MW-19	0.00230	10/18/2023	0.001ND	No	32	MW-201B,MW-9AR	n/a	n/a	53.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Antimony (mg/l)	MW-20	0.00230	10/19/2023	0.001ND	No	32	MW-201B,MW-9AR	n/a	n/a	53.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Antimony (mg/l)	MW-22	0.00230	10/19/2023	0.001ND	No	32	MW-201B,MW-9AR	n/a	n/a	53.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Antimony (mg/l)	MW-24	0.00230	10/18/2023	0.001ND	No	32	MW-201B,MW-9AR	n/a	n/a	53.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Antimony (mg/l)	MW-26A	0.00230	4/18/2023	0.001ND	No	32	MW-201B,MW-9AR	n/a	n/a	53.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Antimony (mg/l)	MW-300	0.00230	10/18/2023	0.001ND	No	32	MW-201B,MW-9AR	n/a	n/a	53.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Antimony (mg/l)	MW-301	0.00230	10/19/2023	0.00192J	No	32	MW-201B,MW-9AR	n/a	n/a	53.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Antimony (mg/l)	MW-302R	0.00230	10/18/2023	0.001ND	No	32	MW-201B,MW-9AR	n/a	n/a	53.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Antimony (mg/l)	MW-303	0.00230	10/19/2023	0.001ND	No	32	MW-201B,MW-9AR	n/a	n/a	53.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Antimony (mg/l)	MW-304R	0.00230	10/18/2023	0.001ND	No	32	MW-201B,MW-9AR	n/a	n/a	53.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Antimony (mg/l)	MW-305	0.00230	10/18/2023	0.001ND	No	32	MW-201B,MW-9AR	n/a	n/a	53.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Antimony (mg/l)	MW-501	0.00230	10/18/2023	0.001ND	No	32	MW-201B,MW-9AR	n/a	n/a	53.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Arsenic (mg/l)	MW-15	0.00435	10/18/2023	0.00147J	No	32	MW-201B,MW-9AR	0.03759	0.01185	12.5	None	sqrt(x)	0.000...	Param Inter 1 of 2
Arsenic (mg/l)	MW-18	0.00435	10/19/2023	0.00174J	No	32	MW-201B,MW-9AR	0.03759	0.01185	12.5	None	sqrt(x)	0.000...	Param Inter 1 of 2
Arsenic (mg/l)	MW-19	0.00435	10/18/2023	0.00313	No	32	MW-201B,MW-9AR	0.03759	0.01185	12.5	None	sqrt(x)	0.000...	Param Inter 1 of 2
Arsenic (mg/l)	**MW-20**	**0.00435**	**10/19/2023**	**0.0208**	**Yes**	**32**	**MW-201B,MW-9AR**	**0.03759**	**0.01185**	**12.5**	**None**	**sqrt(x)**	**0.000...**	**Param Inter 1 of 2**
Arsenic (mg/l)	MW-22	0.00435	10/19/2023	0.00272	No	32	MW-201B,MW-9AR	0.03759	0.01185	12.5	None	sqrt(x)	0.000...	Param Inter 1 of 2
Arsenic (mg/l)	MW-24	0.00435	10/18/2023	0.000677J	No	32	MW-201B,MW-9AR	0.03759	0.01185	12.5	None	sqrt(x)	0.000...	Param Inter 1 of 2
Arsenic (mg/l)	MW-26A	0.00435	4/18/2023	0.00292	No	32	MW-201B,MW-9AR	0.03759	0.01185	12.5	None	sqrt(x)	0.000...	Param Inter 1 of 2
Arsenic (mg/l)	MW-300	0.00435	10/18/2023	0.00307	No	32	MW-201B,MW-9AR	0.03759	0.01185	12.5	None	sqrt(x)	0.000...	Param Inter 1 of 2
Arsenic (mg/l)	**MW-301**	**0.00435**	**10/19/2023**	**0.0101**	**Yes**	**32**	**MW-201B,MW-9AR**	**0.03759**	**0.01185**	**12.5**	**None**	**sqrt(x)**	**0.000...**	**Param Inter 1 of 2**
Arsenic (mg/l)	MW-302R	0.00435	10/18/2023	0.000787J	No	32	MW-201B,MW-9AR	0.03759	0.01185	12.5	None	sqrt(x)	0.000...	Param Inter 1 of 2
Arsenic (mg/l)	MW-303	0.00435	10/19/2023	0.00318	No	32	MW-201B,MW-9AR	0.03759	0.01185	12.5	None	sqrt(x)	0.000...	Param Inter 1 of 2
Arsenic (mg/l)	MW-304R	0.00435	10/18/2023	0.0012J	No	32	MW-201B,MW-9AR	0.03759	0.01185	12.5	None	sqrt(x)	0.000...	Param Inter 1 of 2
Arsenic (mg/l)	MW-305	0.00435	10/18/2023	0.00204	No	32	MW-201B,MW-9AR	0.03759	0.01185	12.5	None	sqrt(x)	0.000...	Param Inter 1 of 2
Arsenic (mg/l)	MW-501	0.00435	10/18/2023	0.00421	No	32	MW-201B,MW-9AR	0.03759	0.01185	12.5	None	sqrt(x)	0.000...	Param Inter 1 of 2
Barium (mg/l)	MW-15	0.575	10/18/2023	0.153	No	32	MW-201B,MW-9AR	n/a	n/a	0	n/a	n/a	0.001654	NP Inter (normality) ...
Barium (mg/l)	MW-18	0.575	10/19/2023	0.0738	No	32	MW-201B,MW-9AR	n/a	n/a	0	n/a	n/a	0.001654	NP Inter (normality) ...
Barium (mg/l)	MW-19	0.575	10/18/2023	0.0421	No	32	MW-201B,MW-9AR	n/a	n/a	0	n/a	n/a	0.001654	NP Inter (normality) ...
Barium (mg/l)	**MW-20**	**0.575**	**10/19/2023**	**1.39**	**Yes**	**32**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.001654**	**NP Inter (normality) ...**
Barium (mg/l)	**MW-22**	**0.575**	**10/19/2023**	**1.09**	**Yes**	**32**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.001654**	**NP Inter (normality) ...**
Barium (mg/l)	MW-24	0.575	10/18/2023	0.051	No	32	MW-201B,MW-9AR	n/a	n/a	0	n/a	n/a	0.001654	NP Inter (normality) ...
Barium (mg/l)	MW-26A	0.575	4/18/2023	0.185	No	32	MW-201B,MW-9AR	n/a	n/a	0	n/a	n/a	0.001654	NP Inter (normality) ...
Barium (mg/l)	MW-300	0.575	10/18/2023	0.042	No	32	MW-201B,MW-9AR	n/a	n/a	0	n/a	n/a	0.001654	NP Inter (normality) ...
Barium (mg/l)	MW-301	0.575	10/19/2023	0.0807	No	32	MW-201B,MW-9AR	n/a	n/a	0	n/a	n/a	0.001654	NP Inter (normality) ...
Barium (mg/l)	MW-302R	0.575	10/18/2023	0.116	No	32	MW-201B,MW-9AR	n/a	n/a	0	n/a	n/a	0.001654	NP Inter (normality) ...
Barium (mg/l)	MW-303	0.575	10/19/2023	0.0517	No	32	MW-201B,MW-9AR	n/a	n/a	0	n/a	n/a	0.001654	NP Inter (normality) ...
Barium (mg/l)	MW-304R	0.575	10/18/2023	0.0491	No	32	MW-201B,MW-9AR	n/a	n/a	0	n/a	n/a	0.001654	NP Inter (normality) ...
Barium (mg/l)	MW-305	0.575	10/18/2023	0.0616	No	32	MW-201B,MW-9AR	n/a	n/a	0	n/a	n/a	0.001654	NP Inter (normality) ...
Barium (mg/l)	MW-501	0.575	10/18/2023	0.0584	No	32	MW-201B,MW-9AR	n/a	n/a	0	n/a	n/a	0.001654	NP Inter (normality) ...
Beryllium (m...	MW-15	0.000330	10/18/2023	0.00033ND	No	31	MW-201B,MW-9AR	n/a	n/a	93.55	n/a	n/a	0.001741	NP Inter (NDs) 1 of 2
Beryllium (m...	MW-18	0.000330	10/19/2023	0.00033ND	No	31	MW-201B,MW-9AR	n/a	n/a	93.55	n/a	n/a	0.001741	NP Inter (NDs) 1 of 2
Beryllium (m...	MW-19	0.000330	10/18/2023	0.00033ND	No	31	MW-201B,MW-9AR	n/a	n/a	93.55	n/a	n/a	0.001741	NP Inter (NDs) 1 of 2
Beryllium (m...	MW-20	0.000330	10/19/2023	0.00033ND	No	31	MW-201B,MW-9AR	n/a	n/a	93.55	n/a	n/a	0.001741	NP Inter (NDs) 1 of 2
Beryllium (m...	MW-22	0.000330	10/19/2023	0.00033ND	No	31	MW-201B,MW-9AR	n/a	n/a	93.55	n/a	n/a	0.001741	NP Inter (NDs) 1 of 2
Beryllium (m...	MW-24	0.000330	10/18/2023	0.00033ND	No	31	MW-201B,MW-9AR	n/a	n/a	93.55	n/a	n/a	0.001741	NP Inter (NDs) 1 of 2
Beryllium (m...	MW-26A	0.000330	4/18/2023	0.00033ND	No	31	MW-201B,MW-9AR	n/a	n/a	93.55	n/a	n/a	0.001741	NP Inter (NDs) 1 of 2
Beryllium (m...	MW-300	0.000330	10/18/2023	0.00033ND	No	31	MW-201B,MW-9AR	n/a	n/a	93.55	n/a	n/a	0.001741	NP Inter (NDs) 1 of 2

Prediction Limit

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/20/2023, 10:15 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (m...	MW-301	0.000330	10/19/2023	0.00033ND	No	31	MW-201B,MW-9AR	n/a	n/a	93.55	n/a	n/a	0.001741	NP Inter (NDs) 1 of 2
Beryllium (m...	MW-302R	0.000330	10/18/2023	0.00033ND	No	31	MW-201B,MW-9AR	n/a	n/a	93.55	n/a	n/a	0.001741	NP Inter (NDs) 1 of 2
Beryllium (m...	MW-303	0.000330	10/19/2023	0.00033ND	No	31	MW-201B,MW-9AR	n/a	n/a	93.55	n/a	n/a	0.001741	NP Inter (NDs) 1 of 2
Beryllium (m...	MW-304R	0.000330	10/18/2023	0.00033ND	No	31	MW-201B,MW-9AR	n/a	n/a	93.55	n/a	n/a	0.001741	NP Inter (NDs) 1 of 2
Beryllium (m...	MW-305	0.000330	10/18/2023	0.00033ND	No	31	MW-201B,MW-9AR	n/a	n/a	93.55	n/a	n/a	0.001741	NP Inter (NDs) 1 of 2
Beryllium (m...	MW-501	0.000330	10/18/2023	0.00033ND	No	31	MW-201B,MW-9AR	n/a	n/a	93.55	n/a	n/a	0.001741	NP Inter (NDs) 1 of 2
Cadmium (mg/l)	MW-15	0.000139	10/18/2023	0.000134J	No	30	MW-201B,MW-9AR	n/a	n/a	90	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Cadmium (mg/l)	**MW-18**	**0.000139**	**10/19/2023**	**0.00053**	**Yes**	**30**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.001829**	**NP Inter (NDs) 1 of 2**
Cadmium (mg/l)	MW-19	0.000139	10/18/2023	0.0001ND	No	30	MW-201B,MW-9AR	n/a	n/a	90	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Cadmium (mg/l)	MW-20	0.000139	10/19/2023	0.0001ND	No	30	MW-201B,MW-9AR	n/a	n/a	90	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Cadmium (mg/l)	MW-22	0.000139	10/19/2023	0.0001ND	No	30	MW-201B,MW-9AR	n/a	n/a	90	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Cadmium (mg/l)	**MW-24**	**0.000139**	**10/18/2023**	**0.000488**	**Yes**	**30**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.001829**	**NP Inter (NDs) 1 of 2**
Cadmium (mg/l)	MW-26A	0.000139	4/18/2023	0.0001ND	No	30	MW-201B,MW-9AR	n/a	n/a	90	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Cadmium (mg/l)	MW-300	0.000139	10/18/2023	0.0001ND	No	30	MW-201B,MW-9AR	n/a	n/a	90	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Cadmium (mg/l)	**MW-301**	**0.000139**	**10/19/2023**	**0.00026**	**Yes**	**30**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.001829**	**NP Inter (NDs) 1 of 2**
Cadmium (mg/l)	MW-302R	0.000139	10/18/2023	0.0001ND	No	30	MW-201B,MW-9AR	n/a	n/a	90	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Cadmium (mg/l)	**MW-303**	**0.000139**	**10/19/2023**	**0.00172**	**Yes**	**30**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.001829**	**NP Inter (NDs) 1 of 2**
Cadmium (mg/l)	MW-304R	0.000139	10/18/2023	0.0001ND	No	30	MW-201B,MW-9AR	n/a	n/a	90	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Cadmium (mg/l)	MW-305	0.000139	10/18/2023	0.0001ND	No	30	MW-201B,MW-9AR	n/a	n/a	90	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Cadmium (mg/l)	MW-501	0.000139	10/18/2023	0.0001ND	No	30	MW-201B,MW-9AR	n/a	n/a	90	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Chromium (mg/l)	MW-15	0.0134	10/18/2023	0.0011ND	No	32	MW-201B,MW-9AR	n/a	n/a	81.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Chromium (mg/l)	MW-18	0.0134	10/19/2023	0.0011ND	No	32	MW-201B,MW-9AR	n/a	n/a	81.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Chromium (mg/l)	MW-19	0.0134	10/18/2023	0.0011ND	No	32	MW-201B,MW-9AR	n/a	n/a	81.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Chromium (mg/l)	MW-20	0.0134	10/19/2023	0.00199J	No	32	MW-201B,MW-9AR	n/a	n/a	81.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Chromium (mg/l)	MW-22	0.0134	10/19/2023	0.0011ND	No	32	MW-201B,MW-9AR	n/a	n/a	81.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Chromium (mg/l)	MW-24	0.0134	10/18/2023	0.0011ND	No	32	MW-201B,MW-9AR	n/a	n/a	81.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Chromium (mg/l)	MW-26A	0.0134	4/18/2023	0.0011ND	No	32	MW-201B,MW-9AR	n/a	n/a	81.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Chromium (mg/l)	MW-300	0.0134	10/18/2023	0.0011ND	No	32	MW-201B,MW-9AR	n/a	n/a	81.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Chromium (mg/l)	MW-301	0.0134	10/19/2023	0.0011ND	No	32	MW-201B,MW-9AR	n/a	n/a	81.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Chromium (mg/l)	MW-302R	0.0134	10/18/2023	0.0011ND	No	32	MW-201B,MW-9AR	n/a	n/a	81.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Chromium (mg/l)	MW-303	0.0134	10/19/2023	0.0011ND	No	32	MW-201B,MW-9AR	n/a	n/a	81.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Chromium (mg/l)	MW-304R	0.0134	10/18/2023	0.0011ND	No	32	MW-201B,MW-9AR	n/a	n/a	81.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Chromium (mg/l)	MW-305	0.0134	10/18/2023	0.0011ND	No	32	MW-201B,MW-9AR	n/a	n/a	81.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Chromium (mg/l)	MW-501	0.0134	10/18/2023	0.0011ND	No	32	MW-201B,MW-9AR	n/a	n/a	81.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Cobalt (mg/l)	**MW-15**	**0.00288**	**10/18/2023**	**0.0033**	**Yes**	**32**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**25**	**n/a**	**n/a**	**0.001654**	**NP Inter (normality) ...**
Cobalt (mg/l)	**MW-18**	**0.00288**	**10/19/2023**	**0.0071**	**Yes**	**32**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**25**	**n/a**	**n/a**	**0.001654**	**NP Inter (normality) ...**
Cobalt (mg/l)	**MW-19**	**0.00288**	**10/18/2023**	**0.019**	**Yes**	**32**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**25**	**n/a**	**n/a**	**0.001654**	**NP Inter (normality) ...**
Cobalt (mg/l)	**MW-20**	**0.00288**	**10/19/2023**	**0.00562**	**Yes**	**32**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**25**	**n/a**	**n/a**	**0.001654**	**NP Inter (normality) ...**
Cobalt (mg/l)	MW-22	0.00288	10/19/2023	0.000401J	No	32	MW-201B,MW-9AR	n/a	n/a	25	n/a	n/a	0.001654	NP Inter (normality) ...
Cobalt (mg/l)	MW-24	0.00288	10/18/2023	0.00278	No	32	MW-201B,MW-9AR	n/a	n/a	25	n/a	n/a	0.001654	NP Inter (normality) ...
Cobalt (mg/l)	**MW-26A**	**0.00288**	**4/18/2023**	**0.0994**	**Yes**	**32**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**25**	**n/a**	**n/a**	**0.001654**	**NP Inter (normality) ...**
Cobalt (mg/l)	**MW-300**	**0.00288**	**10/18/2023**	**0.0202**	**Yes**	**32**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**25**	**n/a**	**n/a**	**0.001654**	**NP Inter (normality) ...**
Cobalt (mg/l)	**MW-301**	**0.00288**	**10/19/2023**	**0.00517**	**Yes**	**32**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**25**	**n/a**	**n/a**	**0.001654**	**NP Inter (normality) ...**
Cobalt (mg/l)	MW-302R	0.00288	10/18/2023	0.00017ND	No	32	MW-201B,MW-9AR	n/a	n/a	25	n/a	n/a	0.001654	NP Inter (normality) ...
Cobalt (mg/l)	**MW-303**	**0.00288**	**10/19/2023**	**0.0539**	**Yes**	**32**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**25**	**n/a**	**n/a**	**0.001654**	**NP Inter (normality) ...**
Cobalt (mg/l)	MW-304R	0.00288	10/18/2023	0.00283	No	32	MW-201B,MW-9AR	n/a	n/a	25	n/a	n/a	0.001654	NP Inter (normality) ...
Cobalt (mg/l)	MW-305	0.00288	10/18/2023	0.00249	No	32	MW-201B,MW-9AR	n/a	n/a	25	n/a	n/a	0.001654	NP Inter (normality) ...
Cobalt (mg/l)	**MW-501**	**0.00288**	**10/18/2023**	**0.00606**	**Yes**	**32**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**25**	**n/a**	**n/a**	**0.001654**	**NP Inter (normality) ...**
Copper (mg/l)	MW-15	0.00792	10/18/2023	0.0018ND	No	30	MW-201B,MW-9AR	n/a	n/a	70	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Copper (mg/l)	MW-18	0.00792	10/19/2023	0.00197J	No	30	MW-201B,MW-9AR	n/a	n/a	70	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2

Prediction Limit

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/20/2023, 10:15 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper (mg/l)	MW-19	0.00792	10/18/2023	0.0018ND	No	30	MW-201B,MW-9AR	n/a	n/a	70	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Copper (mg/l)	MW-20	0.00792	10/19/2023	0.0018ND	No	30	MW-201B,MW-9AR	n/a	n/a	70	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Copper (mg/l)	MW-22	0.00792	10/19/2023	0.0018ND	No	30	MW-201B,MW-9AR	n/a	n/a	70	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Copper (mg/l)	MW-24	0.00792	10/18/2023	0.00316J	No	30	MW-201B,MW-9AR	n/a	n/a	70	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Copper (mg/l)	MW-26A	0.00792	4/18/2023	0.0018ND	No	30	MW-201B,MW-9AR	n/a	n/a	70	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Copper (mg/l)	MW-300	0.00792	10/18/2023	0.0018ND	No	30	MW-201B,MW-9AR	n/a	n/a	70	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Copper (mg/l)	MW-301	0.00792	10/19/2023	0.00189J	No	30	MW-201B,MW-9AR	n/a	n/a	70	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Copper (mg/l)	MW-302R	0.00792	10/18/2023	0.0018ND	No	30	MW-201B,MW-9AR	n/a	n/a	70	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Copper (mg/l)	MW-303	0.00792	10/19/2023	0.0018ND	No	30	MW-201B,MW-9AR	n/a	n/a	70	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Copper (mg/l)	MW-304R	0.00792	10/18/2023	0.0018ND	No	30	MW-201B,MW-9AR	n/a	n/a	70	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Copper (mg/l)	MW-305	0.00792	10/18/2023	0.0018ND	No	30	MW-201B,MW-9AR	n/a	n/a	70	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Copper (mg/l)	MW-501	0.00792	10/18/2023	0.00263J	No	30	MW-201B,MW-9AR	n/a	n/a	70	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Lead (mg/l)	MW-15	0.00704	10/18/2023	0.00024ND	No	32	MW-9AR,MW-201B	n/a	n/a	56.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Lead (mg/l)	MW-18	0.00704	10/19/2023	0.000641	No	32	MW-9AR,MW-201B	n/a	n/a	56.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Lead (mg/l)	MW-19	0.00704	10/18/2023	0.00024ND	No	32	MW-9AR,MW-201B	n/a	n/a	56.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Lead (mg/l)	MW-20	0.00704	10/19/2023	0.00024ND	No	32	MW-9AR,MW-201B	n/a	n/a	56.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Lead (mg/l)	MW-22	0.00704	10/19/2023	0.00024ND	No	32	MW-9AR,MW-201B	n/a	n/a	56.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Lead (mg/l)	MW-24	0.00704	10/18/2023	0.00024ND	No	32	MW-9AR,MW-201B	n/a	n/a	56.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Lead (mg/l)	MW-26A	0.00704	4/18/2023	0.00024ND	No	32	MW-9AR,MW-201B	n/a	n/a	56.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Lead (mg/l)	MW-300	0.00704	10/18/2023	0.00024ND	No	32	MW-9AR,MW-201B	n/a	n/a	56.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Lead (mg/l)	MW-301	0.00704	10/19/2023	0.000829	No	32	MW-9AR,MW-201B	n/a	n/a	56.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Lead (mg/l)	MW-302R	0.00704	10/18/2023	0.00024ND	No	32	MW-9AR,MW-201B	n/a	n/a	56.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Lead (mg/l)	MW-303	0.00704	10/19/2023	0.00024ND	No	32	MW-9AR,MW-201B	n/a	n/a	56.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Lead (mg/l)	MW-304R	0.00704	10/18/2023	0.00024ND	No	32	MW-9AR,MW-201B	n/a	n/a	56.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Lead (mg/l)	MW-305	0.00704	10/18/2023	0.00024ND	No	32	MW-9AR,MW-201B	n/a	n/a	56.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Lead (mg/l)	MW-501	0.00704	10/18/2023	0.00083	No	32	MW-9AR,MW-201B	n/a	n/a	56.25	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Mercury (mg/l)	MW-15	0.000150	10/12/2022	0.00011ND	No	6	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Mercury (mg/l)	MW-18	0.000150	10/12/2022	0.00011ND	No	6	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Mercury (mg/l)	MW-19	0.000150	10/19/2021	0.00015ND	No	6	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Mercury (mg/l)	MW-20	0.000150	10/19/2021	0.00015ND	No	6	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Mercury (mg/l)	MW-22	0.000150	10/18/2021	0.00015ND	No	6	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Mercury (mg/l)	MW-24	0.000150	10/12/2022	0.00011ND	No	6	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Mercury (mg/l)	MW-26A	0.000150	11/1/2018	0.00015ND	No	6	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Mercury (mg/l)	MW-300	0.000150	10/19/2021	0.00015ND	No	6	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Mercury (mg/l)	MW-301	0.000150	10/19/2021	0.00015ND	No	6	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Mercury (mg/l)	MW-302R	0.000150	10/12/2022	0.00011ND	No	6	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Mercury (mg/l)	MW-303	0.000150	12/2/2021	0.00015ND	No	6	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Mercury (mg/l)	MW-304R	0.000150	5/14/2019	0.0001ND	No	6	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Mercury (mg/l)	MW-305	0.000150	10/12/2022	0.00011ND	No	6	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Nickel (mg/l)	**MW-15**	**0.00561**	**10/18/2023**	**0.00867**	**Yes**	**30**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**73.33**	**n/a**	**n/a**	**0.001829**	**NP Inter (NDs) 1 of 2**
Nickel (mg/l)	**MW-18**	**0.00561**	**10/19/2023**	**0.0246**	**Yes**	**30**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**73.33**	**n/a**	**n/a**	**0.001829**	**NP Inter (NDs) 1 of 2**
Nickel (mg/l)	**MW-19**	**0.00561**	**10/18/2023**	**0.0198**	**Yes**	**30**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**73.33**	**n/a**	**n/a**	**0.001829**	**NP Inter (NDs) 1 of 2**
Nickel (mg/l)	**MW-20**	**0.00561**	**10/19/2023**	**0.0296**	**Yes**	**30**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**73.33**	**n/a**	**n/a**	**0.001829**	**NP Inter (NDs) 1 of 2**
Nickel (mg/l)	**MW-22**	**0.00561**	**10/19/2023**	**0.0334**	**Yes**	**30**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**73.33**	**n/a**	**n/a**	**0.001829**	**NP Inter (NDs) 1 of 2**
Nickel (mg/l)	**MW-24**	**0.00561**	**10/18/2023**	**0.0223**	**Yes**	**30**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**73.33**	**n/a**	**n/a**	**0.001829**	**NP Inter (NDs) 1 of 2**
Nickel (mg/l)	**MW-26A**	**0.00561**	**4/18/2023**	**0.0437**	**Yes**	**30**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**73.33**	**n/a**	**n/a**	**0.001829**	**NP Inter (NDs) 1 of 2**
Nickel (mg/l)	**MW-300**	**0.00561**	**10/18/2023**	**0.0205**	**Yes**	**30**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**73.33**	**n/a**	**n/a**	**0.001829**	**NP Inter (NDs) 1 of 2**
Nickel (mg/l)	**MW-301**	**0.00561**	**10/19/2023**	**0.00816**	**Yes**	**30**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**73.33**	**n/a**	**n/a**	**0.001829**	**NP Inter (NDs) 1 of 2**
Nickel (mg/l)	MW-302R	0.00561	10/18/2023	0.0019ND	No	30	MW-201B,MW-9AR	n/a	n/a	73.33	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Nickel (mg/l)	**MW-303**	**0.00561**	**10/19/2023**	**0.0613**	**Yes**	**30**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**73.33**	**n/a**	**n/a**	**0.001829**	**NP Inter (NDs) 1 of 2**

Prediction Limit

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/20/2023, 10:15 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Nickel (mg/l)	MW-304R	0.00561	10/18/2023	0.0019ND	No	30	MW-201B,MW-9AR	n/a	n/a	73.33	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Nickel (mg/l)	MW-305	0.00561	10/18/2023	0.00325J	No	30	MW-201B,MW-9AR	n/a	n/a	73.33	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Nickel (mg/l)	**MW-501**	**0.00561**	**10/18/2023**	**0.00834**	**Yes**	**30**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**73.33**	**n/a**	**n/a**	**0.001829**	**NP Inter (NDs) 1 of 2**
Selenium (mg/l)	MW-15	0.00149	10/18/2023	0.0014ND	No	28	MW-201B,MW-9AR	n/a	n/a	89.29	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Selenium (mg/l)	MW-18	0.00149	10/19/2023	0.00229J	No	28	MW-201B,MW-9AR	n/a	n/a	89.29	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Selenium (mg/l)	MW-19	0.00149	10/18/2023	0.0014ND	No	28	MW-201B,MW-9AR	n/a	n/a	89.29	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Selenium (mg/l)	MW-20	0.00149	10/19/2023	0.0014ND	No	28	MW-201B,MW-9AR	n/a	n/a	89.29	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Selenium (mg/l)	MW-22	0.00149	10/19/2023	0.0014ND	No	28	MW-201B,MW-9AR	n/a	n/a	89.29	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Selenium (mg/l)	MW-24	0.00149	10/18/2023	0.0014ND	No	28	MW-201B,MW-9AR	n/a	n/a	89.29	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Selenium (mg/l)	MW-26A	0.00149	4/18/2023	0.0014ND	No	28	MW-201B,MW-9AR	n/a	n/a	89.29	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Selenium (mg/l)	MW-300	0.00149	10/18/2023	0.0014ND	No	28	MW-201B,MW-9AR	n/a	n/a	89.29	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Selenium (mg/l)	MW-301	0.00149	4/19/2023	0.0014ND	No	28	MW-201B,MW-9AR	n/a	n/a	89.29	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Selenium (mg/l)	MW-302R	0.00149	10/18/2023	0.0014ND	No	28	MW-201B,MW-9AR	n/a	n/a	89.29	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Selenium (mg/l)	MW-303	0.00149	10/19/2023	0.0014ND	No	28	MW-201B,MW-9AR	n/a	n/a	89.29	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Selenium (mg/l)	MW-304R	0.00149	10/18/2023	0.0014ND	No	28	MW-201B,MW-9AR	n/a	n/a	89.29	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Selenium (mg/l)	MW-305	0.00149	10/18/2023	0.0014ND	No	28	MW-201B,MW-9AR	n/a	n/a	89.29	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Selenium (mg/l)	MW-501	0.00149	10/18/2023	0.0014ND	No	28	MW-201B,MW-9AR	n/a	n/a	89.29	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Silver (mg/l)	MW-15	0.000500	10/18/2023	0.0005ND	No	32	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Silver (mg/l)	**MW-18**	**0.000500**	**10/19/2023**	**0.00126**	**Yes**	**32**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**100**	**n/a**	**n/a**	**0.001654**	**NP Inter (NDs) 1 of 2**
Silver (mg/l)	MW-19	0.000500	10/18/2023	0.0005ND	No	32	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Silver (mg/l)	MW-20	0.000500	10/19/2023	0.0005ND	No	32	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Silver (mg/l)	MW-22	0.000500	10/19/2023	0.0005ND	No	32	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Silver (mg/l)	MW-24	0.000500	10/18/2023	0.0005ND	No	32	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Silver (mg/l)	MW-26A	0.000500	4/18/2023	0.0005ND	No	32	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Silver (mg/l)	MW-300	0.000500	10/18/2023	0.0005ND	No	32	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Silver (mg/l)	**MW-301**	**0.000500**	**10/19/2023**	**0.00116**	**Yes**	**32**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**100**	**n/a**	**n/a**	**0.001654**	**NP Inter (NDs) 1 of 2**
Silver (mg/l)	MW-302R	0.000500	10/18/2023	0.0005ND	No	32	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Silver (mg/l)	MW-303	0.000500	10/19/2023	0.0005ND	No	32	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Silver (mg/l)	MW-304R	0.000500	10/18/2023	0.0005ND	No	32	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Silver (mg/l)	MW-305	0.000500	10/18/2023	0.0005ND	No	32	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Silver (mg/l)	MW-501	0.000500	10/18/2023	0.0005ND	No	32	MW-201B,MW-9AR	n/a	n/a	100	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Sulfide (mg/l)	MW-15	10.0	10/12/2022	0.231ND	No	27	MW-201B,MW-9AR	n/a	n/a	96.3	n/a	n/a	0.002232	NP Inter (NDs) 1 of 2
Sulfide (mg/l)	MW-18	10.0	10/12/2022	0.231ND	No	27	MW-201B,MW-9AR	n/a	n/a	96.3	n/a	n/a	0.002232	NP Inter (NDs) 1 of 2
Sulfide (mg/l)	MW-19	10.0	10/19/2021	0.231ND	No	27	MW-201B,MW-9AR	n/a	n/a	96.3	n/a	n/a	0.002232	NP Inter (NDs) 1 of 2
Sulfide (mg/l)	MW-20	10.0	10/19/2021	0.231ND	No	27	MW-201B,MW-9AR	n/a	n/a	96.3	n/a	n/a	0.002232	NP Inter (NDs) 1 of 2
Sulfide (mg/l)	MW-22	10.0	10/18/2021	0.231ND	No	27	MW-201B,MW-9AR	n/a	n/a	96.3	n/a	n/a	0.002232	NP Inter (NDs) 1 of 2
Sulfide (mg/l)	MW-24	10.0	10/12/2022	0.231ND	No	27	MW-201B,MW-9AR	n/a	n/a	96.3	n/a	n/a	0.002232	NP Inter (NDs) 1 of 2
Sulfide (mg/l)	MW-26A	10.0	11/1/2018	0.231ND	No	27	MW-201B,MW-9AR	n/a	n/a	96.3	n/a	n/a	0.002232	NP Inter (NDs) 1 of 2
Sulfide (mg/l)	MW-300	10.0	10/19/2021	0.231ND	No	27	MW-201B,MW-9AR	n/a	n/a	96.3	n/a	n/a	0.002232	NP Inter (NDs) 1 of 2
Sulfide (mg/l)	MW-301	10.0	10/19/2021	0.0462ND	No	27	MW-201B,MW-9AR	n/a	n/a	96.3	n/a	n/a	0.002232	NP Inter (NDs) 1 of 2
Sulfide (mg/l)	MW-302R	10.0	10/12/2022	0.231ND	No	27	MW-201B,MW-9AR	n/a	n/a	96.3	n/a	n/a	0.002232	NP Inter (NDs) 1 of 2
Sulfide (mg/l)	MW-303	10.0	12/2/2021	0.231ND	No	27	MW-201B,MW-9AR	n/a	n/a	96.3	n/a	n/a	0.002232	NP Inter (NDs) 1 of 2
Sulfide (mg/l)	MW-304R	10.0	5/14/2019	0.231ND	No	27	MW-201B,MW-9AR	n/a	n/a	96.3	n/a	n/a	0.002232	NP Inter (NDs) 1 of 2
Sulfide (mg/l)	MW-305	10.0	10/12/2022	0.231ND	No	27	MW-201B,MW-9AR	n/a	n/a	96.3	n/a	n/a	0.002232	NP Inter (NDs) 1 of 2
Thallium (mg/l)	MW-15	0.000899	10/18/2023	0.00026ND	No	30	MW-201B,MW-9AR	n/a	n/a	86.67	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Thallium (mg/l)	**MW-18**	**0.000899**	**10/19/2023**	**0.0129**	**Yes**	**30**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**86.67**	**n/a**	**n/a**	**0.001829**	**NP Inter (NDs) 1 of 2**
Thallium (mg/l)	MW-19	0.000899	10/18/2023	0.00026ND	No	30	MW-201B,MW-9AR	n/a	n/a	86.67	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Thallium (mg/l)	MW-20	0.000899	10/19/2023	0.00026ND	No	30	MW-201B,MW-9AR	n/a	n/a	86.67	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Thallium (mg/l)	MW-22	0.000899	10/19/2023	0.00026ND	No	30	MW-201B,MW-9AR	n/a	n/a	86.67	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Thallium (mg/l)	MW-24	0.000899	10/18/2023	0.00026ND	No	30	MW-201B,MW-9AR	n/a	n/a	86.67	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2

Prediction Limit

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/20/2023, 10:15 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Thallium (mg/l)	MW-26A	0.000899	4/18/2023	0.00026ND	No	30	MW-201B,MW-9AR	n/a	n/a	86.67	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Thallium (mg/l)	MW-300	0.000899	10/18/2023	0.00079J	No	30	MW-201B,MW-9AR	n/a	n/a	86.67	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Thallium (mg/l)	**MW-301**	**0.000899**	**10/19/2023**	**0.0129**	**Yes**	**30**	**MW-201B,MW-9AR**	**n/a**	**n/a**	**86.67**	**n/a**	**n/a**	**0.001829**	**NP Inter (NDs) 1 of 2**
Thallium (mg/l)	MW-302R	0.000899	10/18/2023	0.00026ND	No	30	MW-201B,MW-9AR	n/a	n/a	86.67	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Thallium (mg/l)	MW-303	0.000899	10/19/2023	0.00026ND	No	30	MW-201B,MW-9AR	n/a	n/a	86.67	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Thallium (mg/l)	MW-304R	0.000899	10/18/2023	0.000835J	No	30	MW-201B,MW-9AR	n/a	n/a	86.67	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Thallium (mg/l)	MW-305	0.000899	10/18/2023	0.00026ND	No	30	MW-201B,MW-9AR	n/a	n/a	86.67	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Thallium (mg/l)	MW-501	0.000899	10/18/2023	0.00026ND	No	30	MW-201B,MW-9AR	n/a	n/a	86.67	n/a	n/a	0.001829	NP Inter (NDs) 1 of 2
Tin (mg/l)	MW-15	0.00180	10/12/2022	0.003ND	No	6	MW-9AR,MW-201B	n/a	n/a	83.33	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Tin (mg/l)	MW-18	0.00180	10/12/2022	0.003ND	No	6	MW-9AR,MW-201B	n/a	n/a	83.33	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Tin (mg/l)	MW-19	0.00180	10/19/2021	0.003ND	No	6	MW-9AR,MW-201B	n/a	n/a	83.33	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Tin (mg/l)	MW-20	0.00180	10/19/2021	0.003ND	No	6	MW-9AR,MW-201B	n/a	n/a	83.33	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Tin (mg/l)	MW-22	0.00180	10/18/2021	0.003ND	No	6	MW-9AR,MW-201B	n/a	n/a	83.33	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Tin (mg/l)	MW-24	0.00180	10/12/2022	0.003ND	No	6	MW-9AR,MW-201B	n/a	n/a	83.33	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Tin (mg/l)	MW-26A	0.00180	11/1/2018	0.00073ND	No	6	MW-9AR,MW-201B	n/a	n/a	83.33	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Tin (mg/l)	MW-300	0.00180	10/19/2021	0.003ND	No	6	MW-9AR,MW-201B	n/a	n/a	83.33	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Tin (mg/l)	MW-301	0.00180	10/19/2021	0.003ND	No	6	MW-9AR,MW-201B	n/a	n/a	83.33	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Tin (mg/l)	MW-302R	0.00180	10/12/2022	0.003ND	No	6	MW-9AR,MW-201B	n/a	n/a	83.33	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Tin (mg/l)	MW-303	0.00180	12/2/2021	0.003ND	No	6	MW-9AR,MW-201B	n/a	n/a	83.33	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Tin (mg/l)	MW-304R	0.00180	5/14/2019	0.0013ND	No	6	MW-9AR,MW-201B	n/a	n/a	83.33	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Tin (mg/l)	MW-305	0.00180	10/12/2022	0.003ND	No	6	MW-9AR,MW-201B	n/a	n/a	83.33	n/a	n/a	0.01792	NP Inter (NDs) 1 of 2
Vanadium (mg/l)	MW-15	0.00796	10/18/2023	0.00127J	No	32	MW-201B,MW-9AR	n/a	n/a	78.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Vanadium (mg/l)	MW-18	0.00796	10/19/2023	0.0011ND	No	32	MW-201B,MW-9AR	n/a	n/a	78.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Vanadium (mg/l)	MW-19	0.00796	10/18/2023	0.0011ND	No	32	MW-201B,MW-9AR	n/a	n/a	78.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Vanadium (mg/l)	MW-20	0.00796	10/19/2023	0.00439J	No	32	MW-201B,MW-9AR	n/a	n/a	78.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Vanadium (mg/l)	MW-22	0.00796	10/19/2023	0.0011ND	No	32	MW-201B,MW-9AR	n/a	n/a	78.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Vanadium (mg/l)	MW-24	0.00796	10/18/2023	0.0011ND	No	32	MW-201B,MW-9AR	n/a	n/a	78.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Vanadium (mg/l)	MW-26A	0.00796	4/18/2023	0.0011ND	No	32	MW-201B,MW-9AR	n/a	n/a	78.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Vanadium (mg/l)	MW-300	0.00796	10/18/2023	0.0011ND	No	32	MW-201B,MW-9AR	n/a	n/a	78.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Vanadium (mg/l)	MW-301	0.00796	10/19/2023	0.0011ND	No	32	MW-201B,MW-9AR	n/a	n/a	78.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Vanadium (mg/l)	MW-302R	0.00796	10/18/2023	0.0011ND	No	32	MW-201B,MW-9AR	n/a	n/a	78.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Vanadium (mg/l)	MW-303	0.00796	10/19/2023	0.0011ND	No	32	MW-201B,MW-9AR	n/a	n/a	78.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Vanadium (mg/l)	MW-304R	0.00796	10/18/2023	0.0011ND	No	32	MW-201B,MW-9AR	n/a	n/a	78.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Vanadium (mg/l)	MW-305	0.00796	10/18/2023	0.00193J	No	32	MW-201B,MW-9AR	n/a	n/a	78.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Vanadium (mg/l)	MW-501	0.00796	10/18/2023	0.00135J	No	32	MW-201B,MW-9AR	n/a	n/a	78.13	n/a	n/a	0.001654	NP Inter (NDs) 1 of 2
Zinc (mg/l)	MW-15	0.0200	10/18/2023	0.0126J	No	28	MW-9AR,MW-201B	n/a	n/a	82.14	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Zinc (mg/l)	MW-18	0.0200	10/19/2023	0.0108J	No	28	MW-9AR,MW-201B	n/a	n/a	82.14	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Zinc (mg/l)	MW-19	0.0200	10/18/2023	0.0101J	No	28	MW-9AR,MW-201B	n/a	n/a	82.14	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Zinc (mg/l)	MW-20	0.0200	10/19/2023	0.0064ND	No	28	MW-9AR,MW-201B	n/a	n/a	82.14	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Zinc (mg/l)	MW-22	0.0200	10/19/2023	0.0064ND	No	28	MW-9AR,MW-201B	n/a	n/a	82.14	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Zinc (mg/l)	MW-24	0.0200	10/18/2023	0.00697J	No	28	MW-9AR,MW-201B	n/a	n/a	82.14	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Zinc (mg/l)	MW-26A	0.0200	4/18/2023	0.0064ND	No	28	MW-9AR,MW-201B	n/a	n/a	82.14	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Zinc (mg/l)	MW-300	0.0200	10/18/2023	0.00672J	No	28	MW-9AR,MW-201B	n/a	n/a	82.14	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Zinc (mg/l)	MW-301	0.0200	10/19/2023	0.0064ND	No	28	MW-9AR,MW-201B	n/a	n/a	82.14	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Zinc (mg/l)	MW-302R	0.0200	10/18/2023	0.00959J	No	28	MW-9AR,MW-201B	n/a	n/a	82.14	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Zinc (mg/l)	MW-303	0.0200	10/19/2023	0.0064ND	No	28	MW-9AR,MW-201B	n/a	n/a	82.14	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Zinc (mg/l)	MW-304R	0.0200	10/18/2023	0.0064ND	No	28	MW-9AR,MW-201B	n/a	n/a	82.14	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Zinc (mg/l)	MW-305	0.0200	10/18/2023	0.0064ND	No	28	MW-9AR,MW-201B	n/a	n/a	82.14	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2
Zinc (mg/l)	MW-501	0.0200	10/18/2023	0.00964J	No	28	MW-9AR,MW-201B	n/a	n/a	82.14	n/a	n/a	0.002097	NP Inter (NDs) 1 of 2

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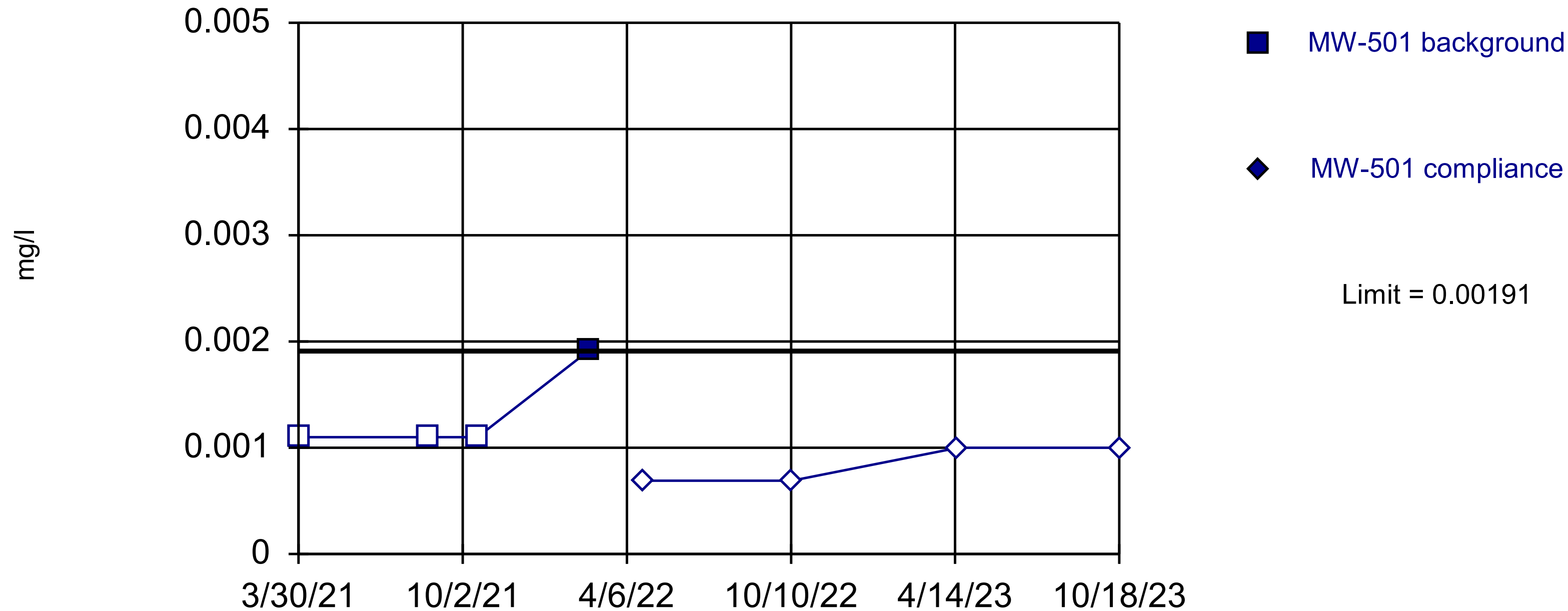
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 4 background values. 75% NDs. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2).

Constituent: Antimony Analysis Run 11/20/2023 5:07 PM View: Intrawell_App I Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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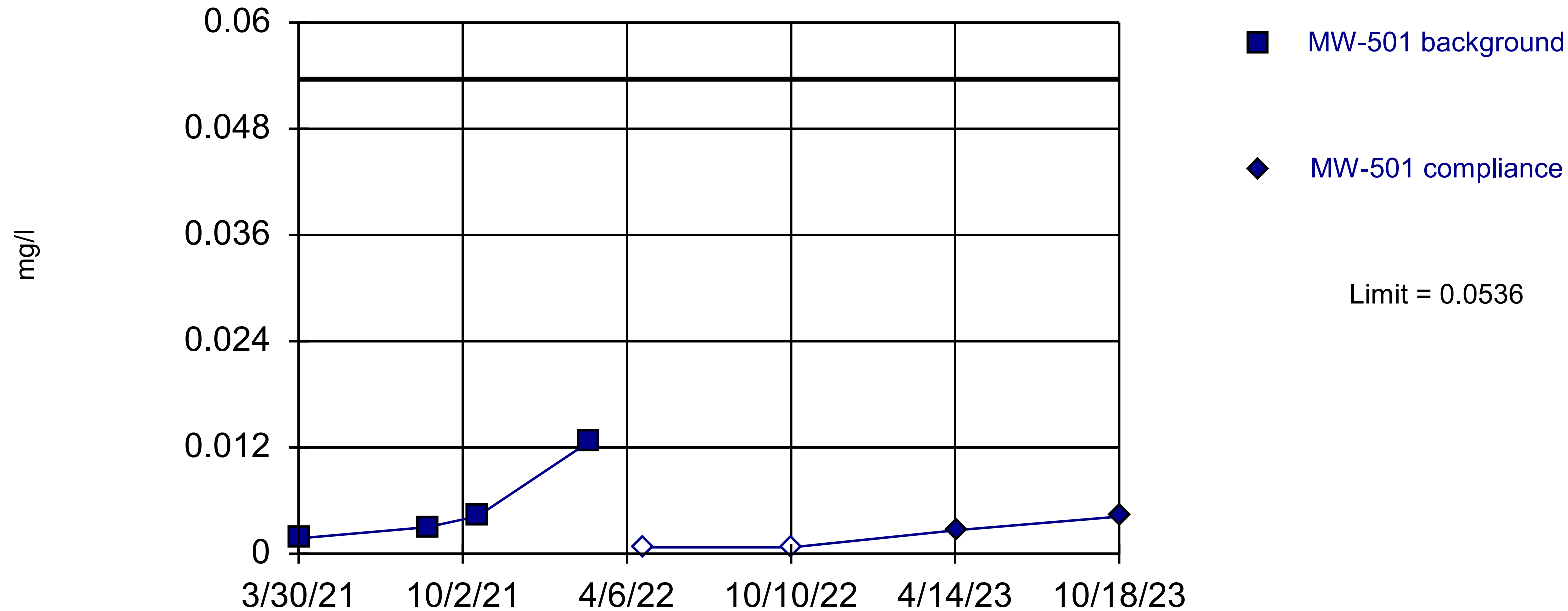
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.005398, Std. Dev.=0.004908, n=4. Normality test: Chi Squared @alpha = 0.05, calculated = 3.5, critical = 5.991. Kappa = 9.823 (c=15, w=14, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002508.

Constituent: Arsenic Analysis Run 11/20/2023 5:07 PM View: Intrawell_App I Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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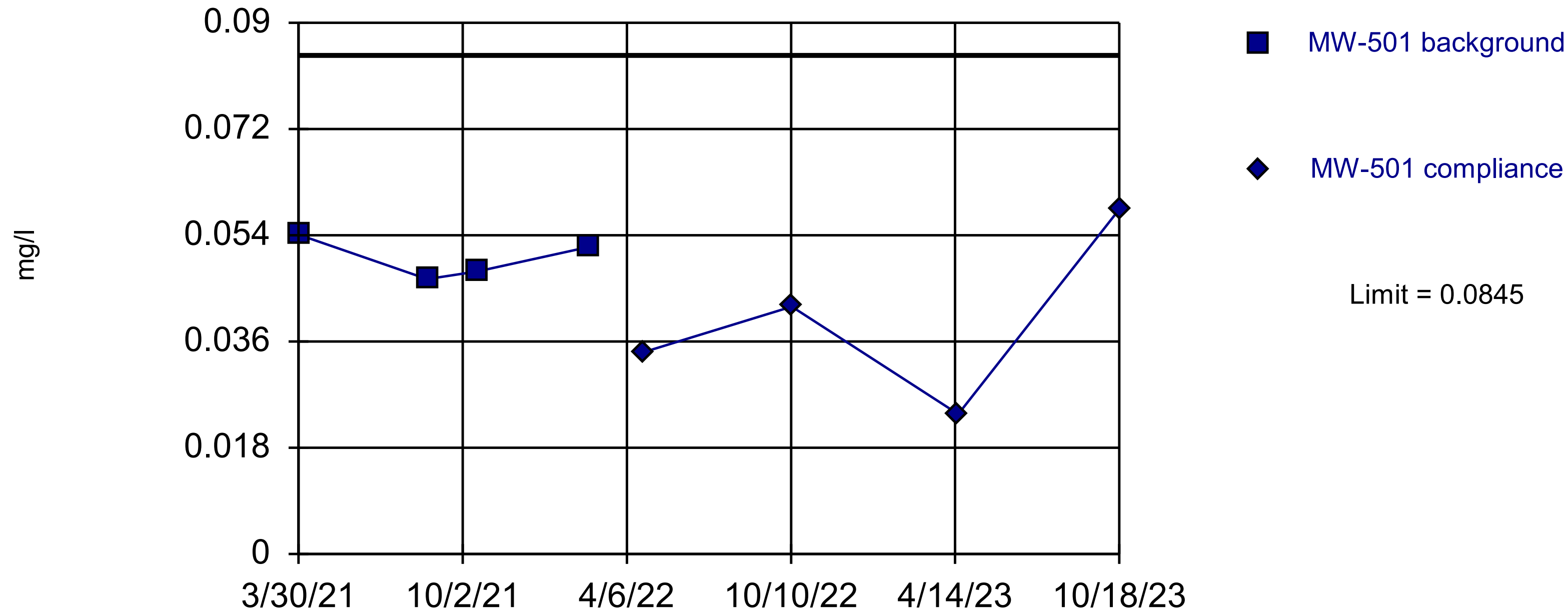
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.05015, Std. Dev.=0.003497, n=4. Normality test: Chi Squared @alpha = 0.05, calculated = 1, critical = 5.991. Kappa = 9.823 (c=15, w=14, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002508.

Constituent: Barium Analysis Run 11/20/2023 5:07 PM View: Intrawell_App I Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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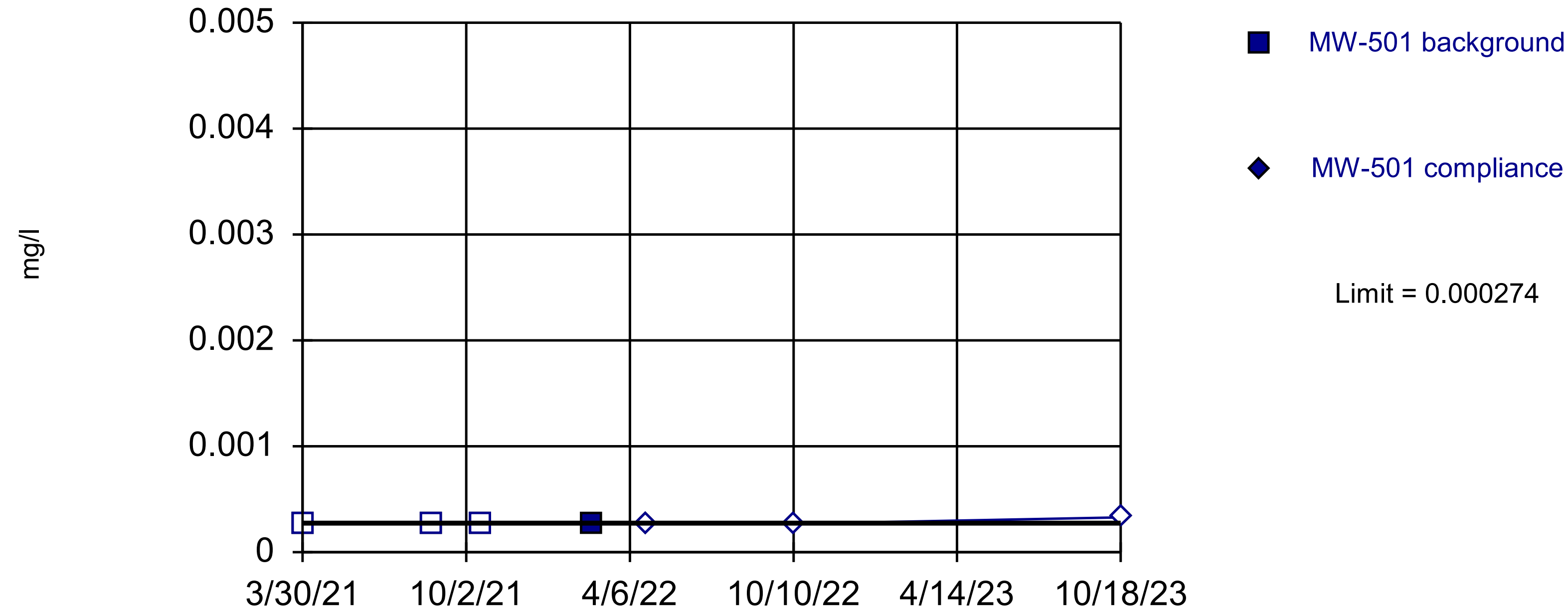
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 4 background values. 75% NDs. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2).

Constituent: Beryllium   Analysis Run 11/20/2023 5:07 PM   View: Intrawell_App I Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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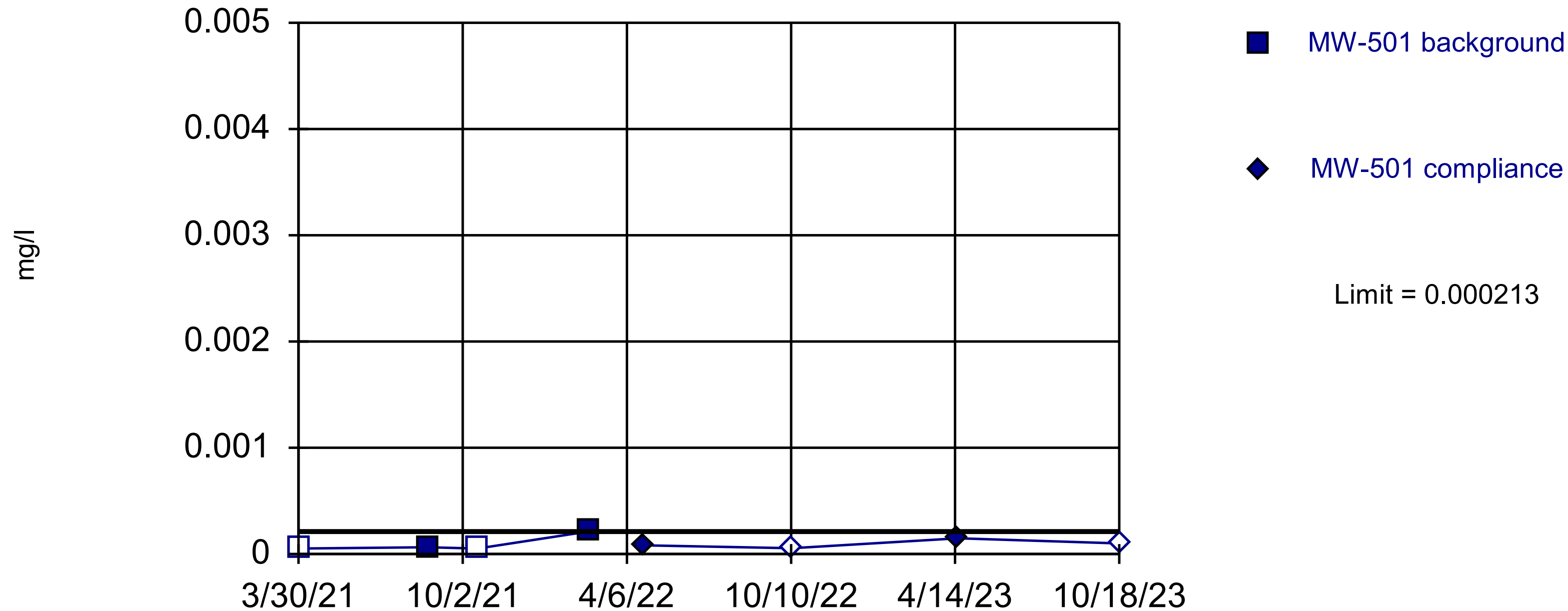
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 4 background values. 50% NDs. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2).

Constituent: Cadmium Analysis Run 11/20/2023 5:07 PM View: Intrawell_App I Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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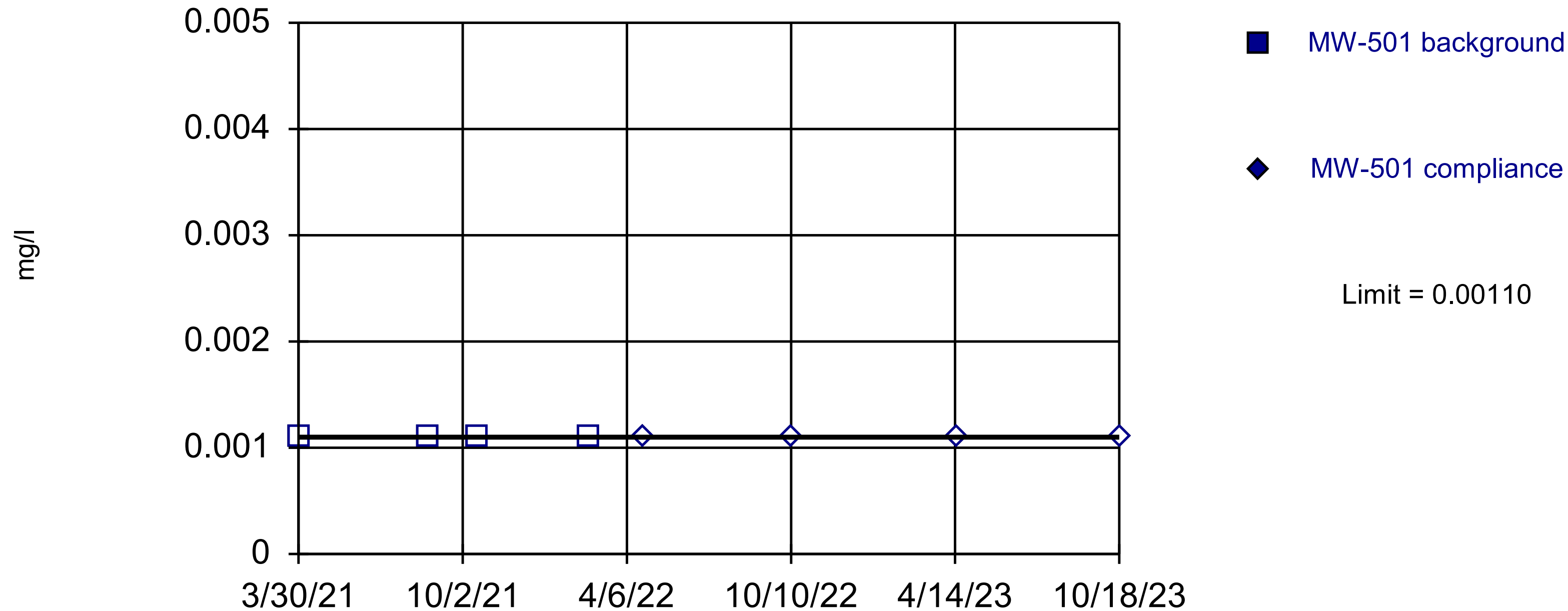
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 4) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2).

Constituent: Chromium   Analysis Run 11/20/2023 5:07 PM   View: Intrawell_App I Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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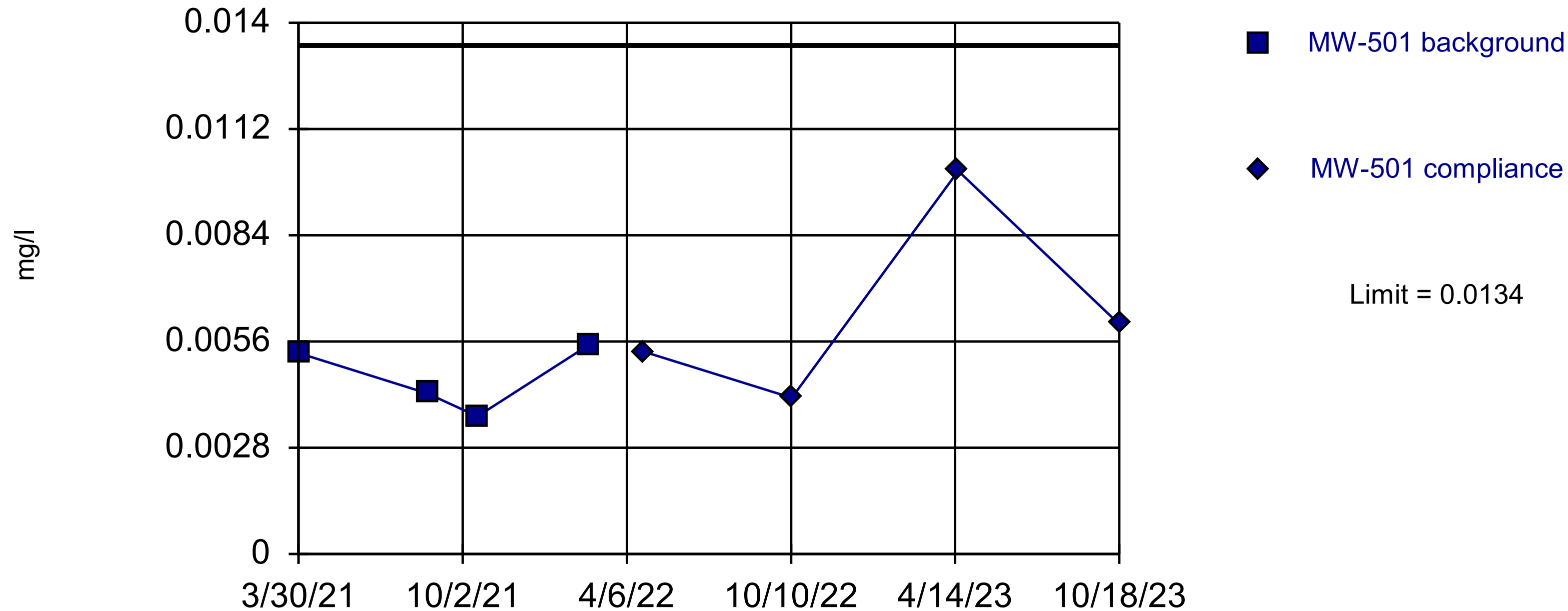
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.004668, Std. Dev.=0.0008855, n=4. Normality test: Chi Squared @alpha = 0.05, calculated = 1, critical = 5.991. Kappa = 9.823 (c=15, w=14, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002508.

Constituent: Cobalt Analysis Run 11/20/2023 5:07 PM View: Intrawell_App I Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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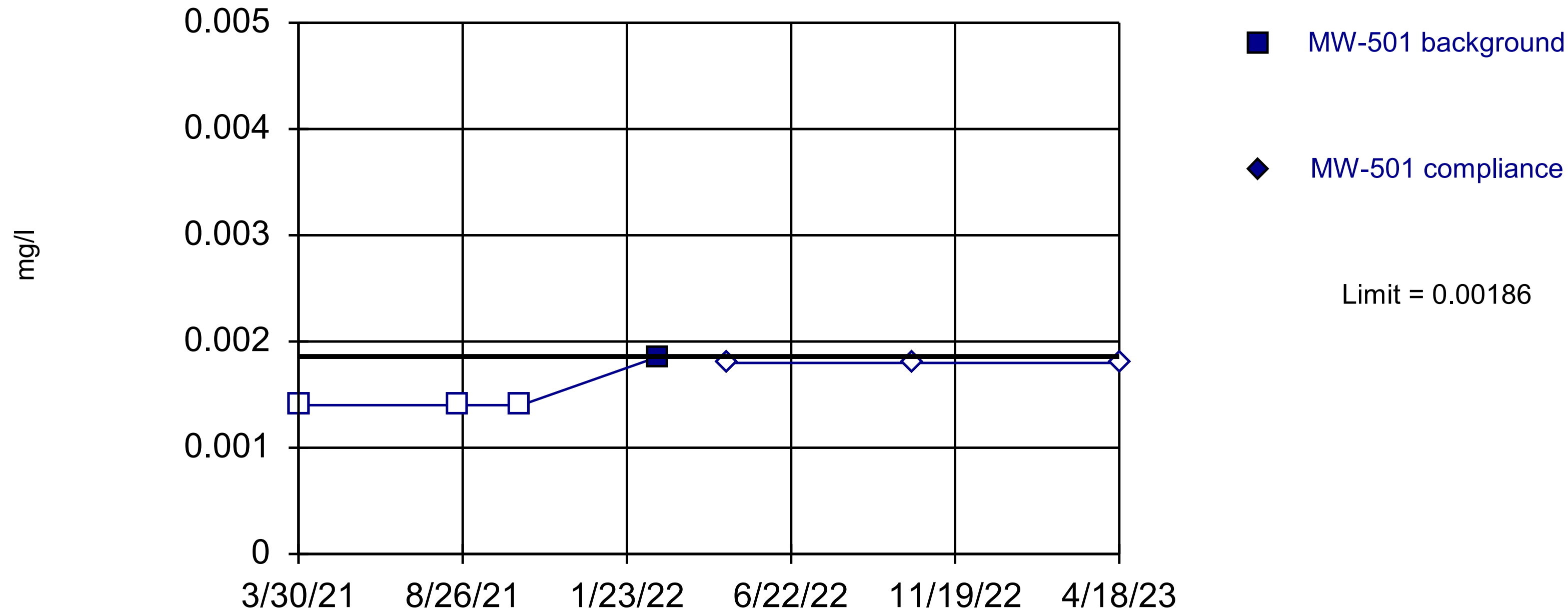
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 4 background values. 75% NDs. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2).

Constituent: Copper   Analysis Run 11/20/2023 5:07 PM   View: Intrawell_App I Metals

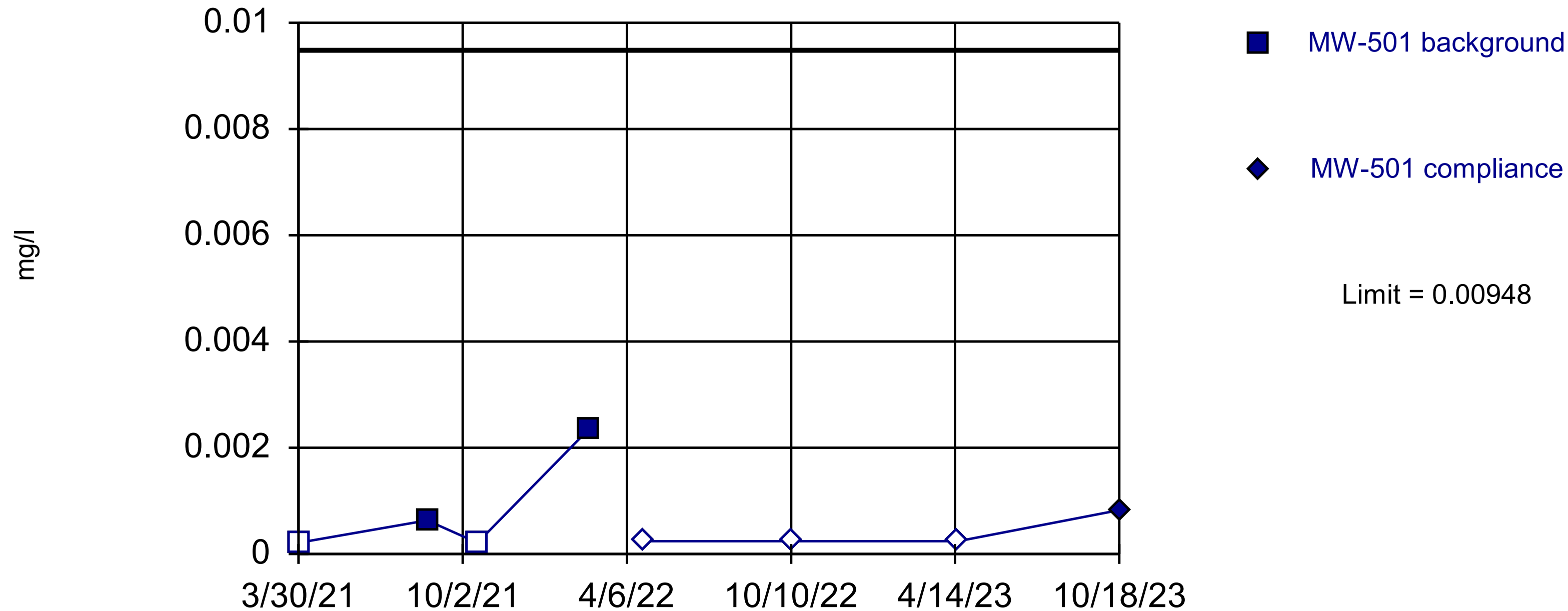
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.0008487, Std. Dev.=0.0008783, n=4, 50% NDs. Normality test: Chi Squared @alpha = 0.05, calculated = 3.5, critical = 5.991. Kappa = 9.823 (c=15, w=14, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002508.

Constituent: Lead Analysis Run 11/20/2023 5:07 PM View: Intrawell_App I Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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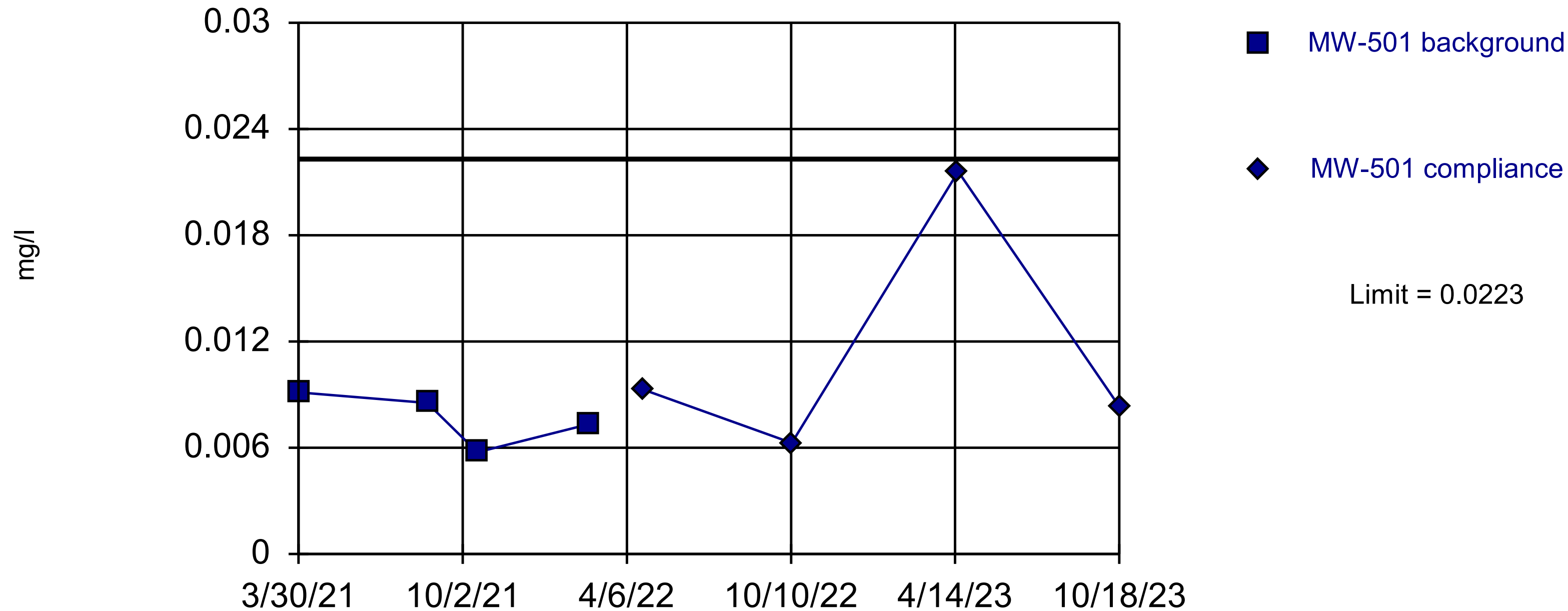
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.00769, Std. Dev.=0.00149, n=4. Normality test: Chi Squared @alpha = 0.05, calculated = 1, critical = 5.991. Kappa = 9.823 (c=15, w=14, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002508.

Constituent: Nickel Analysis Run 11/20/2023 5:07 PM View: Intrawell_App I Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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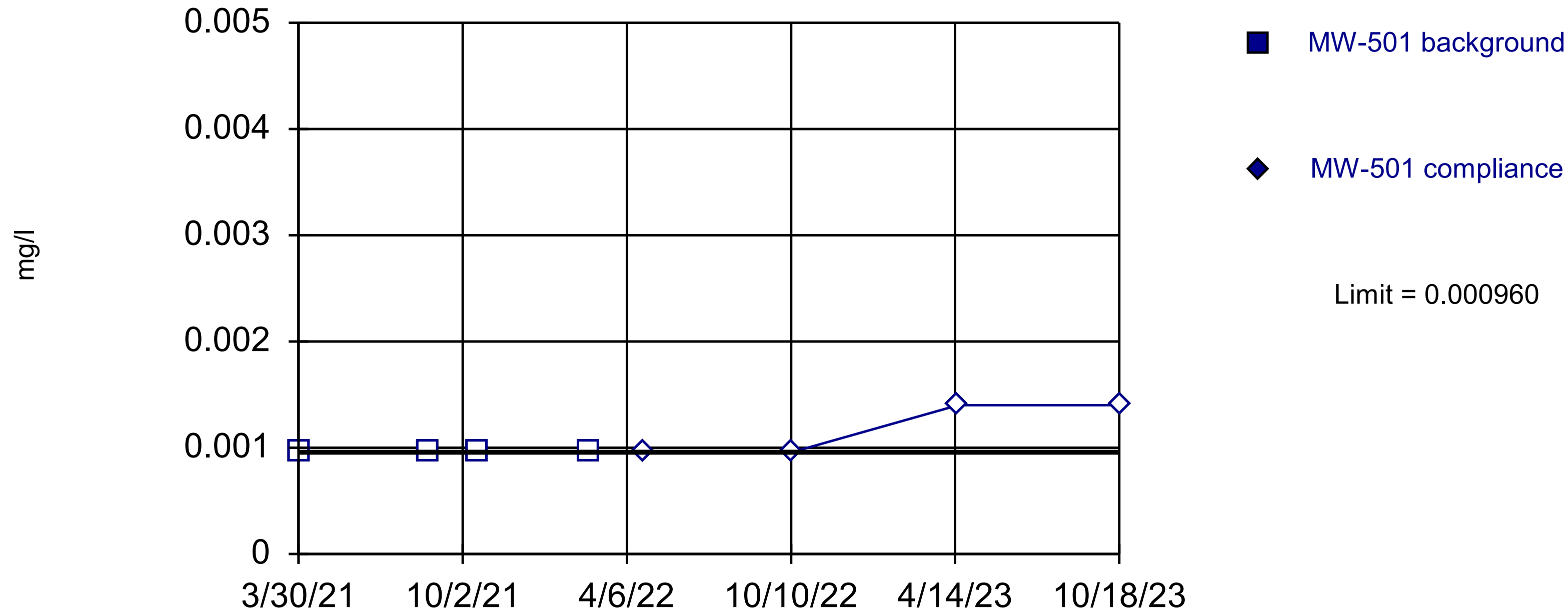
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 4) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2).

Constituent: Selenium   Analysis Run 11/20/2023 5:07 PM   View: Intrawell_App I Metals
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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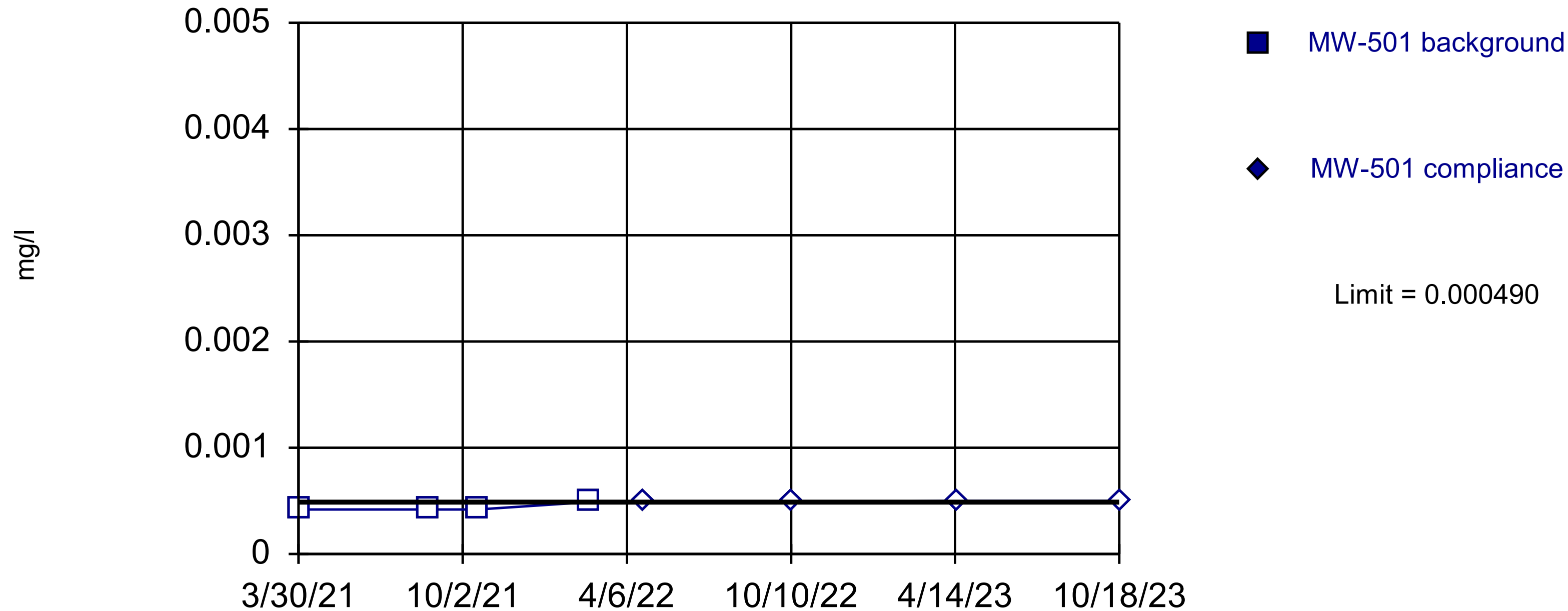
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 4) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2).

Constituent: Silver Analysis Run 11/20/2023 5:07 PM View: Intrawell_App I Metals

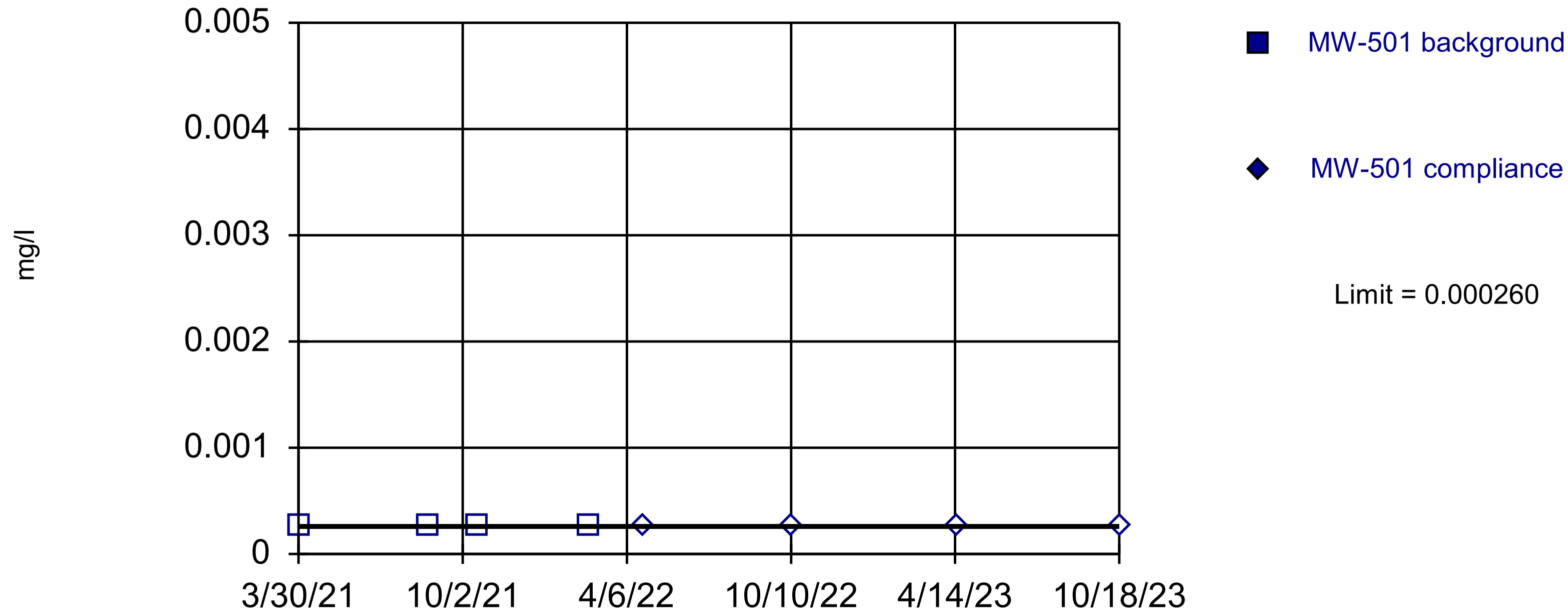
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 4) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2).

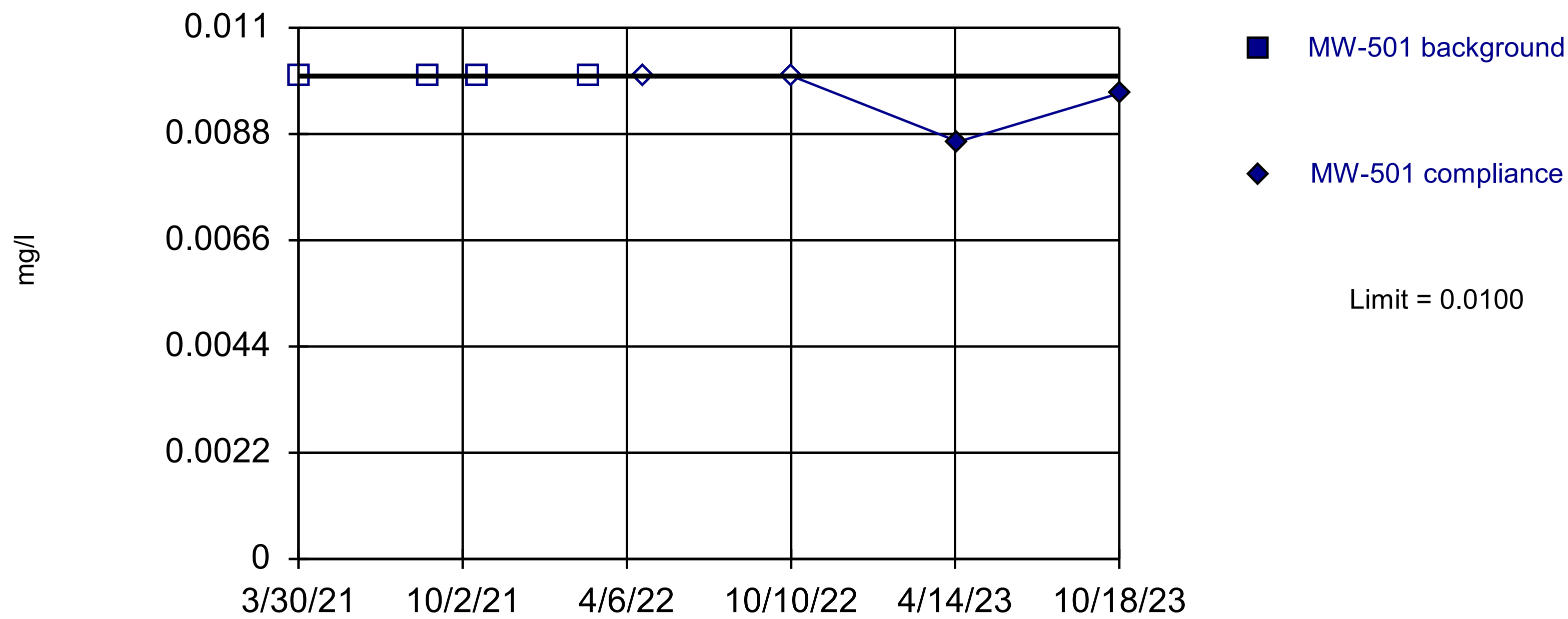
Constituent: Thallium Analysis Run 11/20/2023 5:07 PM View: Intrawell_App I Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 4) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2).

Constituent: Zinc   Analysis Run 11/20/2023 5:07 PM   View: Intrawell_App I Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Prediction Limit

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/20/2023, 5:08 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/l)	MW-501	0.00191	10/18/2023	0.001ND	No	4	n/a	n/a	n/a	75	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Arsenic (mg/l)	MW-501	0.0536	10/18/2023	0.00421	No	4	n/a	0.005398	0.004908	0	None	No	0.000...	Param Intra 1 of 2
Barium (mg/l)	MW-501	0.0845	10/18/2023	0.0584	No	4	n/a	0.05015	0.003497	0	None	No	0.000...	Param Intra 1 of 2
Beryllium (m...	MW-501	0.000274	10/18/2023	0.00033ND	No	4	n/a	n/a	n/a	75	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Cadmium (mg/l)	MW-501	0.000213	10/18/2023	0.0001ND	No	4	n/a	n/a	n/a	50	n/a	n/a	0.06138	NP Intra (normality) ...
Chromium (mg/l)	MW-501	0.00110	10/18/2023	0.0011ND	No	4	n/a	n/a	n/a	100	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Cobalt (mg/l)	MW-501	0.0134	10/18/2023	0.00606	No	4	n/a	0.004668	0.0008855	0	None	No	0.000...	Param Intra 1 of 2
Copper (mg/l)	MW-501	0.00186	4/18/2023	0.0018ND	No	4	n/a	n/a	n/a	75	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Lead (mg/l)	MW-501	0.00948	10/18/2023	0.00083	No	4	n/a	0.0008487	0.0008783	50	Kapla...	No	0.000...	Param Intra 1 of 2
Nickel (mg/l)	MW-501	0.0223	10/18/2023	0.00834	No	4	n/a	0.00769	0.00149	0	None	No	0.000...	Param Intra 1 of 2
Selenium (mg/l)	MW-501	0.000960	10/18/2023	0.0014ND	No	4	n/a	n/a	n/a	100	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Silver (mg/l)	MW-501	0.000490	10/18/2023	0.0005ND	No	4	n/a	n/a	n/a	100	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Thallium (mg/l)	MW-501	0.000260	10/18/2023	0.00026ND	No	4	n/a	n/a	n/a	100	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Zinc (mg/l)	MW-501	0.0100	10/18/2023	0.00964J	No	4	n/a	n/a	n/a	100	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2

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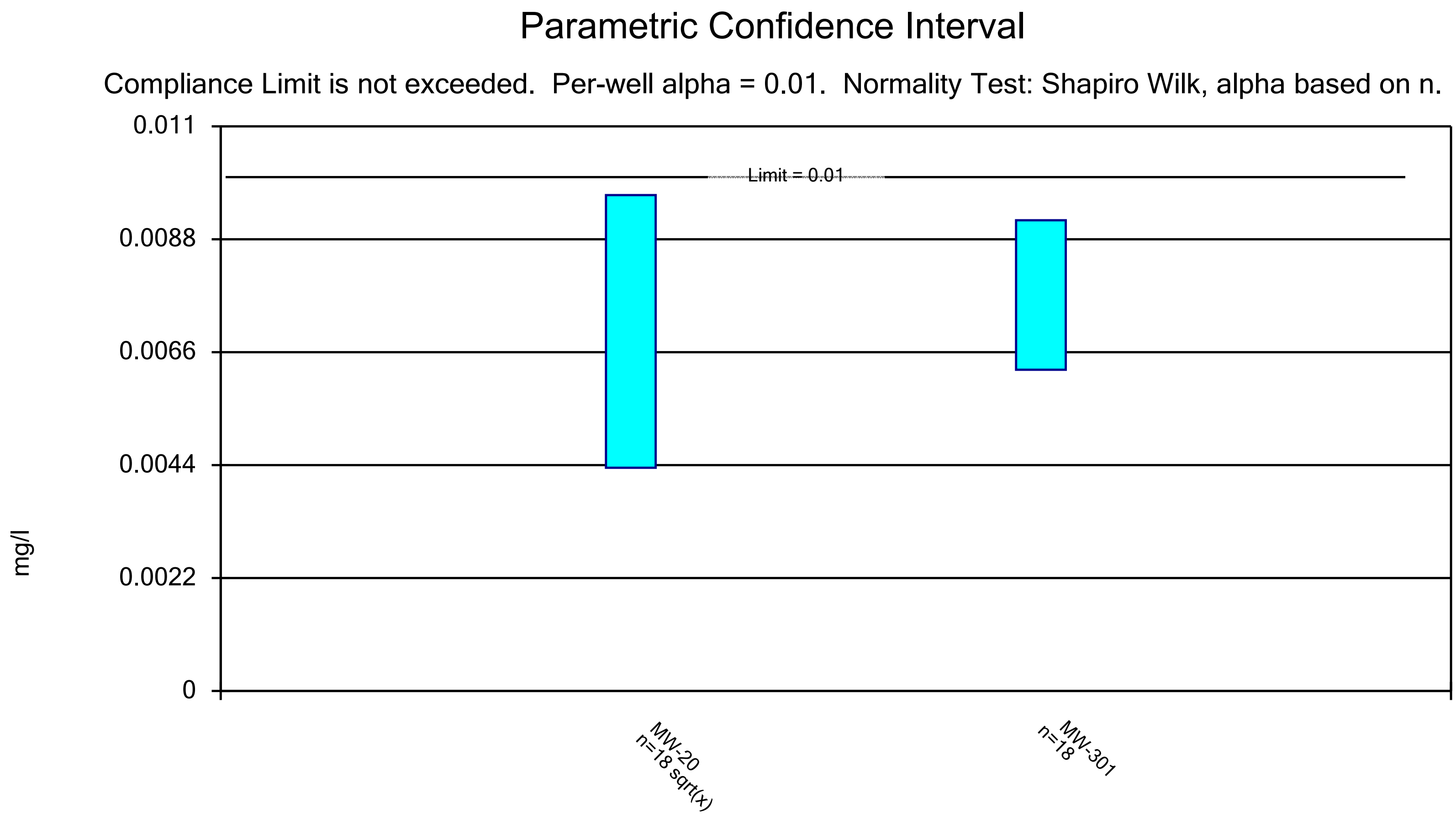
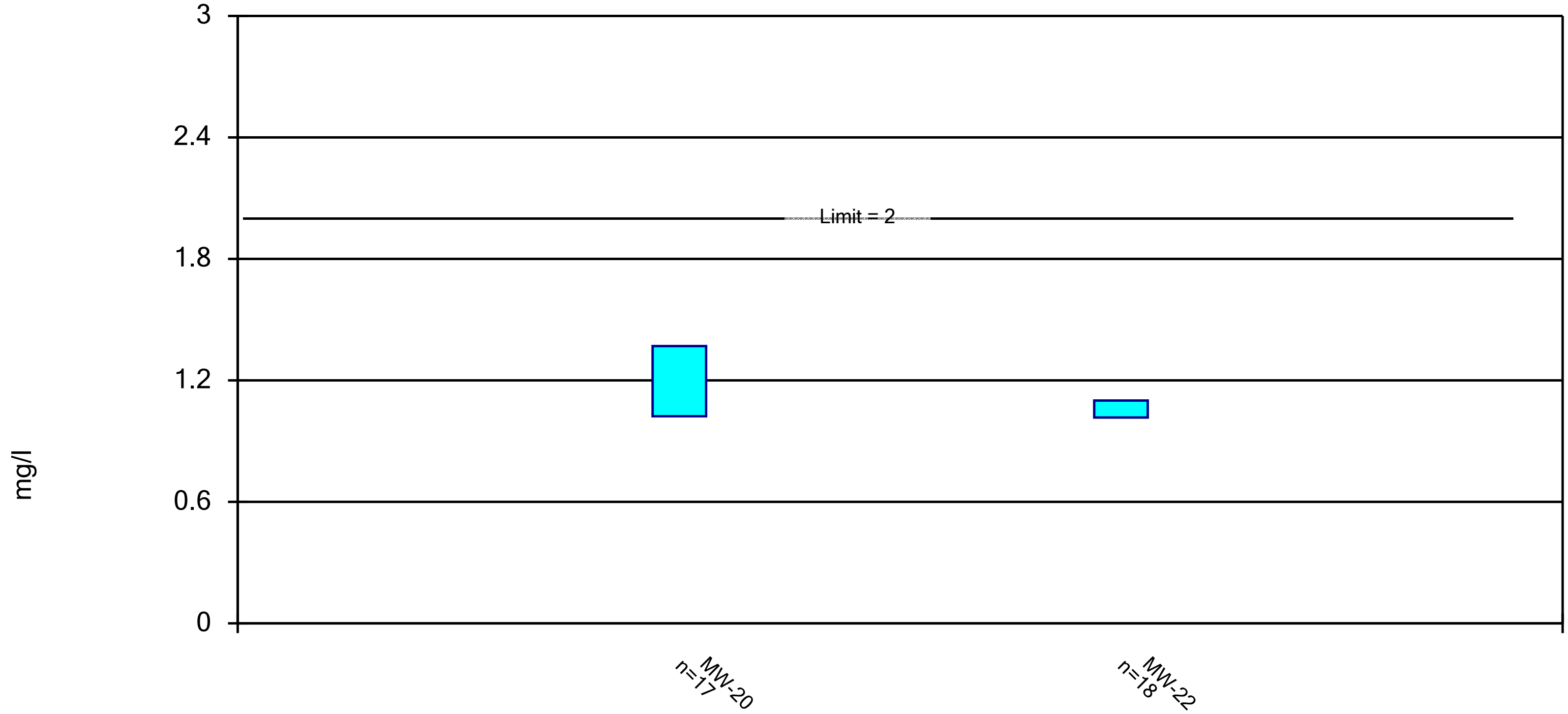


Constituent: Arsenic   Analysis Run 11/20/2023 2:07 PM   View: App I_Metals_CIs

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 11/20/2023 2:07 PM View: App I_Metals_CIs

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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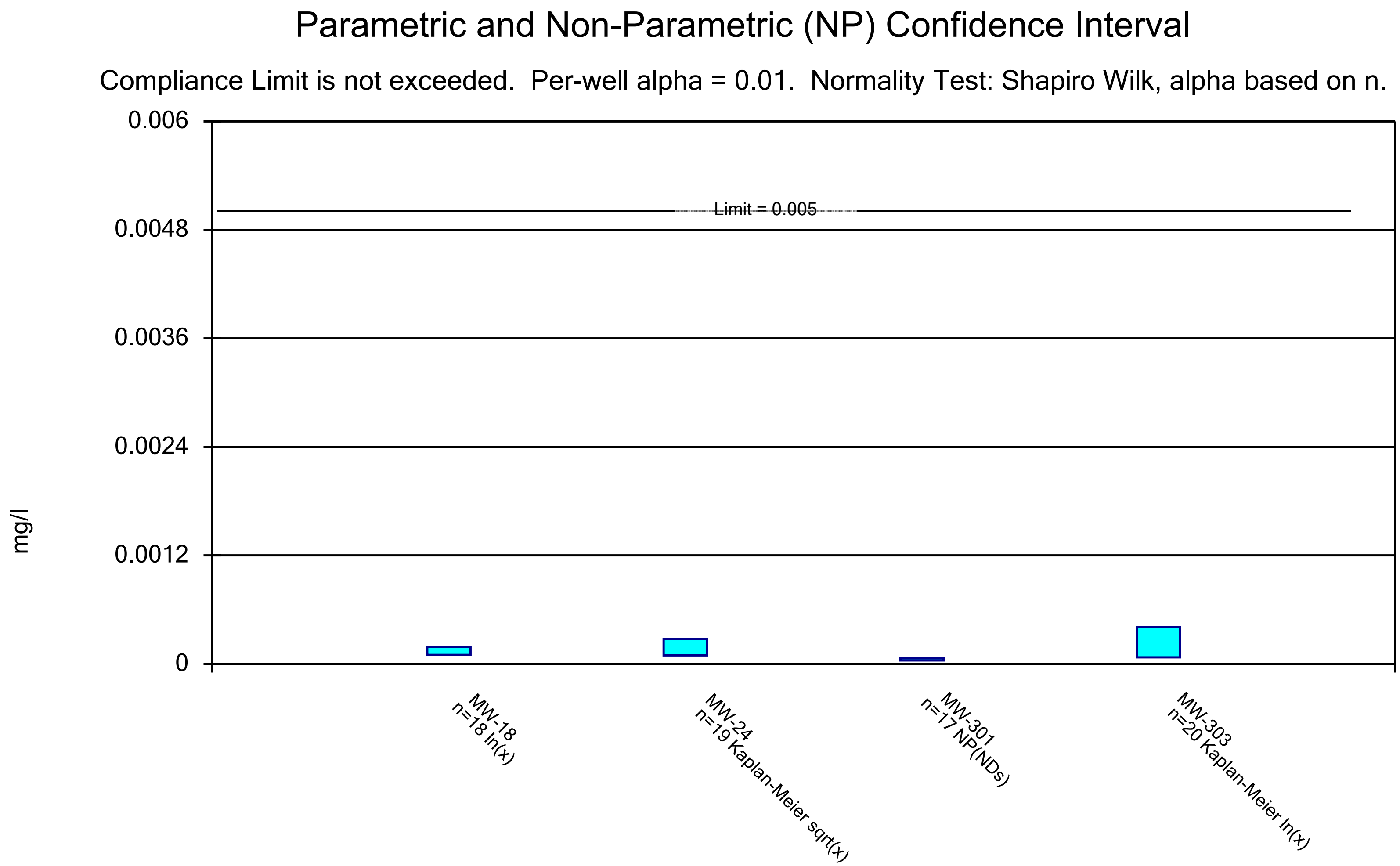


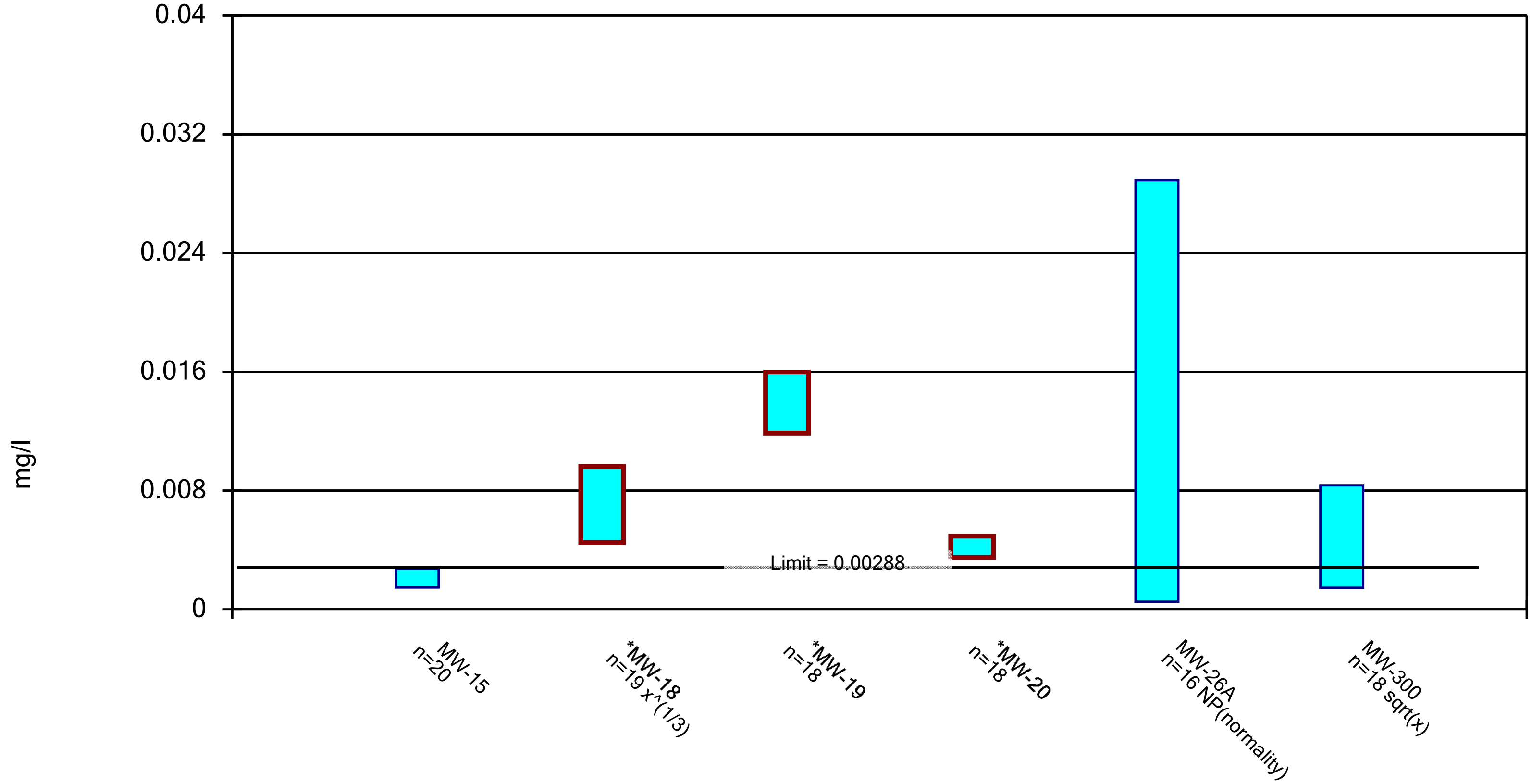
Constituent: Cadmium   Analysis Run 11/20/2023 2:07 PM   View: App I_Metals_CIs

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 11/20/2023 2:07 PM View: App I_Metals_CIs

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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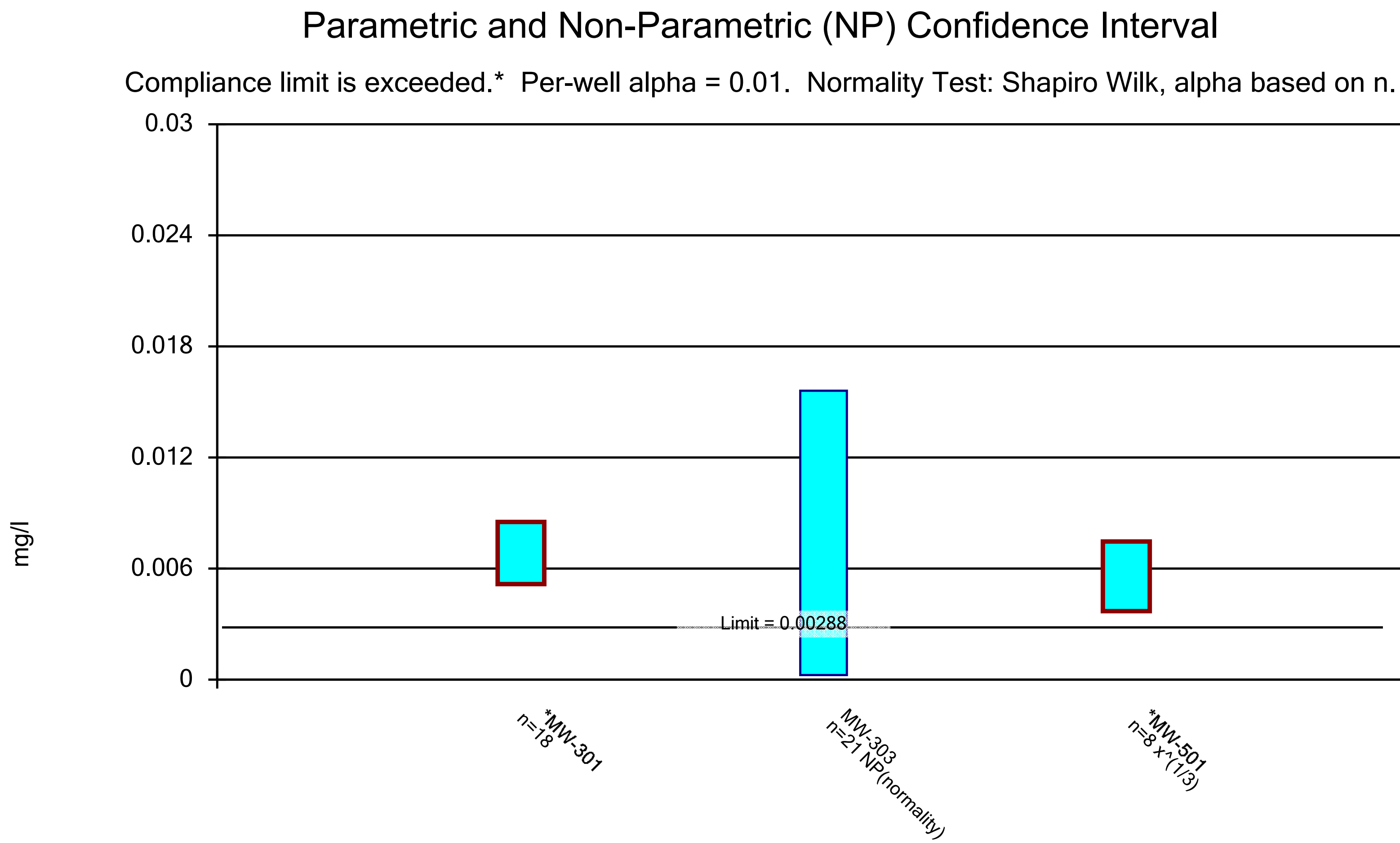
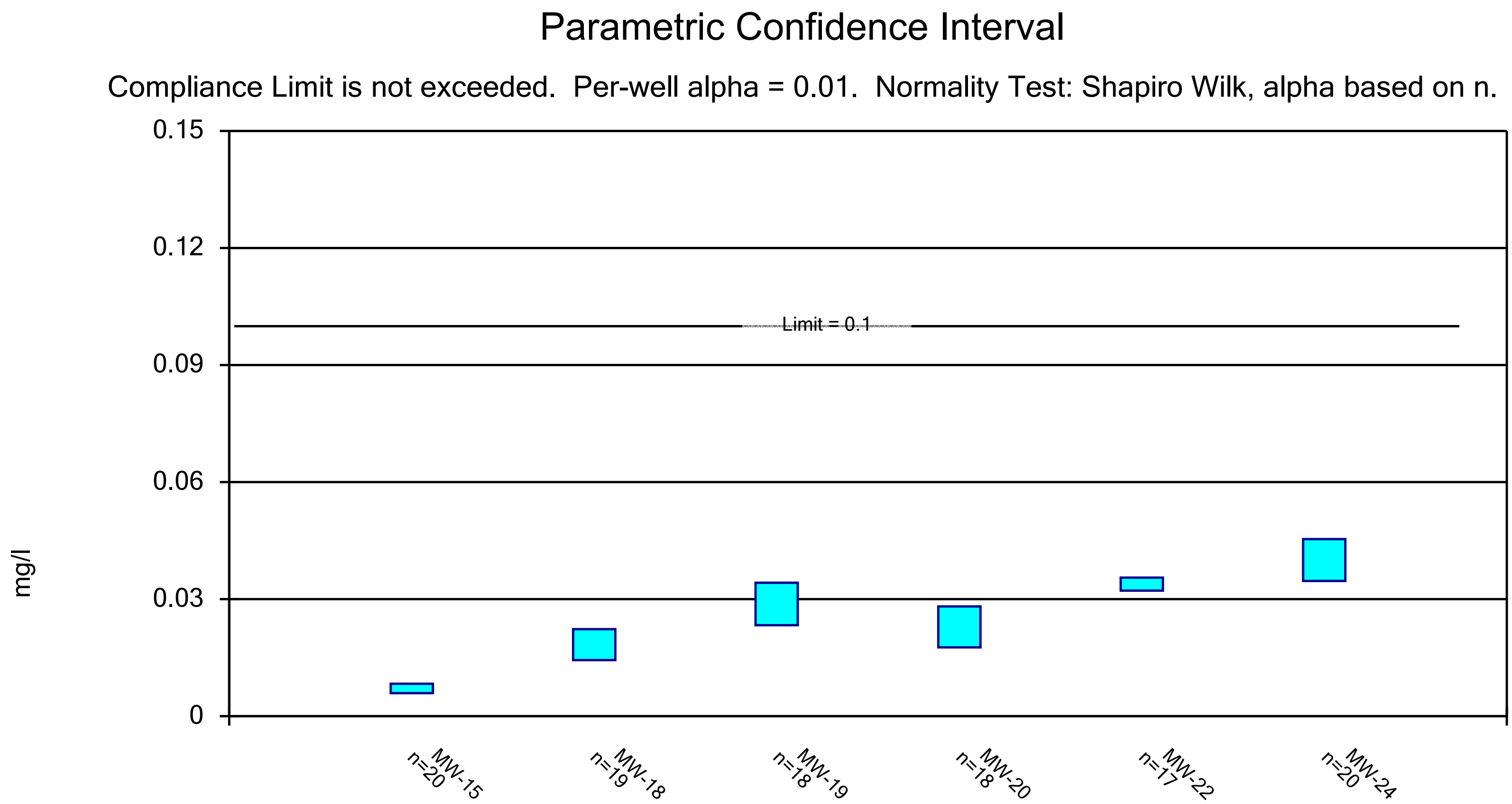


Constituent: Cobalt Analysis Run 11/20/2023 2:07 PM View: App I_Metals_CIs

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG



Constituent: Nickel Analysis Run 11/20/2023 2:07 PM View: App I_Metals_CIs

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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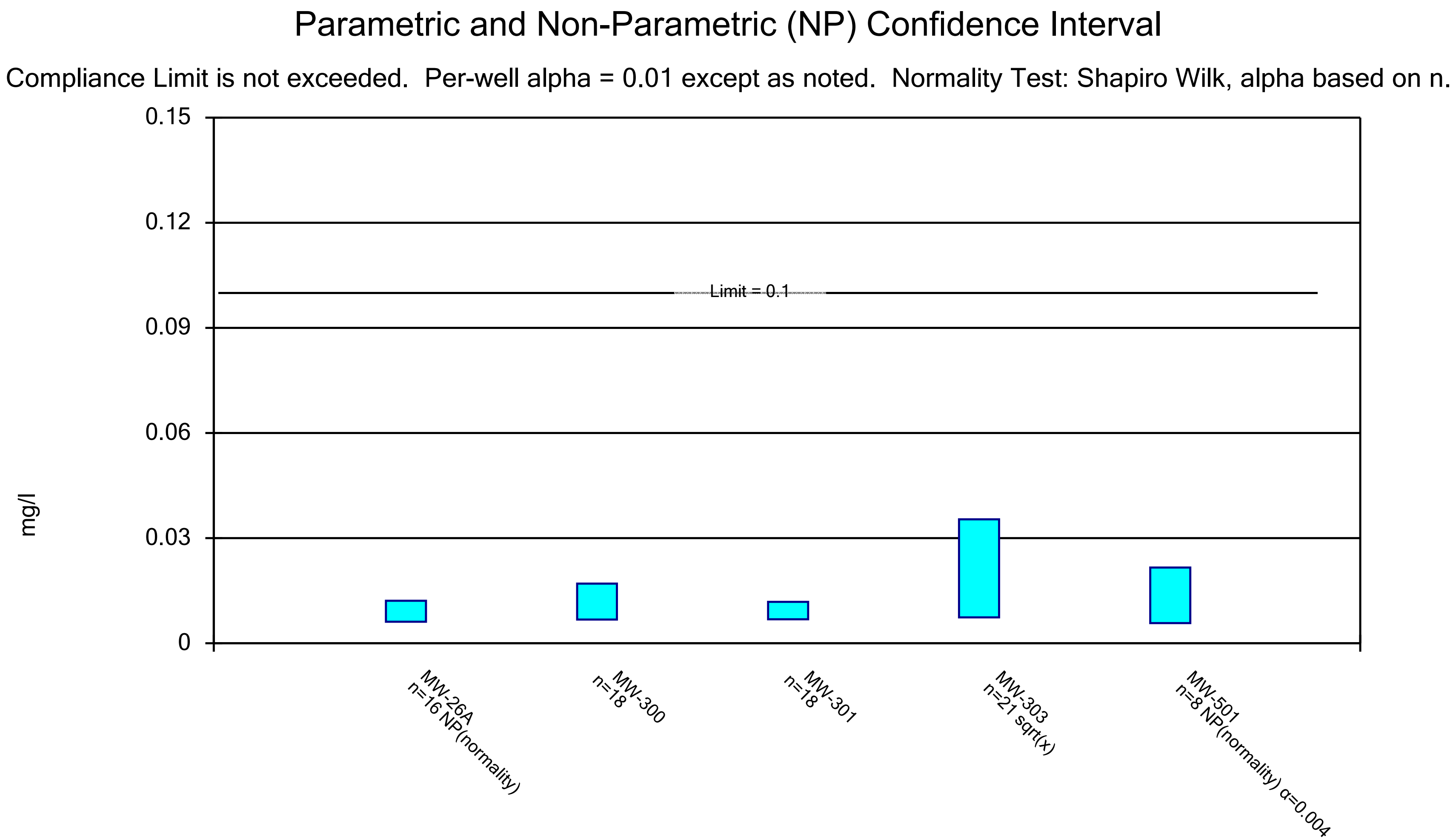
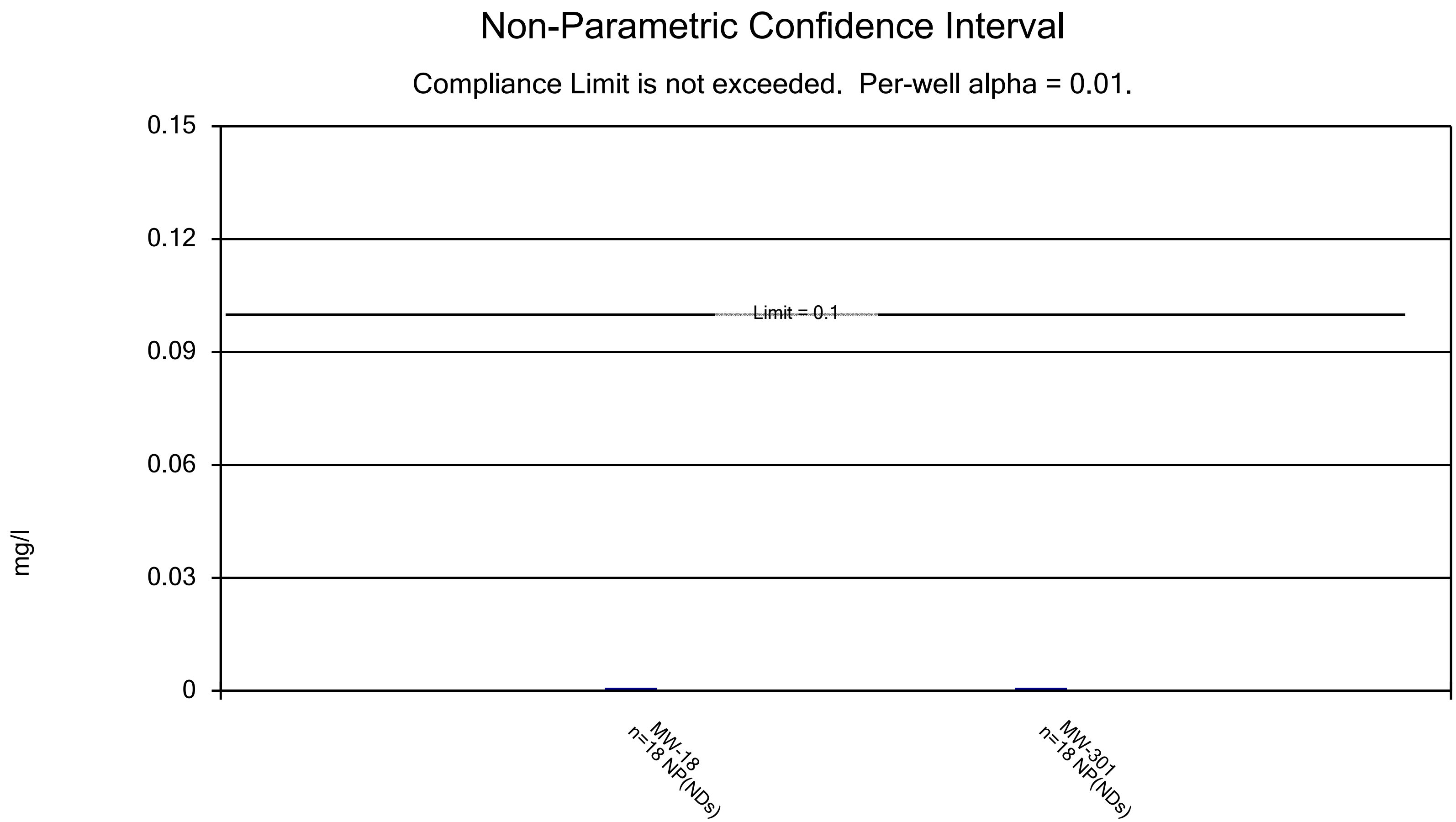


Constituent: Nickel Analysis Run 11/20/2023 2:07 PM View: App I_Metals_CIs

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

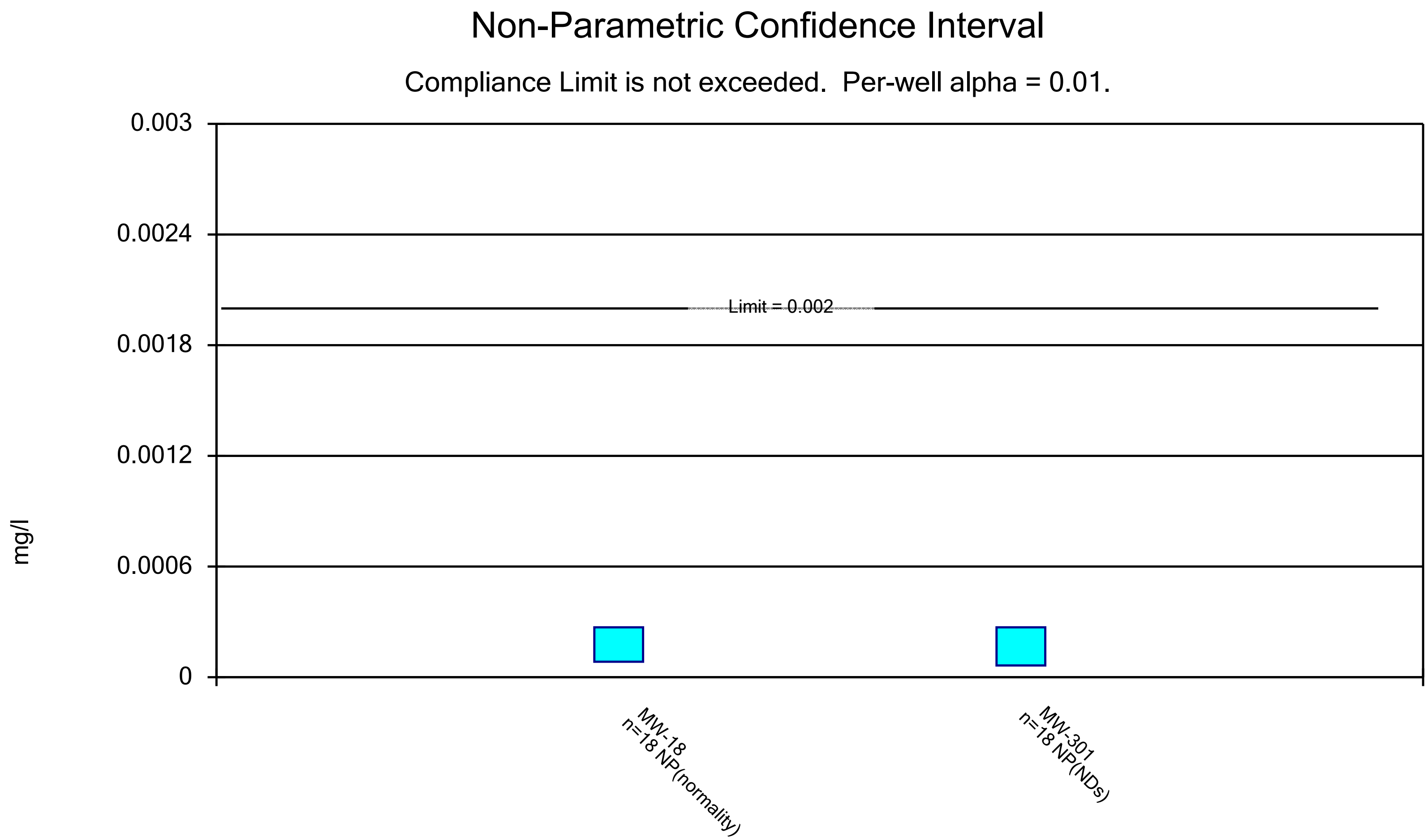
Sanitas™ v.9.6.37 Software licensed to HDR. UG



Constituent: Silver Analysis Run 11/20/2023 2:07 PM View: App I_Metals_CIs

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG



Constituent: Thallium   Analysis Run 11/20/2023 2:07 PM   View: App I_Metals_CIs

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Confidence Interval

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/20/2023, 2:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/l)	MW-20	0.009661	0.004347	0.01	No	18	0.007418	0.004553	5.556	None	sqrt(x)	0.01	Param.
Arsenic (mg/l)	MW-301	0.009168	0.006257	0.01	No	18	0.007713	0.002406	0	None	No	0.01	Param.
Barium (mg/l)	MW-20	1.369	1.022	2	No	17	1.196	0.277	0	None	No	0.01	Param.
Barium (mg/l)	MW-22	1.101	1.017	2	No	18	1.059	0.06947	0	None	No	0.01	Param.
Cadmium (mg/l)	MW-18	0.0001862	0.0001012	0.005	No	18	0.0001578	0.0001061	0	None	ln(x)	0.01	Param.
Cadmium (mg/l)	MW-24	0.0002759	0.00009504	0.005	No	19	0.0002282	0.0001874	26.32	Kaplan-Meier	sqrt(x)	0.01	Param.
Cadmium (mg/l)	MW-301	0.000061	0.000039	0.005	No	17	0.00006561	0.00005263	88.24	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/l)	MW-303	0.0004063	0.00007055	0.005	No	20	0.0006257	0.001397	40	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/l)	MW-15	0.00273	0.001478	0.00288	No	20	0.002104	0.001102	0	None	No	0.01	Param.
Cobalt (mg/l)	**MW-18**	**0.009648**	**0.004491**	**0.00288**	**Yes**	**19**	**0.007708**	**0.005696**	**0**	**None**	**x^(1/3)**	**0.01**	**Param.**
Cobalt (mg/l)	**MW-19**	**0.01598**	**0.01187**	**0.00288**	**Yes**	**18**	**0.01393**	**0.003396**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/l)	**MW-20**	**0.004937**	**0.003501**	**0.00288**	**Yes**	**18**	**0.004219**	**0.001186**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/l)	MW-26A	0.0289	0.00052	0.00288	No	16	0.01154	0.02528	0	None	No	0.01	NP (normality)
Cobalt (mg/l)	MW-300	0.008359	0.001453	0.00288	No	18	0.006029	0.006713	5.556	None	sqrt(x)	0.01	Param.
Cobalt (mg/l)	**MW-301**	**0.008524**	**0.005167**	**0.00288**	**Yes**	**18**	**0.006846**	**0.002775**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/l)	MW-303	0.0156	0.000251	0.00288	No	21	0.008579	0.01403	0	None	No	0.01	NP (normality)
Cobalt (mg/l)	**MW-501**	**0.007459**	**0.003694**	**0.00288**	**Yes**	**8**	**0.005535**	**0.002019**	**0**	**None**	**x^(1/3)**	**0.01**	**Param.**
Nickel (mg/l)	MW-15	0.008323	0.005908	0.1	No	20	0.007116	0.002127	0	None	No	0.01	Param.
Nickel (mg/l)	MW-18	0.02232	0.0144	0.1	No	19	0.01836	0.006763	0	None	No	0.01	Param.
Nickel (mg/l)	MW-19	0.03417	0.0233	0.1	No	18	0.02874	0.008984	0	None	No	0.01	Param.
Nickel (mg/l)	MW-20	0.02813	0.01768	0.1	No	18	0.02291	0.008636	0	None	No	0.01	Param.
Nickel (mg/l)	MW-22	0.03554	0.03214	0.1	No	17	0.03384	0.002716	0	None	No	0.01	Param.
Nickel (mg/l)	MW-24	0.04541	0.03469	0.1	No	20	0.04005	0.00944	0	None	No	0.01	Param.
Nickel (mg/l)	MW-26A	0.0121	0.00613	0.1	No	16	0.0105	0.00919	0	None	No	0.01	NP (normality)
Nickel (mg/l)	MW-300	0.01704	0.006794	0.1	No	18	0.01192	0.008467	5.556	None	No	0.01	Param.
Nickel (mg/l)	MW-301	0.01181	0.006855	0.1	No	18	0.009334	0.004097	0	None	No	0.01	Param.
Nickel (mg/l)	MW-303	0.03535	0.007417	0.1	No	21	0.02691	0.02892	9.524	None	sqrt(x)	0.01	Param.
Nickel (mg/l)	MW-501	0.0216	0.00576	0.1	No	8	0.00953	0.005043	0	None	No	0.004	NP (normality)
Silver (mg/l)	MW-18	0.00049	0.000153	0.1	No	18	0.0004108	0.0002939	88.89	None	No	0.01	NP (NDs)
Silver (mg/l)	MW-301	0.00049	0.000153	0.1	No	18	0.0004055	0.0002772	94.44	None	No	0.01	NP (NDs)
Thallium (mg/l)	MW-18	0.00027	0.000084	0.002	No	18	0.0008997	0.002996	61.11	None	No	0.01	NP (normality)
Thallium (mg/l)	MW-301	0.00027	0.0000644	0.002	No	18	0.0009336	0.002994	94.44	None	No	0.01	NP (NDs)

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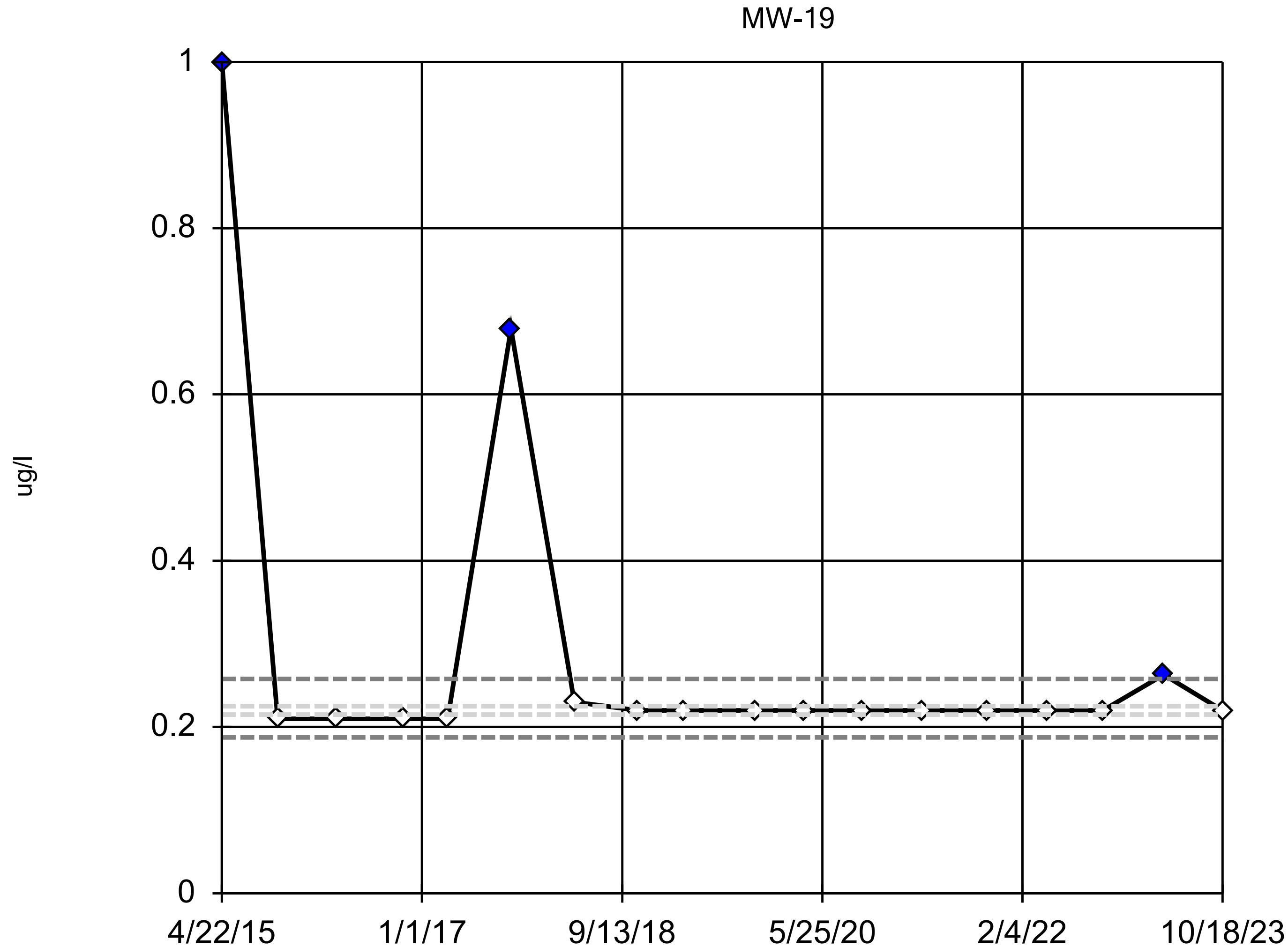
Tukey's Outlier Screening



n = 18

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.2578, low cutoff = 0.1875, based on IQR multiplier of 3.

Constituent: 1,1-Dichloroethane   Analysis Run 11/20/2023 3:51 PM   View: App I_VOCs

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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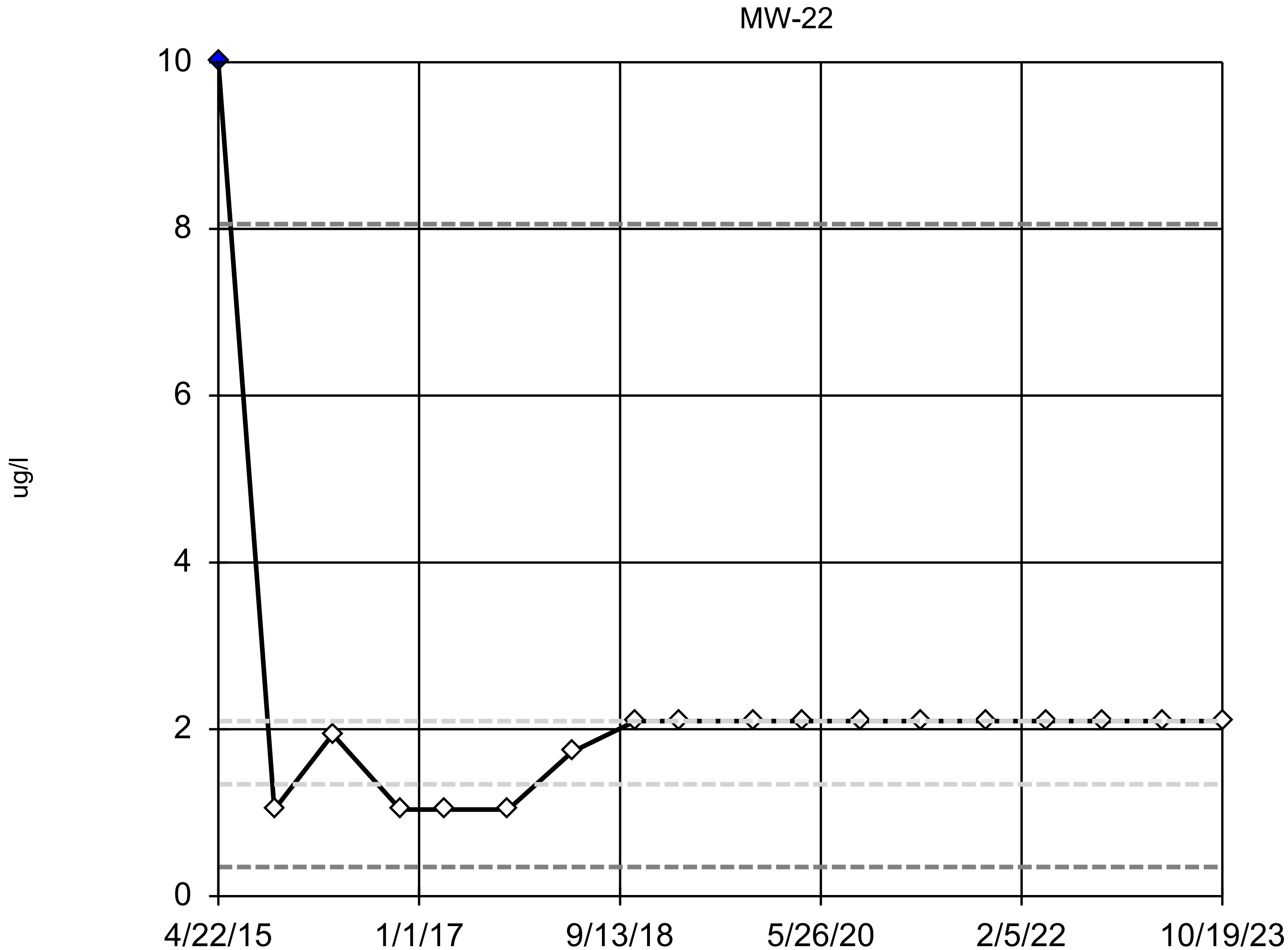
Tukey's Outlier Screening



n = 18

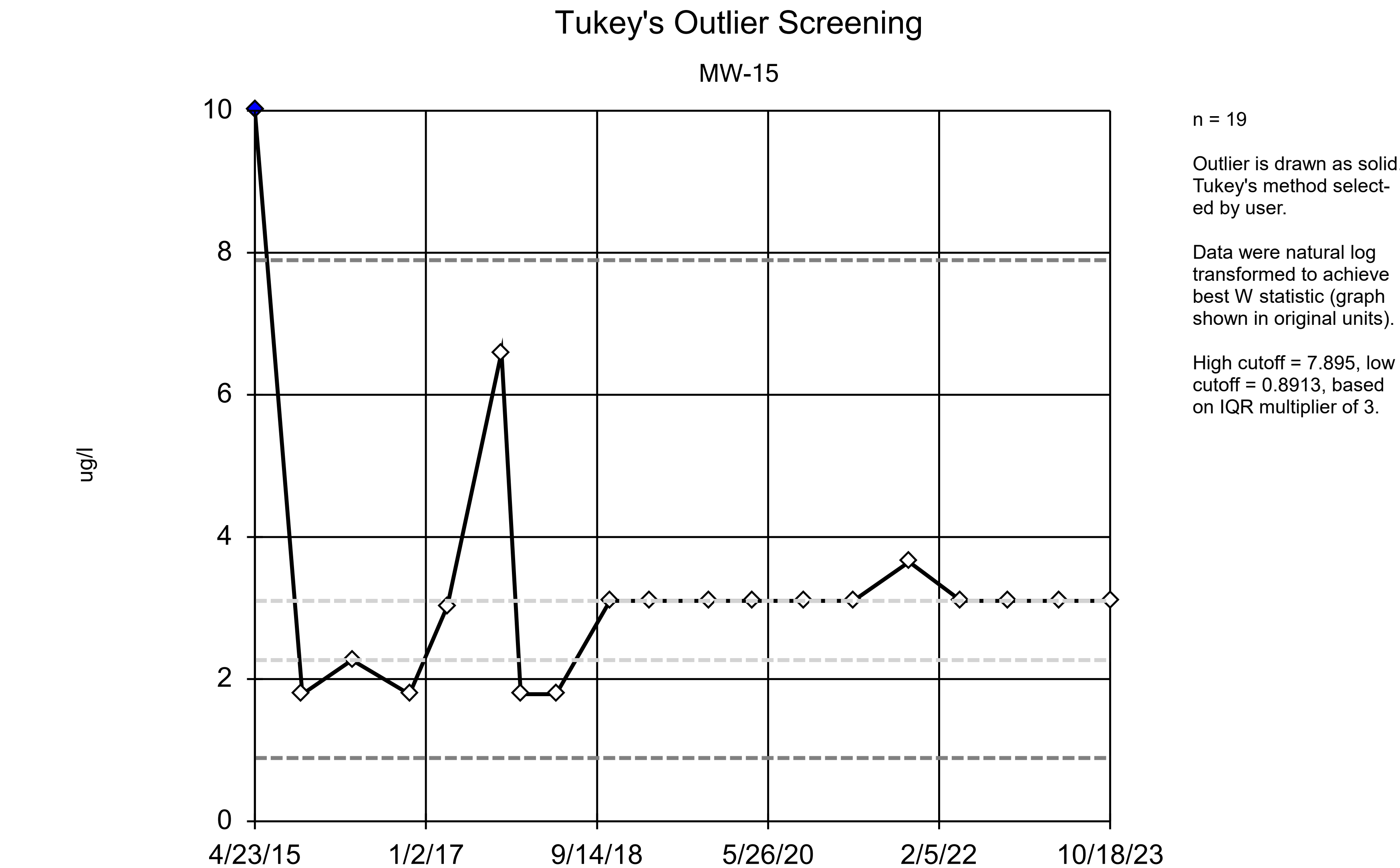
Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 8.059, low cutoff = 0.3495, based on IQR multiplier of 3.

Constituent: 2-Butanone [MEK]   Analysis Run 11/20/2023 3:53 PM   View: App I_VOCs

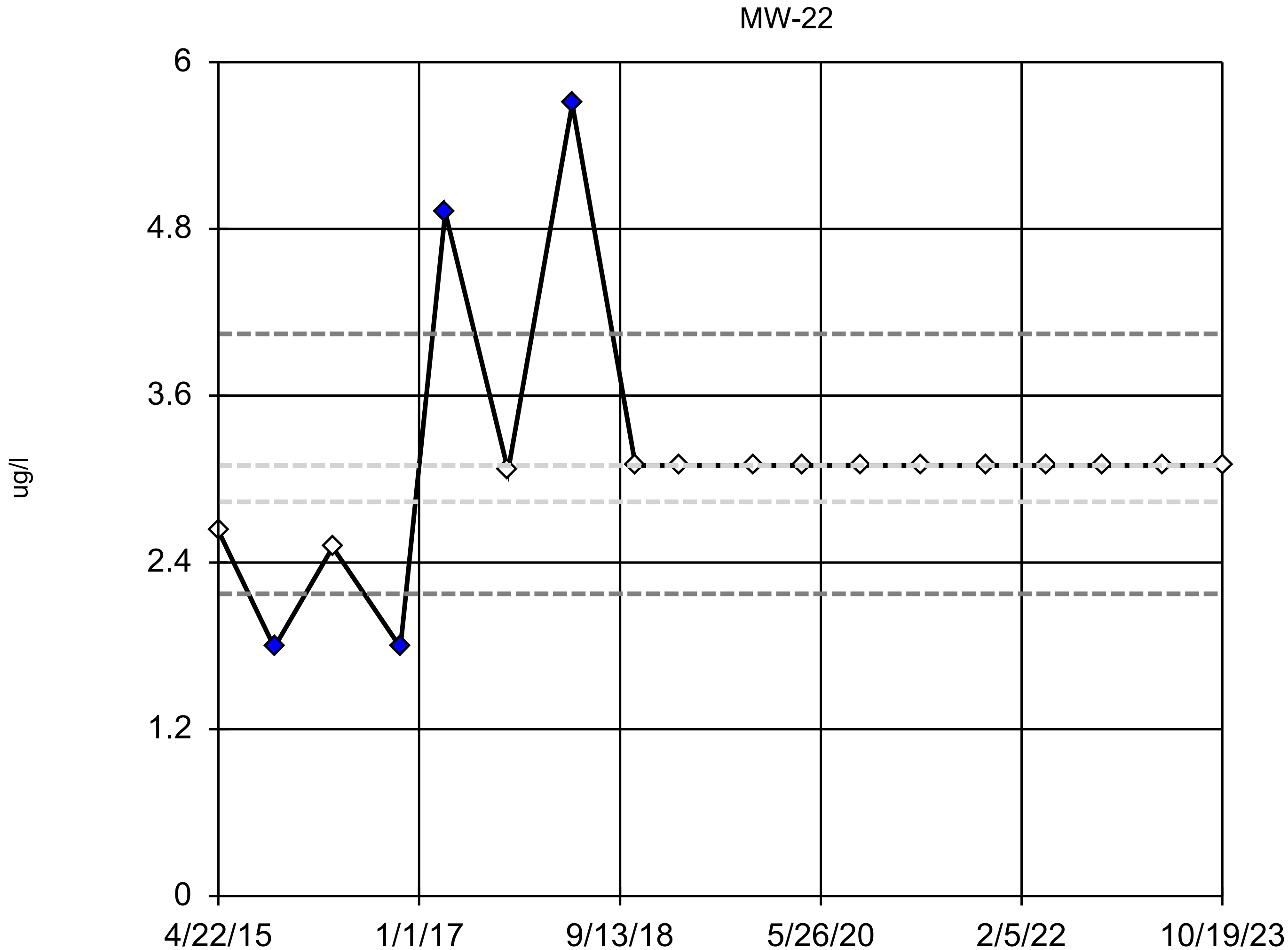
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database



Constituent: Acetone Analysis Run 11/20/2023 3:54 PM View: App I_VOCs

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Tukey's Outlier Screening



n = 18

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 4.045, low cutoff = 2.174, based on IQR multiplier of 3.

Constituent: Acetone   Analysis Run 11/20/2023 3:54 PM   View: App I_VOCs

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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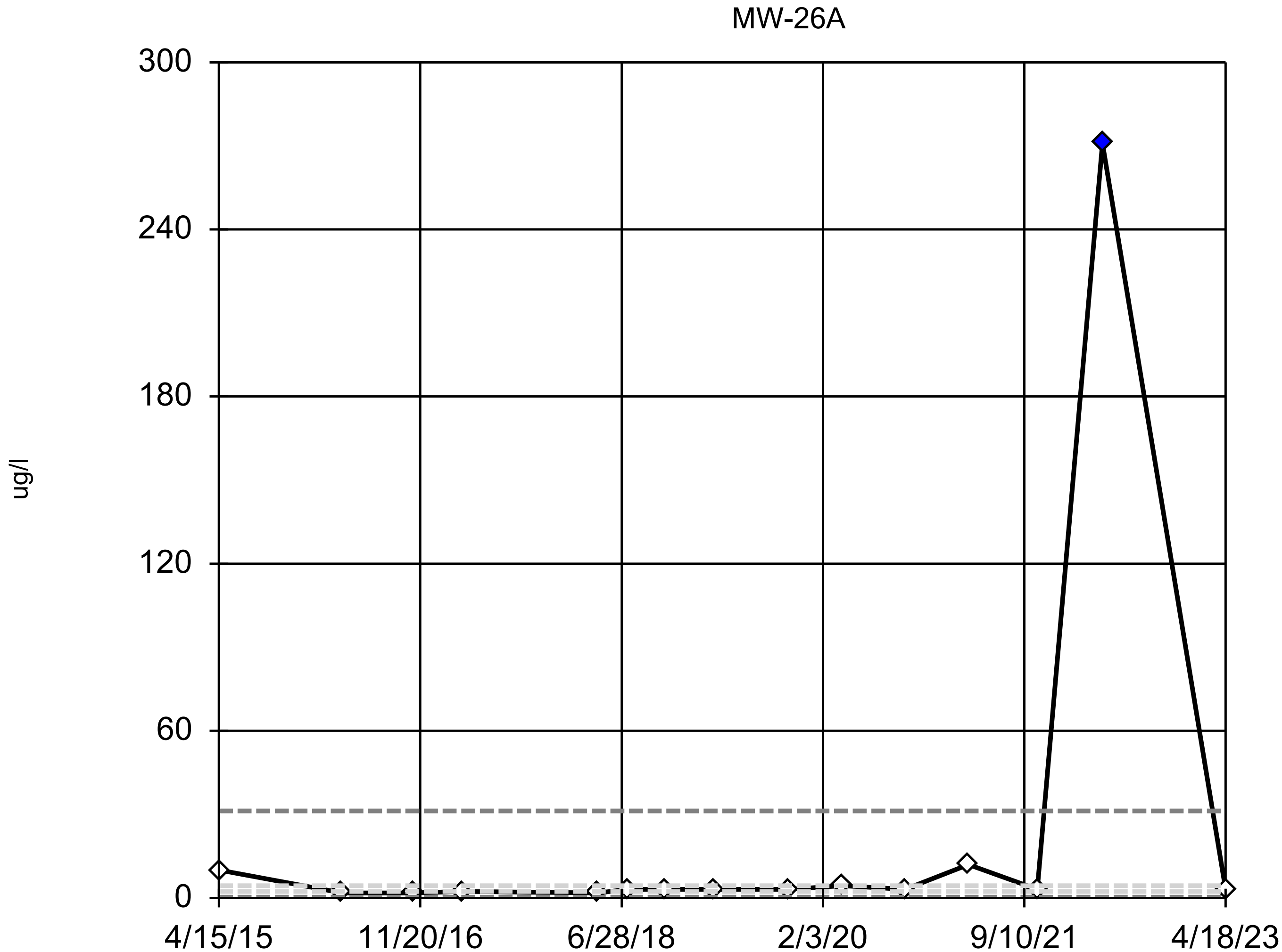
Tukey's Outlier Screening



n = 15

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 31.28, low cutoff = 0.3322, based on IQR multiplier of 3.

Constituent: Acetone Analysis Run 11/20/2023 3:54 PM View: App I_VOCs

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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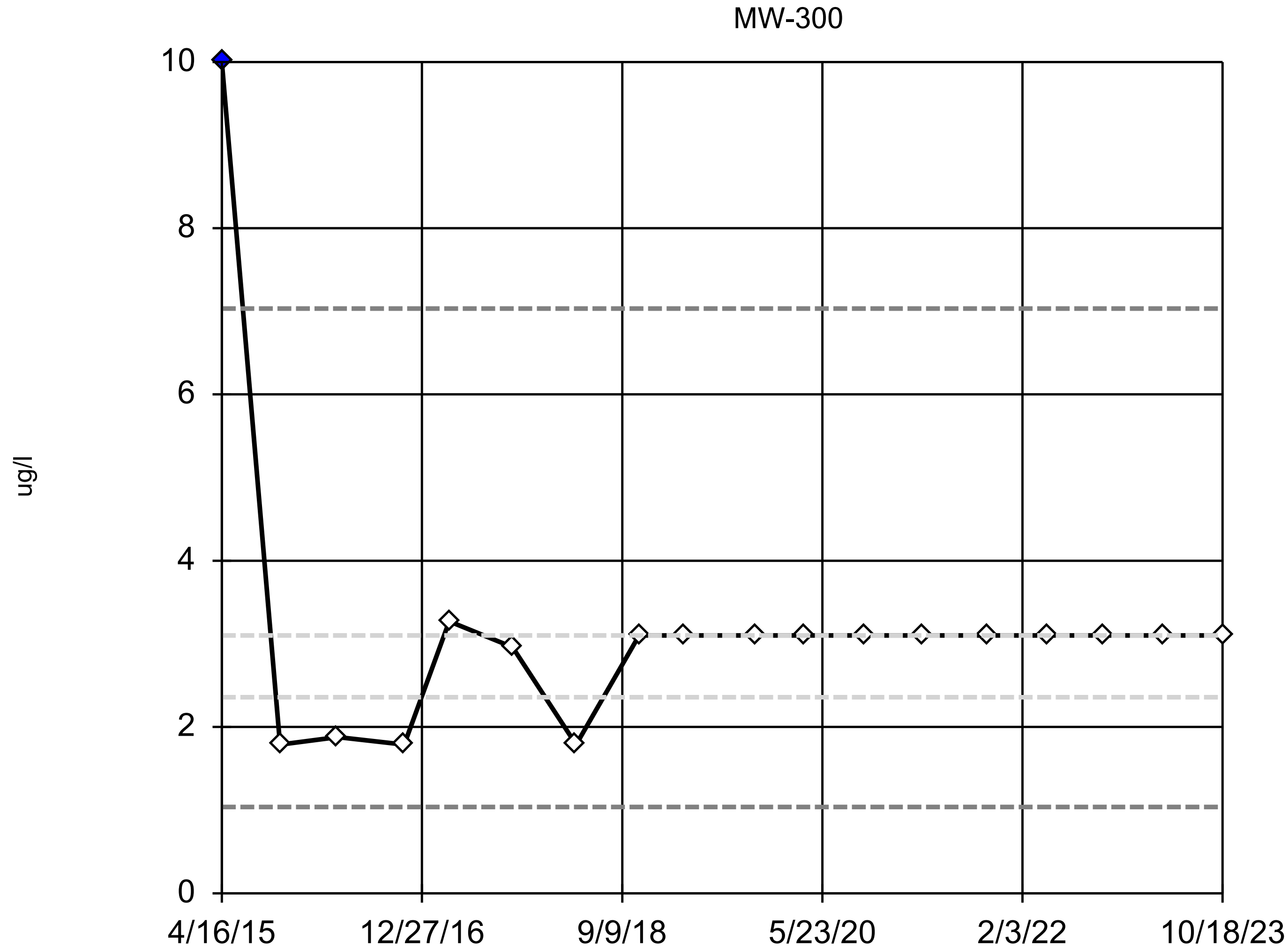
Tukey's Outlier Screening



n = 18

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 7.035, low cutoff = 1.039, based on IQR multiplier of 3.

Constituent: Acetone Analysis Run 11/20/2023 3:54 PM View: App I_VOCs

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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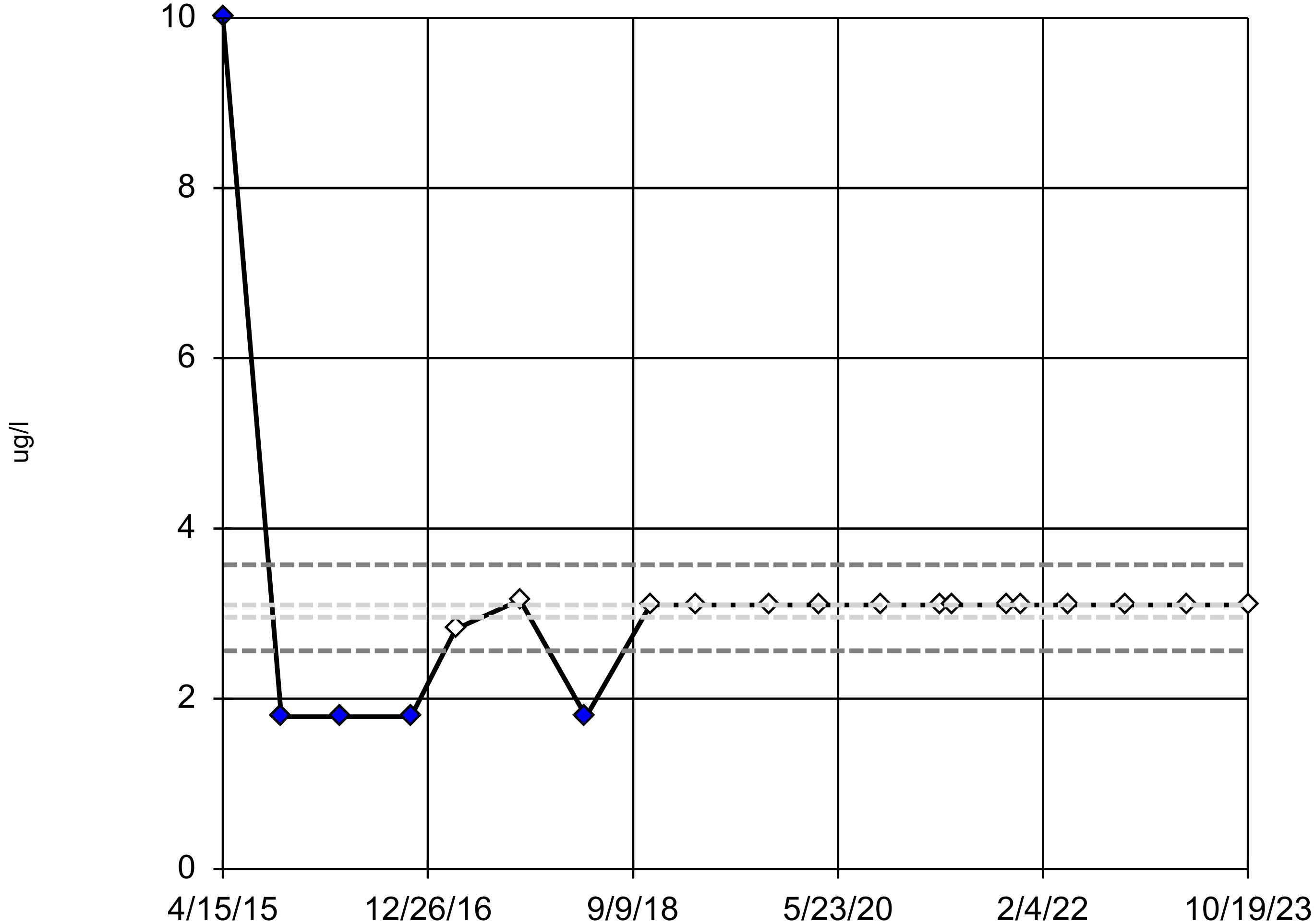
Tukey's Outlier Screening

MW-303



n = 20

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

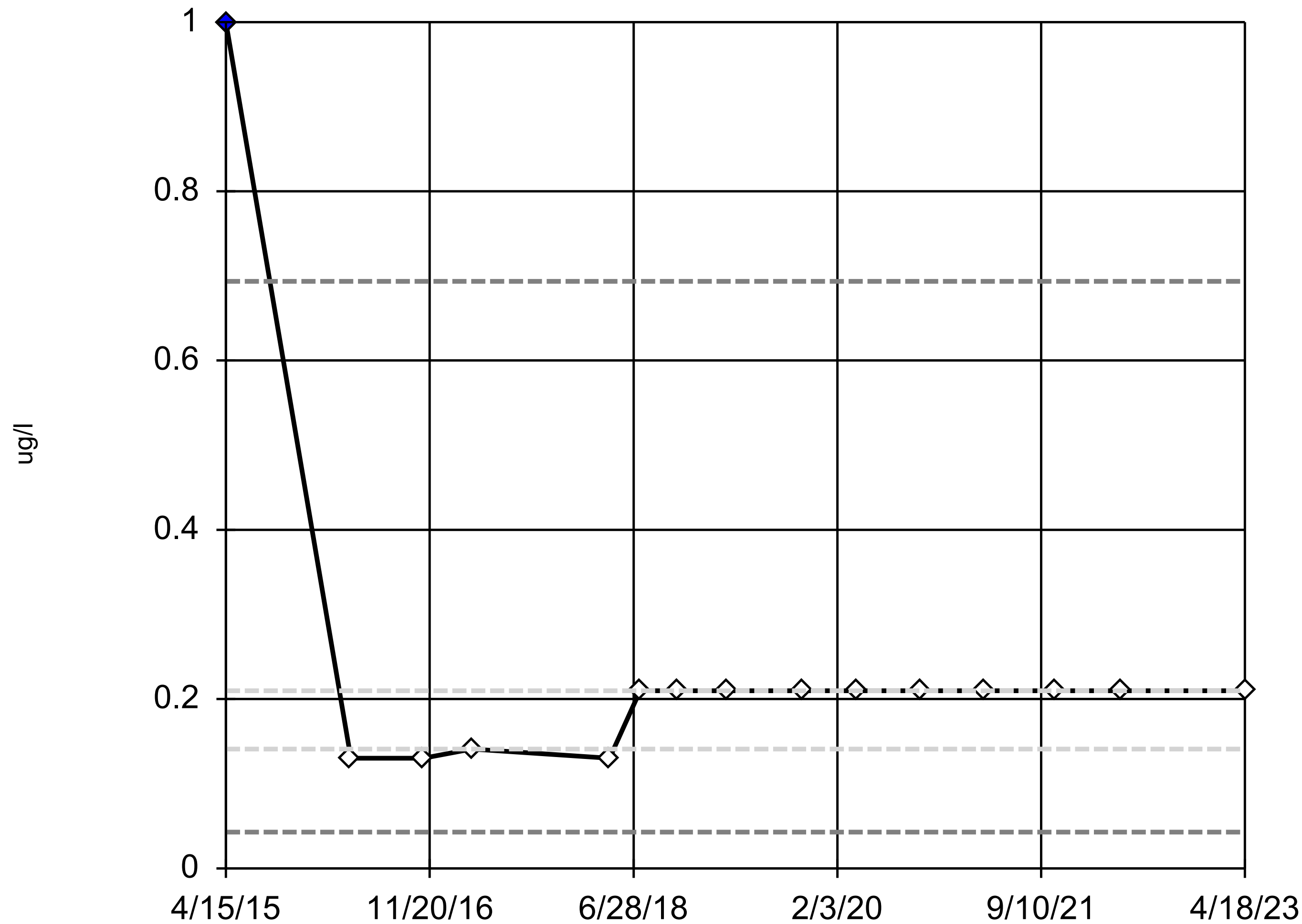
High cutoff = 3.573, low cutoff = 2.565, based on IQR multiplier of 3.

Constituent: Acetone   Analysis Run 11/20/2023 3:54 PM   View: App I_VOCs

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Tukey's Outlier Screening

MW-26A



n = 15

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.6938, low cutoff = 0.04268, based on IQR multiplier of 3.

Constituent: cis-1,2-Dichloroethene   Analysis Run 11/20/2023 3:57 PM   View: App I_VOCs

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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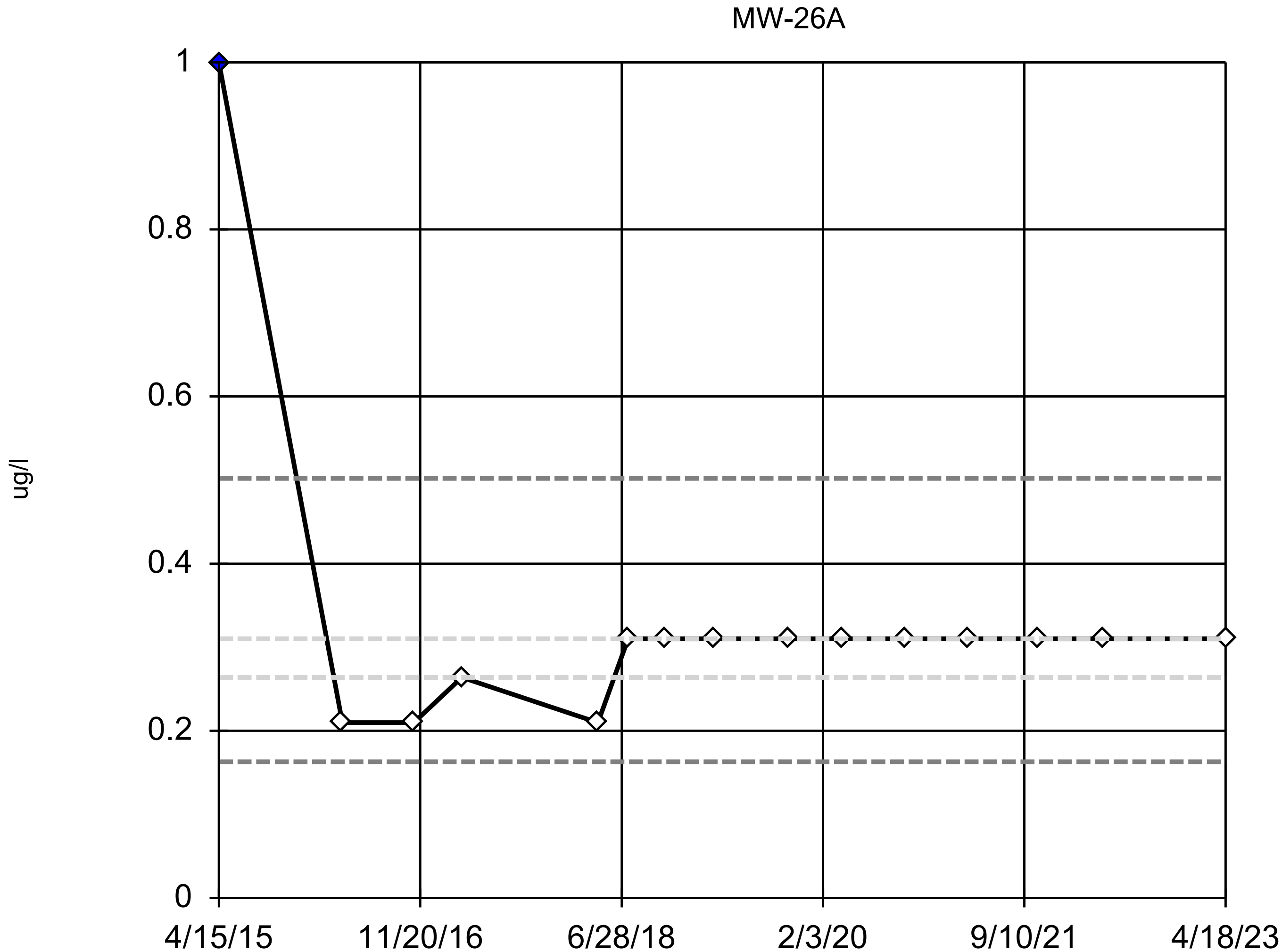
Tukey's Outlier Screening



n = 15

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.5019, low cutoff = 0.1631, based on IQR multiplier of 3.

Constituent: Ethylbenzene   Analysis Run 11/20/2023 3:58 PM   View: App I_VOCs

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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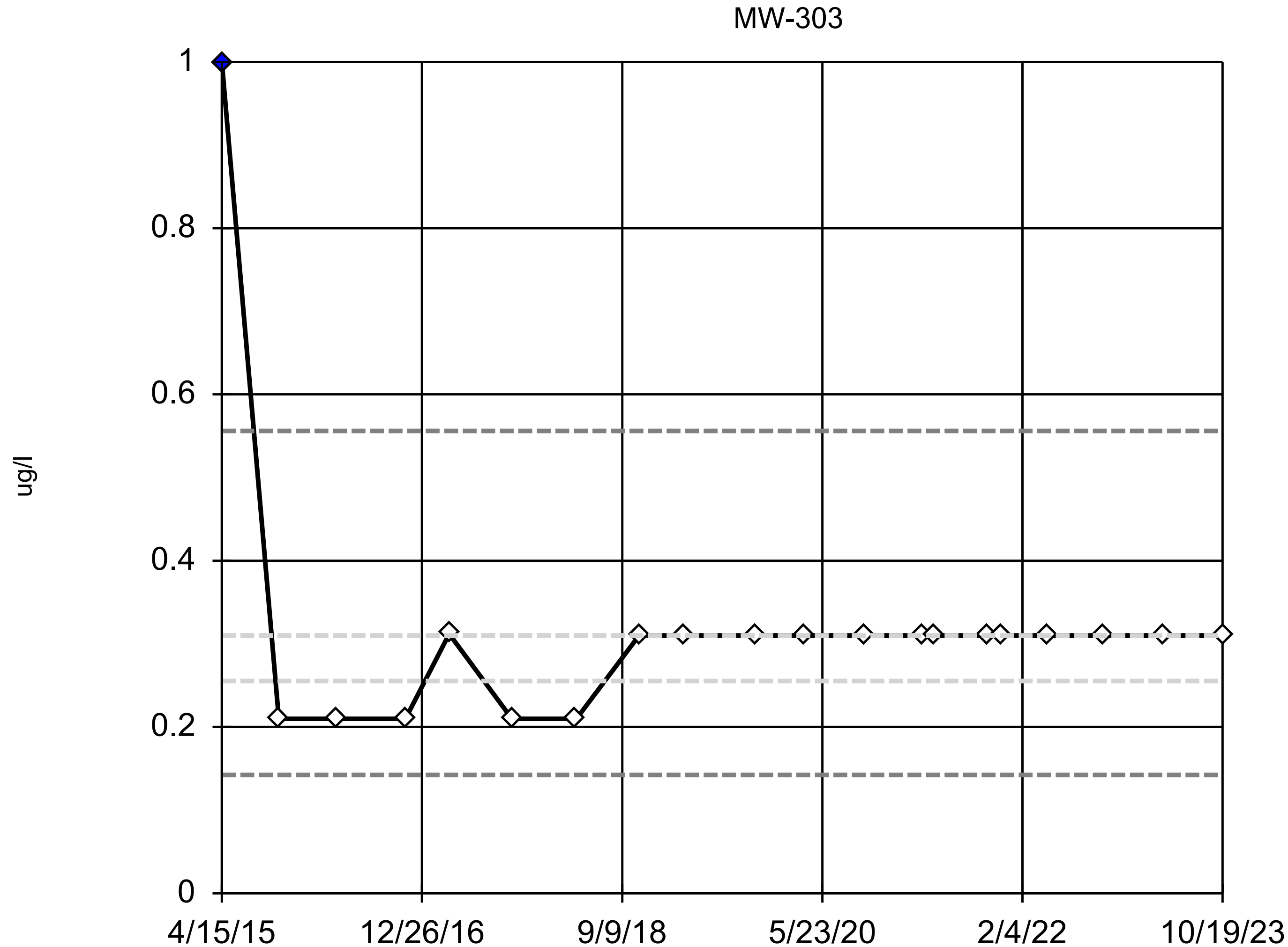
Tukey's Outlier Screening



n = 20

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.556, low cutoff = 0.1423, based on IQR multiplier of 3.

Constituent: Ethylbenzene Analysis Run 11/20/2023 3:58 PM View: App I_VOCs

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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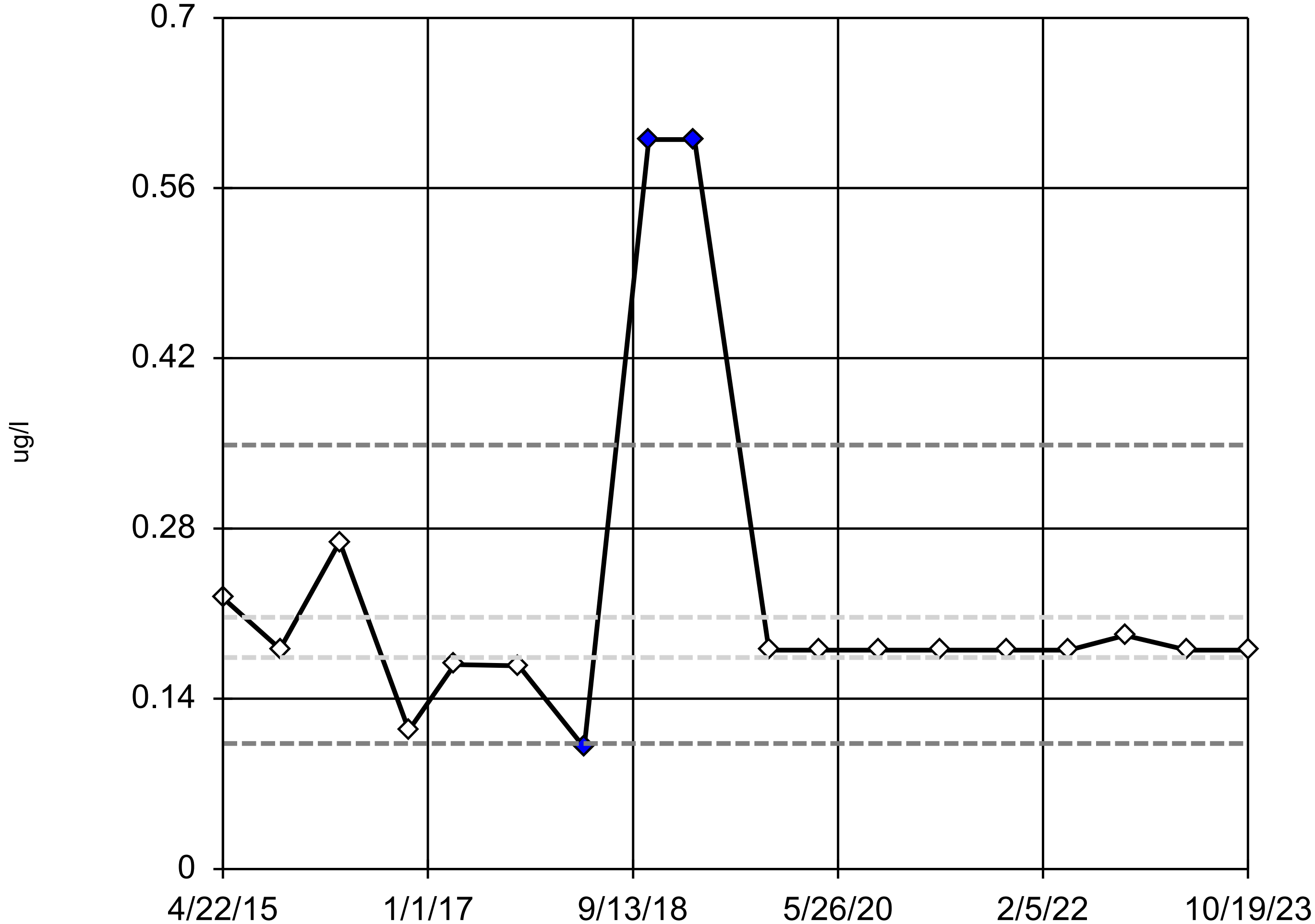
Tukey's Outlier Screening

MW-22



n = 18

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.3486, low cutoff = 0.1032, based on IQR multiplier of 3.

Constituent: Vinyl Chloride Analysis Run 11/20/2023 4:00 PM View: App I_VOCs

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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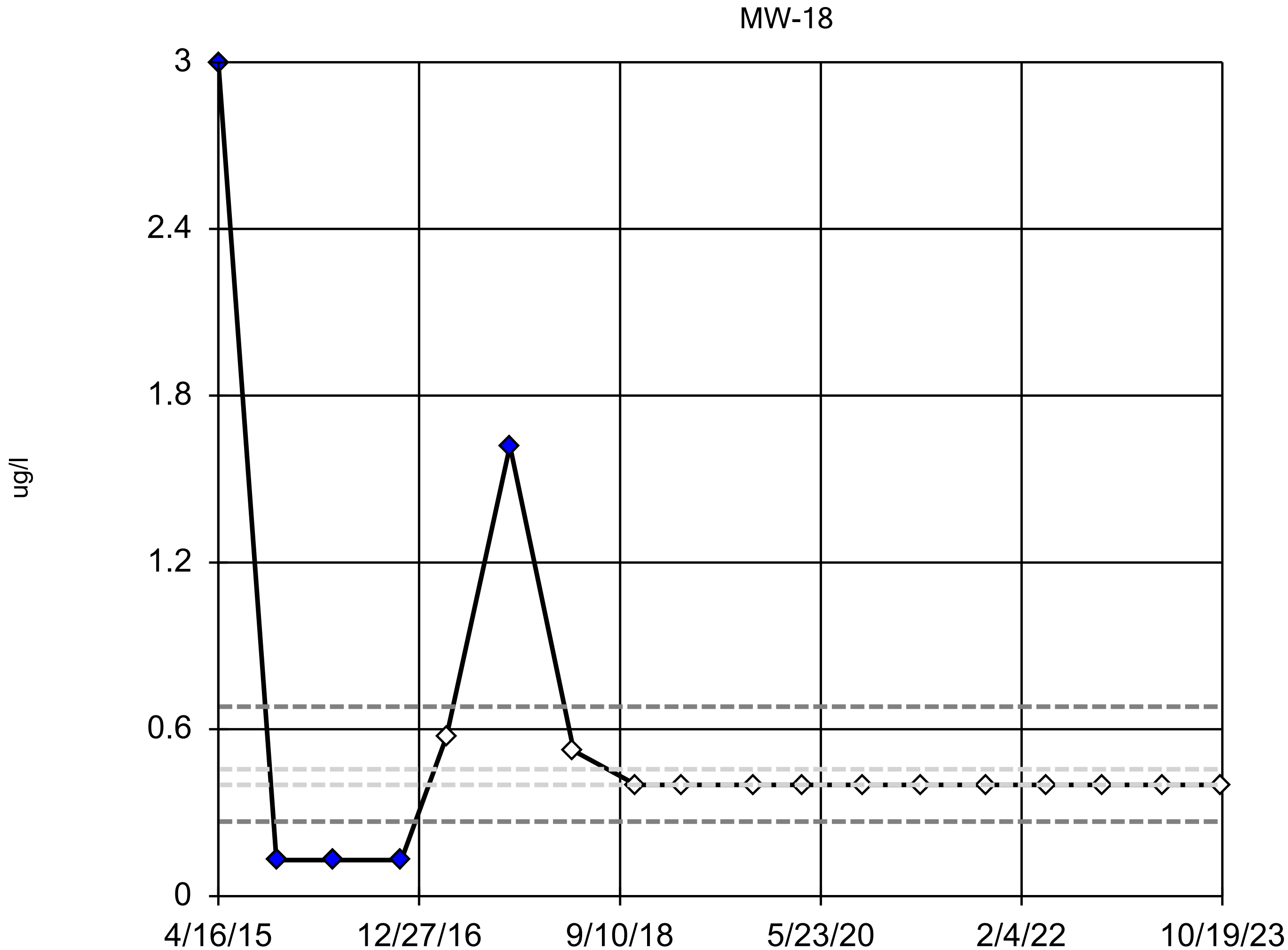
Tukey's Outlier Screening



n = 18

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.6812, low cutoff = 0.2683, based on IQR multiplier of 3.

Constituent: Xylenes, Total Analysis Run 11/20/2023 4:00 PM View: App I_VOCs

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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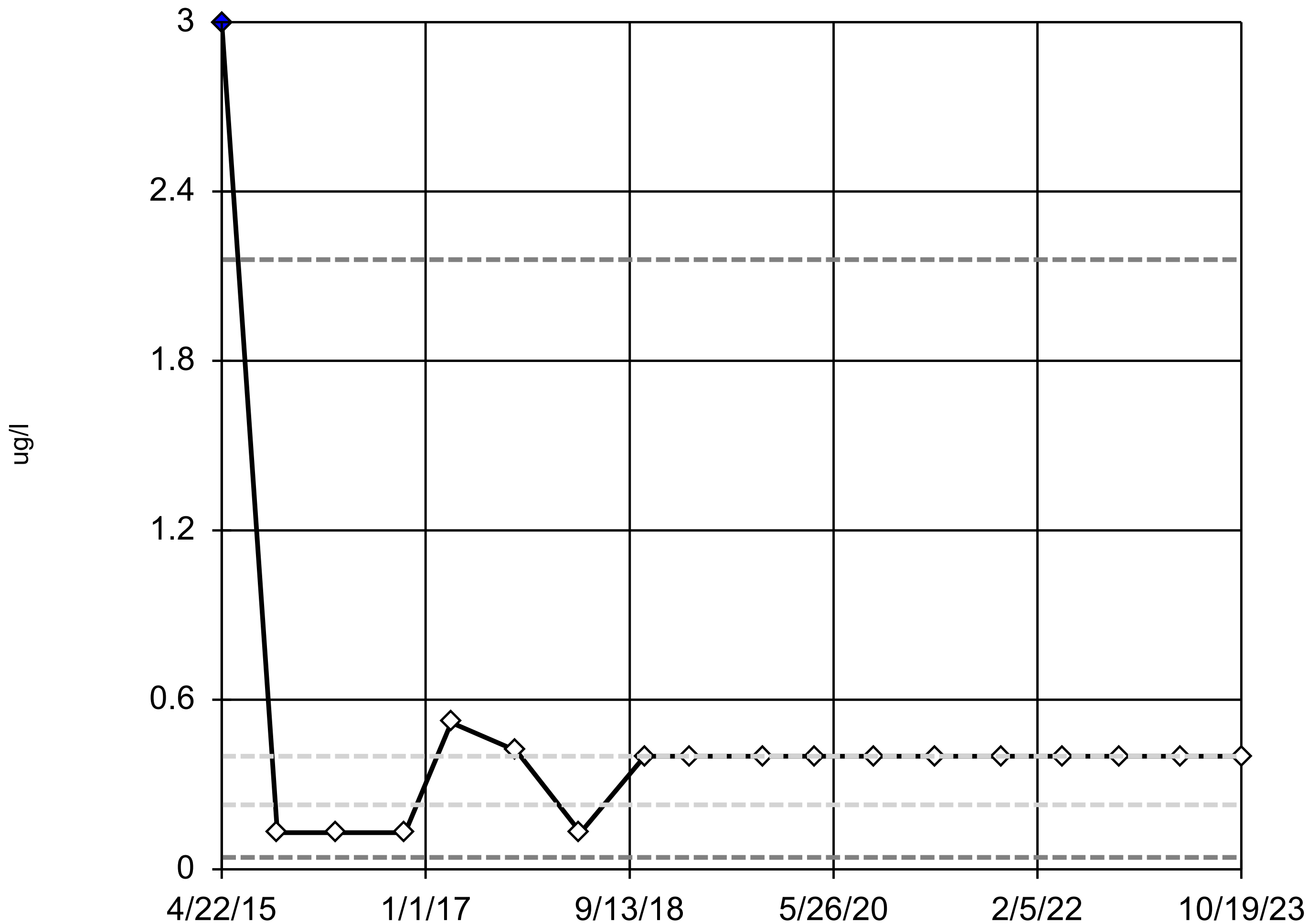
Tukey's Outlier Screening

MW-201B (bg)



n = 18

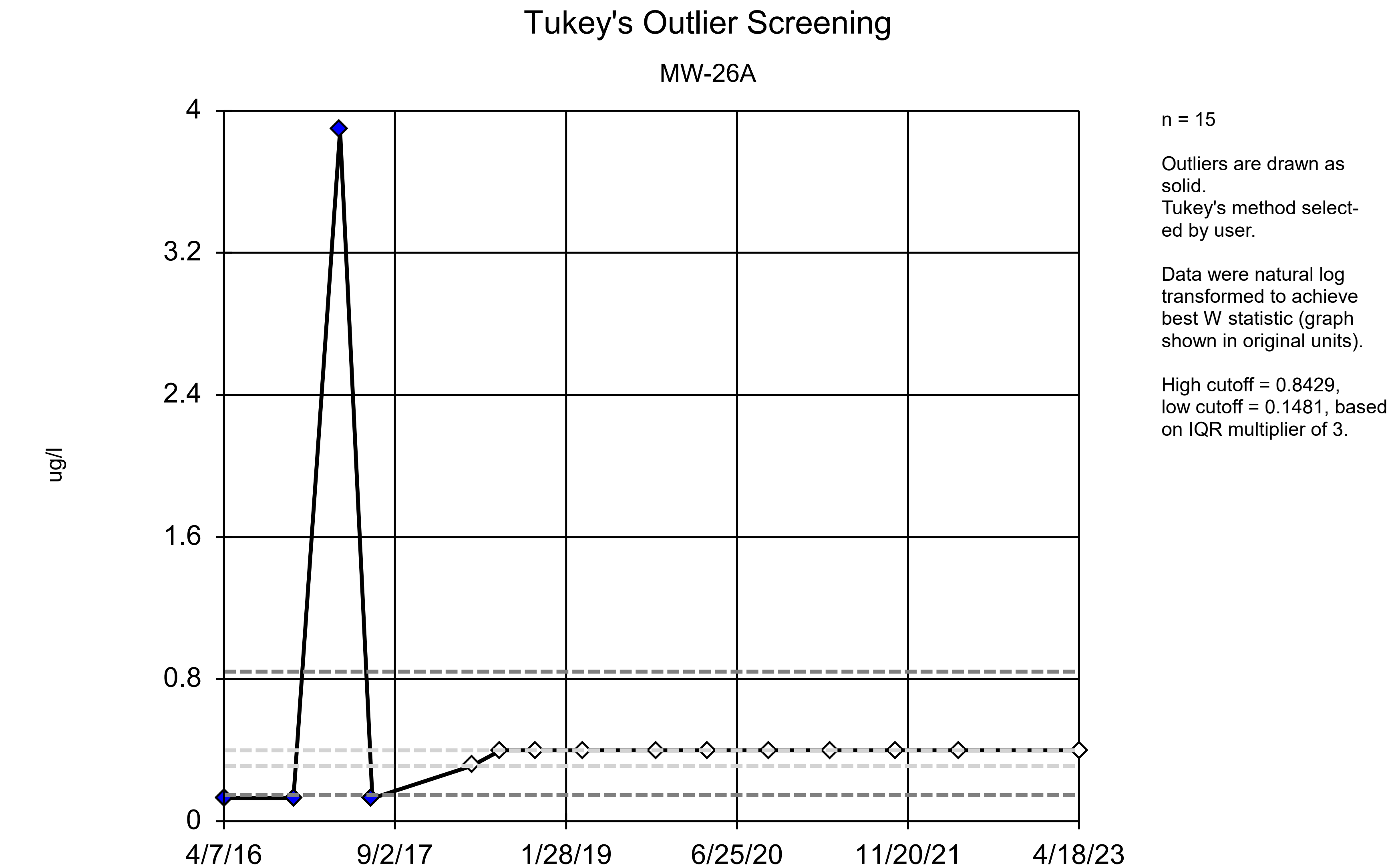
Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 2.159, low cutoff = 0.04225, based on IQR multiplier of 3.

Constituent: Xylenes, Total   Analysis Run 11/20/2023 4:00 PM   View: App I_VOCs

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database



Constituent: Xylenes, Total Analysis Run 11/20/2023 4:00 PM View: App I_VOCs

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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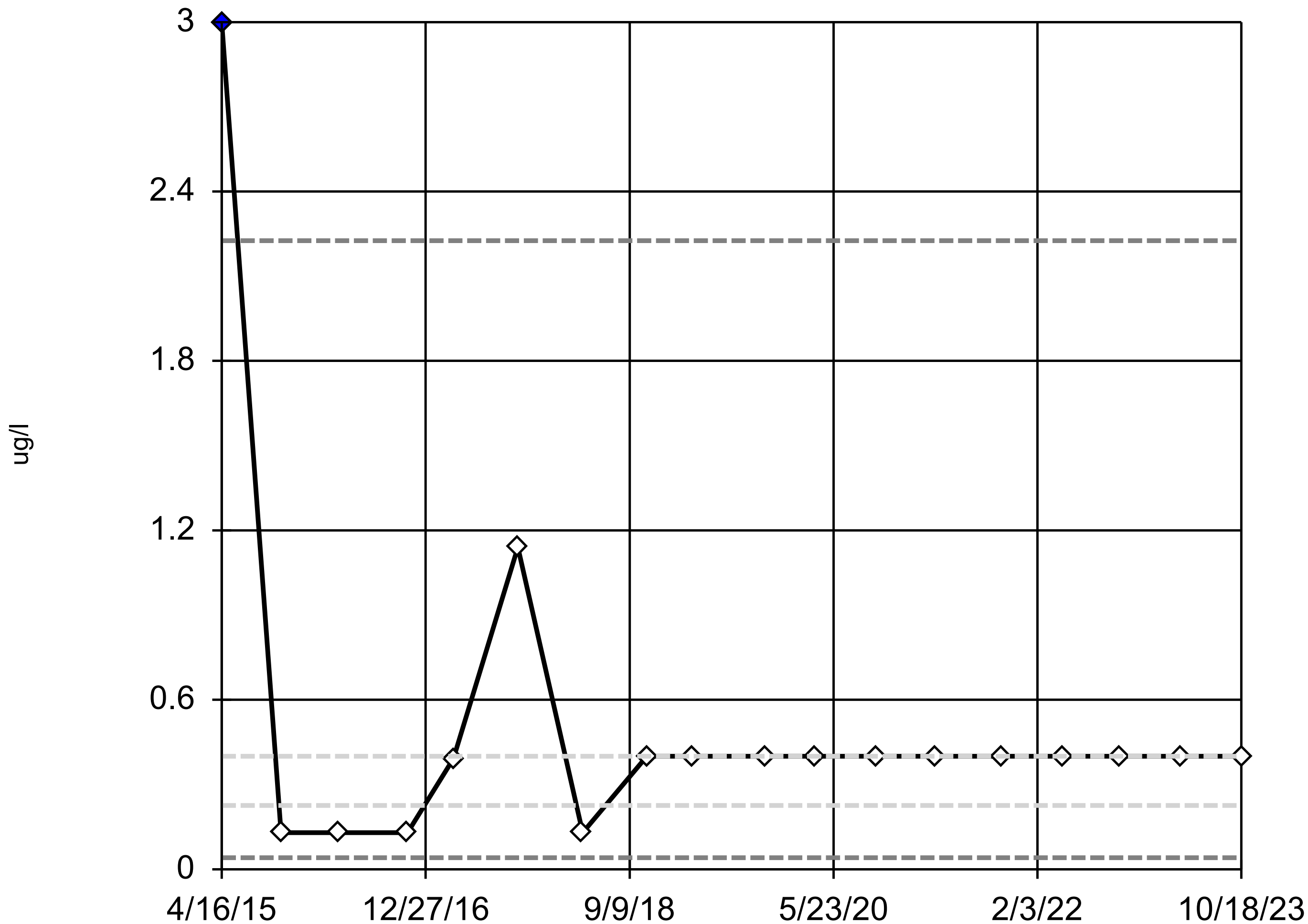
Tukey's Outlier Screening

MW-300



n = 18

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 2.225, low cutoff = 0.04058, based on IQR multiplier of 3.

Constituent: Xylenes, Total Analysis Run 11/20/2023 4:00 PM View: App I_VOCs

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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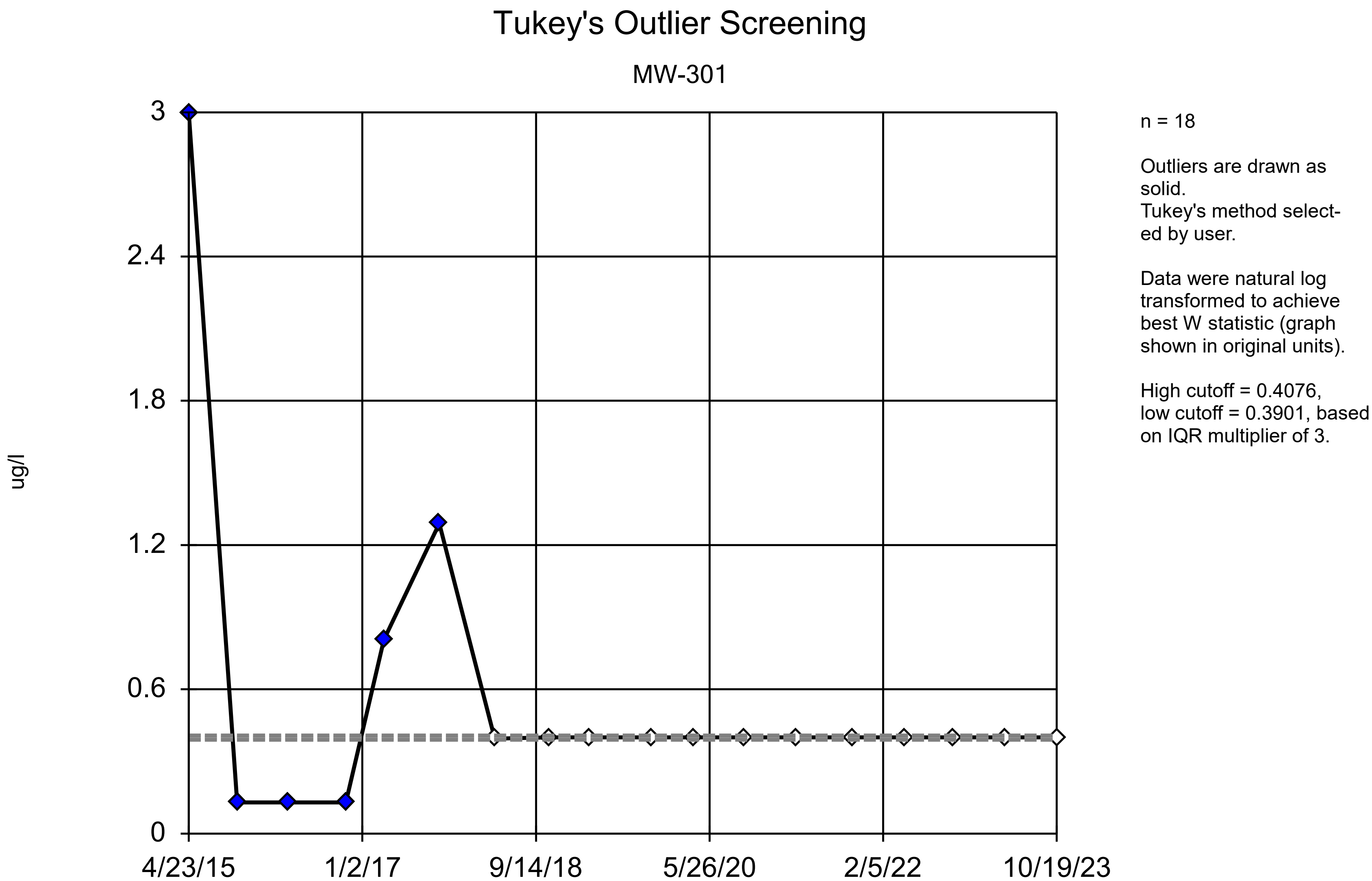

Constituent: Xylenes, Total   Analysis Run 11/20/2023 4:00 PM   View: App I_VOCs

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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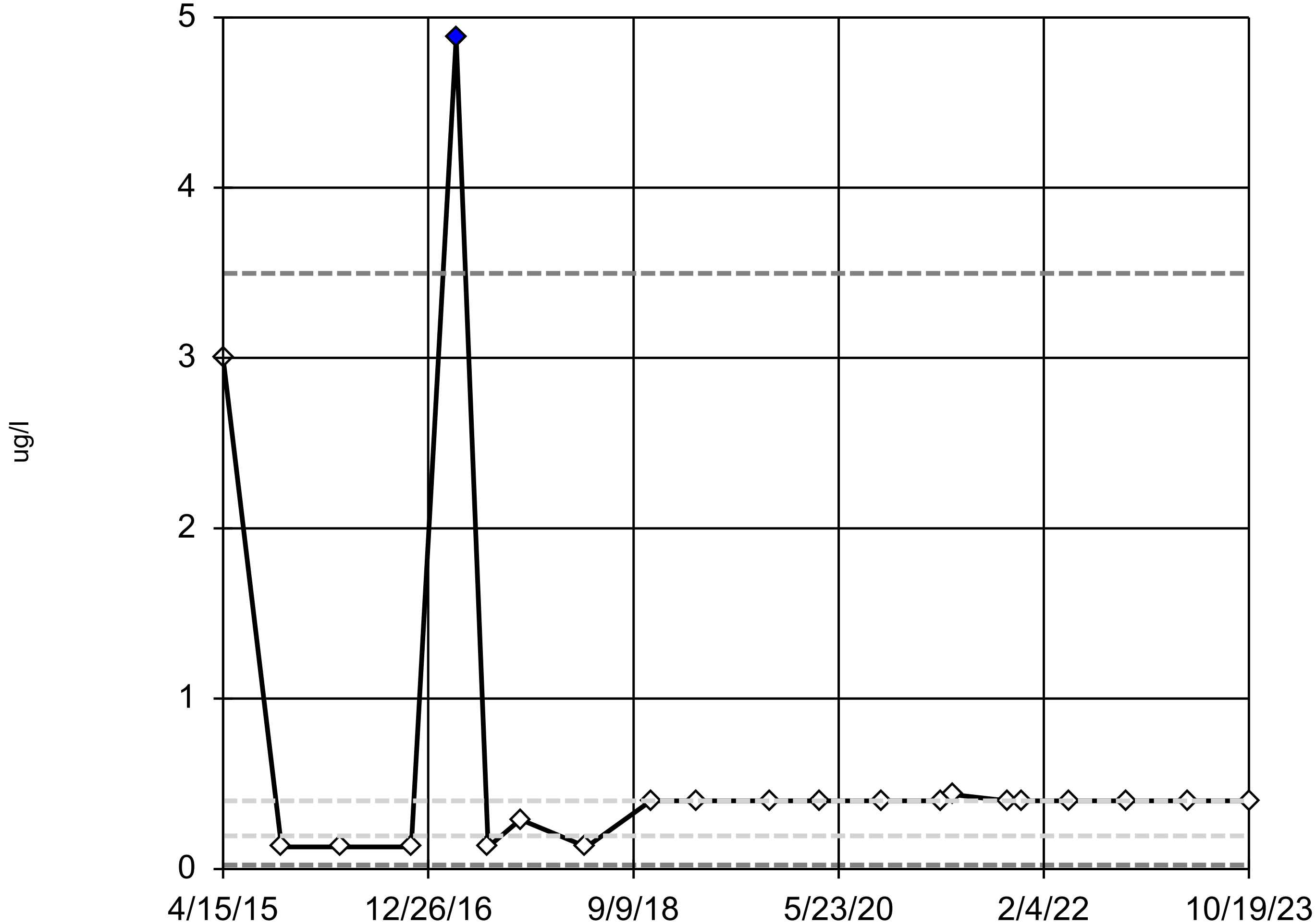
Tukey's Outlier Screening

MW-303



n = 21

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 3.497, low cutoff = 0.02221, based on IQR multiplier of 3.

Constituent: Xylenes, Total   Analysis Run 11/20/2023 4:00 PM   View: App I_VOCs

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Outlier Analysis

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/20/2023, 4:08 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
1,1,1,2-Tetrachloroethane (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.35	0.1779	unknown	ShapiroWilk
1,1,1,2-Tetrachloroethane (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.3578	0.1797	unknown	ShapiroWilk
1,1,1,2-Tetrachloroethane (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.3578	0.1797	unknown	ShapiroWilk
1,1,1,2-Tetrachloroethane (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.3578	0.1797	unknown	ShapiroWilk
1,1,1,2-Tetrachloroethane (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.3578	0.1797	unknown	ShapiroWilk
1,1,1,2-Tetrachloroethane (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.3578	0.1797	unknown	ShapiroWilk
1,1,1,2-Tetrachloroethane (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.35	0.1779	unknown	ShapiroWilk
1,1,1,2-Tetrachloroethane (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.376	0.1889	unknown	ShapiroWilk
1,1,1,2-Tetrachloroethane (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.3578	0.1797	unknown	ShapiroWilk
1,1,1,2-Tetrachloroethane (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.3578	0.1797	unknown	ShapiroWilk
1,1,1,2-Tetrachloroethane (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.35	0.1779	unknown	ShapiroWilk
1,1,1,2-Tetrachloroethane (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.36	0.1701	unknown	ShapiroWilk
1,1,1,2-Tetrachloroethane (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.3589	0.1747	unknown	ShapiroWilk
1,1,1,2-Tetrachloroethane (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.35	0.1779	unknown	ShapiroWilk
1,1,1,2-Tetrachloroethane (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.38	0	unknown	ShapiroWilk
1,1,1,2-Tetrachloroethane (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.38	0	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.2068	0.1951	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.2117	0.1996	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.2117	0.1996	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.2117	0.1996	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.2117	0.1996	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.2117	0.1996	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.2068	0.1951	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.2253	0.2166	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.2117	0.1996	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.2117	0.1996	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.2068	0.1951	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.2095	0.1889	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.2105	0.194	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.2068	0.1951	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.19	0	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.19	0	unknown	ShapiroWilk
1,1,2,2-Tetrachloroethane (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.3616	0.2376	unknown	ShapiroWilk
1,1,2,2-Tetrachloroethane (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.3761	0.2356	unknown	ShapiroWilk
1,1,2,2-Tetrachloroethane (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.3761	0.2356	unknown	ShapiroWilk
1,1,2,2-Tetrachloroethane (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.3761	0.2356	unknown	ShapiroWilk
1,1,2,2-Tetrachloroethane (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.3761	0.2356	unknown	ShapiroWilk
1,1,2,2-Tetrachloroethane (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.3761	0.2356	unknown	ShapiroWilk
1,1,2,2-Tetrachloroethane (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.3616	0.2376	unknown	ShapiroWilk
1,1,2,2-Tetrachloroethane (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.4067	0.2343	unknown	ShapiroWilk
1,1,2,2-Tetrachloroethane (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.3761	0.2356	unknown	ShapiroWilk
1,1,2,2-Tetrachloroethane (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.3761	0.2356	unknown	ShapiroWilk
1,1,2,2-Tetrachloroethane (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.3616	0.2376	unknown	ShapiroWilk
1,1,2,2-Tetrachloroethane (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.3855	0.2247	unknown	ShapiroWilk
1,1,2,2-Tetrachloroethane (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.3811	0.23	unknown	ShapiroWilk
1,1,2,2-Tetrachloroethane (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.3616	0.2376	unknown	ShapiroWilk
1,1,2,2-Tetrachloroethane (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.47	0	unknown	ShapiroWilk
1,1,2,2-Tetrachloroethane (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.47	0	unknown	ShapiroWilk
1,1,2-Trichloroethane (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.3574	0.2238	unknown	ShapiroWilk
1,1,2-Trichloroethane (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.3706	0.2226	unknown	ShapiroWilk

Outlier Analysis

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/20/2023, 4:08 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
1,1,2-Trichloroethane (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.3706	0.2226	unknown	ShapiroWilk
1,1,2-Trichloroethane (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.3706	0.2226	unknown	ShapiroWilk
1,1,2-Trichloroethane (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.3706	0.2226	unknown	ShapiroWilk
1,1,2-Trichloroethane (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.3706	0.2226	unknown	ShapiroWilk
1,1,2-Trichloroethane (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.3574	0.2238	unknown	ShapiroWilk
1,1,2-Trichloroethane (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.3987	0.2234	unknown	ShapiroWilk
1,1,2-Trichloroethane (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.3706	0.2226	unknown	ShapiroWilk
1,1,2-Trichloroethane (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.3706	0.2226	unknown	ShapiroWilk
1,1,2-Trichloroethane (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.3574	0.2238	unknown	ShapiroWilk
1,1,2-Trichloroethane (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.3785	0.212	unknown	ShapiroWilk
1,1,2-Trichloroethane (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.3747	0.2171	unknown	ShapiroWilk
1,1,2-Trichloroethane (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.3574	0.2238	unknown	ShapiroWilk
1,1,2-Trichloroethane (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.45	0	unknown	ShapiroWilk
1,1,2-Trichloroethane (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.45	0	unknown	ShapiroWilk
1,1-Dichloroethane (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.2574	0.1799	unknown	ShapiroWilk
1,1-Dichloroethane (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.26	0.1847	unknown	ShapiroWilk
1,1-Dichloroethane (ug/l)	**MW-19**	**Yes**	**1,0.679...**	**4/22/2015,10...**	**NP**	**NaN**	**18**	**0.2896**	**0.2078**	**ln(x)**	**ShapiroWilk**
1,1-Dichloroethane (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.26	0.1847	unknown	ShapiroWilk
1,1-Dichloroethane (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.26	0.1847	unknown	ShapiroWilk
1,1-Dichloroethane (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.26	0.1847	unknown	ShapiroWilk
1,1-Dichloroethane (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.2574	0.1799	unknown	ShapiroWilk
1,1-Dichloroethane (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.2512	0.07651	unknown	ShapiroWilk
1,1-Dichloroethane (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.26	0.1847	unknown	ShapiroWilk
1,1-Dichloroethane (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.26	0.1847	unknown	ShapiroWilk
1,1-Dichloroethane (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.2574	0.1799	unknown	ShapiroWilk
1,1-Dichloroethane (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.256	0.1752	unknown	ShapiroWilk
1,1-Dichloroethane (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.2579	0.1798	unknown	ShapiroWilk
1,1-Dichloroethane (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.2574	0.1799	unknown	ShapiroWilk
1,1-Dichloroethane (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.22	0	unknown	ShapiroWilk
1,1-Dichloroethane (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.22	0	unknown	ShapiroWilk
1,1-Dichloroethene (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.4847	0.4178	unknown	ShapiroWilk
1,1-Dichloroethene (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.5033	0.4218	unknown	ShapiroWilk
1,1-Dichloroethene (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.5033	0.4218	unknown	ShapiroWilk
1,1-Dichloroethene (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.5033	0.4218	unknown	ShapiroWilk
1,1-Dichloroethene (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.5033	0.4218	unknown	ShapiroWilk
1,1-Dichloroethene (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.5033	0.4218	unknown	ShapiroWilk
1,1-Dichloroethene (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.4847	0.4178	unknown	ShapiroWilk
1,1-Dichloroethene (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.5467	0.4427	unknown	ShapiroWilk
1,1-Dichloroethene (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.5033	0.4218	unknown	ShapiroWilk
1,1-Dichloroethene (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.5033	0.4218	unknown	ShapiroWilk
1,1-Dichloroethene (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.4847	0.4178	unknown	ShapiroWilk
1,1-Dichloroethene (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.509	0.3994	unknown	ShapiroWilk
1,1-Dichloroethene (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.5063	0.4101	unknown	ShapiroWilk
1,1-Dichloroethene (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.4847	0.4178	unknown	ShapiroWilk
1,1-Dichloroethene (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.56	0	unknown	ShapiroWilk
1,1-Dichloroethene (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.56	0	unknown	ShapiroWilk
1,2,3-Trichloropropane (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.4642	0.2342	unknown	ShapiroWilk
1,2,3-Trichloropropane (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.4794	0.2311	unknown	ShapiroWilk
1,2,3-Trichloropropane (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.4794	0.2311	unknown	ShapiroWilk
1,2,3-Trichloropropane (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.4794	0.2311	unknown	ShapiroWilk

Outlier Analysis

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/20/2023, 4:08 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
1,2,3-Trichloropropane (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.4794	0.2311	unknown	ShapiroWilk
1,2,3-Trichloropropane (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.4794	0.2311	unknown	ShapiroWilk
1,2,3-Trichloropropane (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.4642	0.2342	unknown	ShapiroWilk
1,2,3-Trichloropropane (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.5107	0.2258	unknown	ShapiroWilk
1,2,3-Trichloropropane (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.4794	0.2311	unknown	ShapiroWilk
1,2,3-Trichloropropane (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.4937	0.2457	unknown	ShapiroWilk
1,2,3-Trichloropropane (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.4642	0.2342	unknown	ShapiroWilk
1,2,3-Trichloropropane (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.4905	0.2213	unknown	ShapiroWilk
1,2,3-Trichloropropane (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.4853	0.226	unknown	ShapiroWilk
1,2,3-Trichloropropane (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.4642	0.2342	unknown	ShapiroWilk
1,2,3-Trichloropropane (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.59	0	unknown	ShapiroWilk
1,2,3-Trichloropropane (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.59	0	unknown	ShapiroWilk
1,2-Dibromo-3-chloropropane (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	1.405	2.109	unknown	ShapiroWilk
1,2-Dibromo-3-chloropropane (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	1.456	2.158	unknown	ShapiroWilk
1,2-Dibromo-3-chloropropane (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	1.456	2.158	unknown	ShapiroWilk
1,2-Dibromo-3-chloropropane (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	1.456	2.158	unknown	ShapiroWilk
1,2-Dibromo-3-chloropropane (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	1.456	2.158	unknown	ShapiroWilk
1,2-Dibromo-3-chloropropane (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	1.456	2.158	unknown	ShapiroWilk
1,2-Dibromo-3-chloropropane (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	1.405	2.109	unknown	ShapiroWilk
1,2-Dibromo-3-chloropropane (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	1.6	2.345	unknown	ShapiroWilk
1,2-Dibromo-3-chloropropane (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	1.456	2.158	unknown	ShapiroWilk
1,2-Dibromo-3-chloropropane (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	1.456	2.158	unknown	ShapiroWilk
1,2-Dibromo-3-chloropropane (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	1.405	2.109	unknown	ShapiroWilk
1,2-Dibromo-3-chloropropane (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	1.43	2.043	unknown	ShapiroWilk
1,2-Dibromo-3-chloropropane (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	1.442	2.098	unknown	ShapiroWilk
1,2-Dibromo-3-chloropropane (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	1.405	2.109	unknown	ShapiroWilk
1,2-Dibromo-3-chloropropane (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	1.2	0	unknown	ShapiroWilk
1,2-Dibromo-3-chloropropane (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	1.2	0	unknown	ShapiroWilk
1,2-Dibromoethane [EDB] (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.7711	2.237	unknown	ShapiroWilk
1,2-Dibromoethane [EDB] (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.8067	2.297	unknown	ShapiroWilk
1,2-Dibromoethane [EDB] (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.8067	2.297	unknown	ShapiroWilk
1,2-Dibromoethane [EDB] (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.8067	2.297	unknown	ShapiroWilk
1,2-Dibromoethane [EDB] (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.8067	2.297	unknown	ShapiroWilk
1,2-Dibromoethane [EDB] (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.8067	2.297	unknown	ShapiroWilk
1,2-Dibromoethane [EDB] (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.7711	2.237	unknown	ShapiroWilk
1,2-Dibromoethane [EDB] (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.928	2.511	unknown	ShapiroWilk
1,2-Dibromoethane [EDB] (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.8067	2.297	unknown	ShapiroWilk
1,2-Dibromoethane [EDB] (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.8067	2.297	unknown	ShapiroWilk
1,2-Dibromoethane [EDB] (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.7711	2.237	unknown	ShapiroWilk
1,2-Dibromoethane [EDB] (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.76	2.177	unknown	ShapiroWilk
1,2-Dibromoethane [EDB] (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.7821	2.234	unknown	ShapiroWilk
1,2-Dibromoethane [EDB] (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.7711	2.237	unknown	ShapiroWilk
1,2-Dibromoethane [EDB] (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.34	0	unknown	ShapiroWilk
1,2-Dibromoethane [EDB] (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.34	0	unknown	ShapiroWilk
1,2-Dichlorobenzene (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.3184	0.1995	unknown	ShapiroWilk
1,2-Dichlorobenzene (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.3283	0.2004	unknown	ShapiroWilk
1,2-Dichlorobenzene (ug/l)	MW-19	No	n/a	n/a	NP	NaN	18	0.3207	0.08939	x^2	ShapiroWilk
1,2-Dichlorobenzene (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.3283	0.2004	unknown	ShapiroWilk
1,2-Dichlorobenzene (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.3283	0.2004	unknown	ShapiroWilk
1,2-Dichlorobenzene (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.3283	0.2004	unknown	ShapiroWilk

Outlier Analysis

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/20/2023, 4:08 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
1,2-Dichlorobenzene (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.3184	0.1995	unknown	ShapiroWilk
1,2-Dichlorobenzene (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.3507	0.2075	unknown	ShapiroWilk
1,2-Dichlorobenzene (ug/l)	MW-300	No	n/a	n/a	NP	NaN	18	0.3432	0.1907	ln(x)	ShapiroWilk
1,2-Dichlorobenzene (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.3283	0.2004	unknown	ShapiroWilk
1,2-Dichlorobenzene (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.3184	0.1995	unknown	ShapiroWilk
1,2-Dichlorobenzene (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.3325	0.19	unknown	ShapiroWilk
1,2-Dichlorobenzene (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.3305	0.195	unknown	ShapiroWilk
1,2-Dichlorobenzene (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.3184	0.1995	unknown	ShapiroWilk
1,2-Dichlorobenzene (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.37	0	unknown	ShapiroWilk
1,2-Dichlorobenzene (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.37	0	unknown	ShapiroWilk
1,2-Dichloroethane (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.3447	0.1888	unknown	ShapiroWilk
1,2-Dichloroethane (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.3539	0.1899	unknown	ShapiroWilk
1,2-Dichloroethane (ug/l)	MW-19	No	n/a	n/a	NP	NaN	18	0.362	0.1833	ln(x)	ShapiroWilk
1,2-Dichloroethane (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.3541	0.1898	unknown	ShapiroWilk
1,2-Dichloroethane (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.3539	0.1899	unknown	ShapiroWilk
1,2-Dichloroethane (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.3549	0.189	unknown	ShapiroWilk
1,2-Dichloroethane (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.3447	0.1888	unknown	ShapiroWilk
1,2-Dichloroethane (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.3747	0.1973	unknown	ShapiroWilk
1,2-Dichloroethane (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.3557	0.1883	unknown	ShapiroWilk
1,2-Dichloroethane (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.3539	0.1899	unknown	ShapiroWilk
1,2-Dichloroethane (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.3447	0.1888	unknown	ShapiroWilk
1,2-Dichloroethane (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.3575	0.18	unknown	ShapiroWilk
1,2-Dichloroethane (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.3615	0.1875	unknown	ShapiroWilk
1,2-Dichloroethane (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.3447	0.1888	unknown	ShapiroWilk
1,2-Dichloroethane (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.39	0	unknown	ShapiroWilk
1,2-Dichloroethane (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.39	0	unknown	ShapiroWilk
1,2-Dichloropropane (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.5295	0.3139	unknown	ShapiroWilk
1,2-Dichloropropane (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.5106	0.3117	unknown	ShapiroWilk
1,2-Dichloropropane (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.5106	0.3117	unknown	ShapiroWilk
1,2-Dichloropropane (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.5106	0.3117	unknown	ShapiroWilk
1,2-Dichloropropane (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.5106	0.3117	unknown	ShapiroWilk
1,2-Dichloropropane (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.5106	0.3117	unknown	ShapiroWilk
1,2-Dichloropropane (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.5295	0.3139	unknown	ShapiroWilk
1,2-Dichloropropane (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.4787	0.307	unknown	ShapiroWilk
1,2-Dichloropropane (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.5106	0.3117	unknown	ShapiroWilk
1,2-Dichloropropane (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.5106	0.3117	unknown	ShapiroWilk
1,2-Dichloropropane (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.5295	0.3139	unknown	ShapiroWilk
1,2-Dichloropropane (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.4865	0.304	unknown	ShapiroWilk
1,2-Dichloropropane (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.4979	0.3079	unknown	ShapiroWilk
1,2-Dichloropropane (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.5295	0.3139	unknown	ShapiroWilk
1,2-Dichloropropane (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.27	0	unknown	ShapiroWilk
1,2-Dichloropropane (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.27	0	unknown	ShapiroWilk
1,4-Dichlorobenzene (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.2595	0.1799	unknown	ShapiroWilk
1,4-Dichlorobenzene (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.2628	0.1845	unknown	ShapiroWilk
1,4-Dichlorobenzene (ug/l)	MW-19	No	n/a	n/a	NP	NaN	18	3.236	1.991	normal	ShapiroWilk
1,4-Dichlorobenzene (ug/l)	MW-20	No	n/a	n/a	NP	NaN	18	0.4228	0.2573	ln(x)	ShapiroWilk
1,4-Dichlorobenzene (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.2628	0.1845	unknown	ShapiroWilk
1,4-Dichlorobenzene (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.2628	0.1845	unknown	ShapiroWilk
1,4-Dichlorobenzene (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.2595	0.1799	unknown	ShapiroWilk
1,4-Dichlorobenzene (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.2733	0.2015	unknown	ShapiroWilk

Outlier Analysis

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/20/2023, 4:08 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
1,4-Dichlorobenzene (ug/l)	MW-300	No	n/a	n/a	NP	NaN	18	0.8361	1.099	ln(x)	ShapiroWilk
1,4-Dichlorobenzene (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.2678	0.184	unknown	ShapiroWilk
1,4-Dichlorobenzene (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.2595	0.1799	unknown	ShapiroWilk
1,4-Dichlorobenzene (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.2595	0.1749	unknown	ShapiroWilk
1,4-Dichlorobenzene (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.2611	0.1795	unknown	ShapiroWilk
1,4-Dichlorobenzene (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.2595	0.1799	unknown	ShapiroWilk
1,4-Dichlorobenzene (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.23	0	unknown	ShapiroWilk
1,4-Dichlorobenzene (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.23	0	unknown	ShapiroWilk
2-Butanone [MEK] (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	2.065	2.018	unknown	ShapiroWilk
2-Butanone [MEK] (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	2.122	2.061	unknown	ShapiroWilk
2-Butanone [MEK] (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	2.127	2.058	unknown	ShapiroWilk
2-Butanone [MEK] (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	2.249	2.023	unknown	ShapiroWilk
2-Butanone [MEK] (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	2.154	2.038	unknown	ShapiroWilk
2-Butanone [MEK] (ug/l)	**MW-22**	**Yes**	**10**	**4/22/2015**	**NP**	**NaN**	**18**	**2.274**	**1.978**	**ln(x)**	**ShapiroWilk**
2-Butanone [MEK] (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	2.095	1.997	unknown	ShapiroWilk
2-Butanone [MEK] (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	1.787	0.8567	unknown	ShapiroWilk
2-Butanone [MEK] (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	2.154	2.038	unknown	ShapiroWilk
2-Butanone [MEK] (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	2.154	2.038	unknown	ShapiroWilk
2-Butanone [MEK] (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	2.222	2.53	unknown	ShapiroWilk
2-Butanone [MEK] (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	2.12	1.949	unknown	ShapiroWilk
2-Butanone [MEK] (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	2.151	1.981	unknown	ShapiroWilk
2-Butanone [MEK] (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	2.095	1.997	unknown	ShapiroWilk
2-Butanone [MEK] (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	2.1	0	unknown	ShapiroWilk
2-Butanone [MEK] (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	2.279	0.6708	unknown	ShapiroWilk
2-Hexanone (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	1.758	2.18	unknown	ShapiroWilk
2-Hexanone (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	1.844	2.21	unknown	ShapiroWilk
2-Hexanone (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	1.844	2.21	unknown	ShapiroWilk
2-Hexanone (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	1.844	2.21	unknown	ShapiroWilk
2-Hexanone (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	1.844	2.21	unknown	ShapiroWilk
2-Hexanone (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	1.844	2.21	unknown	ShapiroWilk
2-Hexanone (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	1.758	2.18	unknown	ShapiroWilk
2-Hexanone (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	2.053	2.344	unknown	ShapiroWilk
2-Hexanone (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	1.844	2.21	unknown	ShapiroWilk
2-Hexanone (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	1.844	2.21	unknown	ShapiroWilk
2-Hexanone (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	1.338	0.8929	unknown	ShapiroWilk
2-Hexanone (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	1.86	2.091	unknown	ShapiroWilk
2-Hexanone (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	1.853	2.148	unknown	ShapiroWilk
2-Hexanone (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	1.758	2.18	unknown	ShapiroWilk
2-Hexanone (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	2	0	unknown	ShapiroWilk
2-Hexanone (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	2	0	unknown	ShapiroWilk
4-Methyl-2-pentanone (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	1.823	2.182	unknown	ShapiroWilk
4-Methyl-2-pentanone (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	1.912	2.209	unknown	ShapiroWilk
4-Methyl-2-pentanone (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	1.912	2.209	unknown	ShapiroWilk
4-Methyl-2-pentanone (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	1.912	2.209	unknown	ShapiroWilk
4-Methyl-2-pentanone (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	1.912	2.209	unknown	ShapiroWilk
4-Methyl-2-pentanone (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	1.912	2.209	unknown	ShapiroWilk
4-Methyl-2-pentanone (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	1.823	2.182	unknown	ShapiroWilk
4-Methyl-2-pentanone (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	2.125	2.338	unknown	ShapiroWilk
4-Methyl-2-pentanone (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	1.912	2.209	unknown	ShapiroWilk
4-Methyl-2-pentanone (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	1.912	2.209	unknown	ShapiroWilk

Outlier Analysis

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/20/2023, 4:08 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
4-Methyl-2-pentanone (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	1.823	2.182	unknown	ShapiroWilk
4-Methyl-2-pentanone (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	1.931	2.091	unknown	ShapiroWilk
4-Methyl-2-pentanone (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	1.42	0.9165	unknown	ShapiroWilk
4-Methyl-2-pentanone (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	1.823	2.182	unknown	ShapiroWilk
4-Methyl-2-pentanone (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	2.1	0	unknown	ShapiroWilk
4-Methyl-2-pentanone (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	2.1	0	unknown	ShapiroWilk
Acetone (ug/l)	**MW-15**	**Yes**	**10**	**4/23/2015**	**NP**	**NaN**	**19**	**3.353**	**1.922**	**ln(x)**	**ShapiroWilk**
Acetone (ug/l)	MW-18	No	n/a	n/a	NP	NaN	18	3.146	1.811	ln(x)	ShapiroWilk
Acetone (ug/l)	MW-19	No	n/a	n/a	NP	NaN	18	3.673	1.712	ln(x)	ShapiroWilk
Acetone (ug/l)	MW-20	No	n/a	n/a	NP	NaN	18	4.649	2.137	ln(x)	ShapiroWilk
Acetone (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	3.174	1.832	unknown	ShapiroWilk
Acetone (ug/l)	**MW-22**	**Yes**	**1.79,1....**	**10/12/2015,1...**	**NP**	**NaN**	**18**	**3.139**	**0.909**	**ln(x)**	**ShapiroWilk**
Acetone (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	3.158	1.788	unknown	ShapiroWilk
Acetone (ug/l)	**MW-26A**	**Yes**	**271**	**4/25/2022**	**NP**	**NaN**	**15**	**21.79**	**69**	**ln(x)**	**ShapiroWilk**
Acetone (ug/l)	**MW-300**	**Yes**	**10**	**4/16/2015**	**NP**	**NaN**	**18**	**3.199**	**1.784**	**ln(x)**	**ShapiroWilk**
Acetone (ug/l)	MW-301	No	n/a	n/a	NP	NaN	18	2.925	0.7692	x^(1/3)	ShapiroWilk
Acetone (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	3.028	1.94	unknown	ShapiroWilk
Acetone (ug/l)	**MW-303**	**Yes**	**10,1.79...**	**4/15/2015,10...**	**NP**	**NaN**	**20**	**3.172**	**1.693**	**ln(x)**	**ShapiroWilk**
Acetone (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	3.145	1.77	unknown	ShapiroWilk
Acetone (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	3.093	1.804	unknown	ShapiroWilk
Acetone (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	3.1	0	unknown	ShapiroWilk
Acetone (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	5.014	7.163	unknown	ShapiroWilk
Acrylonitrile (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	1.995	2.102	unknown	ShapiroWilk
Acrylonitrile (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	2.077	2.132	unknown	ShapiroWilk
Acrylonitrile (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	2.077	2.132	unknown	ShapiroWilk
Acrylonitrile (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	2.077	2.132	unknown	ShapiroWilk
Acrylonitrile (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	2.077	2.132	unknown	ShapiroWilk
Acrylonitrile (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	2.077	2.132	unknown	ShapiroWilk
Acrylonitrile (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	1.995	2.102	unknown	ShapiroWilk
Acrylonitrile (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	2.275	2.266	unknown	ShapiroWilk
Acrylonitrile (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	2.077	2.132	unknown	ShapiroWilk
Acrylonitrile (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	2.077	2.132	unknown	ShapiroWilk
Acrylonitrile (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	1.995	2.102	unknown	ShapiroWilk
Acrylonitrile (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	2.089	2.017	unknown	ShapiroWilk
Acrylonitrile (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	2.083	2.072	unknown	ShapiroWilk
Acrylonitrile (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	1.995	2.102	unknown	ShapiroWilk
Acrylonitrile (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	2.2	0	unknown	ShapiroWilk
Acrylonitrile (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	2.2	0	unknown	ShapiroWilk
Benzene (ug/l)	MW-15	No	n/a	n/a	NP	NaN	19	0.2509	0.1515	ln(x)	ShapiroWilk
Benzene (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.199	0.0916	unknown	ShapiroWilk
Benzene (ug/l)	MW-19	No	n/a	n/a	NP	NaN	18	0.961	0.774	x^(1/3)	ShapiroWilk
Benzene (ug/l)	MW-20	No	n/a	n/a	NP	NaN	18	5.269	1.17	x^3	ShapiroWilk
Benzene (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.1989	0.09171	unknown	ShapiroWilk
Benzene (ug/l)	MW-22	No	n/a	n/a	NP	NaN	18	1.239	0.1528	ln(x)	ShapiroWilk
Benzene (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.2188	0.1241	unknown	ShapiroWilk
Benzene (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.2093	0.09453	unknown	ShapiroWilk
Benzene (ug/l)	MW-300	No	n/a	n/a	NP	NaN	18	0.6797	0.515	ln(x)	ShapiroWilk
Benzene (ug/l)	MW-301	No	n/a	n/a	NP	NaN	18	0.2138	0.08771	ln(x)	ShapiroWilk
Benzene (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.1942	0.09143	unknown	ShapiroWilk
Benzene (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.2052	0.08999	unknown	ShapiroWilk

Outlier Analysis

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/20/2023, 4:08 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Benzene (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.2	0.08926	unknown	ShapiroWilk
Benzene (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.1942	0.09143	unknown	ShapiroWilk
Benzene (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.22	0	unknown	ShapiroWilk
Benzene (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.22	0	unknown	ShapiroWilk
Bromochloromethane (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.62	1.08	unknown	ShapiroWilk
Bromochloromethane (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.6478	1.105	unknown	ShapiroWilk
Bromochloromethane (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.6478	1.105	unknown	ShapiroWilk
Bromochloromethane (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.6478	1.105	unknown	ShapiroWilk
Bromochloromethane (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.6478	1.105	unknown	ShapiroWilk
Bromochloromethane (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.6478	1.105	unknown	ShapiroWilk
Bromochloromethane (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.62	1.08	unknown	ShapiroWilk
Bromochloromethane (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.7253	1.198	unknown	ShapiroWilk
Bromochloromethane (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.6478	1.105	unknown	ShapiroWilk
Bromochloromethane (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.6478	1.105	unknown	ShapiroWilk
Bromochloromethane (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.62	1.08	unknown	ShapiroWilk
Bromochloromethane (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.637	1.045	unknown	ShapiroWilk
Bromochloromethane (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.6421	1.074	unknown	ShapiroWilk
Bromochloromethane (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.62	1.08	unknown	ShapiroWilk
Bromochloromethane (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.54	0	unknown	ShapiroWilk
Bromochloromethane (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.54	0	unknown	ShapiroWilk
Bromodichloromethane (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.3226	0.2103	unknown	ShapiroWilk
Bromodichloromethane (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.3339	0.2104	unknown	ShapiroWilk
Bromodichloromethane (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.3339	0.2104	unknown	ShapiroWilk
Bromodichloromethane (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.3339	0.2104	unknown	ShapiroWilk
Bromodichloromethane (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.3339	0.2104	unknown	ShapiroWilk
Bromodichloromethane (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.3339	0.2104	unknown	ShapiroWilk
Bromodichloromethane (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.3226	0.2103	unknown	ShapiroWilk
Bromodichloromethane (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.3587	0.2153	unknown	ShapiroWilk
Bromodichloromethane (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.3339	0.2104	unknown	ShapiroWilk
Bromodichloromethane (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.3339	0.2104	unknown	ShapiroWilk
Bromodichloromethane (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.3226	0.2103	unknown	ShapiroWilk
Bromodichloromethane (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.3395	0.1998	unknown	ShapiroWilk
Bromodichloromethane (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.3368	0.2049	unknown	ShapiroWilk
Bromodichloromethane (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.3226	0.2103	unknown	ShapiroWilk
Bromodichloromethane (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.39	0	unknown	ShapiroWilk
Bromodichloromethane (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.39	0	unknown	ShapiroWilk
Bromoform (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.7663	1.072	unknown	ShapiroWilk
Bromoform (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.8011	1.092	unknown	ShapiroWilk
Bromoform (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.8011	1.092	unknown	ShapiroWilk
Bromoform (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.8011	1.092	unknown	ShapiroWilk
Bromoform (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.8011	1.092	unknown	ShapiroWilk
Bromoform (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.8011	1.092	unknown	ShapiroWilk
Bromoform (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.7663	1.072	unknown	ShapiroWilk
Bromoform (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.8907	1.173	unknown	ShapiroWilk
Bromoform (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.8011	1.092	unknown	ShapiroWilk
Bromoform (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.8011	1.092	unknown	ShapiroWilk
Bromoform (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.7663	1.072	unknown	ShapiroWilk
Bromoform (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.799	1.033	unknown	ShapiroWilk
Bromoform (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.8	1.061	unknown	ShapiroWilk
Bromoform (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.7663	1.072	unknown	ShapiroWilk

Outlier Analysis

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/20/2023, 4:08 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Bromoform (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.78	0	unknown	ShapiroWilk
Bromoform (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.78	0	unknown	ShapiroWilk
Bromomethane (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.9284	0.8587	unknown	ShapiroWilk
Bromomethane (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.9678	0.8657	unknown	ShapiroWilk
Bromomethane (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.9678	0.8657	unknown	ShapiroWilk
Bromomethane (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.7707	0.4261	unknown	ShapiroWilk
Bromomethane (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.9714	0.8625	unknown	ShapiroWilk
Bromomethane (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.9678	0.8657	unknown	ShapiroWilk
Bromomethane (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.9284	0.8587	unknown	ShapiroWilk
Bromomethane (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	1.059	0.9056	unknown	ShapiroWilk
Bromomethane (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.9679	0.8656	unknown	ShapiroWilk
Bromomethane (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.9678	0.8657	unknown	ShapiroWilk
Bromomethane (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.9284	0.8587	unknown	ShapiroWilk
Bromomethane (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.981	0.8199	unknown	ShapiroWilk
Bromomethane (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.9782	0.8387	unknown	ShapiroWilk
Bromomethane (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.9327	0.8551	unknown	ShapiroWilk
Bromomethane (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	1.1	0	unknown	ShapiroWilk
Bromomethane (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	1.1	0	unknown	ShapiroWilk
Carbon Disulfide (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.4128	0.2484	unknown	ShapiroWilk
Carbon Disulfide (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.3806	0.2108	unknown	ShapiroWilk
Carbon Disulfide (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.3806	0.2108	unknown	ShapiroWilk
Carbon Disulfide (ug/l)	MW-20	No	n/a	n/a	NP	NaN	18	0.3942	0.2021	sqrt(x)	ShapiroWilk
Carbon Disulfide (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.3822	0.209	unknown	ShapiroWilk
Carbon Disulfide (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.3851	0.2064	unknown	ShapiroWilk
Carbon Disulfide (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.3684	0.2116	unknown	ShapiroWilk
Carbon Disulfide (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.4067	0.2129	unknown	ShapiroWilk
Carbon Disulfide (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.3806	0.2108	unknown	ShapiroWilk
Carbon Disulfide (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.3806	0.2108	unknown	ShapiroWilk
Carbon Disulfide (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.3911	0.21	unknown	ShapiroWilk
Carbon Disulfide (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.3875	0.2006	unknown	ShapiroWilk
Carbon Disulfide (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.3842	0.2055	unknown	ShapiroWilk
Carbon Disulfide (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.3776	0.2053	unknown	ShapiroWilk
Carbon Disulfide (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.45	0	unknown	ShapiroWilk
Carbon Disulfide (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.4664	0.0612	unknown	ShapiroWilk
Carbon Tetrachloride (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.57	0.3998	unknown	ShapiroWilk
Carbon Tetrachloride (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.5883	0.4031	unknown	ShapiroWilk
Carbon Tetrachloride (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.5883	0.4031	unknown	ShapiroWilk
Carbon Tetrachloride (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.5883	0.4031	unknown	ShapiroWilk
Carbon Tetrachloride (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.5883	0.4031	unknown	ShapiroWilk
Carbon Tetrachloride (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.5883	0.4031	unknown	ShapiroWilk
Carbon Tetrachloride (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.57	0.3998	unknown	ShapiroWilk
Carbon Tetrachloride (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.6307	0.4217	unknown	ShapiroWilk
Carbon Tetrachloride (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.5883	0.4031	unknown	ShapiroWilk
Carbon Tetrachloride (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.5883	0.4031	unknown	ShapiroWilk
Carbon Tetrachloride (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.57	0.3998	unknown	ShapiroWilk
Carbon Tetrachloride (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.5945	0.3818	unknown	ShapiroWilk
Carbon Tetrachloride (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.5916	0.392	unknown	ShapiroWilk
Carbon Tetrachloride (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.57	0.3998	unknown	ShapiroWilk
Carbon Tetrachloride (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.65	0	unknown	ShapiroWilk
Carbon Tetrachloride (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.65	0	unknown	ShapiroWilk

Outlier Analysis

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/20/2023, 4:08 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Chlorobenzene (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.3542	0.1869	unknown	ShapiroWilk
Chlorobenzene (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.3633	0.1879	unknown	ShapiroWilk
Chlorobenzene (ug/l)	MW-19	No	n/a	n/a	NP	NaN	18	4.359	2.32	normal	ShapiroWilk
Chlorobenzene (ug/l)	MW-20	No	n/a	n/a	NP	NaN	18	7.216	1.811	ln(x)	ShapiroWilk
Chlorobenzene (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.3633	0.1879	unknown	ShapiroWilk
Chlorobenzene (ug/l)	MW-22	No	n/a	n/a	NP	NaN	18	0.6157	0.2197	x^2	ShapiroWilk
Chlorobenzene (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.3542	0.1869	unknown	ShapiroWilk
Chlorobenzene (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.384	0.195	unknown	ShapiroWilk
Chlorobenzene (ug/l)	MW-300	No	n/a	n/a	NP	NaN	18	1.28	1.251	ln(x)	ShapiroWilk
Chlorobenzene (ug/l)	MW-301	No	n/a	n/a	NP	NaN	18	0.5984	0.2988	ln(x)	ShapiroWilk
Chlorobenzene (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.3542	0.1869	unknown	ShapiroWilk
Chlorobenzene (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.367	0.1781	unknown	ShapiroWilk
Chlorobenzene (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.3653	0.1828	unknown	ShapiroWilk
Chlorobenzene (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.3542	0.1869	unknown	ShapiroWilk
Chlorobenzene (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.4	0	unknown	ShapiroWilk
Chlorobenzene (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.4	0	unknown	ShapiroWilk
Chloroethane (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.7232	0.8527	unknown	ShapiroWilk
Chloroethane (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.755	0.8657	unknown	ShapiroWilk
Chloroethane (ug/l)	MW-19	No	n/a	n/a	NP	NaN	18	1.304	0.9386	ln(x)	ShapiroWilk
Chloroethane (ug/l)	MW-20	No	n/a	n/a	NP	NaN	18	0.982	0.4434	sqrt(x)	ShapiroWilk
Chloroethane (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.755	0.8657	unknown	ShapiroWilk
Chloroethane (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.755	0.8657	unknown	ShapiroWilk
Chloroethane (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.7232	0.8527	unknown	ShapiroWilk
Chloroethane (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.8333	0.9225	unknown	ShapiroWilk
Chloroethane (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.755	0.8657	unknown	ShapiroWilk
Chloroethane (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.755	0.8657	unknown	ShapiroWilk
Chloroethane (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.7232	0.8527	unknown	ShapiroWilk
Chloroethane (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.7585	0.8189	unknown	ShapiroWilk
Chloroethane (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.7568	0.8413	unknown	ShapiroWilk
Chloroethane (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.7232	0.8527	unknown	ShapiroWilk
Chloroethane (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.79	0	unknown	ShapiroWilk
Chloroethane (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.79	0	unknown	ShapiroWilk
Chloroform (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.9084	0.4977	unknown	ShapiroWilk
Chloroform (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.9433	0.4876	unknown	ShapiroWilk
Chloroform (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.9433	0.4876	unknown	ShapiroWilk
Chloroform (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.9433	0.4876	unknown	ShapiroWilk
Chloroform (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.9441	0.4866	unknown	ShapiroWilk
Chloroform (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.9433	0.4876	unknown	ShapiroWilk
Chloroform (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.9084	0.4977	unknown	ShapiroWilk
Chloroform (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	1.008	0.4608	unknown	ShapiroWilk
Chloroform (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.9433	0.4876	unknown	ShapiroWilk
Chloroform (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.9433	0.4876	unknown	ShapiroWilk
Chloroform (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.9084	0.4977	unknown	ShapiroWilk
Chloroform (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.979	0.4742	unknown	ShapiroWilk
Chloroform (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.9747	0.4851	unknown	ShapiroWilk
Chloroform (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.9084	0.4977	unknown	ShapiroWilk
Chloroform (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	1.3	0	unknown	ShapiroWilk
Chloroform (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	1.3	0	unknown	ShapiroWilk
Chloromethane (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.6258	0.5931	unknown	ShapiroWilk
Chloromethane (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.6428	0.6055	unknown	ShapiroWilk

Outlier Analysis

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/20/2023, 4:08 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Chloromethane (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.6428	0.6055	unknown	ShapiroWilk
Chloromethane (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.6428	0.6055	unknown	ShapiroWilk
Chloromethane (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.6428	0.6055	unknown	ShapiroWilk
Chloromethane (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.6428	0.6055	unknown	ShapiroWilk
Chloromethane (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.6253	0.5934	unknown	ShapiroWilk
Chloromethane (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.6893	0.6534	unknown	ShapiroWilk
Chloromethane (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.6428	0.6055	unknown	ShapiroWilk
Chloromethane (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.6428	0.6055	unknown	ShapiroWilk
Chloromethane (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.6253	0.5934	unknown	ShapiroWilk
Chloromethane (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.6395	0.5728	unknown	ShapiroWilk
Chloromethane (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.5119	0.1417	unknown	ShapiroWilk
Chloromethane (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.4878	0.1482	unknown	ShapiroWilk
Chloromethane (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.626	0.04525	unknown	ShapiroWilk
Chloromethane (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.61	0	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.2221	0.1924	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.2272	0.1966	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/l)	MW-19	No	n/a	n/a	NP	NaN	18	0.6448	0.4683	ln(x)	ShapiroWilk
cis-1,2-Dichloroethene (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.2272	0.1966	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.2272	0.1966	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/l)	MW-22	No	n/a	n/a	NP	NaN	18	0.2879	0.08699	x^2	ShapiroWilk
cis-1,2-Dichloroethene (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.2221	0.1924	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/l)	**MW-26A**	**Yes**	**1**	**4/15/2015**	**NP**	**NaN**	**15**	**0.2421**	**0.2126**	**ln(x)**	**ShapiroWilk**
cis-1,2-Dichloroethene (ug/l)	MW-300	No	n/a	n/a	NP	NaN	18	0.2527	0.1981	ln(x)	ShapiroWilk
cis-1,2-Dichloroethene (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.2272	0.1966	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.2221	0.1924	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.2338	0.1883	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.2263	0.1911	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.2221	0.1924	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.21	0	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.21	0	unknown	ShapiroWilk
cis-1,3-Dichloropropene (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.4632	1.1	unknown	ShapiroWilk
cis-1,3-Dichloropropene (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.4806	1.129	unknown	ShapiroWilk
cis-1,3-Dichloropropene (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.4806	1.129	unknown	ShapiroWilk
cis-1,3-Dichloropropene (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.4806	1.129	unknown	ShapiroWilk
cis-1,3-Dichloropropene (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.4806	1.129	unknown	ShapiroWilk
cis-1,3-Dichloropropene (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.4806	1.129	unknown	ShapiroWilk
cis-1,3-Dichloropropene (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.4632	1.1	unknown	ShapiroWilk
cis-1,3-Dichloropropene (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.54	1.235	unknown	ShapiroWilk
cis-1,3-Dichloropropene (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.4806	1.129	unknown	ShapiroWilk
cis-1,3-Dichloropropene (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.4806	1.129	unknown	ShapiroWilk
cis-1,3-Dichloropropene (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.4632	1.1	unknown	ShapiroWilk
cis-1,3-Dichloropropene (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.4575	1.07	unknown	ShapiroWilk
cis-1,3-Dichloropropene (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.4684	1.098	unknown	ShapiroWilk
cis-1,3-Dichloropropene (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.4632	1.1	unknown	ShapiroWilk
cis-1,3-Dichloropropene (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.25	0	unknown	ShapiroWilk
cis-1,3-Dichloropropene (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.25	0	unknown	ShapiroWilk
Dibromomethane (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.31	0.1824	unknown	ShapiroWilk
Dibromomethane (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.3172	0.1849	unknown	ShapiroWilk
Dibromomethane (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.3172	0.1849	unknown	ShapiroWilk
Dibromomethane (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.3172	0.1849	unknown	ShapiroWilk

Outlier Analysis

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/20/2023, 4:08 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Dibromomethane (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.3172	0.1849	unknown	ShapiroWilk
Dibromomethane (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.3172	0.1849	unknown	ShapiroWilk
Dibromomethane (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.31	0.1824	unknown	ShapiroWilk
Dibromomethane (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.3347	0.1961	unknown	ShapiroWilk
Dibromomethane (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.3172	0.1849	unknown	ShapiroWilk
Dibromomethane (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.3172	0.1849	unknown	ShapiroWilk
Dibromomethane (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.31	0.1824	unknown	ShapiroWilk
Dibromomethane (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.3185	0.1749	unknown	ShapiroWilk
Dibromomethane (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.3179	0.1797	unknown	ShapiroWilk
Dibromomethane (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.31	0.1824	unknown	ShapiroWilk
Dibromomethane (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.33	0	unknown	ShapiroWilk
Dibromomethane (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.33	0	unknown	ShapiroWilk
Dichloromethane (ug/l)	MW-15	No	n/a	n/a	NP	NaN	19	1.364	1.113	x^(1/3)	ShapiroWilk
Dichloromethane (ug/l)	MW-18	No	n/a	n/a	NP	NaN	18	1.406	1.13	x^(1/3)	ShapiroWilk
Dichloromethane (ug/l)	MW-19	No	n/a	n/a	NP	NaN	18	1.393	1.143	x^(1/3)	ShapiroWilk
Dichloromethane (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	1.385	1.151	unknown	ShapiroWilk
Dichloromethane (ug/l)	MW-201B (bg)	No	n/a	n/a	NP	NaN	18	1.384	1.152	sqrt(x)	ShapiroWilk
Dichloromethane (ug/l)	MW-22	No	n/a	n/a	NP	NaN	18	1.447	1.091	x^(1/3)	ShapiroWilk
Dichloromethane (ug/l)	MW-24	No	n/a	n/a	NP	NaN	19	1.347	1.129	x^(1/3)	ShapiroWilk
Dichloromethane (ug/l)	MW-26A	No	n/a	n/a	NP	NaN	15	1.568	1.126	x^(1/3)	ShapiroWilk
Dichloromethane (ug/l)	MW-300	No	n/a	n/a	NP	NaN	18	1.414	1.124	x^(1/3)	ShapiroWilk
Dichloromethane (ug/l)	MW-301	No	n/a	n/a	NP	NaN	18	1.395	1.142	x^(1/3)	ShapiroWilk
Dichloromethane (ug/l)	MW-302R	No	n/a	n/a	NP	NaN	19	1.343	1.132	x^(1/3)	ShapiroWilk
Dichloromethane (ug/l)	MW-303	No	n/a	n/a	NP	NaN	20	1.434	1.074	x^(1/3)	ShapiroWilk
Dichloromethane (ug/l)	MW-304R	No	n/a	n/a	NP	NaN	19	1.411	1.111	x^(1/3)	ShapiroWilk
Dichloromethane (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	1.318	1.156	unknown	ShapiroWilk
Dichloromethane (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	1.7	0	unknown	ShapiroWilk
Dichloromethane (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	1.7	0	unknown	ShapiroWilk
Ethylbenzene (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.3095	0.1742	unknown	ShapiroWilk
Ethylbenzene (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.315	0.1775	unknown	ShapiroWilk
Ethylbenzene (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.315	0.1775	unknown	ShapiroWilk
Ethylbenzene (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.315	0.1775	unknown	ShapiroWilk
Ethylbenzene (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.315	0.1775	unknown	ShapiroWilk
Ethylbenzene (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.315	0.1775	unknown	ShapiroWilk
Ethylbenzene (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.3095	0.1742	unknown	ShapiroWilk
Ethylbenzene (ug/l)	**MW-26A**	**Yes**	**1**	**4/15/2015**	**NP**	**NaN**	**15**	**0.3329**	**0.189**	**ln(x)**	**ShapiroWilk**
Ethylbenzene (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.315	0.1775	unknown	ShapiroWilk
Ethylbenzene (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.315	0.1775	unknown	ShapiroWilk
Ethylbenzene (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.3095	0.1742	unknown	ShapiroWilk
Ethylbenzene (ug/l)	**MW-303**	**Yes**	**1**	**4/15/2015**	**NP**	**NaN**	**20**	**0.3196**	**0.1661**	**ln(x)**	**ShapiroWilk**
Ethylbenzene (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.3147	0.1725	unknown	ShapiroWilk
Ethylbenzene (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.3095	0.1742	unknown	ShapiroWilk
Ethylbenzene (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.31	0	unknown	ShapiroWilk
Ethylbenzene (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.31	0	unknown	ShapiroWilk
Iodomethane (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	4.874	3.267	unknown	ShapiroWilk
Iodomethane (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	5.1	3.205	unknown	ShapiroWilk
Iodomethane (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	5.1	3.205	unknown	ShapiroWilk
Iodomethane (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	5.1	3.205	unknown	ShapiroWilk
Iodomethane (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	5.1	3.205	unknown	ShapiroWilk
Iodomethane (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	5.576	3.165	unknown	ShapiroWilk

Outlier Analysis

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/20/2023, 4:08 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Iodomethane (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	4.874	3.267	unknown	ShapiroWilk
Iodomethane (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	5.482	2.968	unknown	ShapiroWilk
Iodomethane (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	5.582	3.173	unknown	ShapiroWilk
Iodomethane (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	5.583	3.175	unknown	ShapiroWilk
Iodomethane (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	4.874	3.267	unknown	ShapiroWilk
Iodomethane (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	5.29	3.088	unknown	ShapiroWilk
Iodomethane (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	5.2	3.145	unknown	ShapiroWilk
Iodomethane (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	4.874	3.267	unknown	ShapiroWilk
Iodomethane (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	7	0	unknown	ShapiroWilk
Iodomethane (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	7	0	unknown	ShapiroWilk
Silvex [2,4,5-TP] (ug/l)	MW-20	No	n/a	n/a	NP	NaN	9	1.422	1.257	x^(1/3)	ShapiroWilk
Silvex [2,4,5-TP] (ug/l)	MW-201B (bg)	No	n/a	n/a	NP	NaN	4	0.5105	0.4	ln(x)	ShapiroWilk
Silvex [2,4,5-TP] (ug/l)	MW-22	No	n/a	n/a	NP	NaN	17	0.685	0.7348	ln(x)	ShapiroWilk
Styrene (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.3037	0.2139	unknown	ShapiroWilk
Styrene (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.315	0.2142	unknown	ShapiroWilk
Styrene (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.315	0.2142	unknown	ShapiroWilk
Styrene (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.315	0.2142	unknown	ShapiroWilk
Styrene (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.315	0.2142	unknown	ShapiroWilk
Styrene (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.315	0.2142	unknown	ShapiroWilk
Styrene (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.3037	0.2139	unknown	ShapiroWilk
Styrene (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.34	0.2196	unknown	ShapiroWilk
Styrene (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.315	0.2142	unknown	ShapiroWilk
Styrene (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.315	0.2142	unknown	ShapiroWilk
Styrene (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.3037	0.2139	unknown	ShapiroWilk
Styrene (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.3205	0.2033	unknown	ShapiroWilk
Styrene (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.3179	0.2085	unknown	ShapiroWilk
Styrene (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.3037	0.2139	unknown	ShapiroWilk
Styrene (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.37	0	unknown	ShapiroWilk
Styrene (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.37	0	unknown	ShapiroWilk
Tetrachloroethene (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.3968	0.2067	unknown	ShapiroWilk
Tetrachloroethene (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.4089	0.2057	unknown	ShapiroWilk
Tetrachloroethene (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.4089	0.2057	unknown	ShapiroWilk
Tetrachloroethene (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.4089	0.2057	unknown	ShapiroWilk
Tetrachloroethene (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.4089	0.2057	unknown	ShapiroWilk
Tetrachloroethene (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.4089	0.2057	unknown	ShapiroWilk
Tetrachloroethene (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.3968	0.2067	unknown	ShapiroWilk
Tetrachloroethene (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.4347	0.2069	unknown	ShapiroWilk
Tetrachloroethene (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.4089	0.2057	unknown	ShapiroWilk
Tetrachloroethene (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.4089	0.2057	unknown	ShapiroWilk
Tetrachloroethene (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.3968	0.2067	unknown	ShapiroWilk
Tetrachloroethene (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.416	0.1958	unknown	ShapiroWilk
Tetrachloroethene (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.4126	0.2006	unknown	ShapiroWilk
Tetrachloroethene (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.3968	0.2067	unknown	ShapiroWilk
Tetrachloroethene (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.48	0	unknown	ShapiroWilk
Tetrachloroethene (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.48	0	unknown	ShapiroWilk
Toluene (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.3568	0.2071	unknown	ShapiroWilk
Toluene (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.3709	0.2042	unknown	ShapiroWilk
Toluene (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.3683	0.2068	unknown	ShapiroWilk
Toluene (ug/l)	MW-20	No	n/a	n/a	NP	NaN	18	0.345	0.1159	x^(1/3)	ShapiroWilk
Toluene (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.3683	0.2068	unknown	ShapiroWilk

Outlier Analysis

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/20/2023, 4:08 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Toluene (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.3683	0.2068	unknown	ShapiroWilk
Toluene (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.3568	0.2071	unknown	ShapiroWilk
Toluene (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.3933	0.2102	unknown	ShapiroWilk
Toluene (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.3683	0.2068	unknown	ShapiroWilk
Toluene (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.3683	0.2068	unknown	ShapiroWilk
Toluene (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.3568	0.2071	unknown	ShapiroWilk
Toluene (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.3745	0.1965	unknown	ShapiroWilk
Toluene (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.3725	0.2004	unknown	ShapiroWilk
Toluene (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.3568	0.2071	unknown	ShapiroWilk
Toluene (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.43	0	unknown	ShapiroWilk
Toluene (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.43	0	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.2863	0.1753	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.2906	0.1794	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.2911	0.1791	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.2906	0.1794	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.2906	0.1794	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.2906	0.1794	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.2863	0.1753	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.3027	0.1948	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.2906	0.1794	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.2906	0.1794	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.2863	0.1753	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.2885	0.1698	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.2895	0.1744	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.2863	0.1753	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.27	0	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.27	0	unknown	ShapiroWilk
trans-1,3-Dichloropropene (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.6684	1.062	unknown	ShapiroWilk
trans-1,3-Dichloropropene (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.6933	1.087	unknown	ShapiroWilk
trans-1,3-Dichloropropene (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.6933	1.087	unknown	ShapiroWilk
trans-1,3-Dichloropropene (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.6933	1.087	unknown	ShapiroWilk
trans-1,3-Dichloropropene (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.6933	1.087	unknown	ShapiroWilk
trans-1,3-Dichloropropene (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.6933	1.087	unknown	ShapiroWilk
trans-1,3-Dichloropropene (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.6684	1.062	unknown	ShapiroWilk
trans-1,3-Dichloropropene (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.7653	1.182	unknown	ShapiroWilk
trans-1,3-Dichloropropene (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.6933	1.087	unknown	ShapiroWilk
trans-1,3-Dichloropropene (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.6933	1.087	unknown	ShapiroWilk
trans-1,3-Dichloropropene (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.6684	1.062	unknown	ShapiroWilk
trans-1,3-Dichloropropene (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.68	1.029	unknown	ShapiroWilk
trans-1,3-Dichloropropene (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.6863	1.057	unknown	ShapiroWilk
trans-1,3-Dichloropropene (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.6684	1.062	unknown	ShapiroWilk
trans-1,3-Dichloropropene (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.56	0	unknown	ShapiroWilk
trans-1,3-Dichloropropene (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.56	0	unknown	ShapiroWilk
trans-1,4-Dichloro-2-butene (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	1.211	2.18	unknown	ShapiroWilk
trans-1,4-Dichloro-2-butene (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	1.271	2.227	unknown	ShapiroWilk
trans-1,4-Dichloro-2-butene (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	1.271	2.227	unknown	ShapiroWilk
trans-1,4-Dichloro-2-butene (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	1.271	2.227	unknown	ShapiroWilk
trans-1,4-Dichloro-2-butene (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	1.271	2.227	unknown	ShapiroWilk
trans-1,4-Dichloro-2-butene (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	1.271	2.227	unknown	ShapiroWilk
trans-1,4-Dichloro-2-butene (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	1.211	2.18	unknown	ShapiroWilk

Outlier Analysis

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/20/2023, 4:08 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
trans-1,4-Dichloro-2-butene (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	1.435	2.41	unknown	ShapiroWilk
trans-1,4-Dichloro-2-butene (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	1.271	2.227	unknown	ShapiroWilk
trans-1,4-Dichloro-2-butene (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	1.271	2.227	unknown	ShapiroWilk
trans-1,4-Dichloro-2-butene (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	1.211	2.18	unknown	ShapiroWilk
trans-1,4-Dichloro-2-butene (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	1.254	2.107	unknown	ShapiroWilk
trans-1,4-Dichloro-2-butene (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	1.262	2.165	unknown	ShapiroWilk
trans-1,4-Dichloro-2-butene (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	1.211	2.18	unknown	ShapiroWilk
trans-1,4-Dichloro-2-butene (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	1.1	0	unknown	ShapiroWilk
trans-1,4-Dichloro-2-butene (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	1.1	0	unknown	ShapiroWilk
Trichloroethene (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.3716	0.192	unknown	ShapiroWilk
Trichloroethene (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.3817	0.1923	unknown	ShapiroWilk
Trichloroethene (ug/l)	MW-19	No	n/a	n/a	NP	NaN	18	0.5375	0.2968	ln(x)	ShapiroWilk
Trichloroethene (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	0.3817	0.1923	unknown	ShapiroWilk
Trichloroethene (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.3817	0.1923	unknown	ShapiroWilk
Trichloroethene (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.3817	0.1923	unknown	ShapiroWilk
Trichloroethene (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.3716	0.192	unknown	ShapiroWilk
Trichloroethene (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	15	0.3702	0.1136	unknown	ShapiroWilk
Trichloroethene (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.3817	0.1923	unknown	ShapiroWilk
Trichloroethene (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.3817	0.1923	unknown	ShapiroWilk
Trichloroethene (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.3716	0.192	unknown	ShapiroWilk
Trichloroethene (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	0.3865	0.1825	unknown	ShapiroWilk
Trichloroethene (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.3842	0.1872	unknown	ShapiroWilk
Trichloroethene (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.3716	0.192	unknown	ShapiroWilk
Trichloroethene (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.43	0	unknown	ShapiroWilk
Trichloroethene (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.43	0	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-15	n/a	n/a	n/a	NP	NaN	18	0.2983	0.1053	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-18	n/a	n/a	n/a	NP	NaN	17	0.3059	0.1034	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-19	n/a	n/a	n/a	NP	NaN	17	0.3059	0.1034	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-20	n/a	n/a	n/a	NP	NaN	17	0.3059	0.1034	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	17	0.3059	0.1034	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-22	n/a	n/a	n/a	NP	NaN	17	0.3059	0.1034	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-24	n/a	n/a	n/a	NP	NaN	18	0.2983	0.1053	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-26A	n/a	n/a	n/a	NP	NaN	14	0.32	0.09845	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-300	n/a	n/a	n/a	NP	NaN	17	0.3059	0.1034	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-301	n/a	n/a	n/a	NP	NaN	17	0.3059	0.1034	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-302R	n/a	n/a	n/a	NP	NaN	18	0.2983	0.1053	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-303	n/a	n/a	n/a	NP	NaN	19	0.3137	0.1003	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-304R	n/a	n/a	n/a	NP	NaN	18	0.31	0.1019	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-305	n/a	n/a	n/a	NP	NaN	18	0.2983	0.1053	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.38	0	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.38	0	unknown	ShapiroWilk
Vinyl Acetate (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	2.246	2.064	unknown	ShapiroWilk
Vinyl Acetate (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	2.33	2.091	unknown	ShapiroWilk
Vinyl Acetate (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	2.33	2.091	unknown	ShapiroWilk
Vinyl Acetate (ug/l)	MW-20	n/a	n/a	n/a	NP	NaN	18	2.33	2.091	unknown	ShapiroWilk
Vinyl Acetate (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	2.33	2.091	unknown	ShapiroWilk
Vinyl Acetate (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	2.33	2.091	unknown	ShapiroWilk
Vinyl Acetate (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	2.246	2.064	unknown	ShapiroWilk
Vinyl Acetate (ug/l)	MW-26A	n/a	n/a	n/a	NP	NaN	14	1.997	0.8251	unknown	ShapiroWilk
Vinyl Acetate (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	2.33	2.091	unknown	ShapiroWilk

Outlier Analysis

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Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Vinyl Acetate (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	2.33	2.091	unknown	ShapiroWilk
Vinyl Acetate (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	2.246	2.064	unknown	ShapiroWilk
Vinyl Acetate (ug/l)	MW-303	n/a	n/a	n/a	NP	NaN	20	2.347	1.978	unknown	ShapiroWilk
Vinyl Acetate (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	2.339	2.032	unknown	ShapiroWilk
Vinyl Acetate (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	2.246	2.064	unknown	ShapiroWilk
Vinyl Acetate (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	2.5	0	unknown	ShapiroWilk
Vinyl Acetate (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	2.5	0	unknown	ShapiroWilk
Vinyl Chloride (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.2379	0.2364	unknown	ShapiroWilk
Vinyl Chloride (ug/l)	MW-18	n/a	n/a	n/a	NP	NaN	18	0.2456	0.2409	unknown	ShapiroWilk
Vinyl Chloride (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.2456	0.2409	unknown	ShapiroWilk
Vinyl Chloride (ug/l)	MW-20	No	n/a	n/a	NP	NaN	18	0.2082	0.1472	ln(x)	ShapiroWilk
Vinyl Chloride (ug/l)	MW-201B (bg)	n/a	n/a	n/a	NP	NaN	18	0.2456	0.2409	unknown	ShapiroWilk
Vinyl Chloride (ug/l)	**MW-22**	**Yes**	**0.1,0.6...**	**4/19/2018,11...**	**NP**	**NaN**	**18**	**0.2252**	**0.1408**	**ln(x)**	**ShapiroWilk**
Vinyl Chloride (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.2379	0.2364	unknown	ShapiroWilk
Vinyl Chloride (ug/l)	MW-26A	No	n/a	n/a	NP	NaN	14	0.2471	0.1945	ln(x)	ShapiroWilk
Vinyl Chloride (ug/l)	MW-300	n/a	n/a	n/a	NP	NaN	18	0.2456	0.2409	unknown	ShapiroWilk
Vinyl Chloride (ug/l)	MW-301	n/a	n/a	n/a	NP	NaN	18	0.2456	0.2409	unknown	ShapiroWilk
Vinyl Chloride (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.2379	0.2364	unknown	ShapiroWilk
Vinyl Chloride (ug/l)	MW-303	No	n/a	n/a	NP	NaN	20	0.2516	0.2305	ln(x)	ShapiroWilk
Vinyl Chloride (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	19	0.2421	0.2346	unknown	ShapiroWilk
Vinyl Chloride (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.2379	0.2364	unknown	ShapiroWilk
Vinyl Chloride (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.18	0	unknown	ShapiroWilk
Vinyl Chloride (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.3	0.1969	unknown	ShapiroWilk
Xylenes, Total (ug/l)	MW-15	n/a	n/a	n/a	NP	NaN	19	0.5108	0.6363	unknown	ShapiroWilk
Xylenes, Total (ug/l)	**MW-18**	**Yes**	**3,0.13,...**	**4/16/2015,10...**	**NP**	**NaN**	**18**	**0.5836**	**0.6819**	**ln(x)**	**ShapiroWilk**
Xylenes, Total (ug/l)	MW-19	n/a	n/a	n/a	NP	NaN	18	0.4743	0.6432	unknown	ShapiroWilk
Xylenes, Total (ug/l)	MW-20	No	n/a	n/a	NP	NaN	18	0.3797	0.159	sqrt(x)	ShapiroWilk
Xylenes, Total (ug/l)	**MW-201B (bg)**	**Yes**	**3**	**4/22/2015**	**NP**	**NaN**	**18**	**0.4922**	**0.6377**	**ln(x)**	**ShapiroWilk**
Xylenes, Total (ug/l)	MW-22	n/a	n/a	n/a	NP	NaN	18	0.4821	0.6442	unknown	ShapiroWilk
Xylenes, Total (ug/l)	MW-24	n/a	n/a	n/a	NP	NaN	19	0.5884	0.8061	unknown	ShapiroWilk
Xylenes, Total (ug/l)	**MW-26A**	**Yes**	**0.13,0....**	**4/7/2016,11/...**	**NP**	**NaN**	**15**	**0.5728**	**0.9242**	**ln(x)**	**ShapiroWilk**
Xylenes, Total (ug/l)	**MW-300**	**Yes**	**3**	**4/16/2015**	**NP**	**NaN**	**18**	**0.5251**	**0.6561**	**ln(x)**	**ShapiroWilk**
Xylenes, Total (ug/l)	**MW-301**	**Yes**	**3,0.13,...**	**4/23/2015,10...**	**NP**	**NaN**	**18**	**0.5712**	**0.6601**	**ln(x)**	**ShapiroWilk**
Xylenes, Total (ug/l)	MW-302R	n/a	n/a	n/a	NP	NaN	19	0.5264	0.6568	unknown	ShapiroWilk
Xylenes, Total (ug/l)	**MW-303**	**Yes**	**4.88**	**3/21/2017**	**NP**	**NaN**	**21**	**0.6693**	**1.133**	**ln(x)**	**ShapiroWilk**
Xylenes, Total (ug/l)	MW-304R	n/a	n/a	n/a	NP	NaN	18	0.6194	0.7644	unknown	ShapiroWilk
Xylenes, Total (ug/l)	MW-305	n/a	n/a	n/a	NP	NaN	19	0.4858	0.6446	unknown	ShapiroWilk
Xylenes, Total (ug/l)	MW-501	n/a	n/a	n/a	NP	NaN	8	0.4	0	unknown	ShapiroWilk
Xylenes, Total (ug/l)	MW-9AR (bg)	n/a	n/a	n/a	NP	NaN	14	0.4	0	unknown	ShapiroWilk

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Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/20/2023, 4:17 PM

	MW-19 1,1-Dichloroethane (ug/l)	MW-26A 1,1-Dichloroethane (ug/l)	MW-301 1,2,3-Trichloropropane (ug/l)	MW-19 1,2-Dichloroethane (ug/l)	MW-304R 1,2-Dichloroethane (ug/l)	MW-22 2-Butanone [MEK] (ug/l)	MW-26A 2-Butanone [MEK] (ug/l)	MW-9AR 2-Butanone [MEK] (ug/l)	MW-15 Acetone (ug/l)	MW-18 Acetone (ug/l)
4/15/2015		0.489 (Jo)								
4/16/2015										<10 (o)
4/22/2015	<1 (o)			<1 (o)		<10 (o)				
4/23/2015									<10 (o)	
10/9/2015										
10/12/2015				<0.18 (o)						
10/13/2015										
4/7/2016										
4/9/2016				<0.18 (o)						
11/2/2016				<0.18 (o)						
11/3/2016										
11/4/2016										
11/5/2016										
3/20/2017										
3/21/2017										
3/22/2017										3.38 (Jo)
3/23/2017										
10/3/2017									6.6 (Jo)	
10/4/2017	0.679 (Jo)			0.255 (Jo)						
10/5/2017										1.98 (Jo)
12/11/2017										
4/18/2018	0.23 (Jo)			0.243 (Jo)						
4/19/2018										
4/20/2018										
7/17/2018								4.61 (Jo)		
11/1/2018										
3/19/2019										
5/14/2019					0.498 (JBo)					
3/30/2021										
10/19/2021			0.846 (Jo)							
12/2/2021										
4/25/2022							3.85 (Jo)			
4/26/2022										
4/19/2023	0.263 (Jo)									

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	MW-22 Acetone (ug/l)	MW-26A Acetone (ug/l)	MW-300 Acetone (ug/l)	MW-301 Acetone (ug/l)	MW-303 Acetone (ug/l)	MW-9AR Acetone (ug/l)	MW-15 Carbon Disulfide (ug/l)	MW-302R Carbon Disulfide (ug/l)	MW-305 Carbon Disulfide (ug/l)	MW-9AR Carbon Disulfide (ug/l)
4/15/2015					<10 (o)					
4/16/2015			<10 (o)							
4/22/2015										
4/23/2015				3.58 (Jo)			<1 (o)			
10/9/2015					<1.79 (o)					
10/12/2015										
10/13/2015			<1.79 (o)							
4/7/2016					<1.79 (o)					
4/9/2016										
11/2/2016			<1.79 (o)							
11/3/2016										
11/4/2016										
11/5/2016					<1.79 (o)					
3/20/2017										
3/21/2017										
3/22/2017			3.27 (Jo)							
3/23/2017	4.92 (Jo)									
10/3/2017										
10/4/2017			2.96 (Jo)	5.06 (Jo)						
10/5/2017										
12/11/2017							0.993 (Jo)	0.581 (Jo)	0.324 (Jo)	
4/18/2018										
4/19/2018	5.7 (Jo)									
4/20/2018			<1.79 (o)		<1.79 (o)					
7/17/2018						29.9 (o)				
11/1/2018										
3/19/2019										
5/14/2019										
3/30/2021										0.679 (JBo)
10/19/2021										
12/2/2021										
4/25/2022		271 (o)								
4/26/2022										
4/19/2023										

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	MW-26A cis-1,2-Dichloroethene (ug/l)	MW-26A Ethylbenzene (ug/l)	MW-303 Ethylbenzene (ug/l)	MW-22 Iodomethane (ug/l)	MW-26A Iodomethane (ug/l)	MW-301 Iodomethane (ug/l)	MW-20 Toluene (ug/l)	MW-19 Trichloroethene (ug/l)	MW-22 Vinyl Chloride (ug/l)	MW-303 Vinyl Chloride (ug/l)
4/15/2015	<1 (o)	<1 (o)	<1 (o)		9.03 (Jo)					
4/16/2015										
4/22/2015									0.223 (Jo)	
4/23/2015										
10/9/2015										
10/12/2015							<0.15 (o)			
10/13/2015										
4/7/2016							0.2555 (Jo)			
4/9/2016				9.37 (Jo)		9.5 (Jo)			0.269 (Jo)	
11/2/2016										
11/3/2016							0.322 (Jo)			
11/4/2016										
11/5/2016										
3/20/2017										
3/21/2017										
3/22/2017							<0.15 (o)			
3/23/2017										
10/3/2017							0.167 (Jo)			
10/4/2017								1.39 (o)		
10/5/2017										
12/11/2017										
4/18/2018										
4/19/2018									<0.1 (o)	
4/20/2018										
7/17/2018										
11/1/2018									<0.6 (o)	
3/19/2019									<0.6 (o)	
5/14/2019										
3/30/2021										
10/19/2021										
12/2/2021										0.214 (Jo)
4/25/2022										
4/26/2022										0.398 (Jo)
4/19/2023										

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Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/20/2023, 4:17 PM

	MW-18 Xylenes, Total (ug/l)	MW-20 Xylenes, Total (ug/l)	MW-201B Xylenes, Total (ug/l)	MW-22 Xylenes, Total (ug/l)	MW-26A Xylenes, Total (ug/l)	MW-300 Xylenes, Total (ug/l)	MW-301 Xylenes, Total (ug/l)	MW-303 Xylenes, Total (ug/l)	MW-304R Xylenes, Total (ug/l)
4/15/2015								<3 (o)	
4/16/2015	<3 (o)					<3 (o)			
4/22/2015			<3 (o)	<3 (o)					
4/23/2015		0.415 (Jo)					<3 (o)		
10/9/2015									
10/12/2015		<0.13 (o)							
10/13/2015	<0.13 (o)						<0.13 (o)		
4/7/2016		0.144 (Jo)							
4/9/2016	<0.13 (o)						<0.13 (o)		
11/2/2016	<0.13 (o)								
11/3/2016		<0.13 (o)							
11/4/2016							<0.13 (o)		
11/5/2016									
3/20/2017							0.806 (Jo)		
3/21/2017					3.89 (o)			4.88 (o)	2.37 (Jo)
3/22/2017		0.687 (Jo)							
3/23/2017									
10/3/2017		0.724 (Jo)							
10/4/2017						1.14 (Jo)	1.29 (Jo)		
10/5/2017	1.62 (Jo)								
12/11/2017									
4/18/2018									
4/19/2018									
4/20/2018									
7/17/2018									
11/1/2018									
3/19/2019									
5/14/2019									
3/30/2021									
10/19/2021									
12/2/2021									
4/25/2022									
4/26/2022									
4/19/2023									

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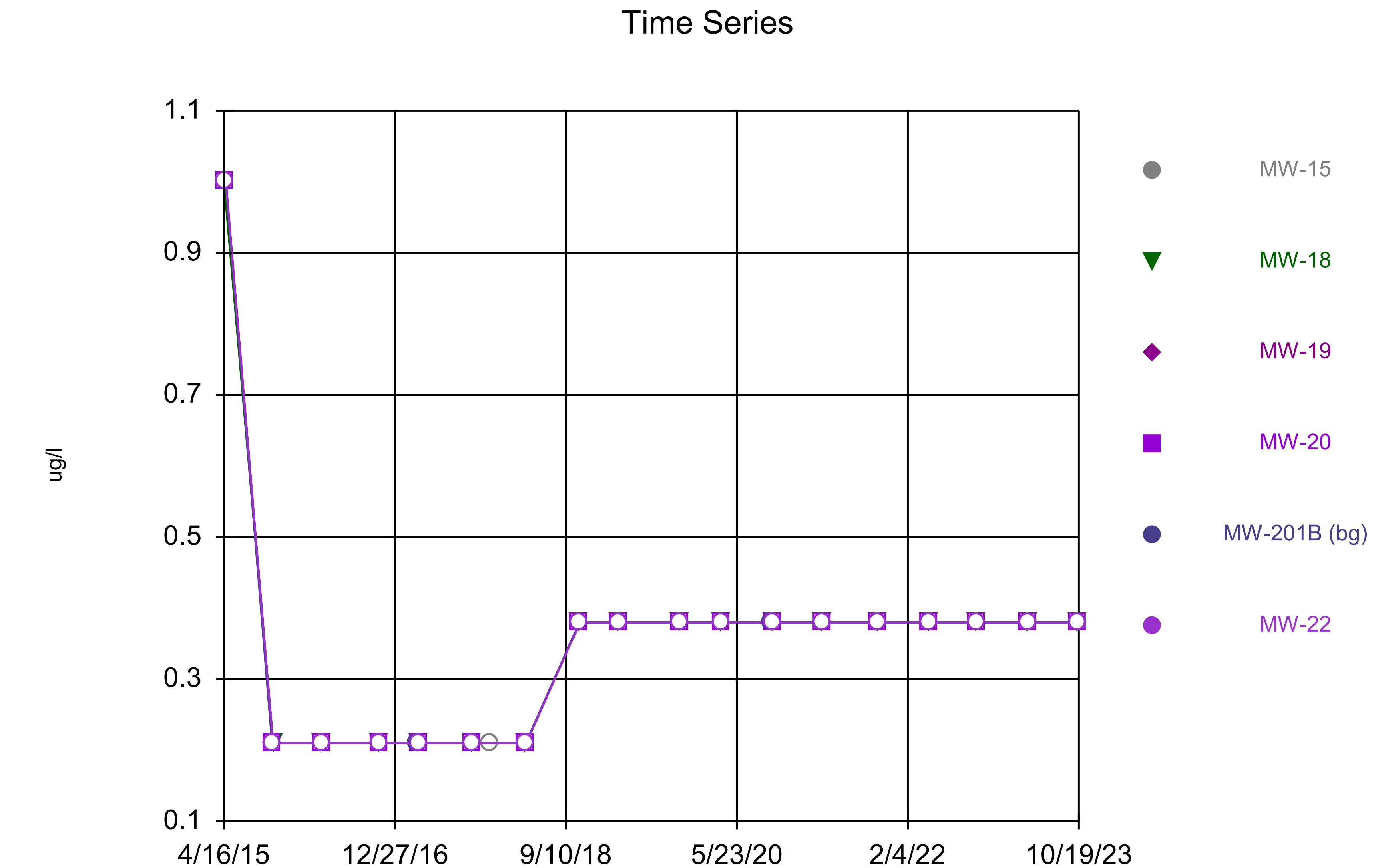
Hollow symbols indicate censored values.



Constituent: 1,1,1,2-Tetrachloroethane Analysis Run 11/20/2023 2:17 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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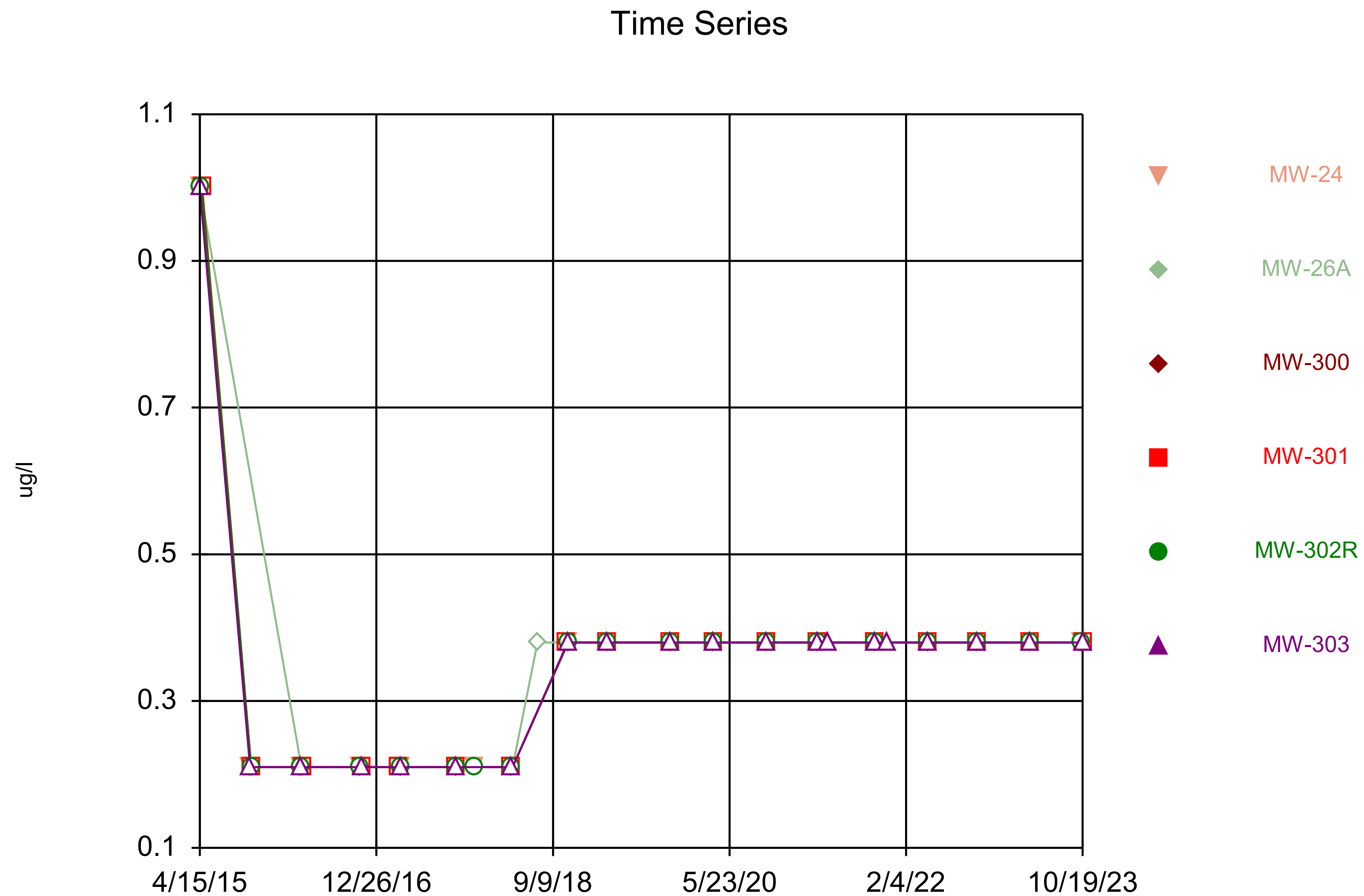
Hollow symbols indicate censored values.



Constituent: 1,1,1,2-Tetrachloroethane Analysis Run 11/20/2023 2:17 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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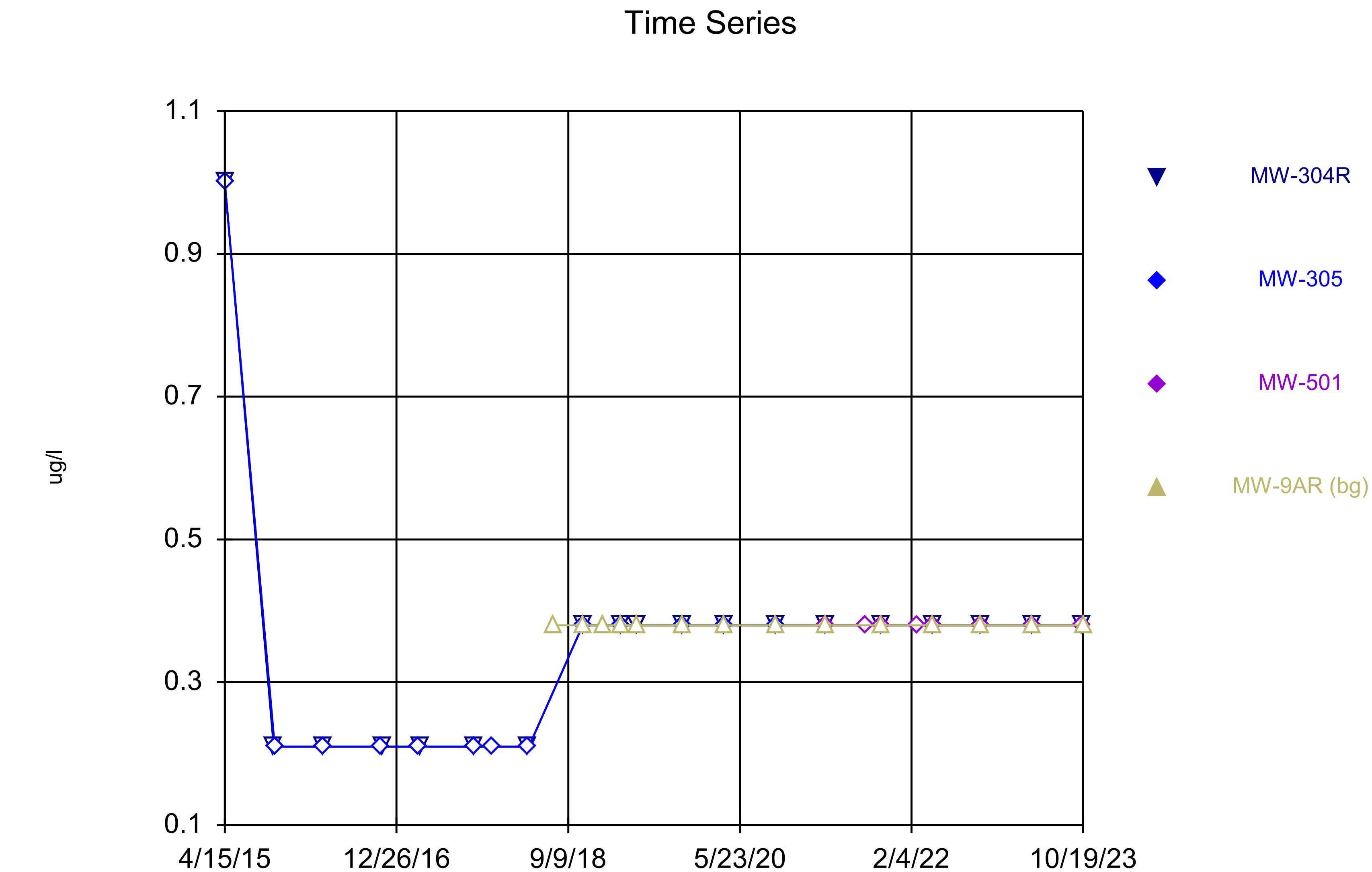
Hollow symbols indicate censored values.



Constituent: 1,1,1,2-Tetrachloroethane   Analysis Run 11/20/2023 2:17 PM   View: App I_VOCs

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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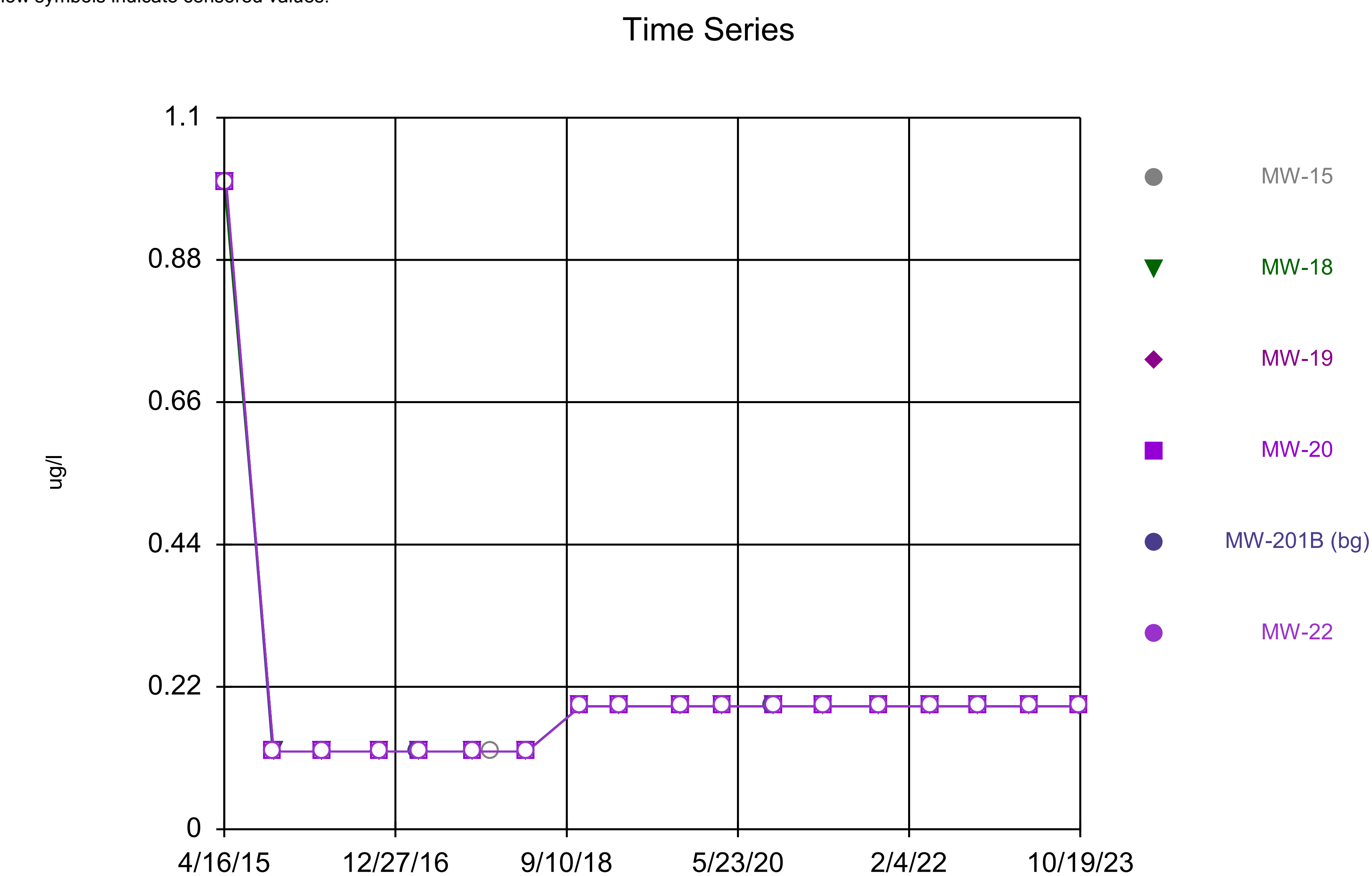
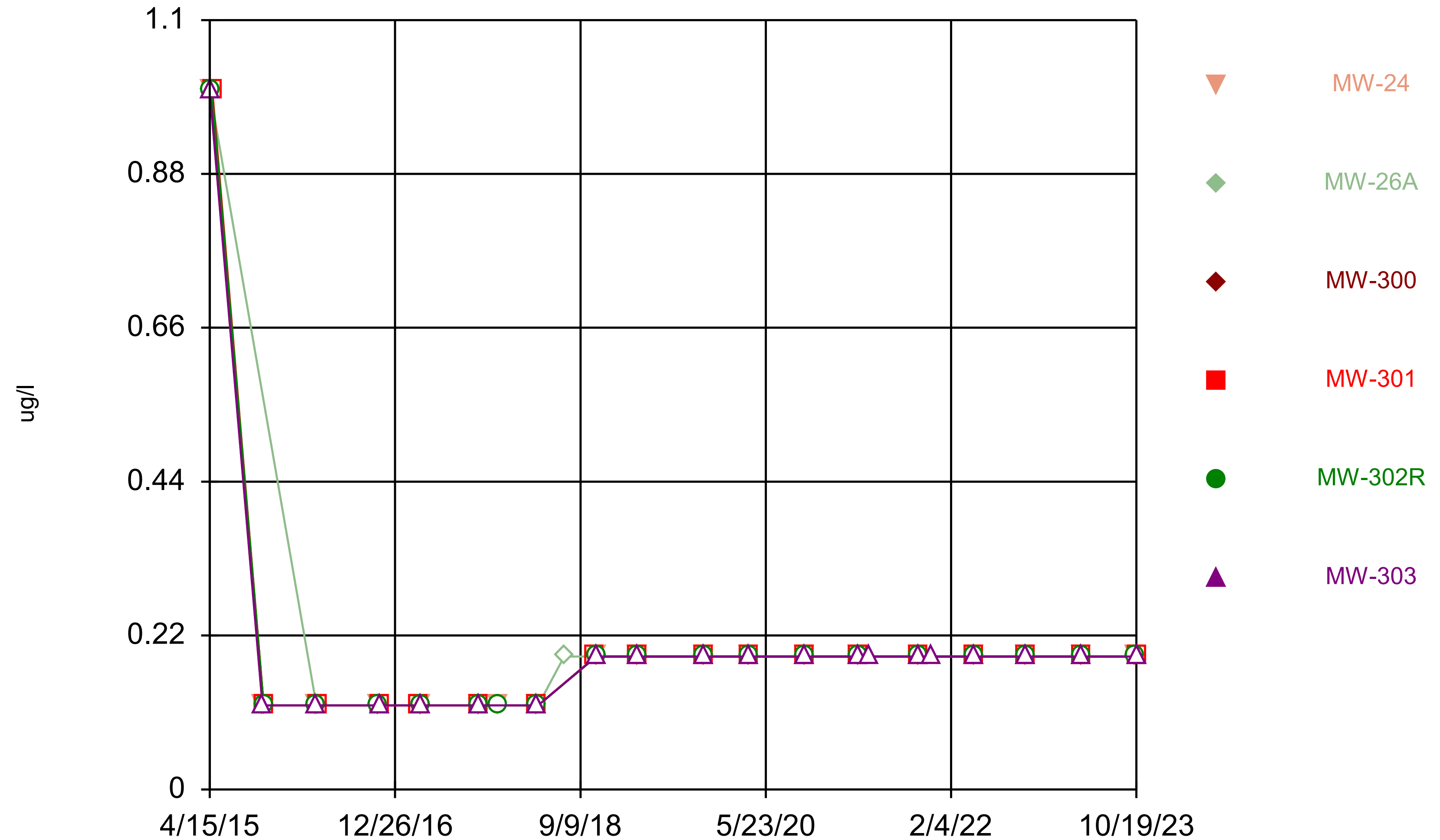
Hollow symbols indicate censored values.



Constituent: 1,1,1-Trichloroethane   Analysis Run 11/20/2023 2:17 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

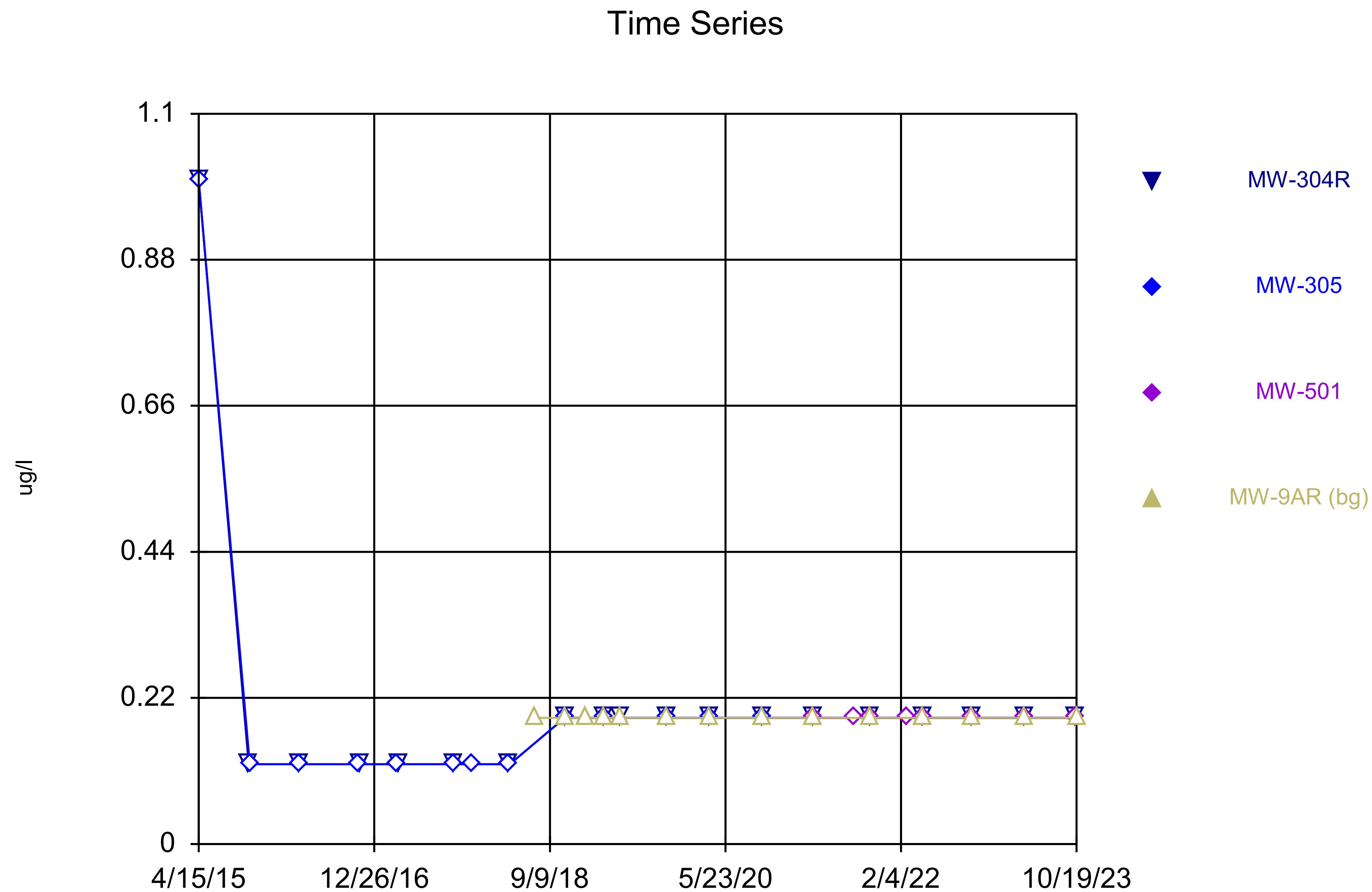
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Time Series



Constituent: 1,1,1-Trichloroethane Analysis Run 11/20/2023 2:17 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: 1,1,1-Trichloroethane   Analysis Run 11/20/2023 2:17 PM   View: App I_VOCs

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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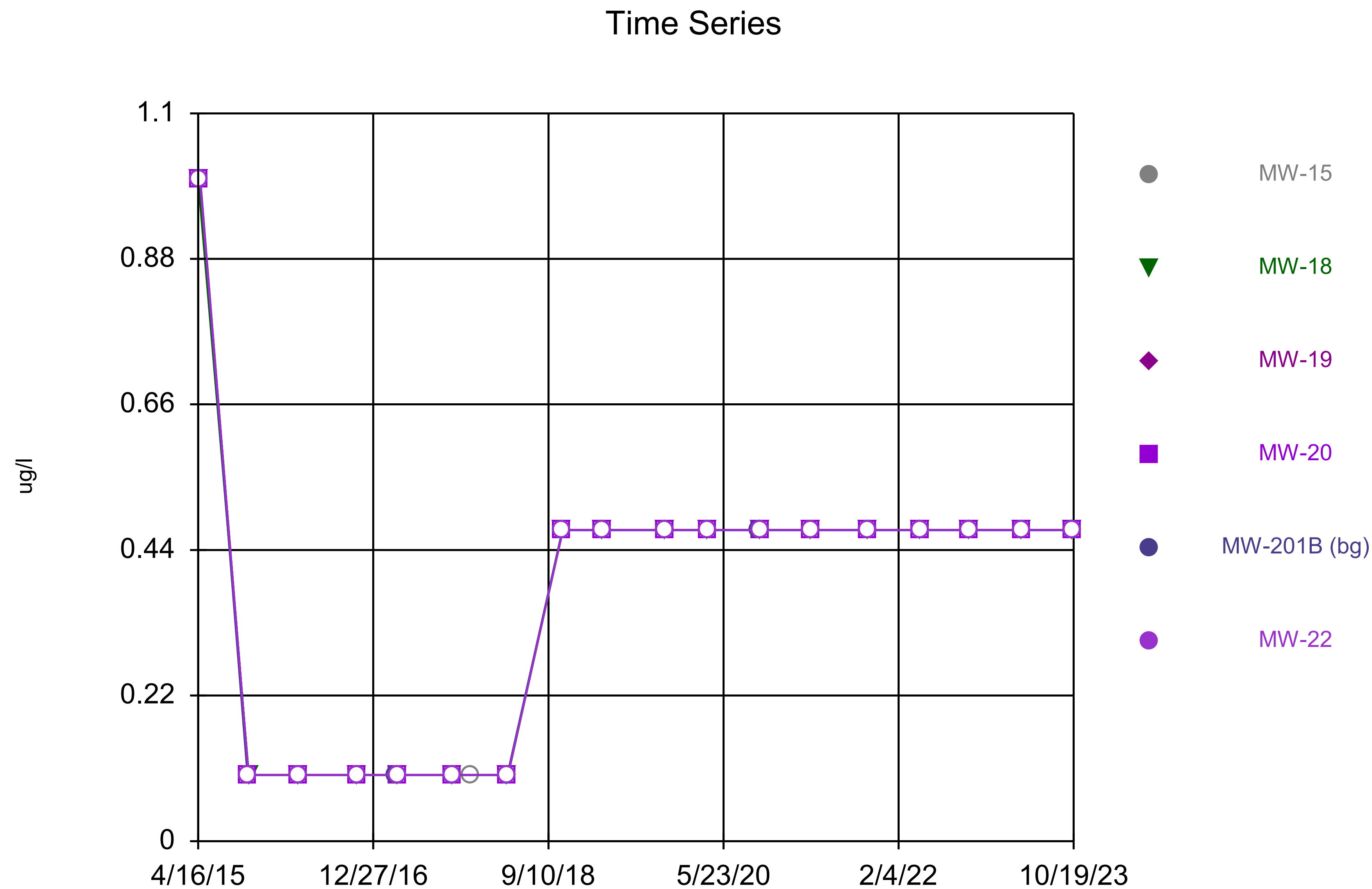

Constituent: 1,1,2,2-Tetrachloroethane   Analysis Run 11/20/2023 2:17 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
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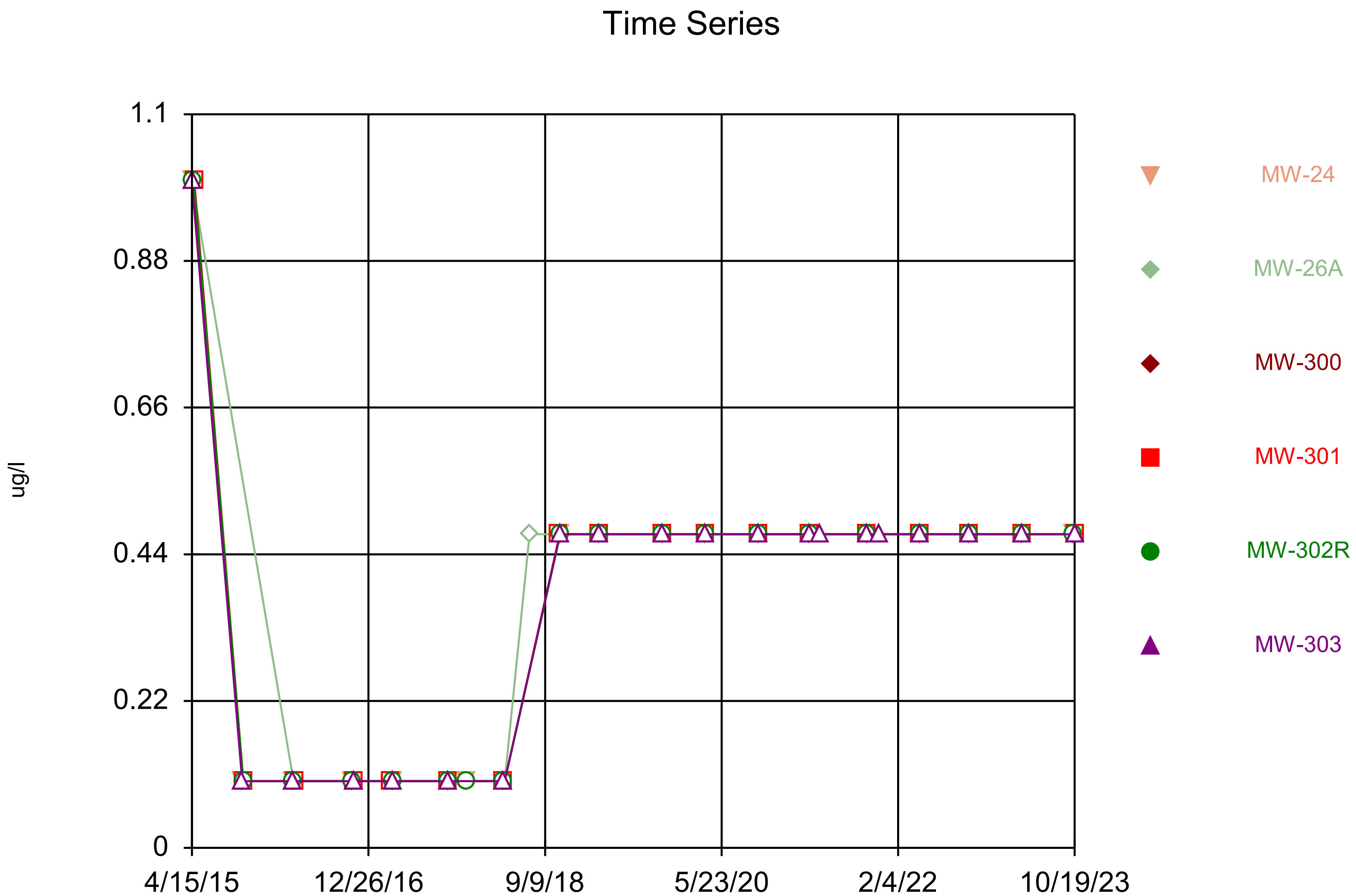

Constituent: 1,1,2,2-Tetrachloroethane Analysis Run 11/20/2023 2:17 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
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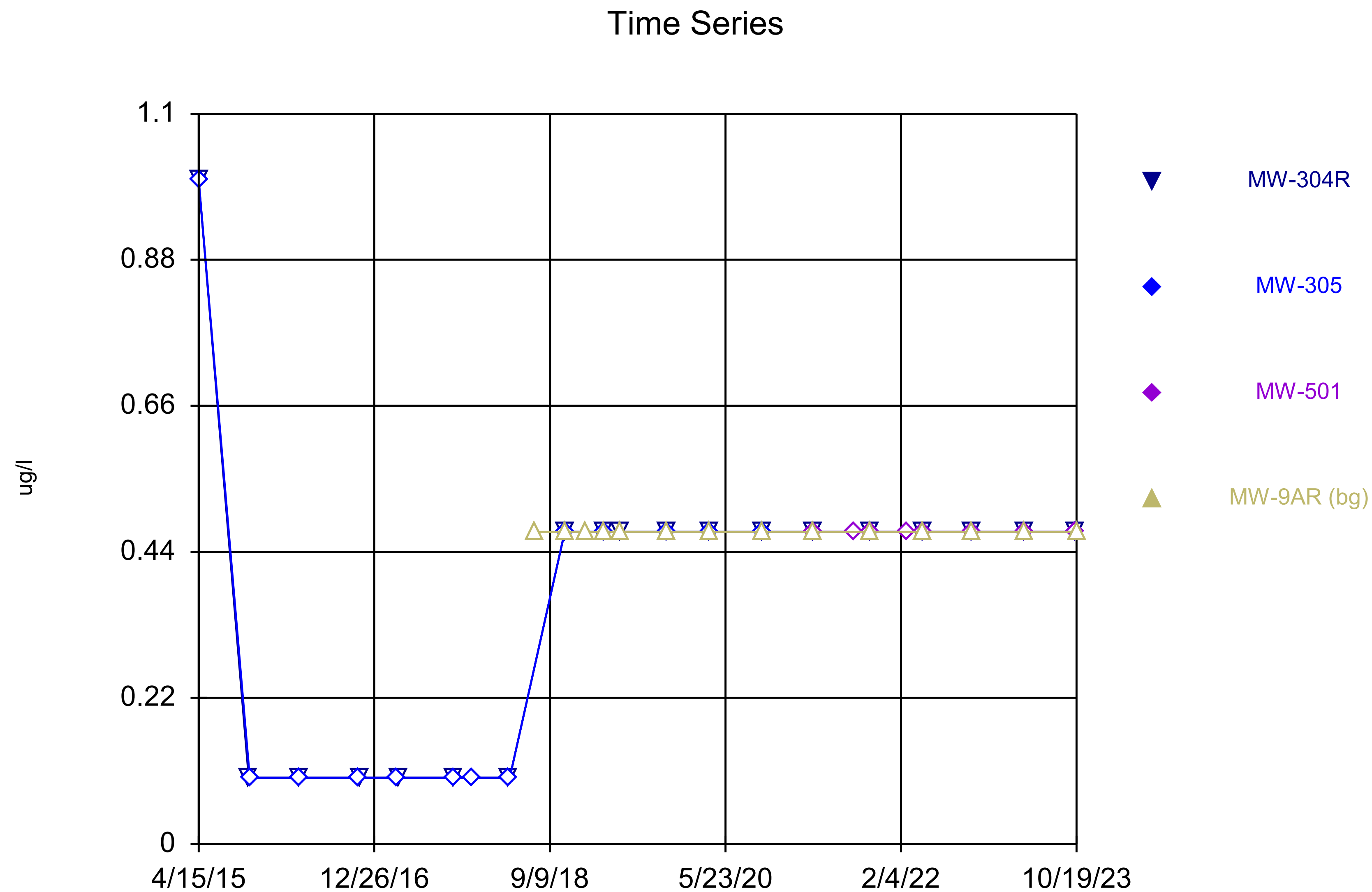

Constituent: 1,1,2,2-Tetrachloroethane Analysis Run 11/20/2023 2:17 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
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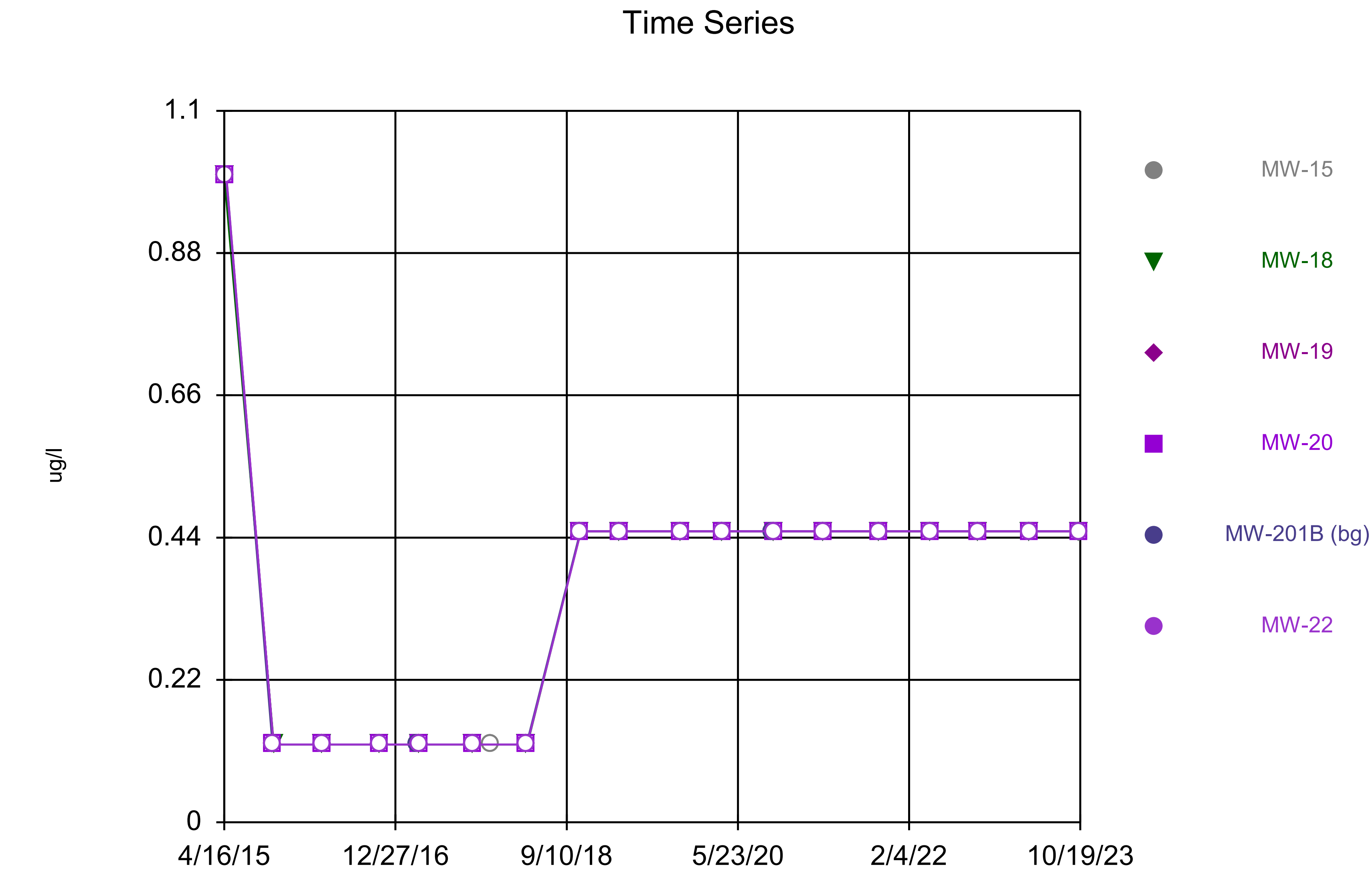

Constituent: 1,1,2-Trichloroethane   Analysis Run 11/20/2023 2:17 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
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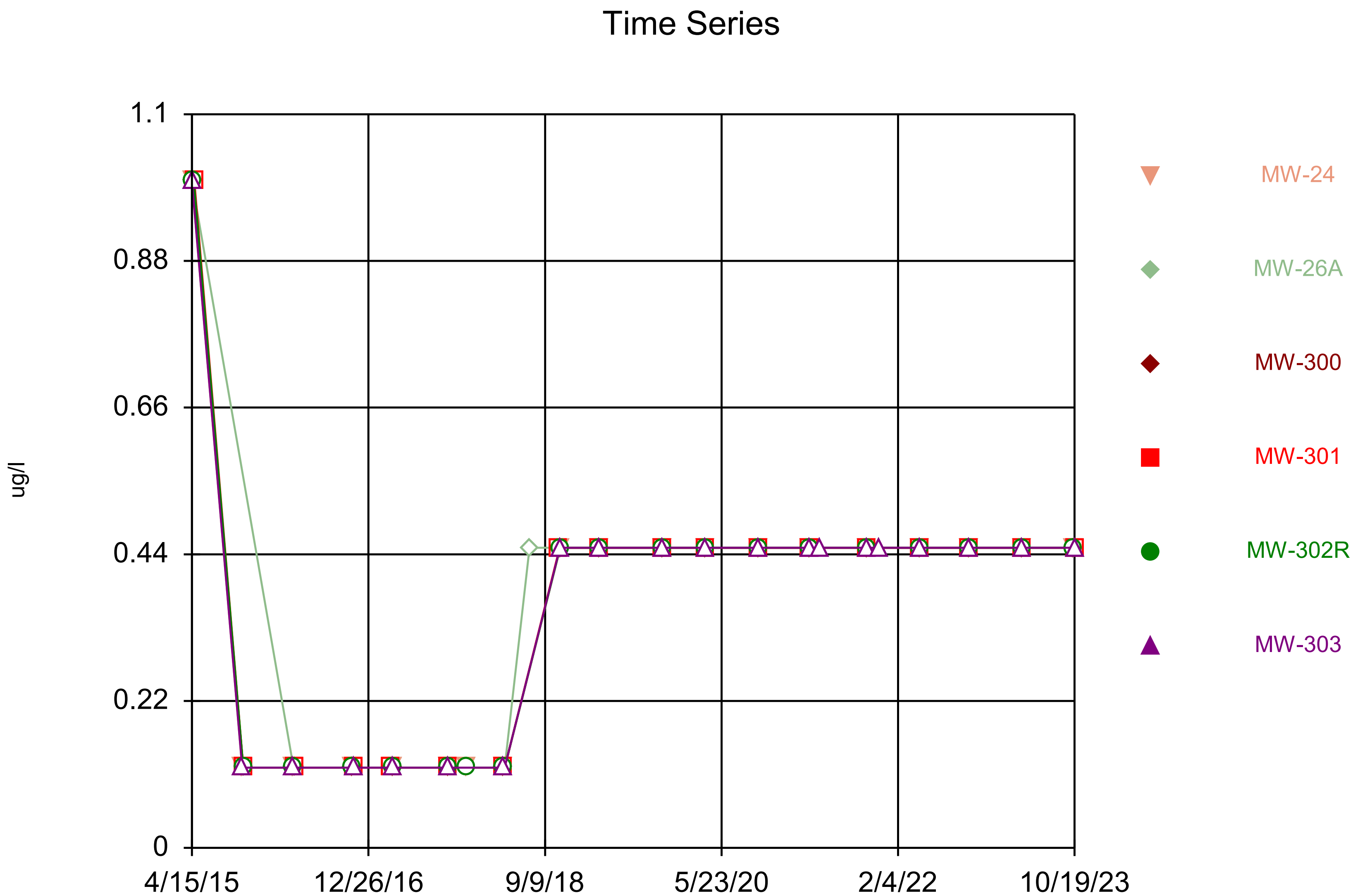
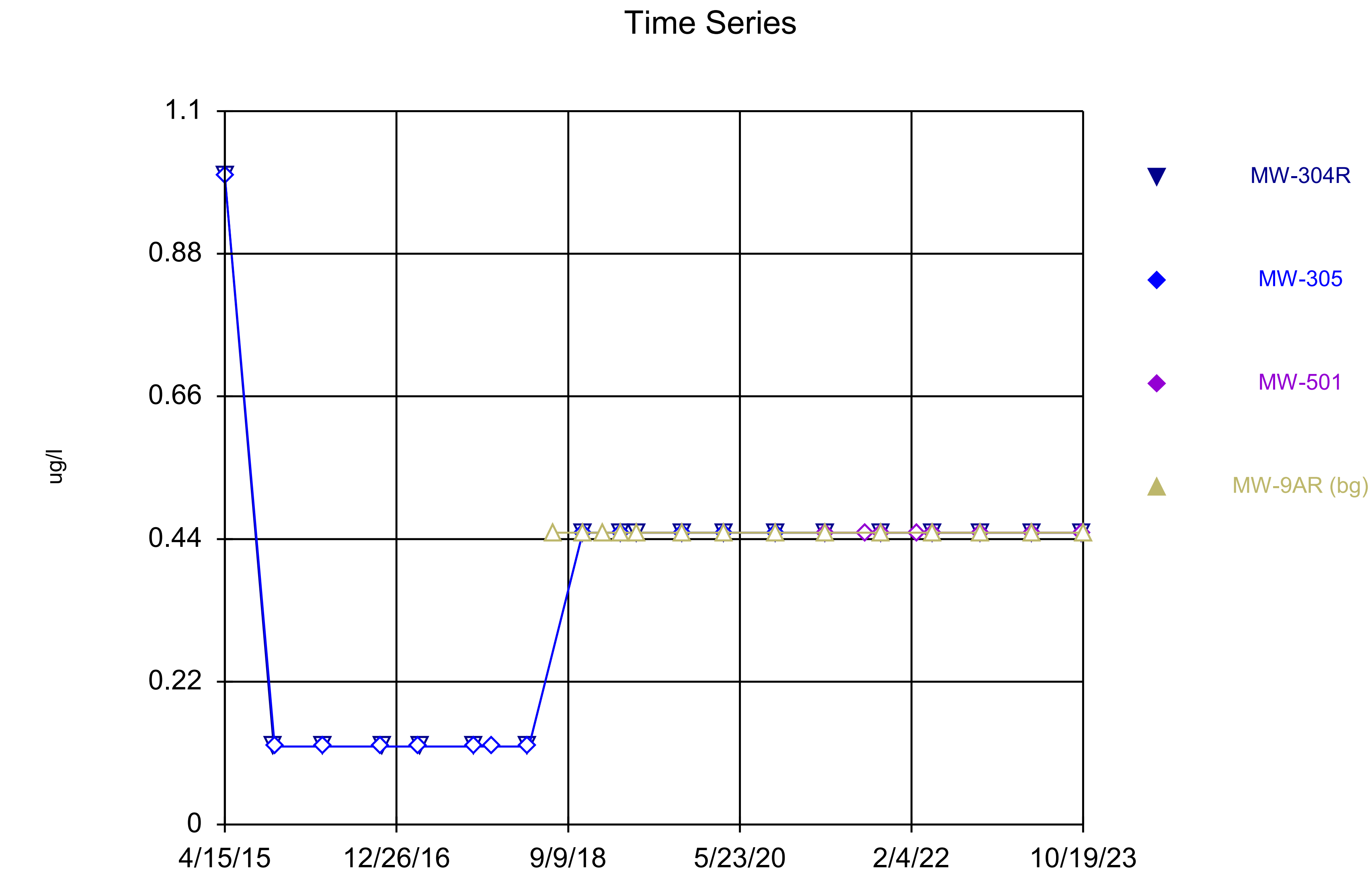


Constituent: 1,1,2-Trichloroethane Analysis Run 11/20/2023 2:17 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

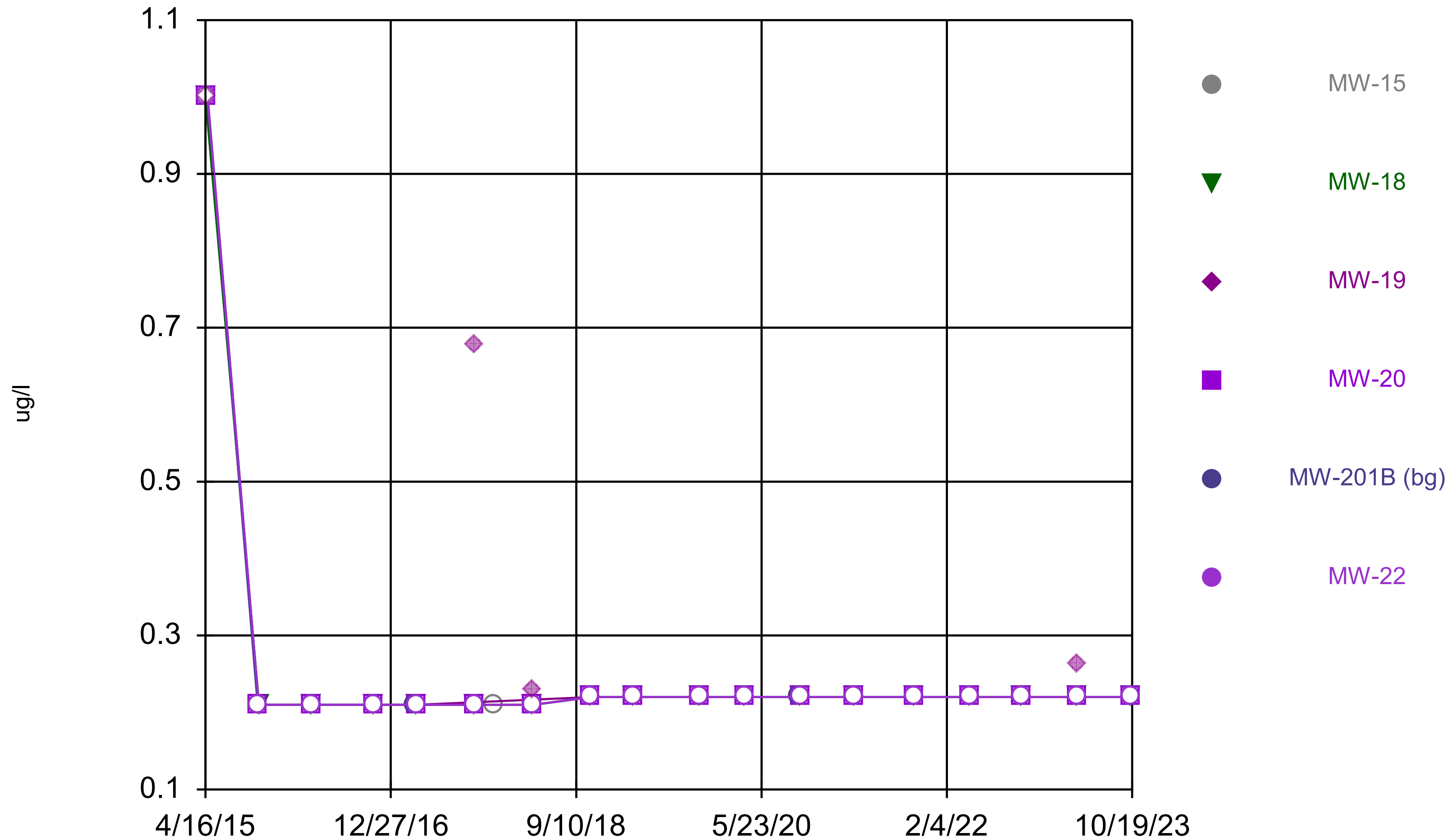
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: 1,1,2-Trichloroethane   Analysis Run 11/20/2023 2:17 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Time Series



Constituent: 1,1-Dichloroethane Analysis Run 11/20/2023 2:17 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
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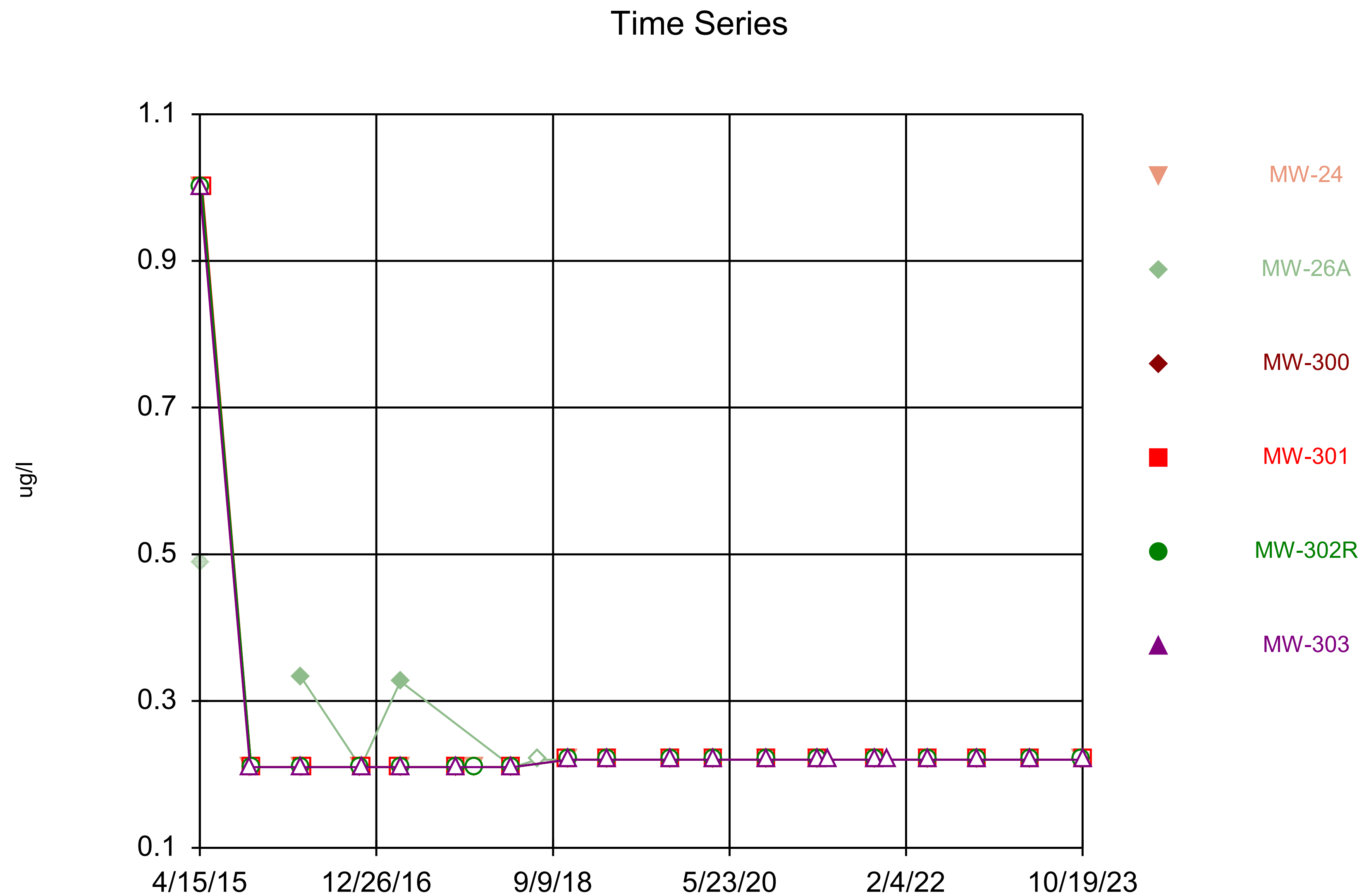
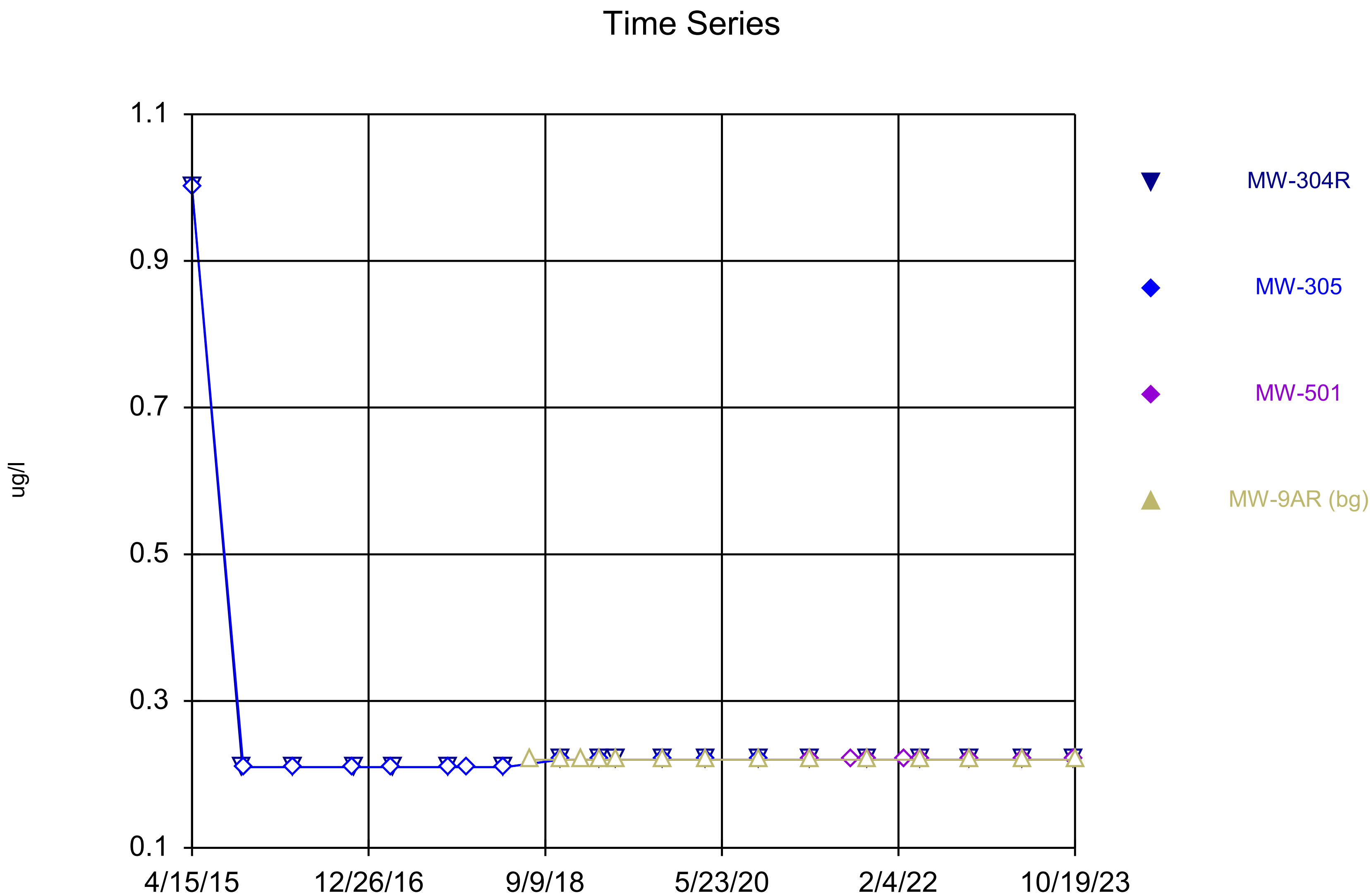


Constituent: 1,1-Dichloroethane Analysis Run 11/20/2023 2:17 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: 1,1-Dichloroethane Analysis Run 11/20/2023 2:17 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
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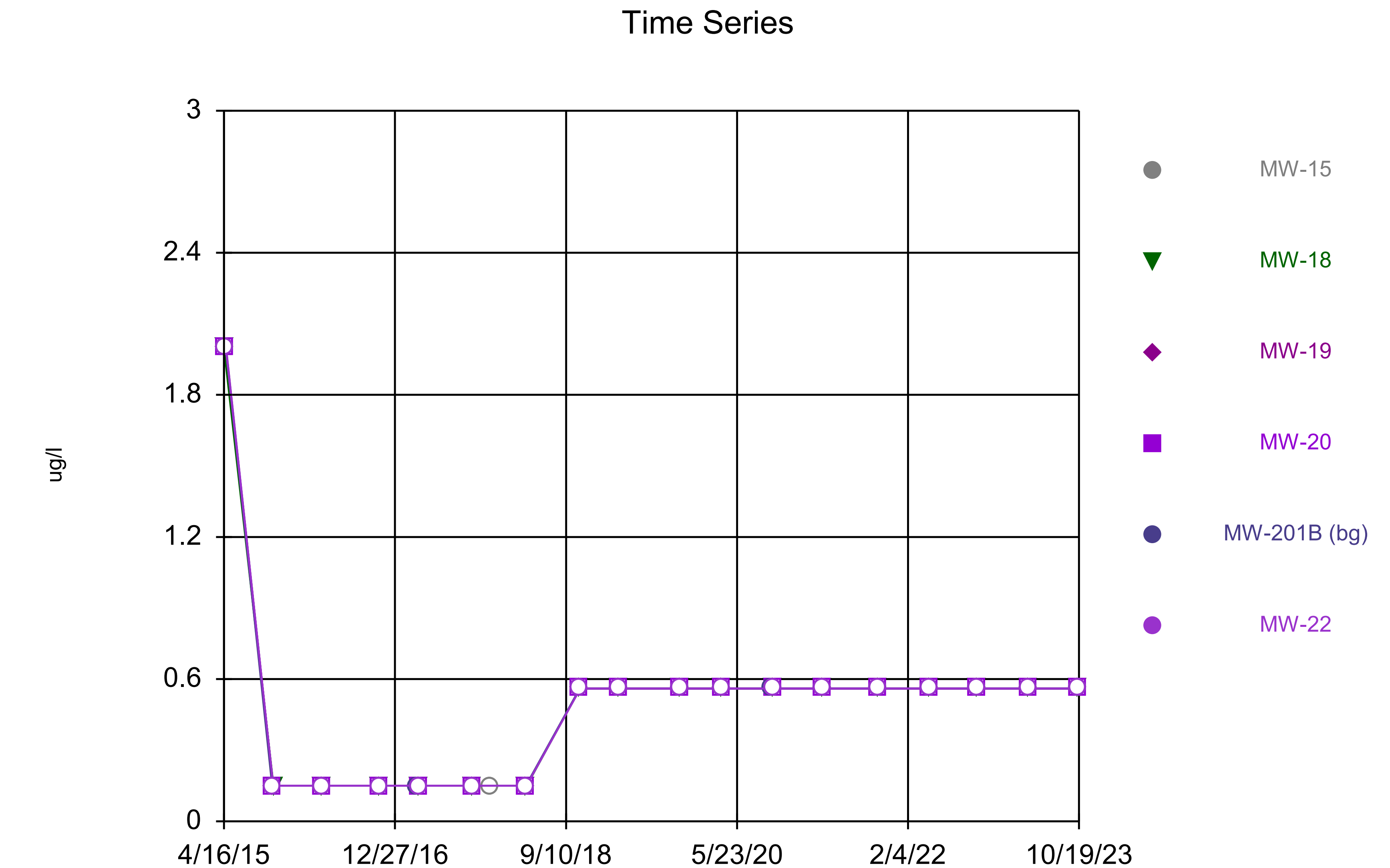

Constituent: 1,1-Dichloroethene   Analysis Run 11/20/2023 2:17 PM   View: App I_VOCs

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
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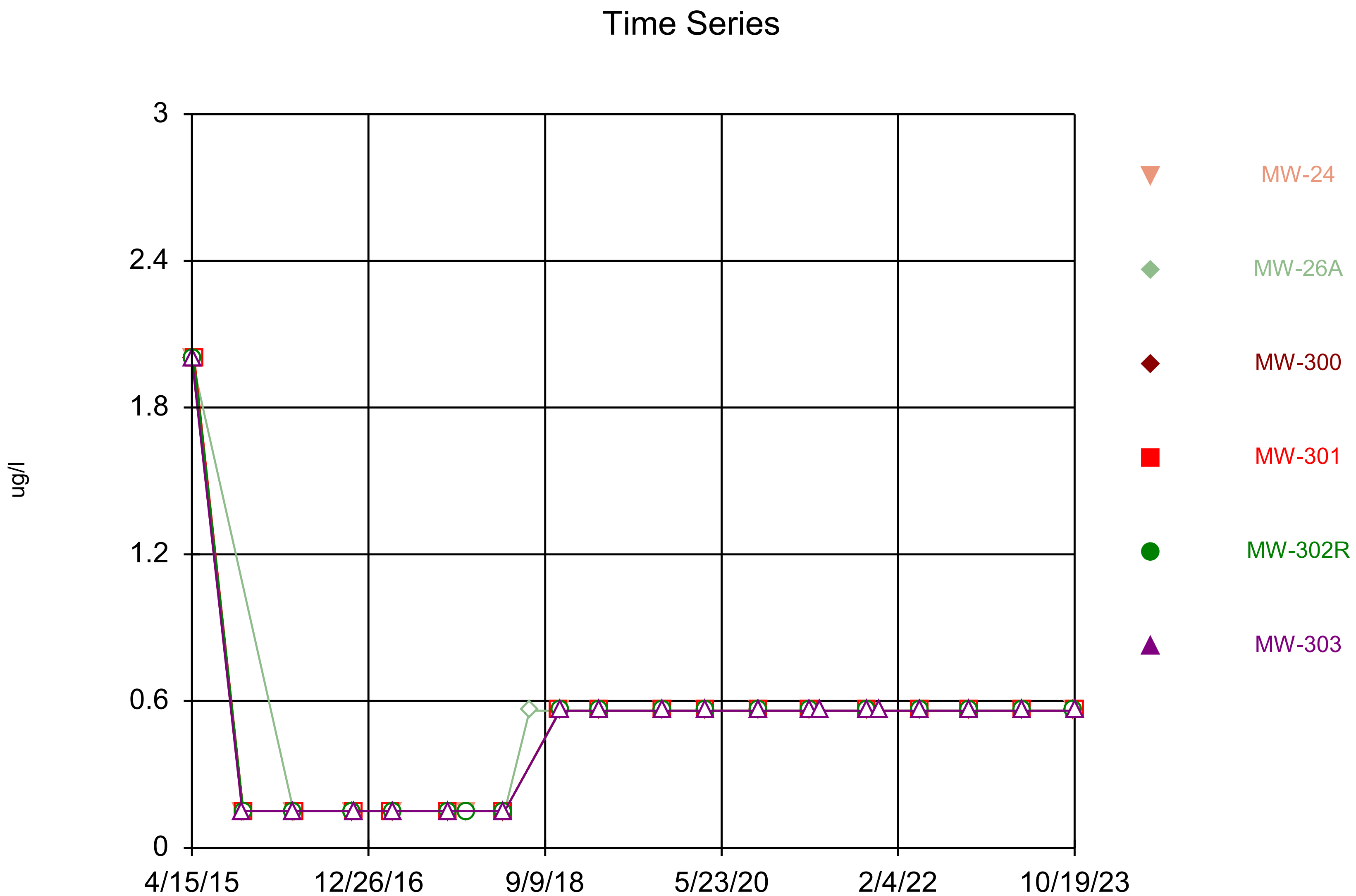

Constituent: 1,1-Dichloroethene Analysis Run 11/20/2023 2:17 PM View: App I_VOCs
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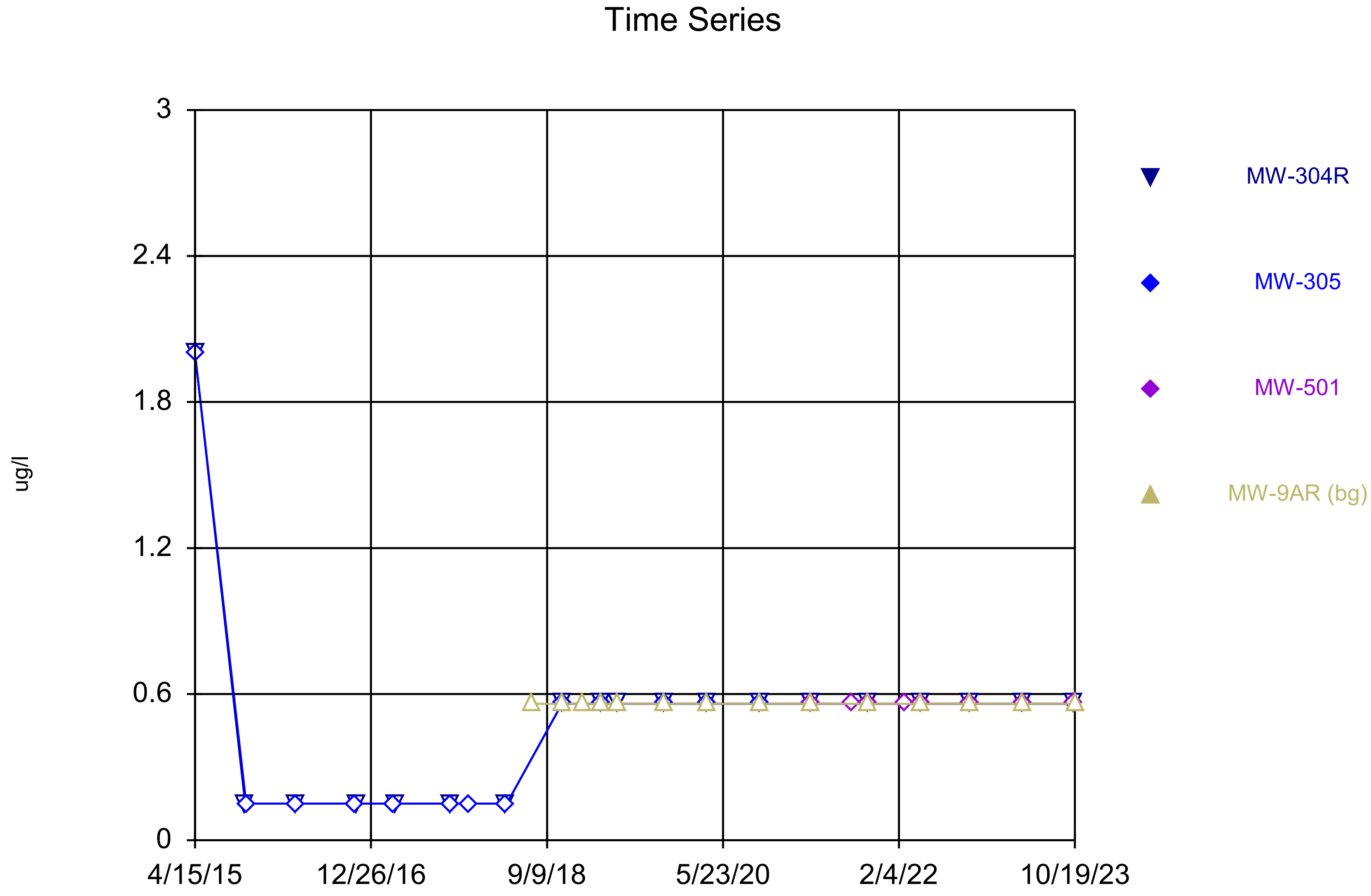

Constituent: 1,1-Dichloroethene Analysis Run 11/20/2023 2:17 PM View: App I_VOCs
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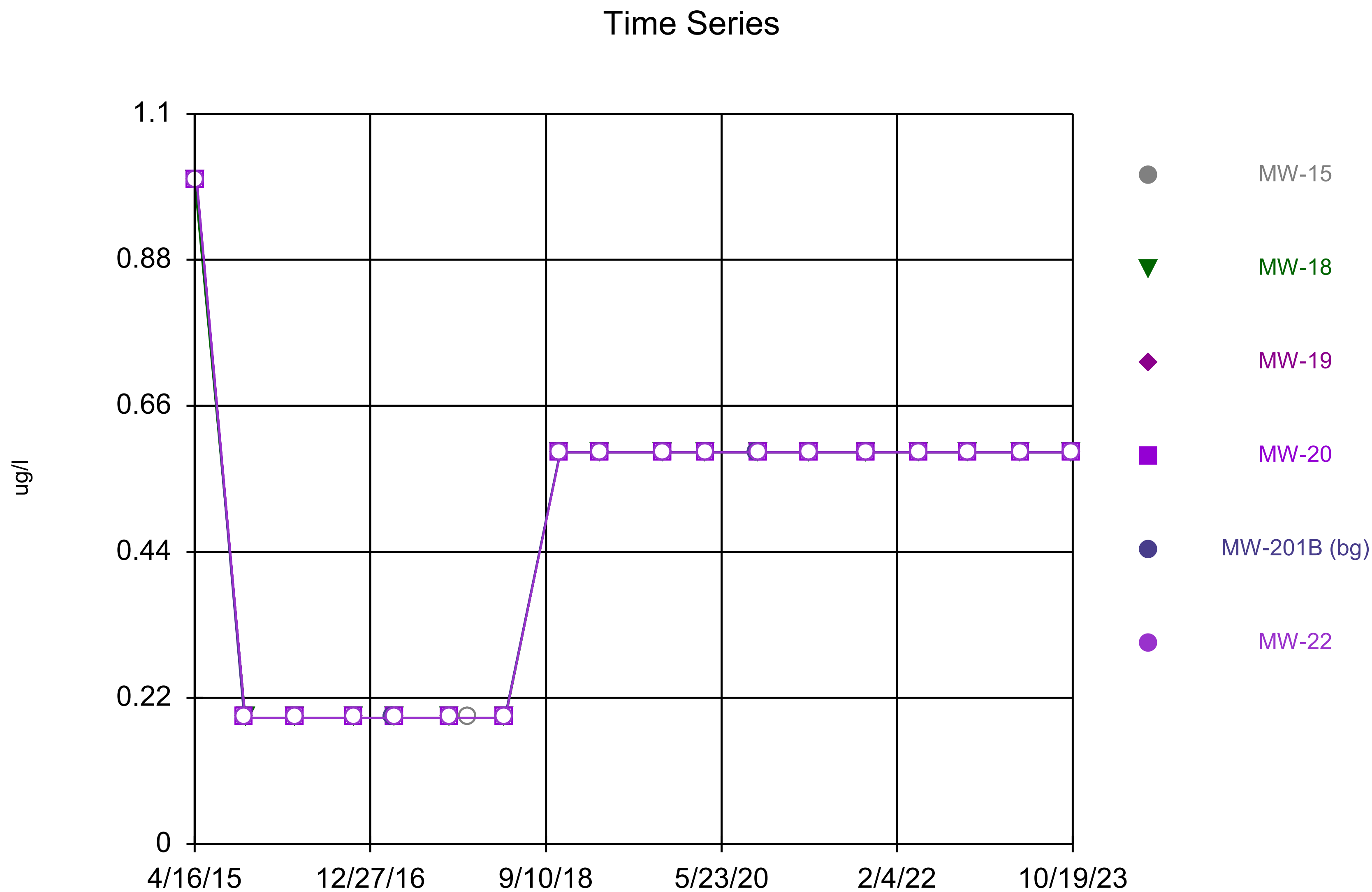
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: 1,2,3-Trichloropropane Analysis Run 11/20/2023 2:17 PM View: App I_VOCs
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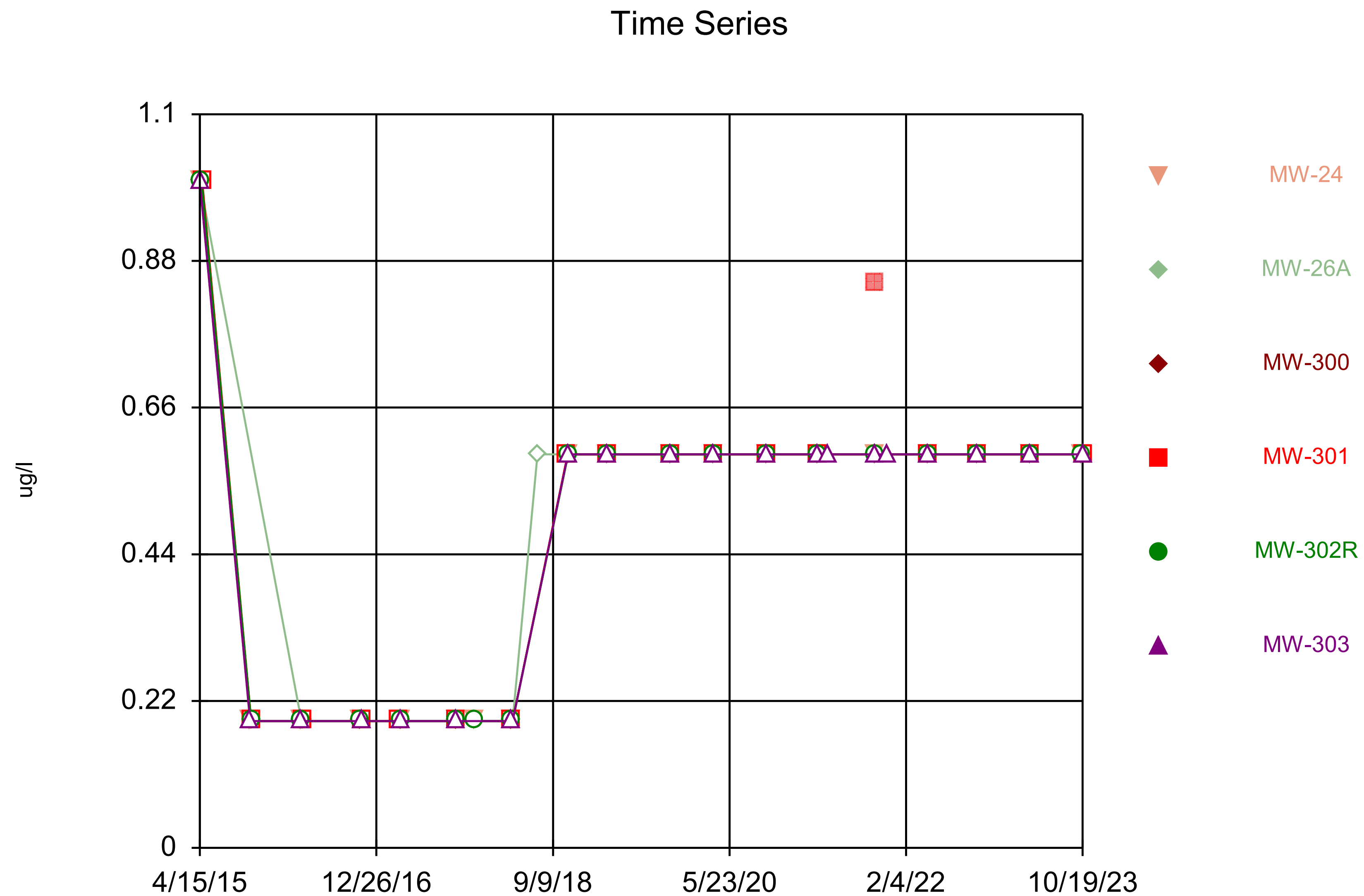
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: 1,2,3-Trichloropropane   Analysis Run 11/20/2023 2:17 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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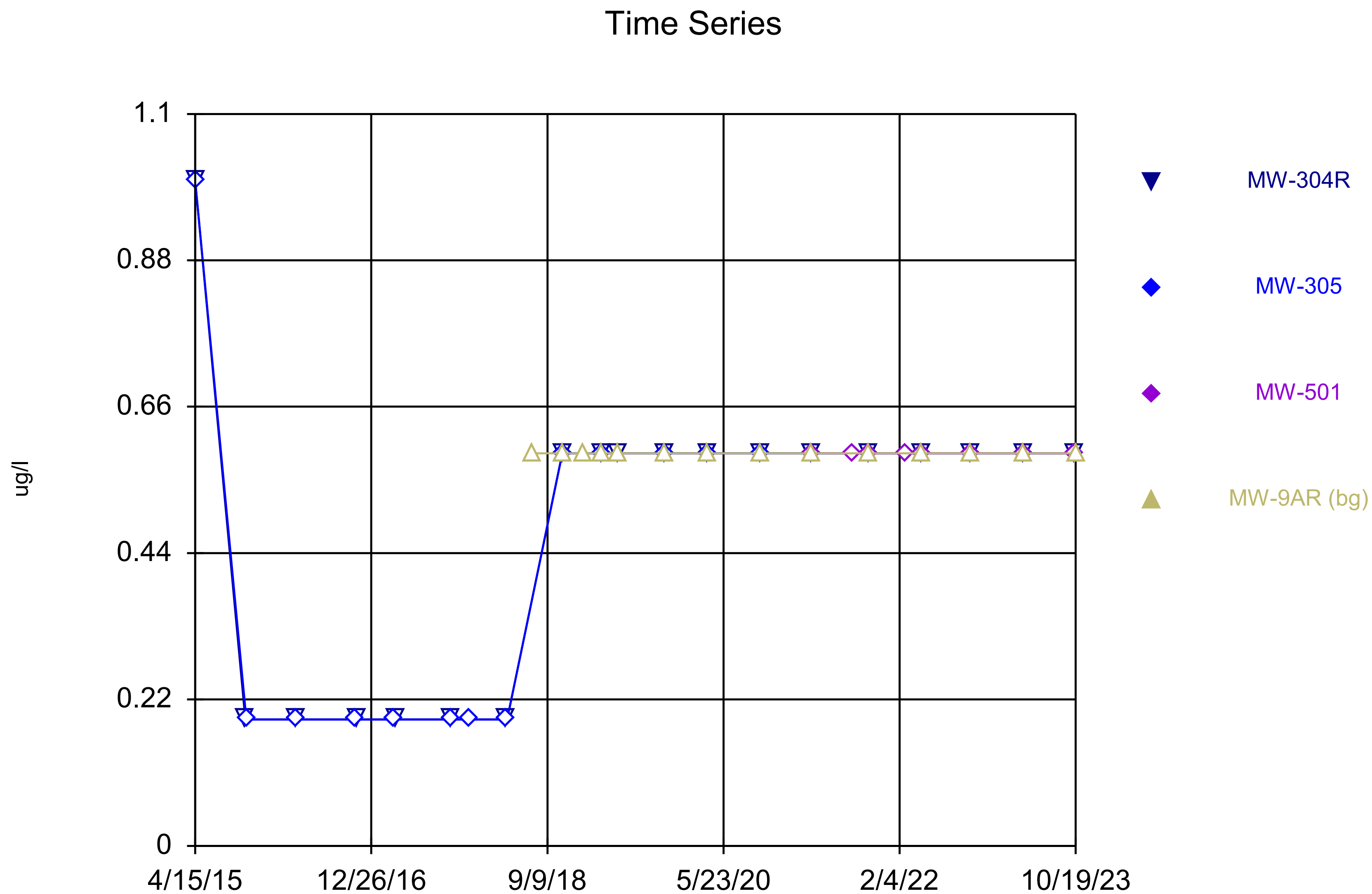
Hollow symbols indicate censored values.



Constituent: 1,2,3-Trichloropropane   Analysis Run 11/20/2023 2:17 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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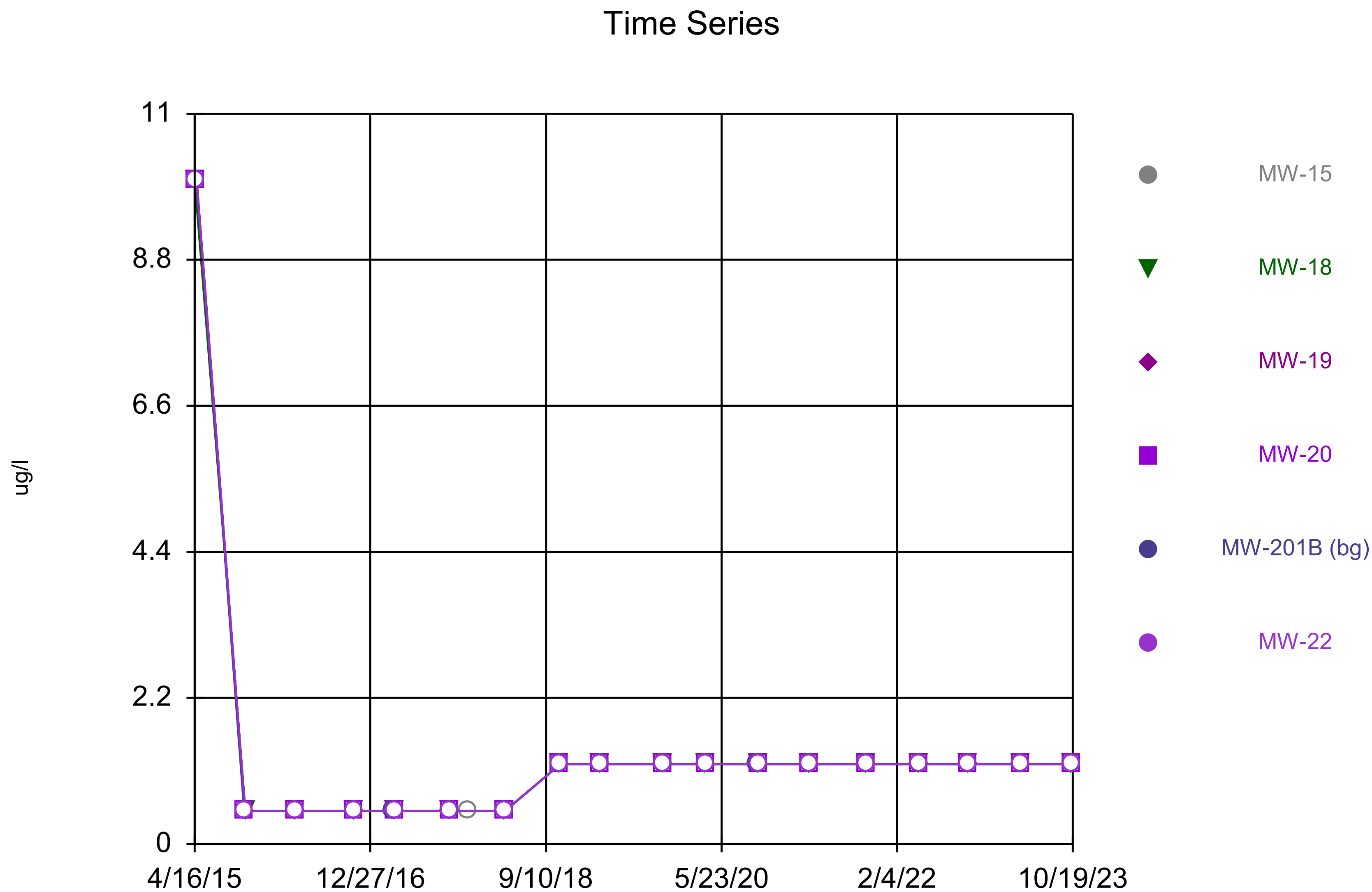
Hollow symbols indicate censored values.



Constituent: 1,2-Dibromo-3-chloropropane Analysis Run 11/20/2023 2:17 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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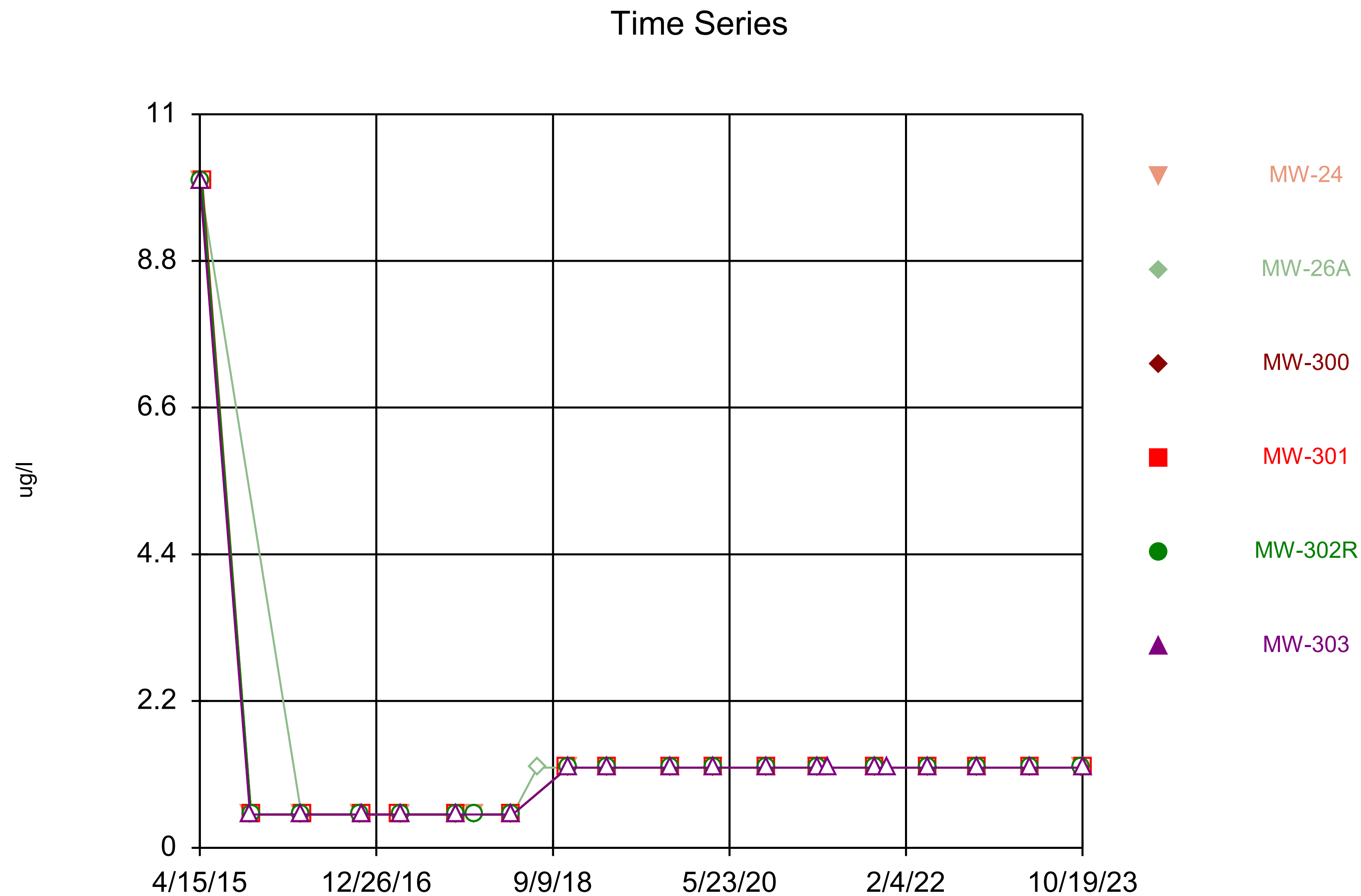
Hollow symbols indicate censored values.



Constituent: 1,2-Dibromo-3-chloropropane Analysis Run 11/20/2023 2:17 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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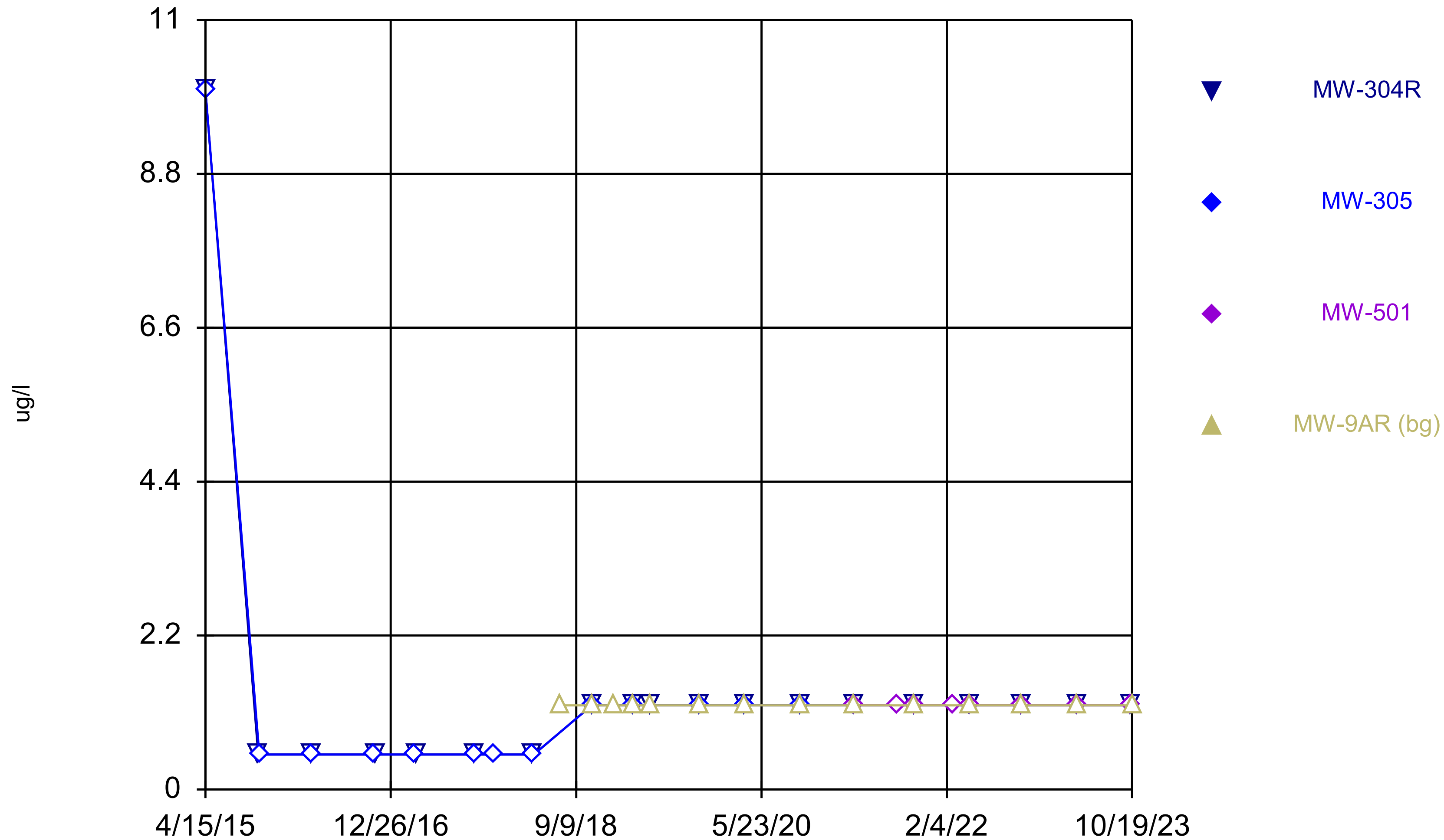
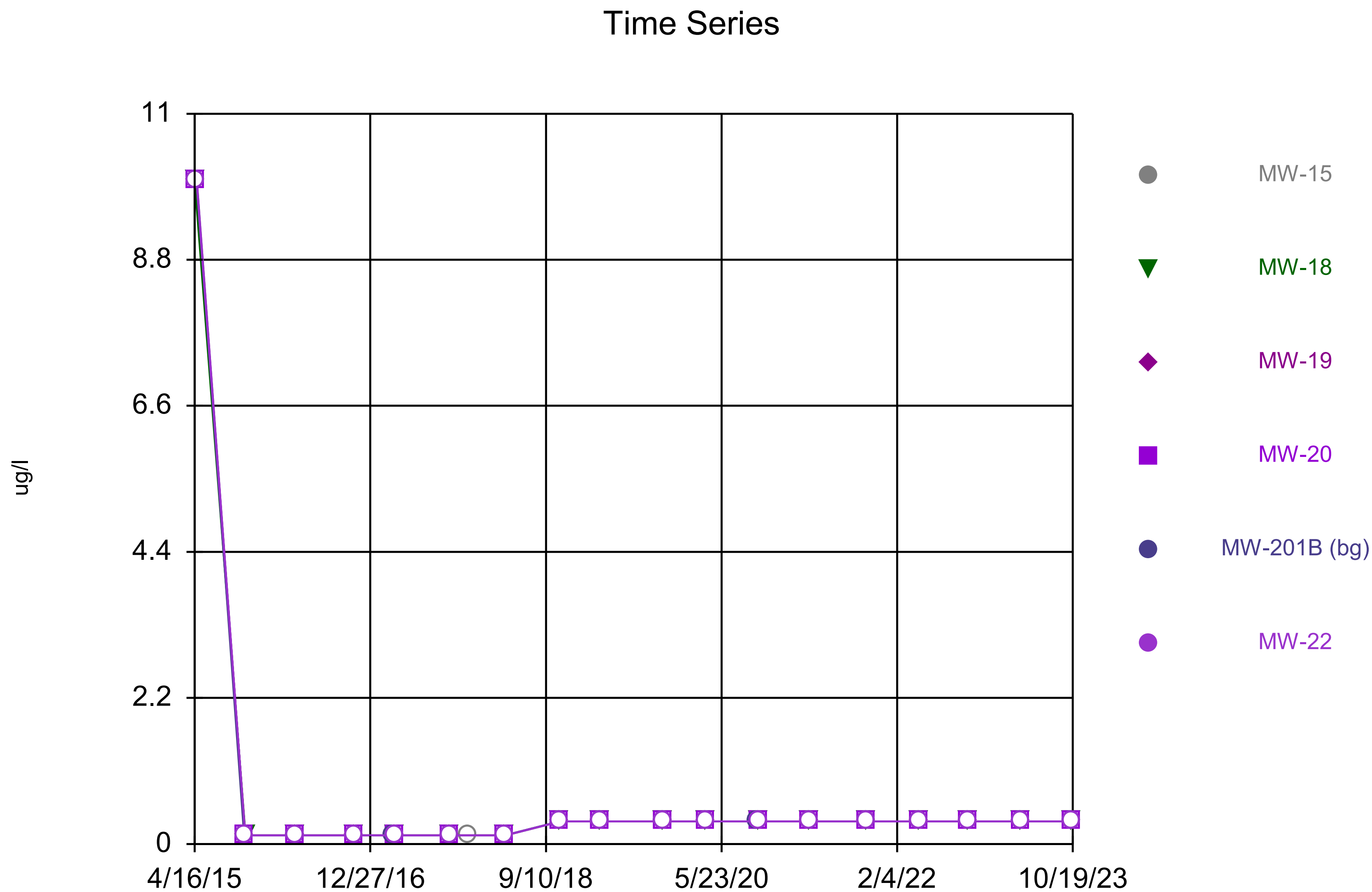
Hollow symbols indicate censored values.

Time Series



Constituent: 1,2-Dibromo-3-chloropropane   Analysis Run 11/20/2023 2:17 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: 1,2-Dibromoethane [EDB] Analysis Run 11/20/2023 2:17 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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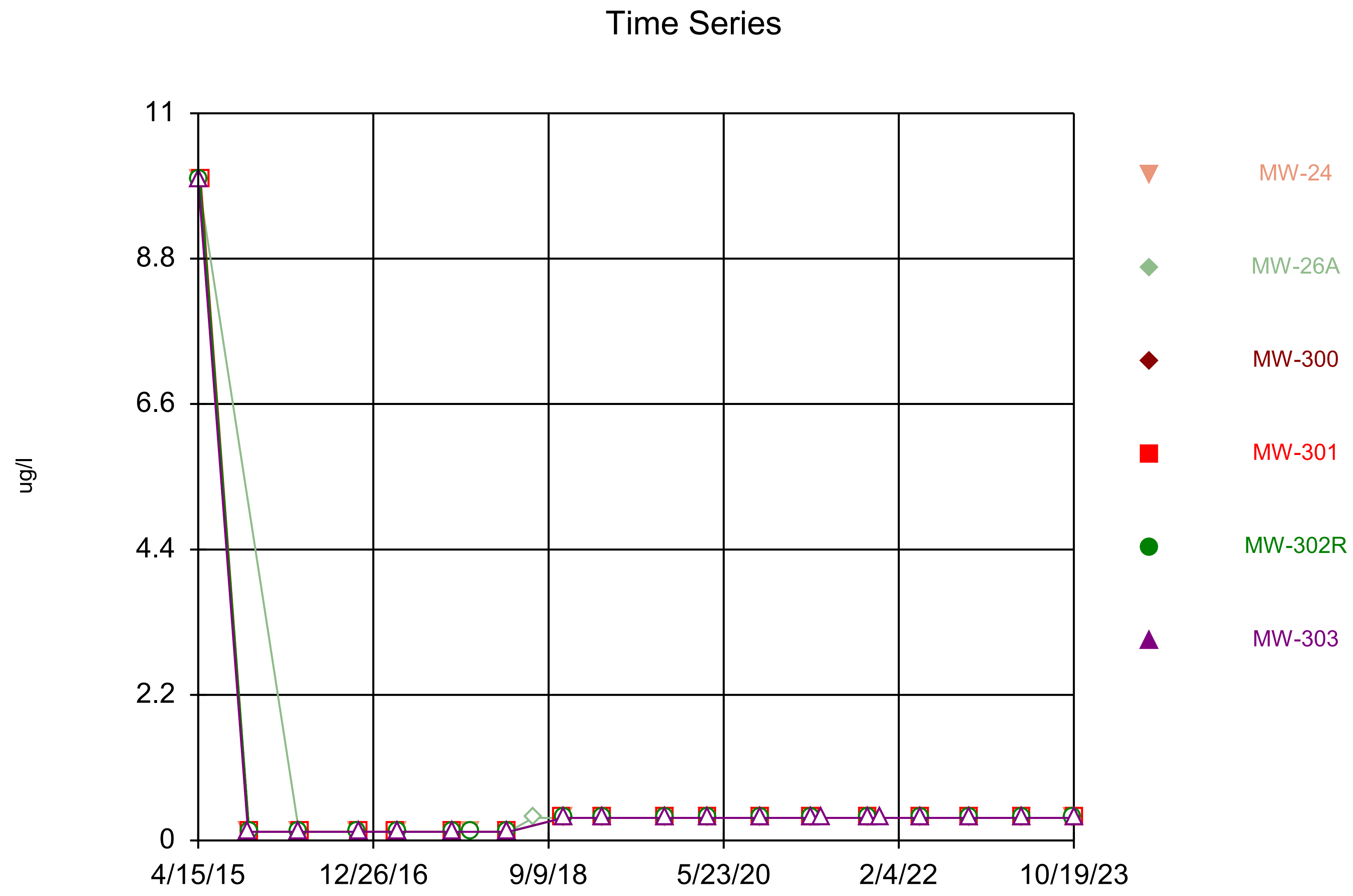
Hollow symbols indicate censored values.



Constituent: 1,2-Dibromoethane [EDB]   Analysis Run 11/20/2023 2:17 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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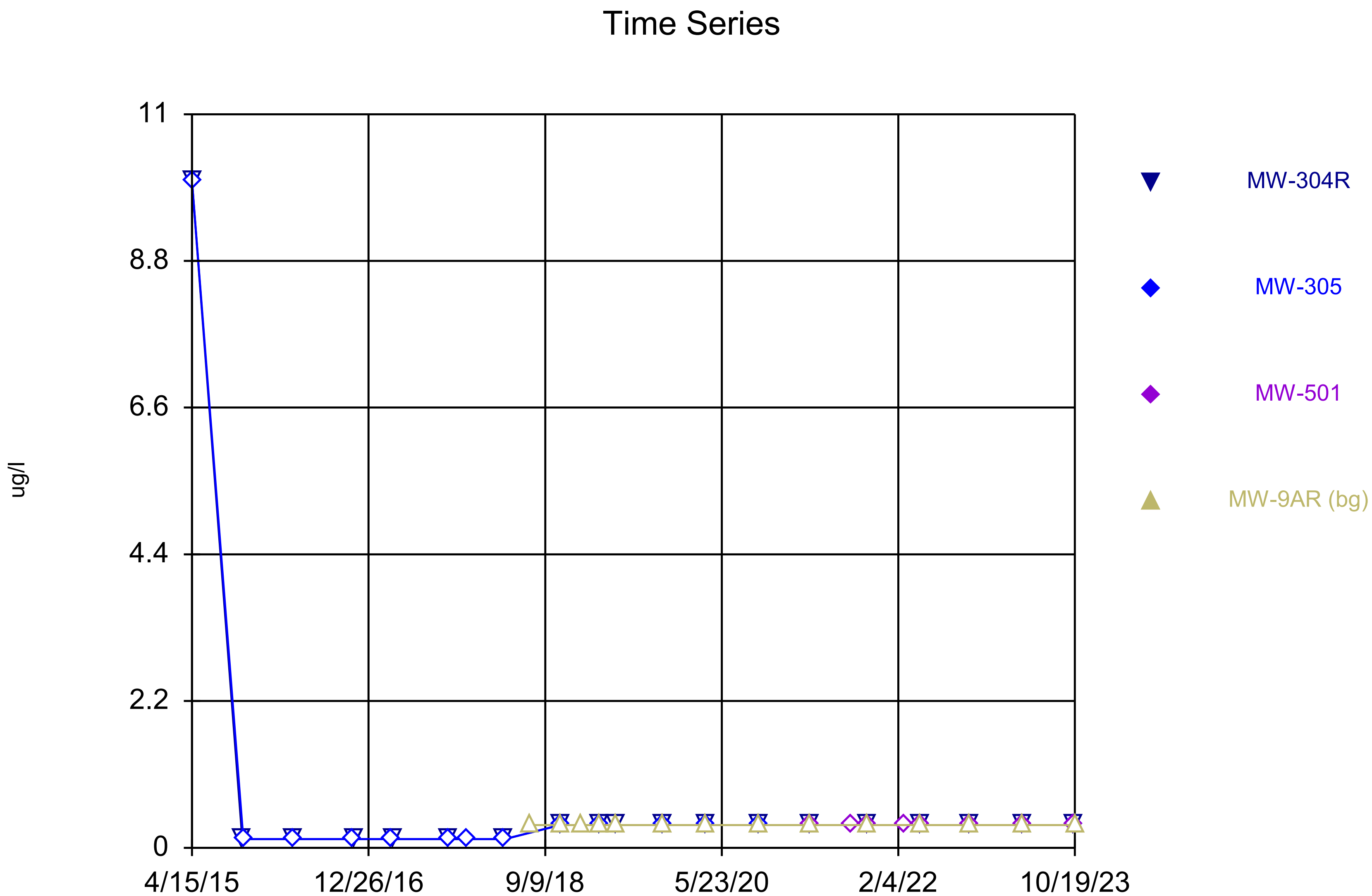
Hollow symbols indicate censored values.



Constituent: 1,2-Dibromoethane [EDB]   Analysis Run 11/20/2023 2:17 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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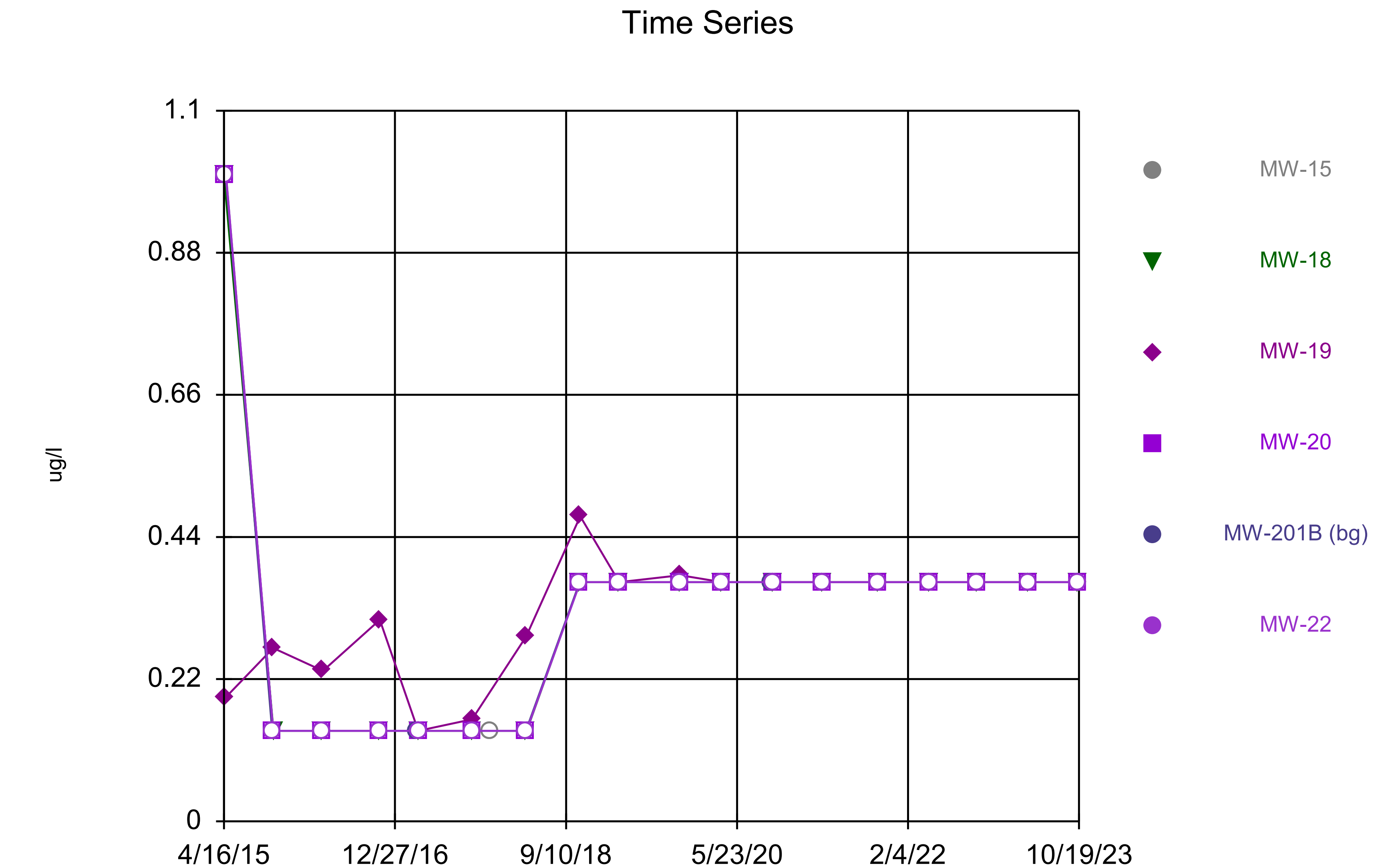
Hollow symbols indicate censored values.



Constituent: 1,2-Dichlorobenzene Analysis Run 11/20/2023 2:17 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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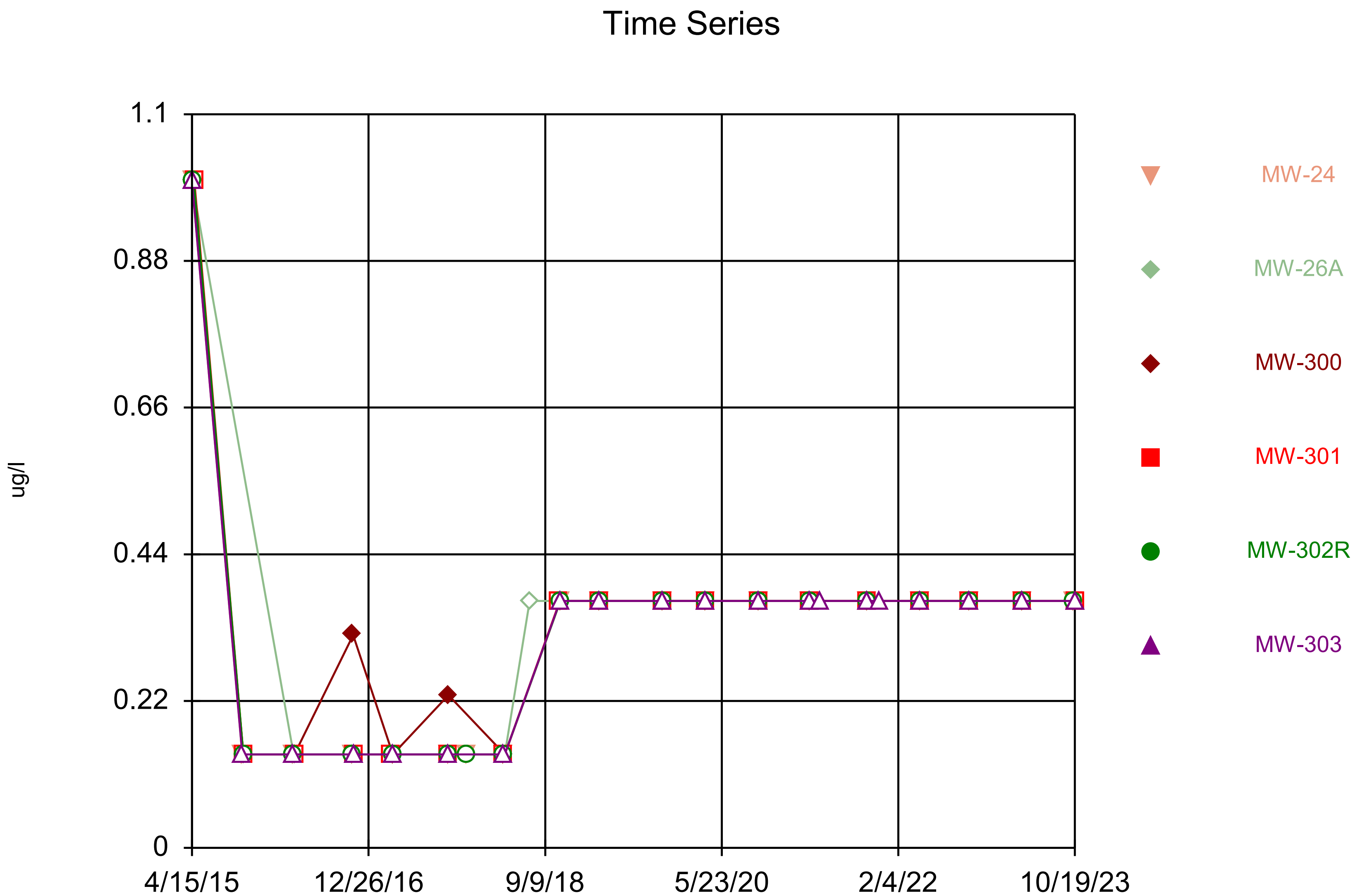

Constituent: 1,2-Dichlorobenzene Analysis Run 11/20/2023 2:17 PM View: App I_VOCs
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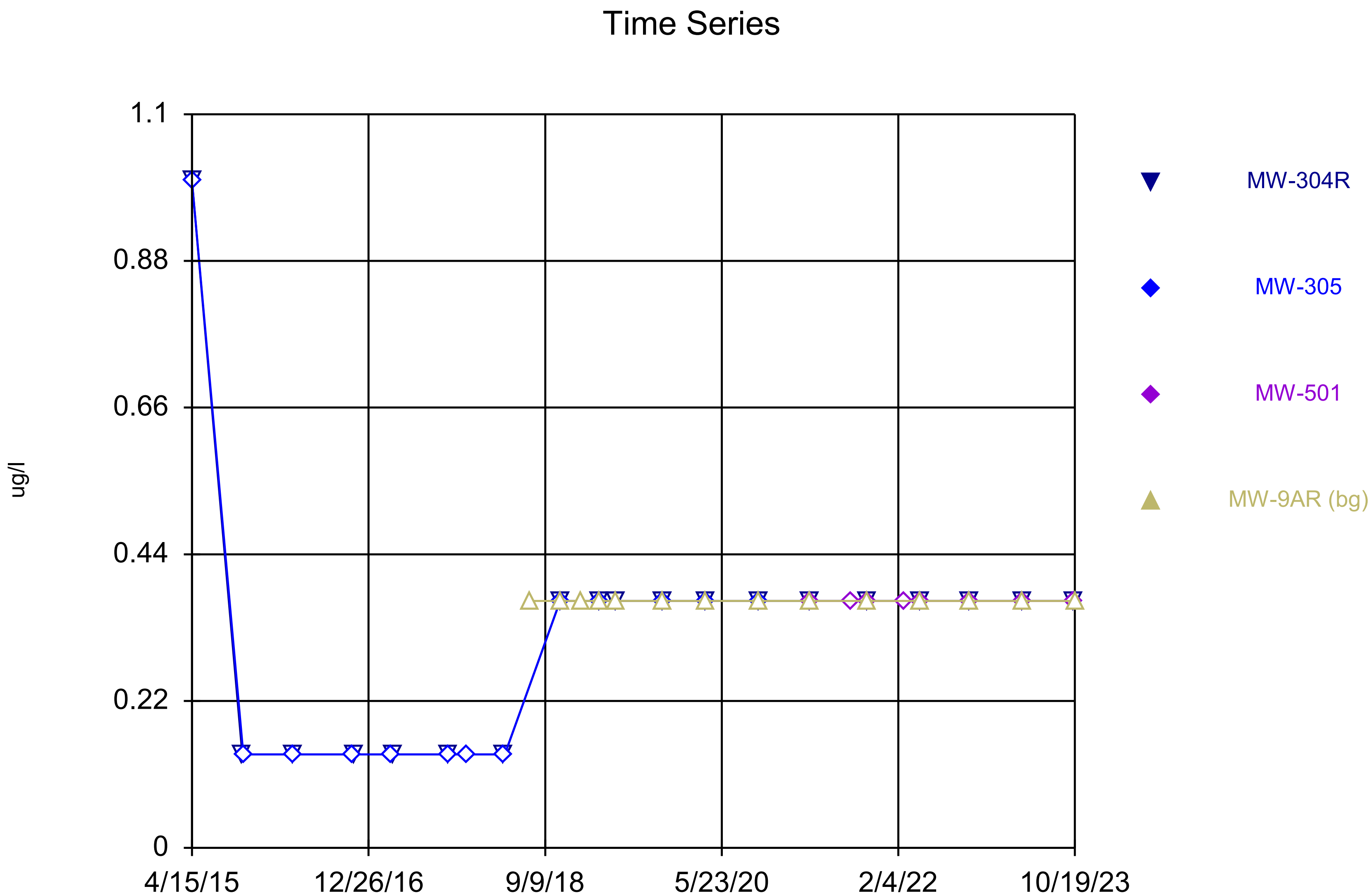

Constituent: 1,2-Dichlorobenzene Analysis Run 11/20/2023 2:17 PM View: App I_VOCs
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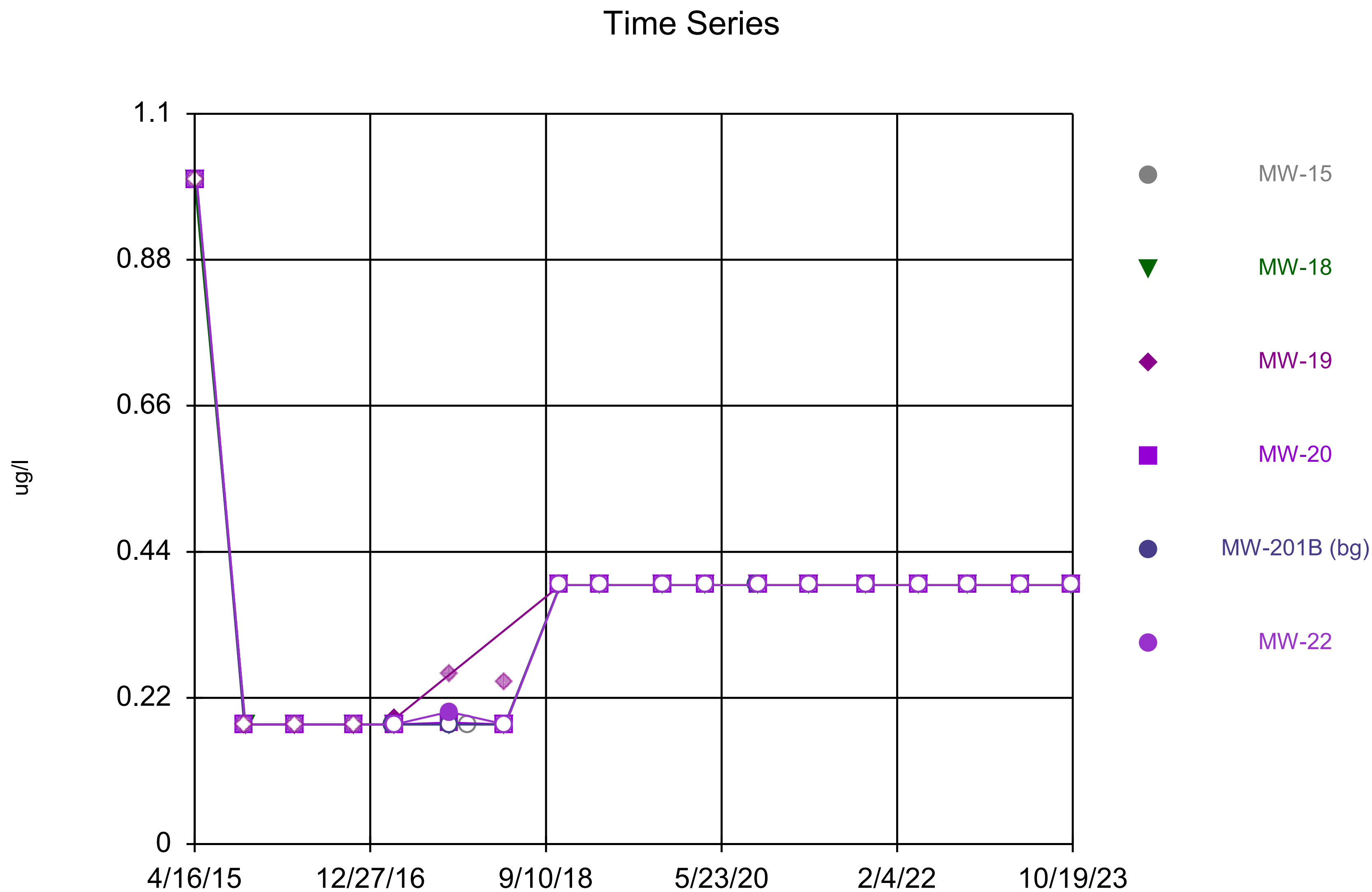

Constituent: 1,2-Dichloroethane Analysis Run 11/20/2023 2:17 PM View: App I_VOCs
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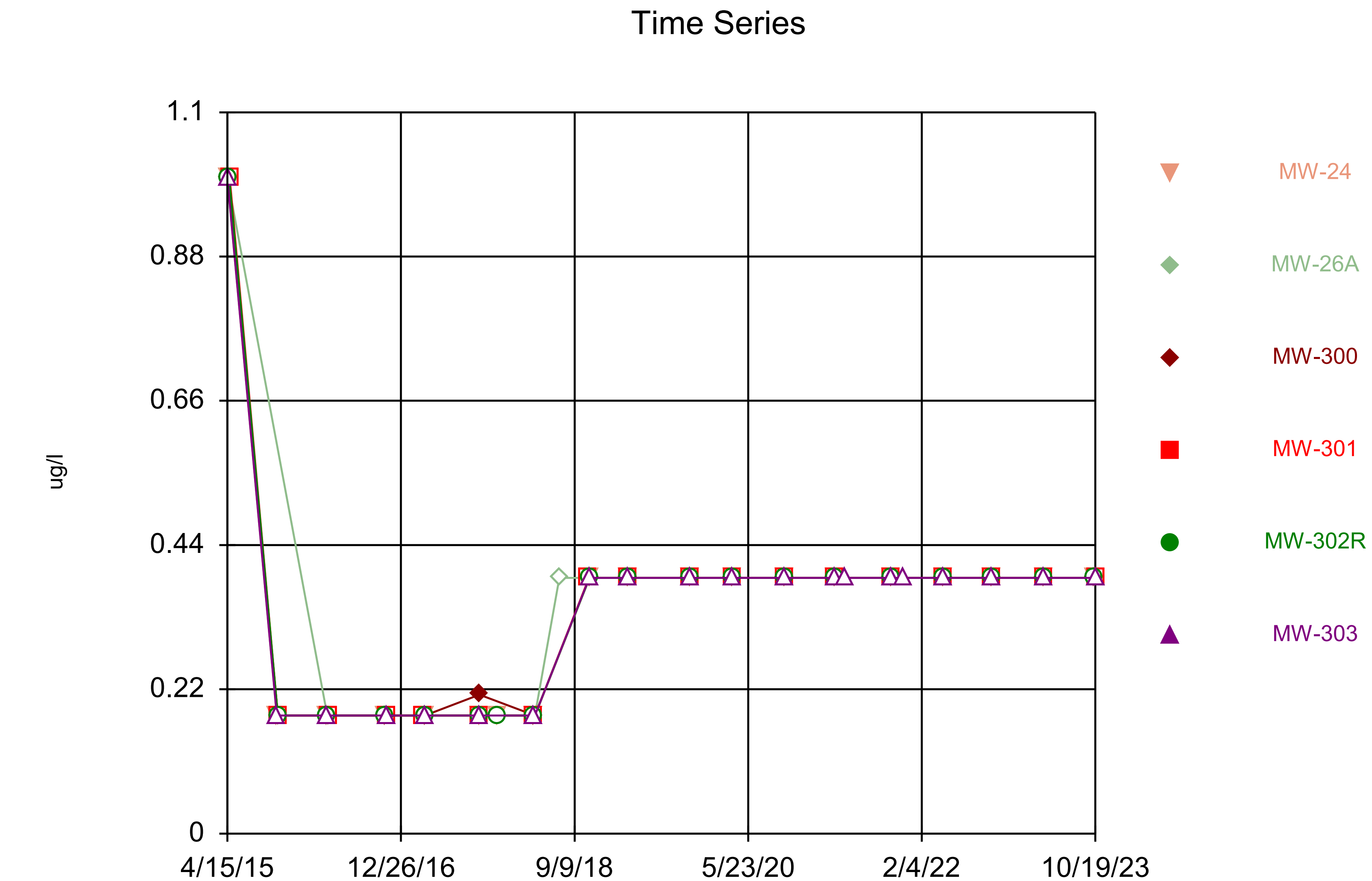

Constituent: 1,2-Dichloroethane Analysis Run 11/20/2023 2:17 PM View: App I_VOCs
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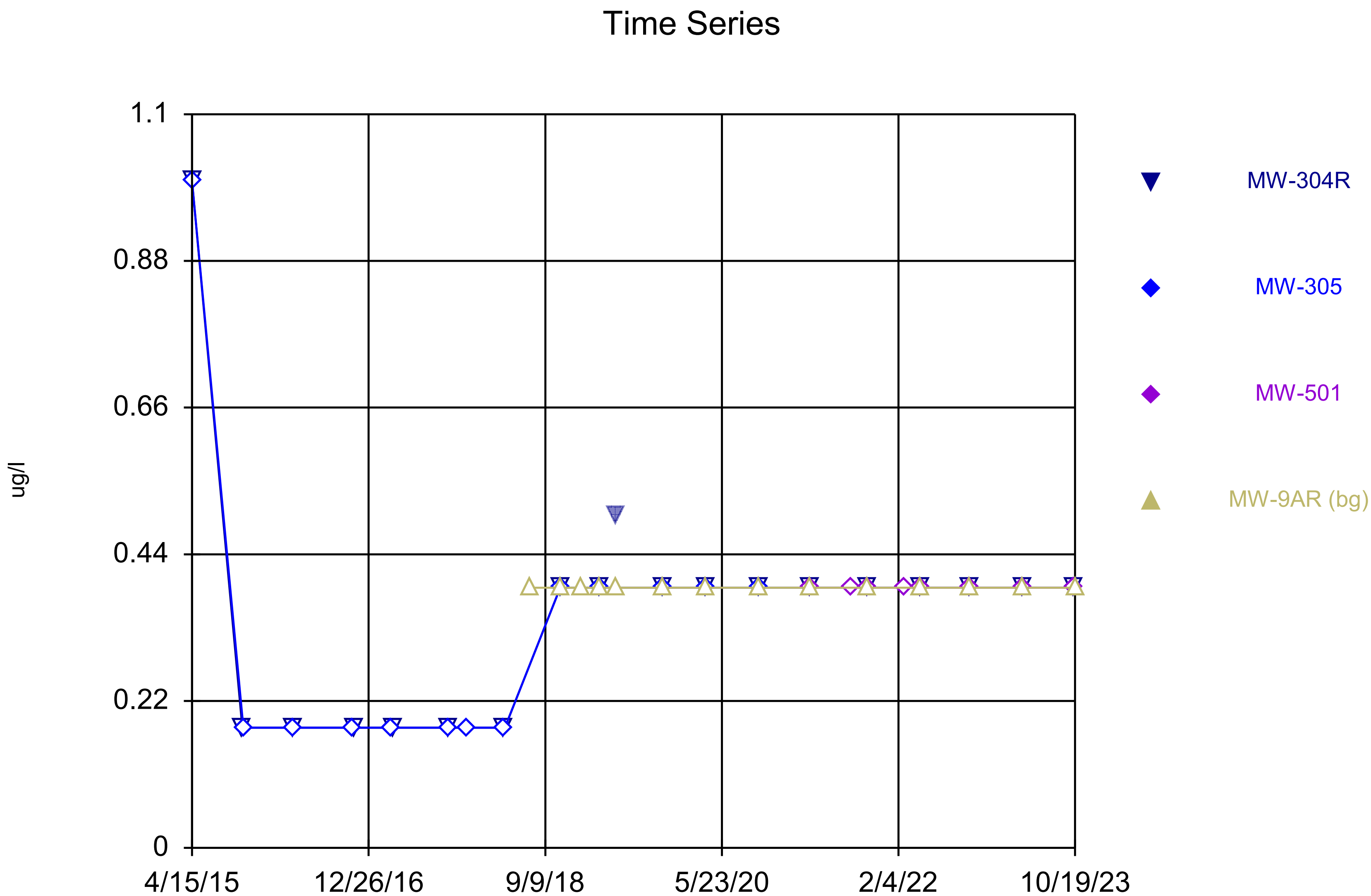

Constituent: 1,2-Dichloroethane   Analysis Run 11/20/2023 2:17 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
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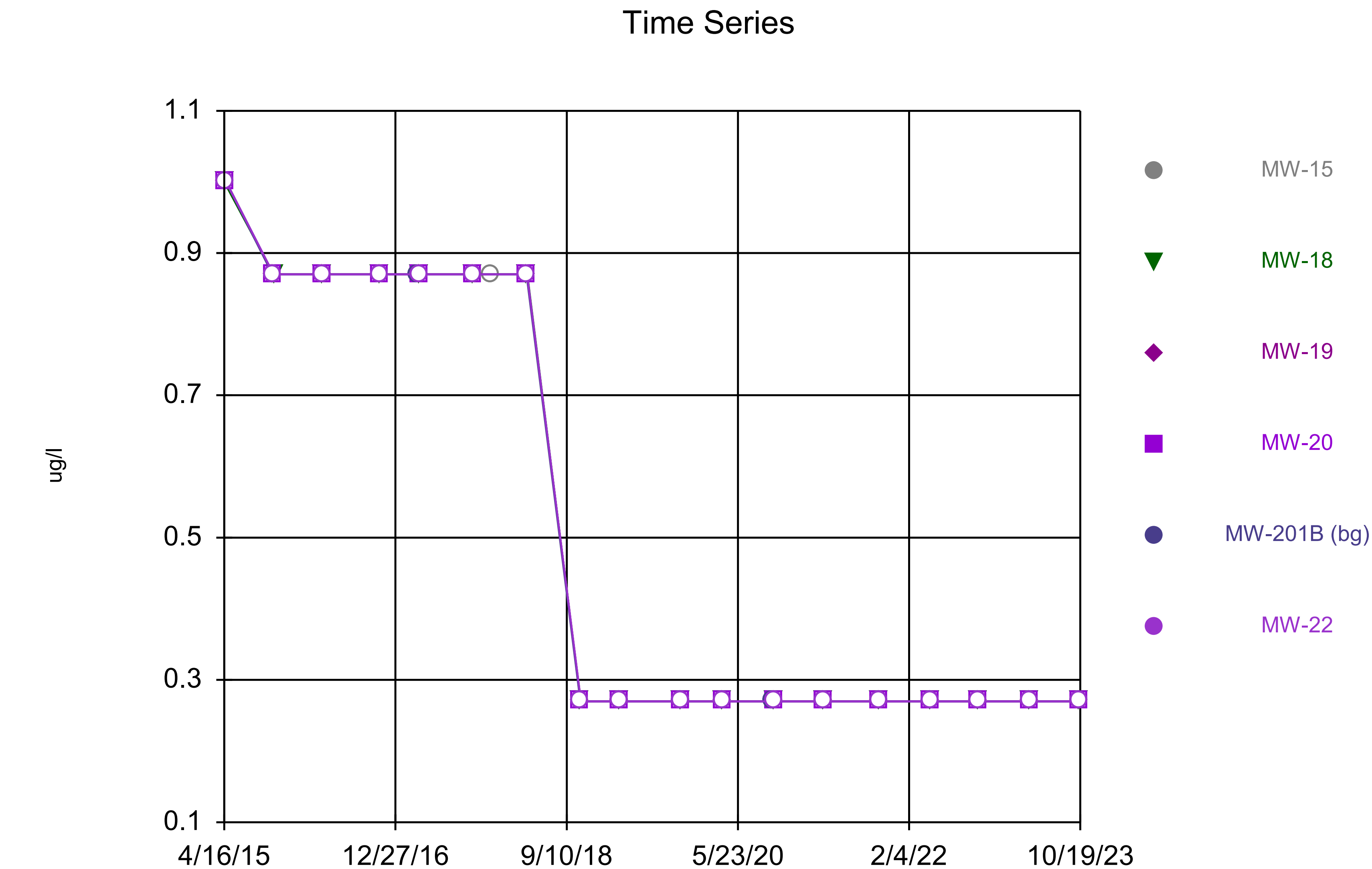

Constituent: 1,2-Dichloropropane Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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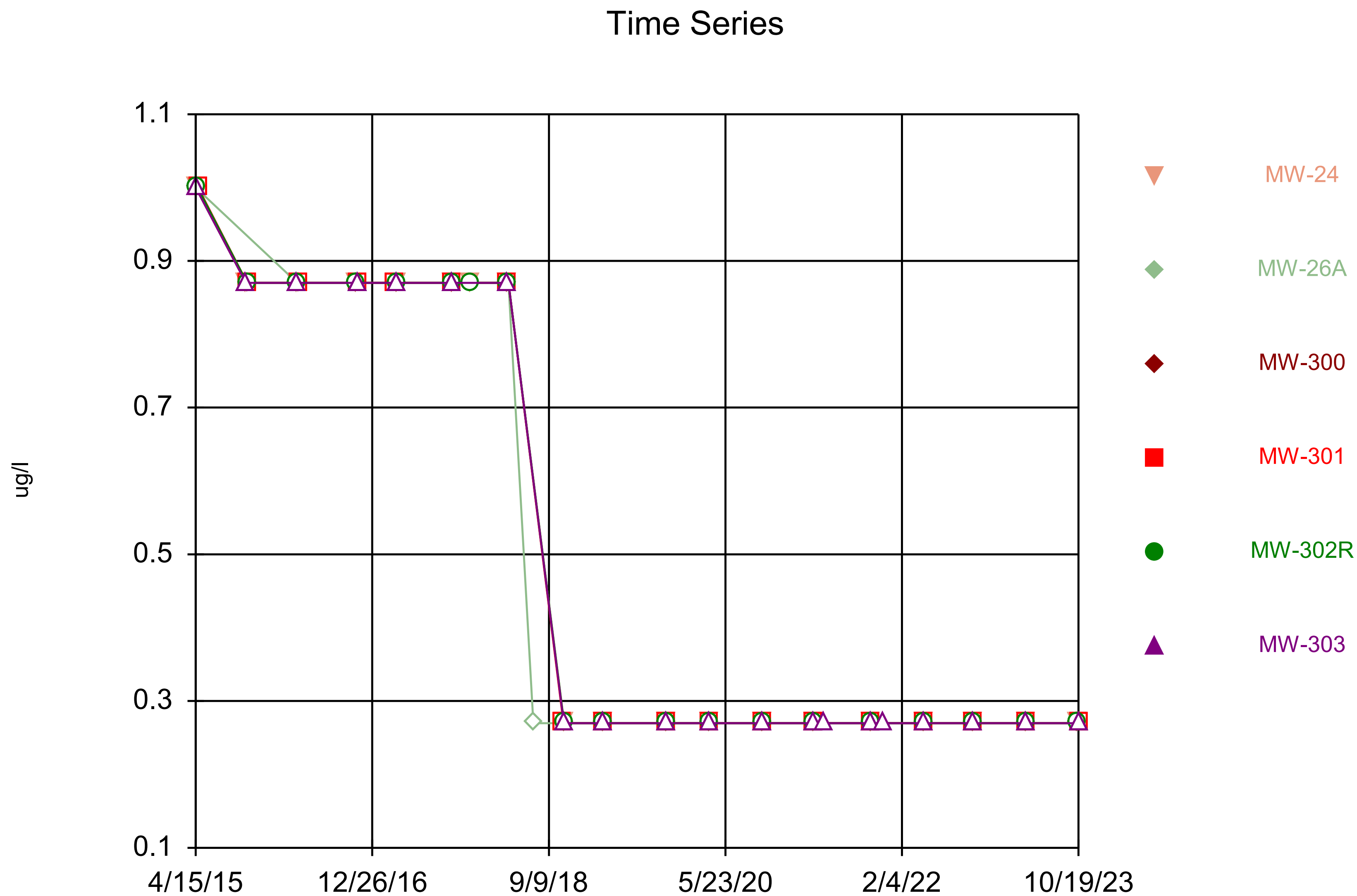

Constituent: 1,2-Dichloropropane   Analysis Run 11/20/2023 2:18 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
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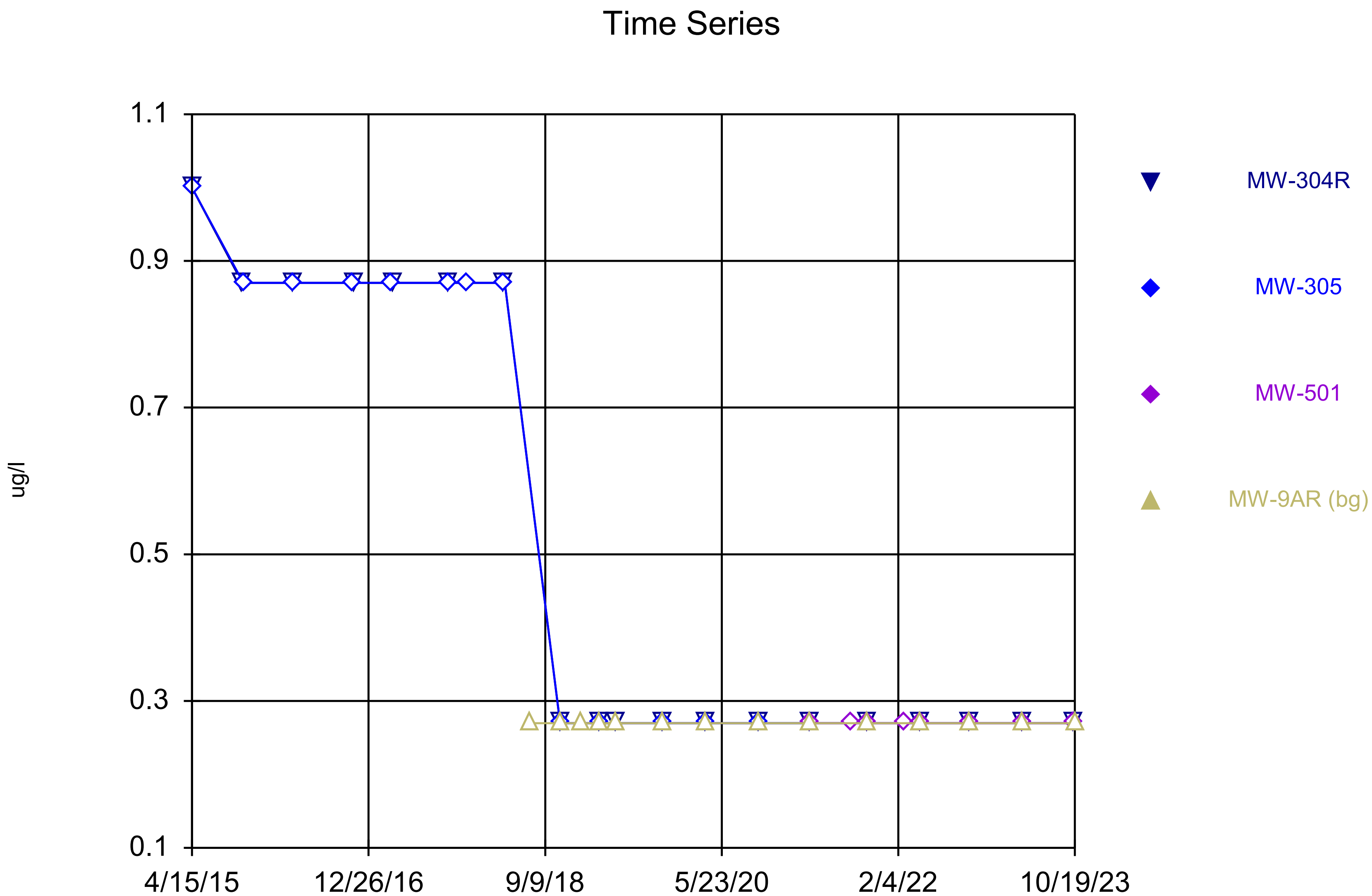
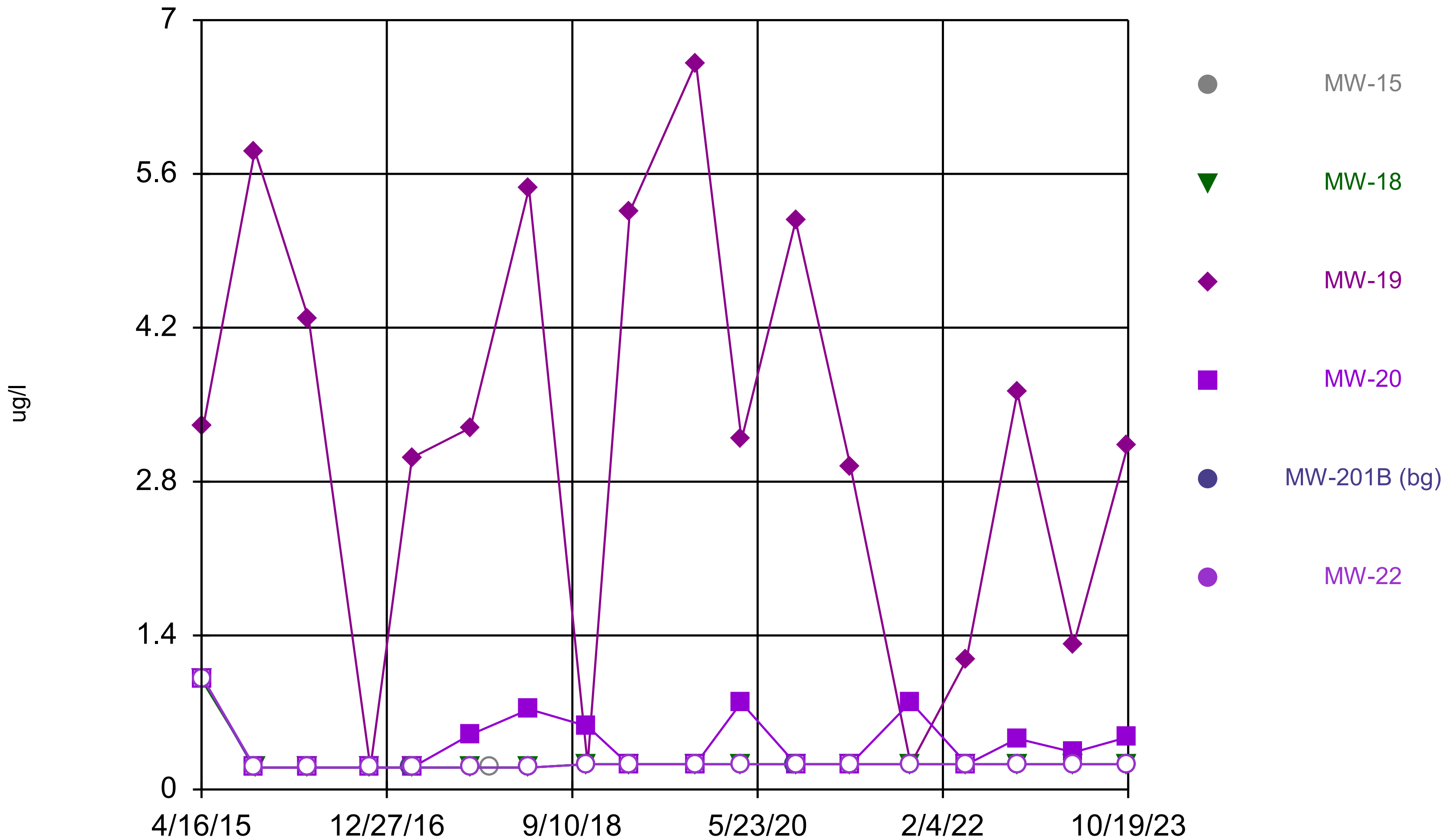


Constituent: 1,2-Dichloropropane Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Time Series



Constituent: 1,4-Dichlorobenzene Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
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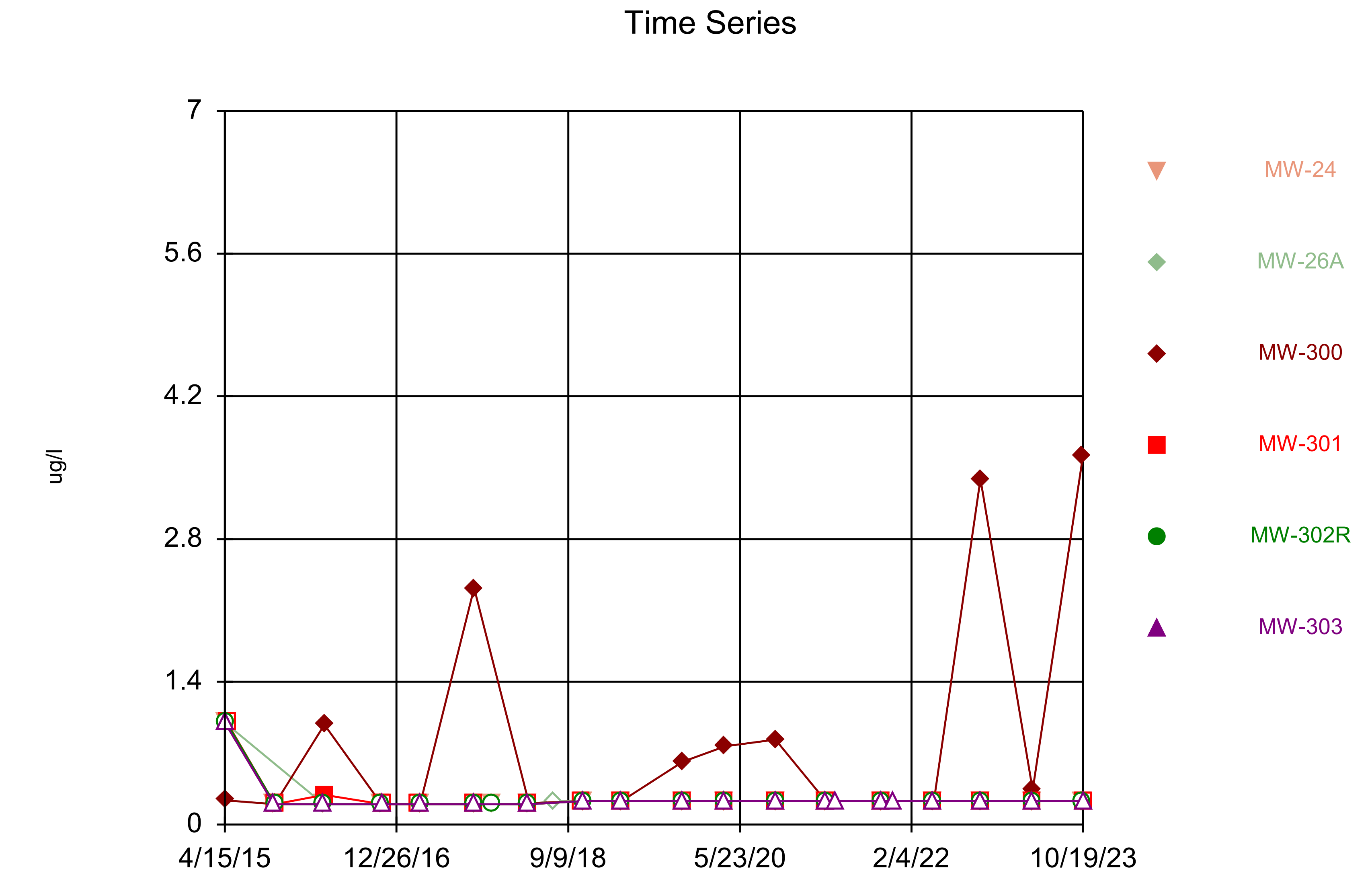
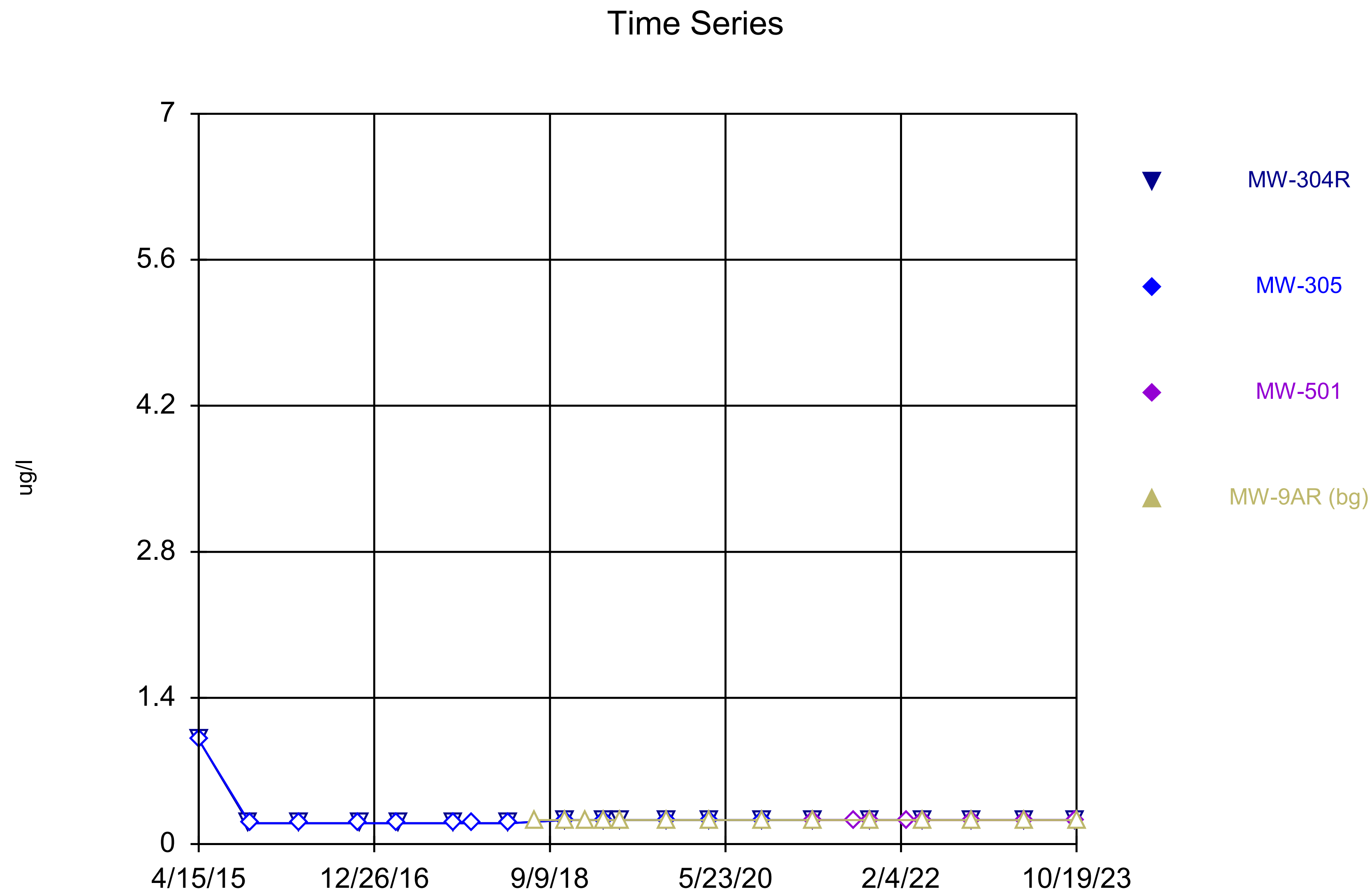


Constituent: 1,4-Dichlorobenzene Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

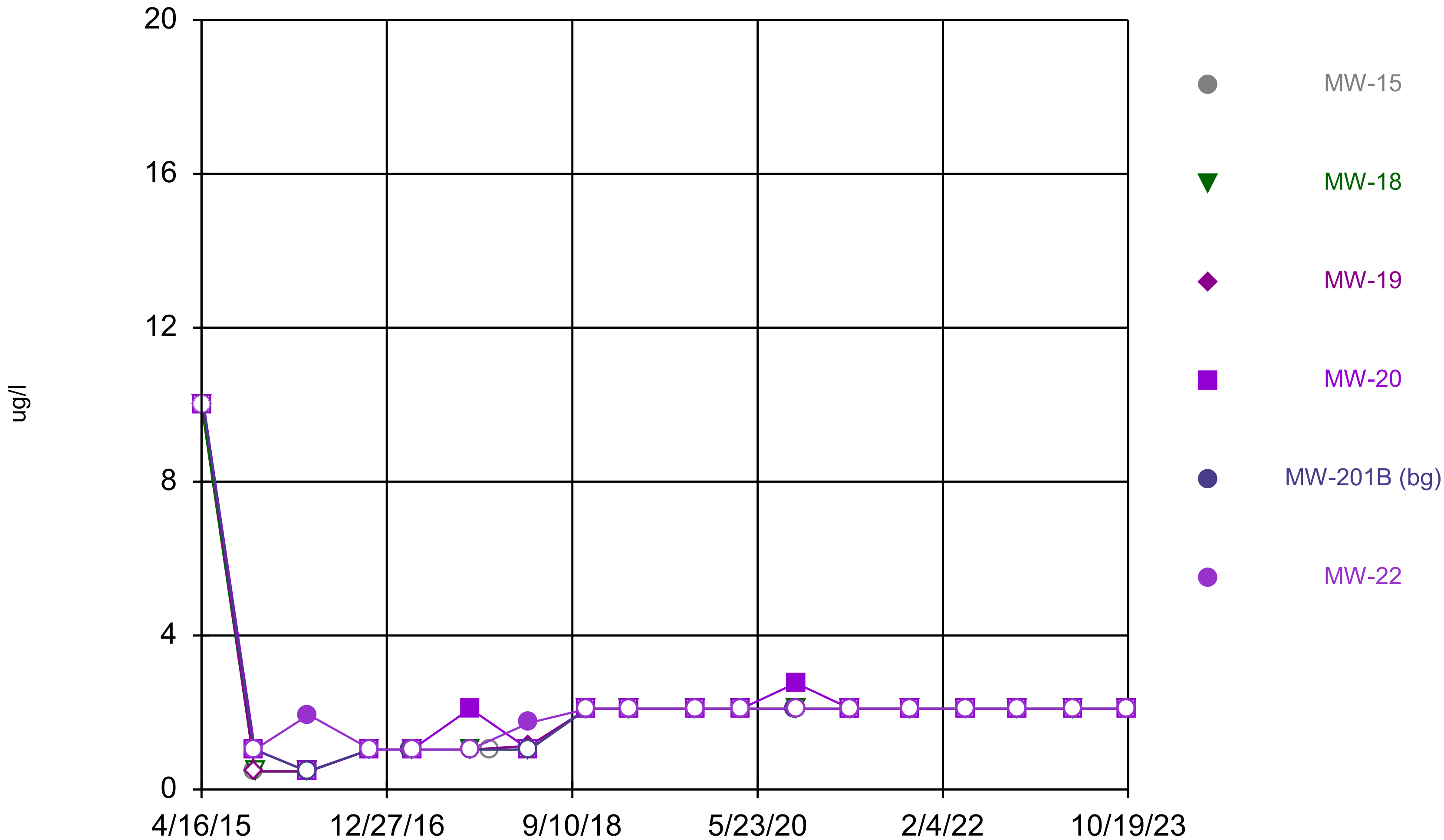
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: 1,4-Dichlorobenzene Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

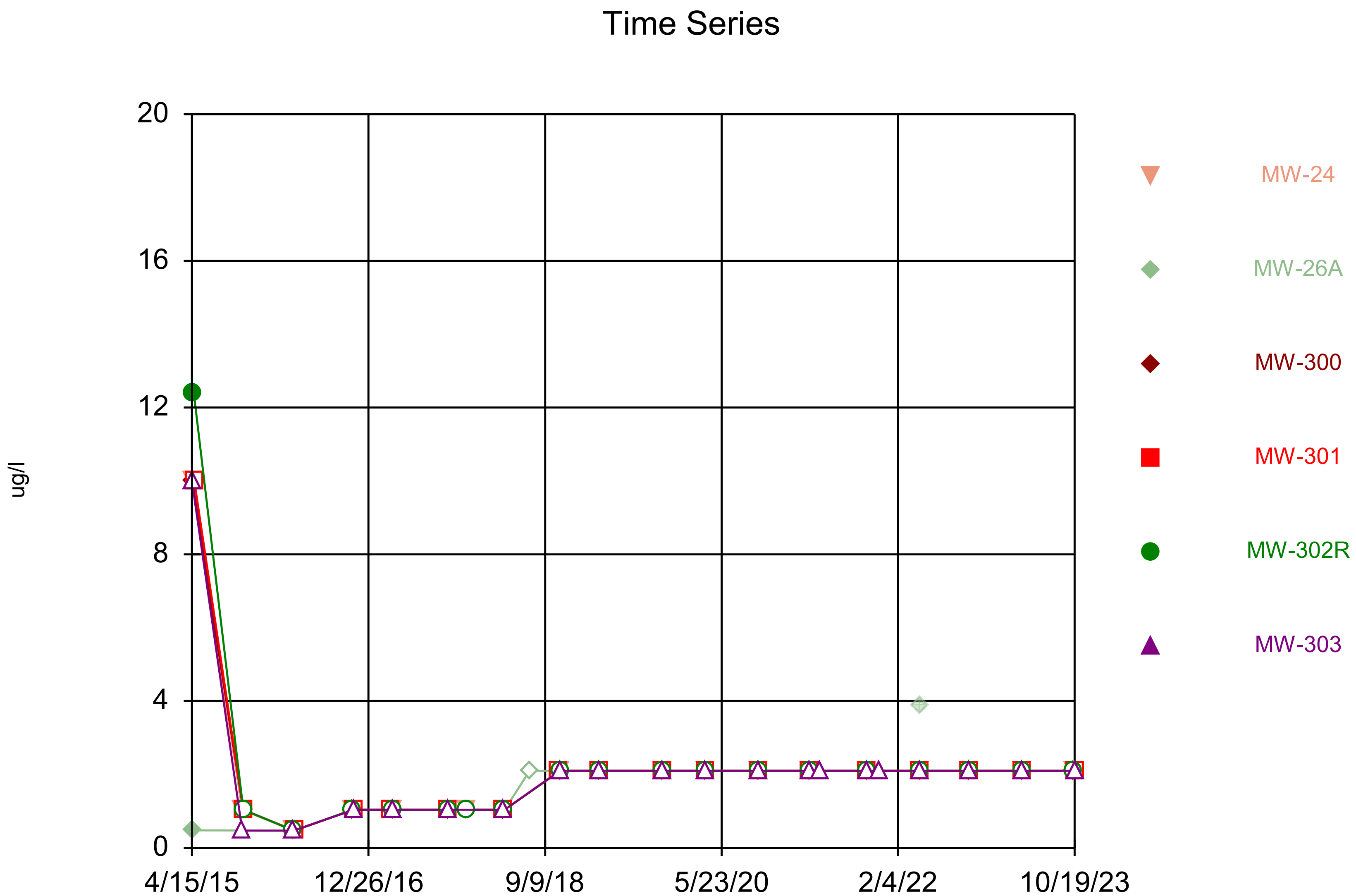
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Time Series



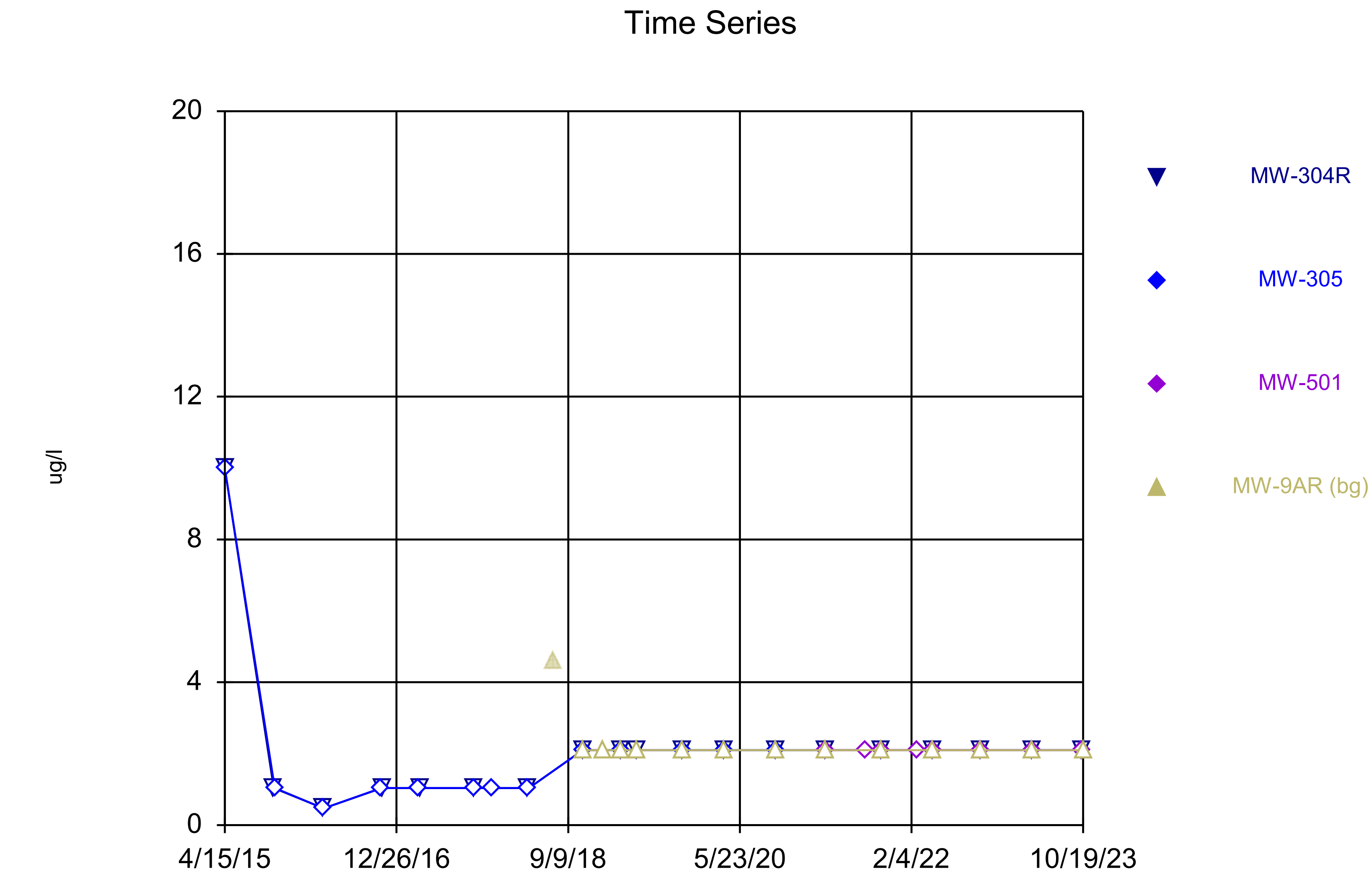
Constituent: 2-Butanone [MEK]   Analysis Run 11/20/2023 2:18 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



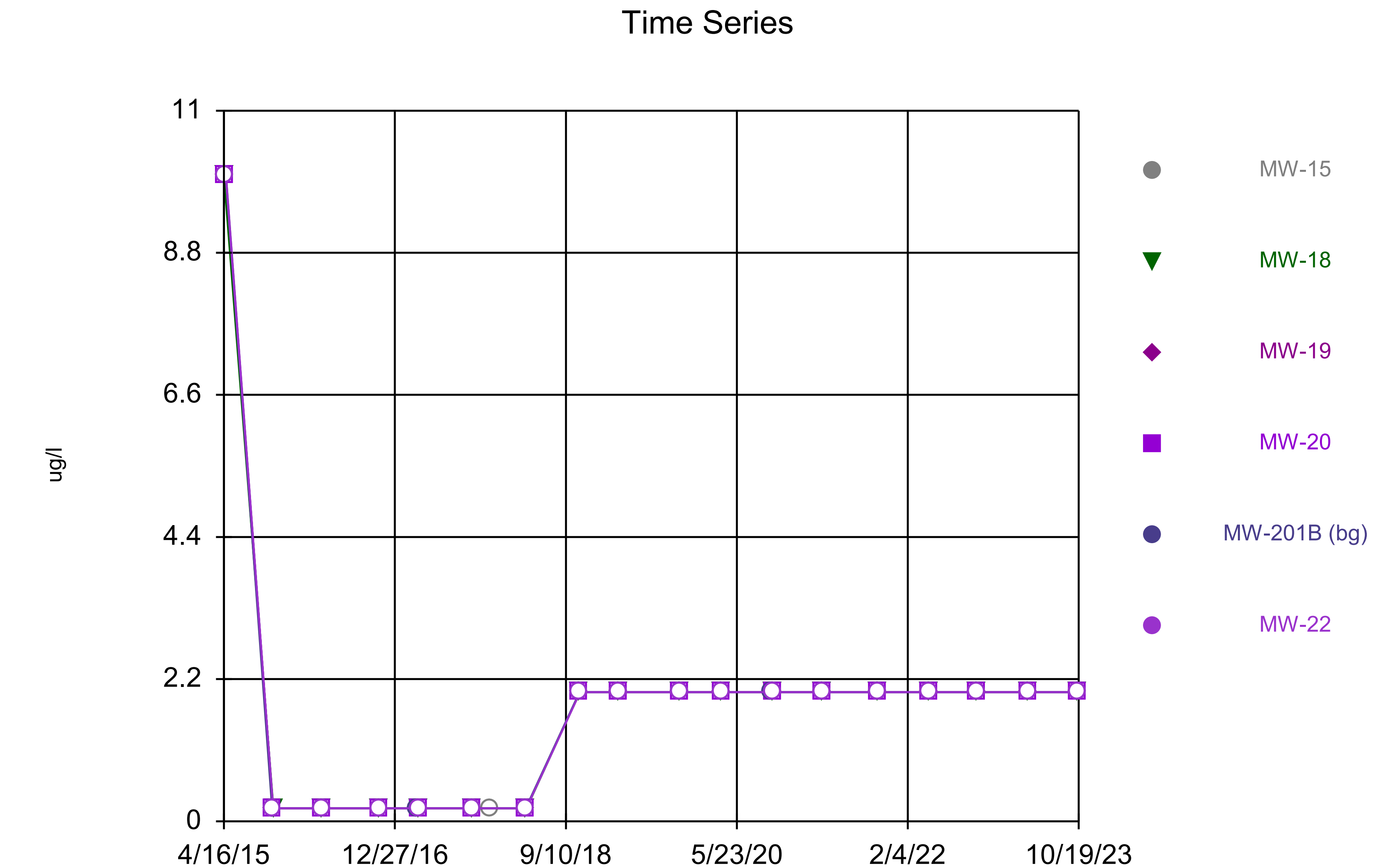
Constituent: 2-Butanone [MEK]   Analysis Run 11/20/2023 2:18 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



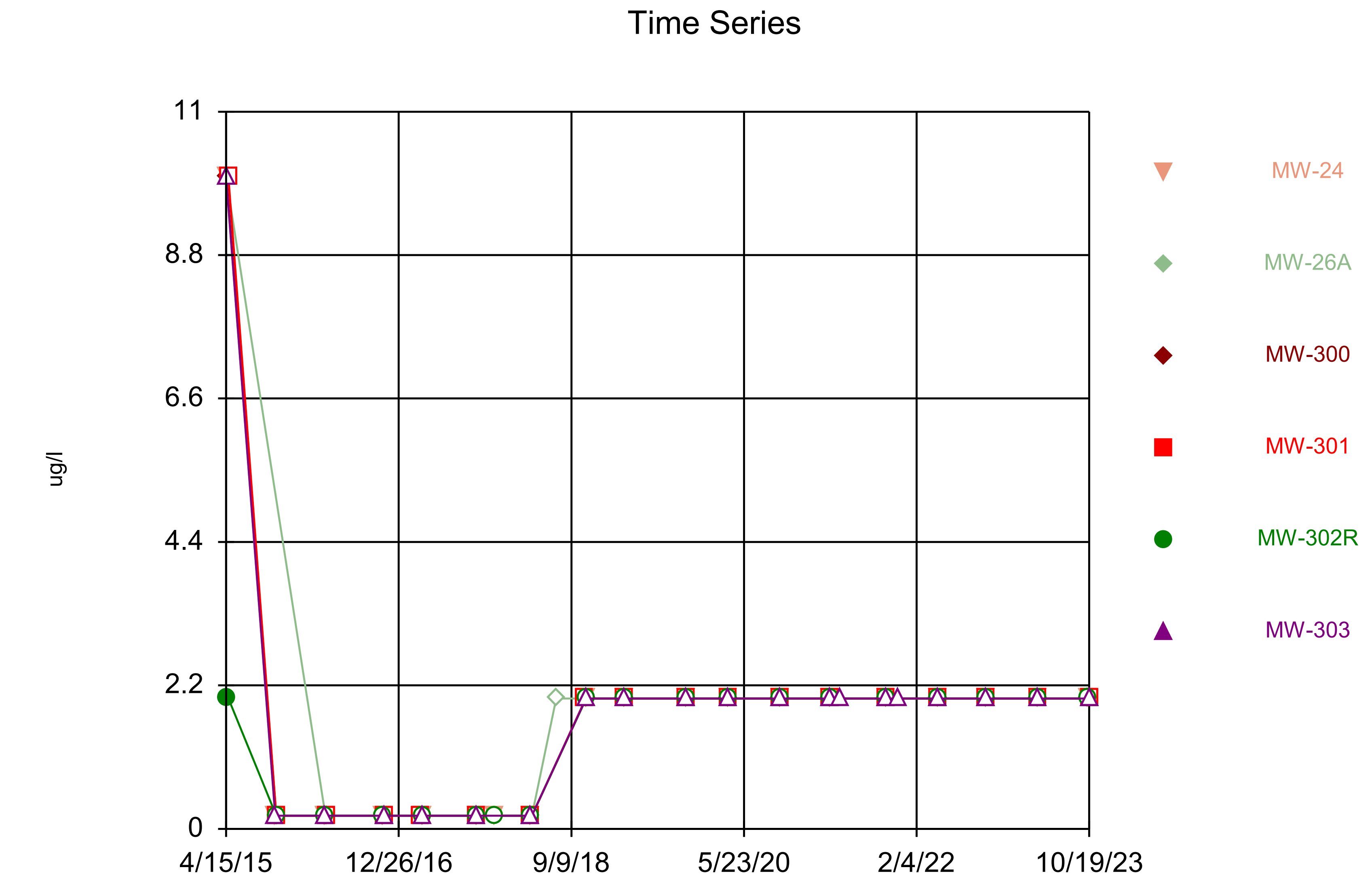
Constituent: 2-Butanone [MEK] Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: 2-Hexanone Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: 2-Hexanone   Analysis Run 11/20/2023 2:18 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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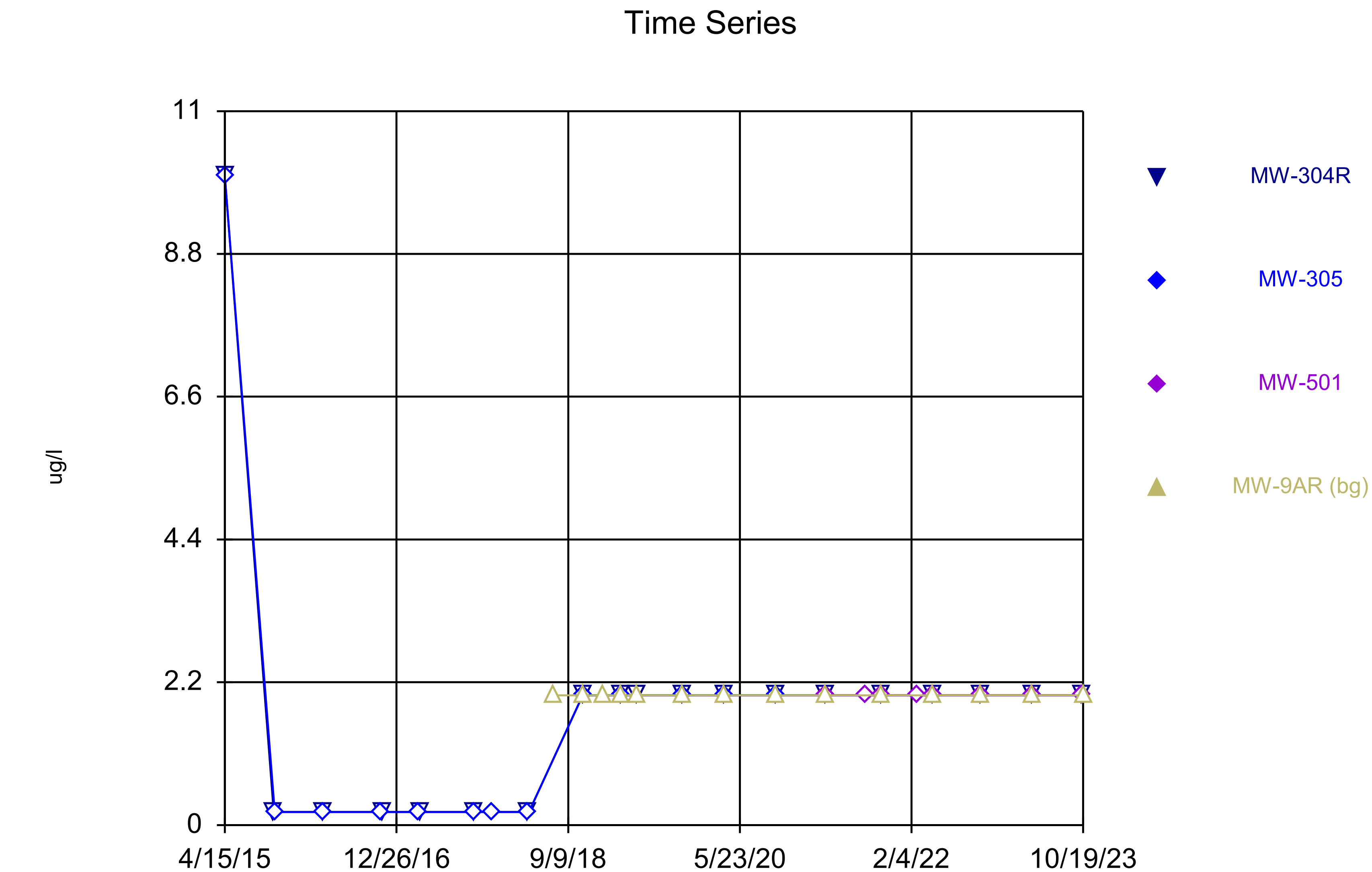
Hollow symbols indicate censored values.



Constituent: 2-Hexanone   Analysis Run 11/20/2023 2:18 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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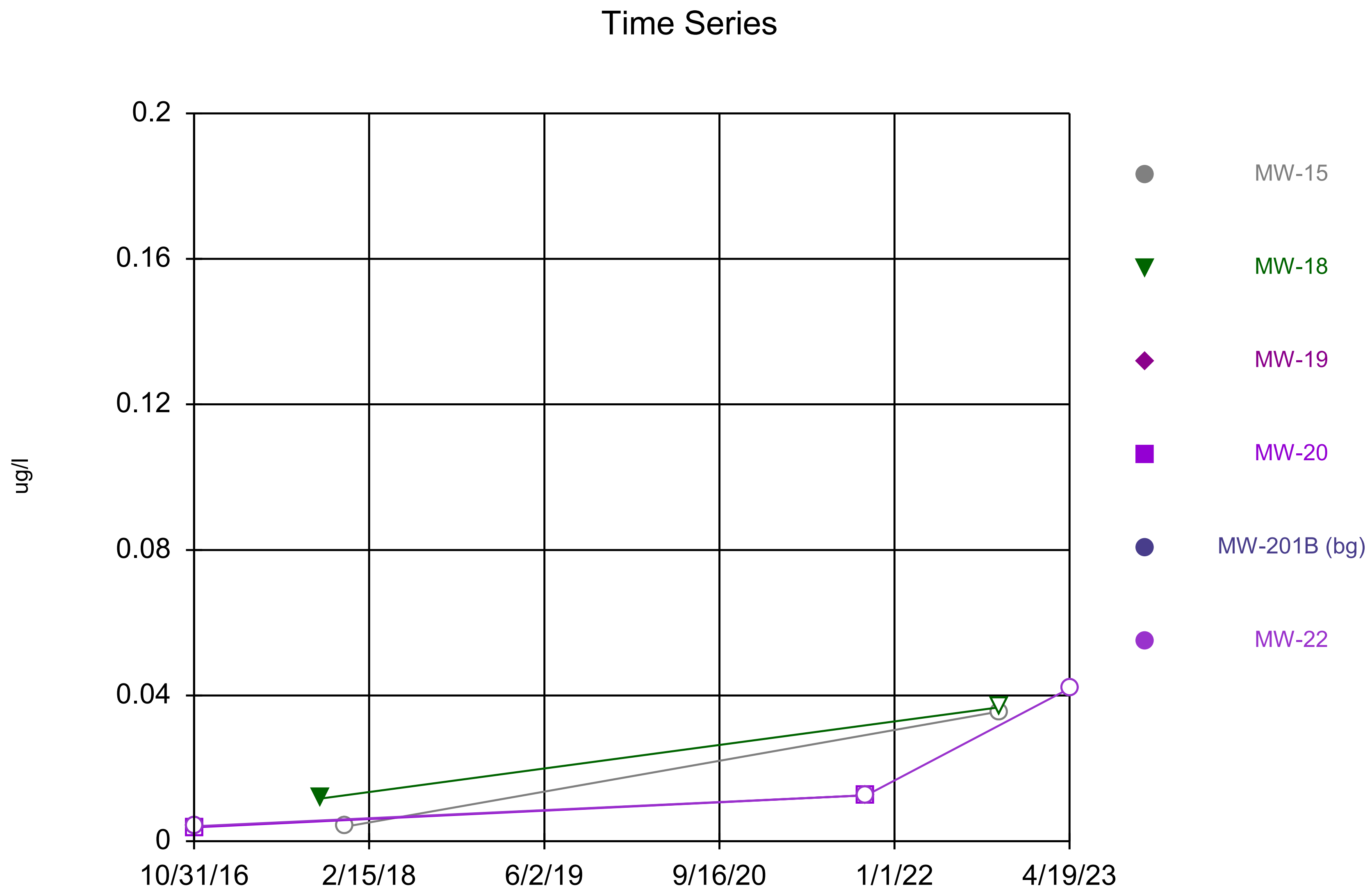
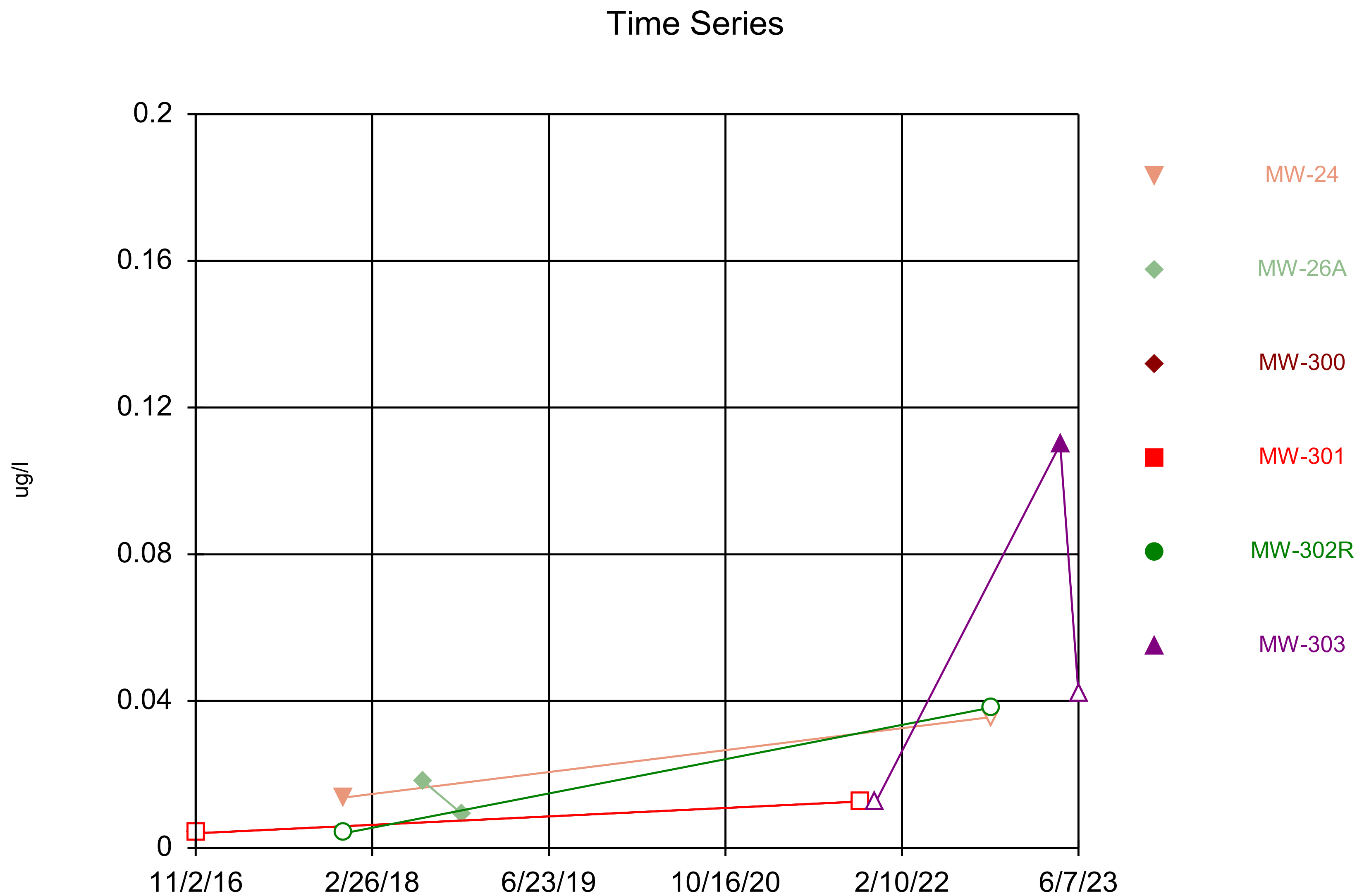
Hollow symbols indicate censored values.



Constituent: 4,4`-DDT   Analysis Run 11/20/2023 2:18 PM   View: App I_VOCs

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: 4,4`-DDT   Analysis Run 11/20/2023 2:18 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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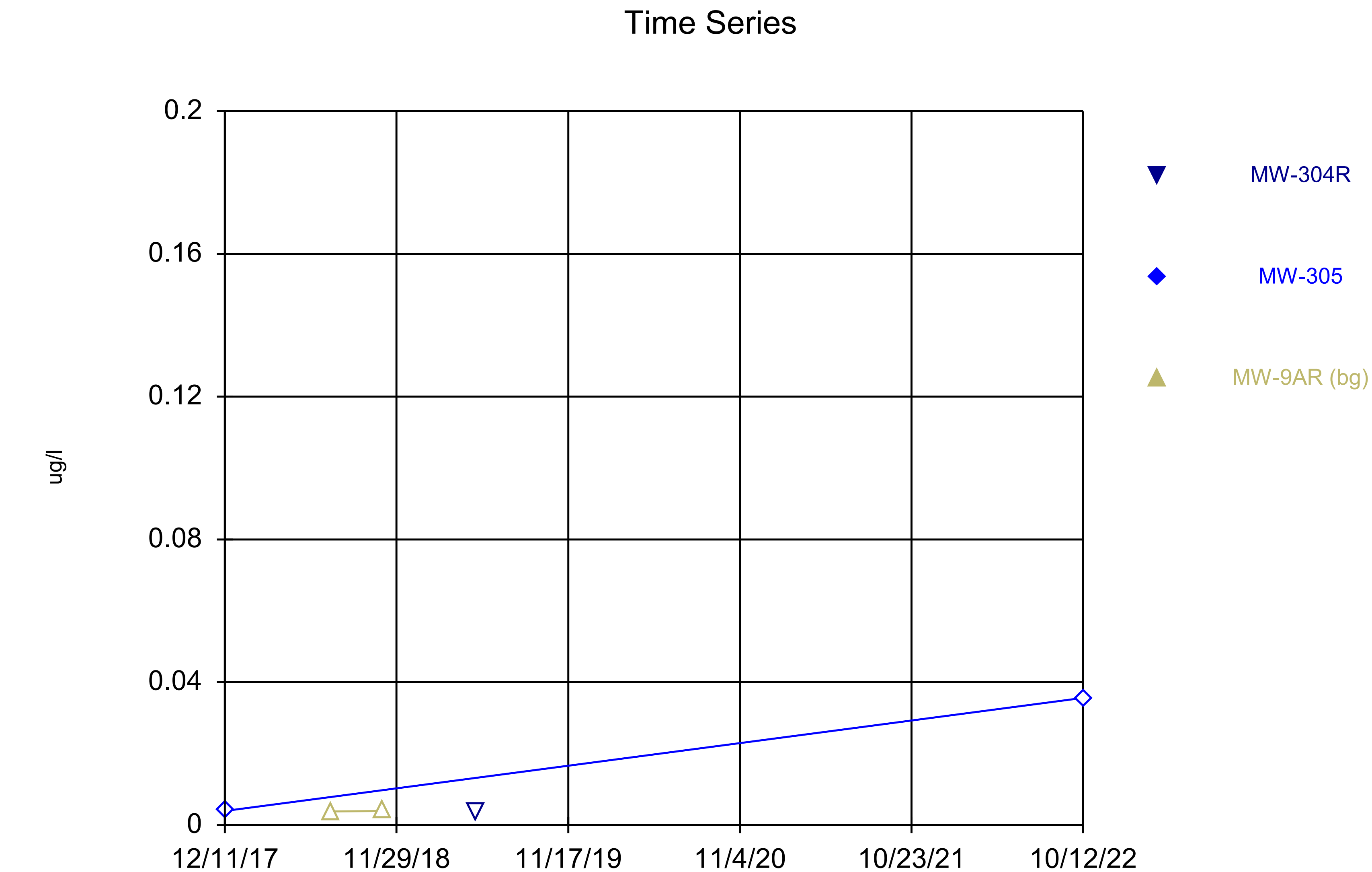
Hollow symbols indicate censored values.



Constituent: 4,4`-DDT   Analysis Run 11/20/2023 2:18 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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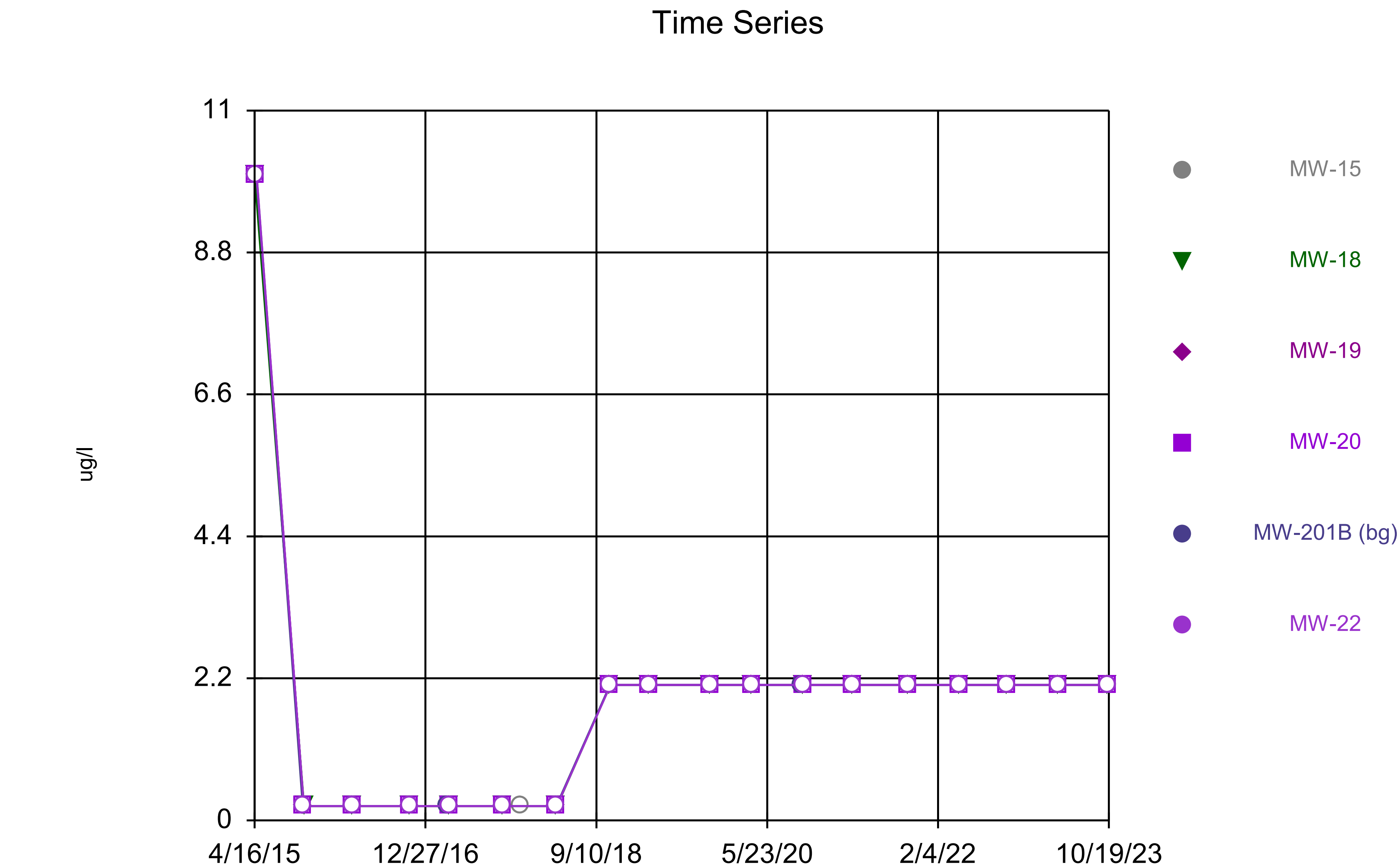
Hollow symbols indicate censored values.



Constituent: 4-Methyl-2-pentanone Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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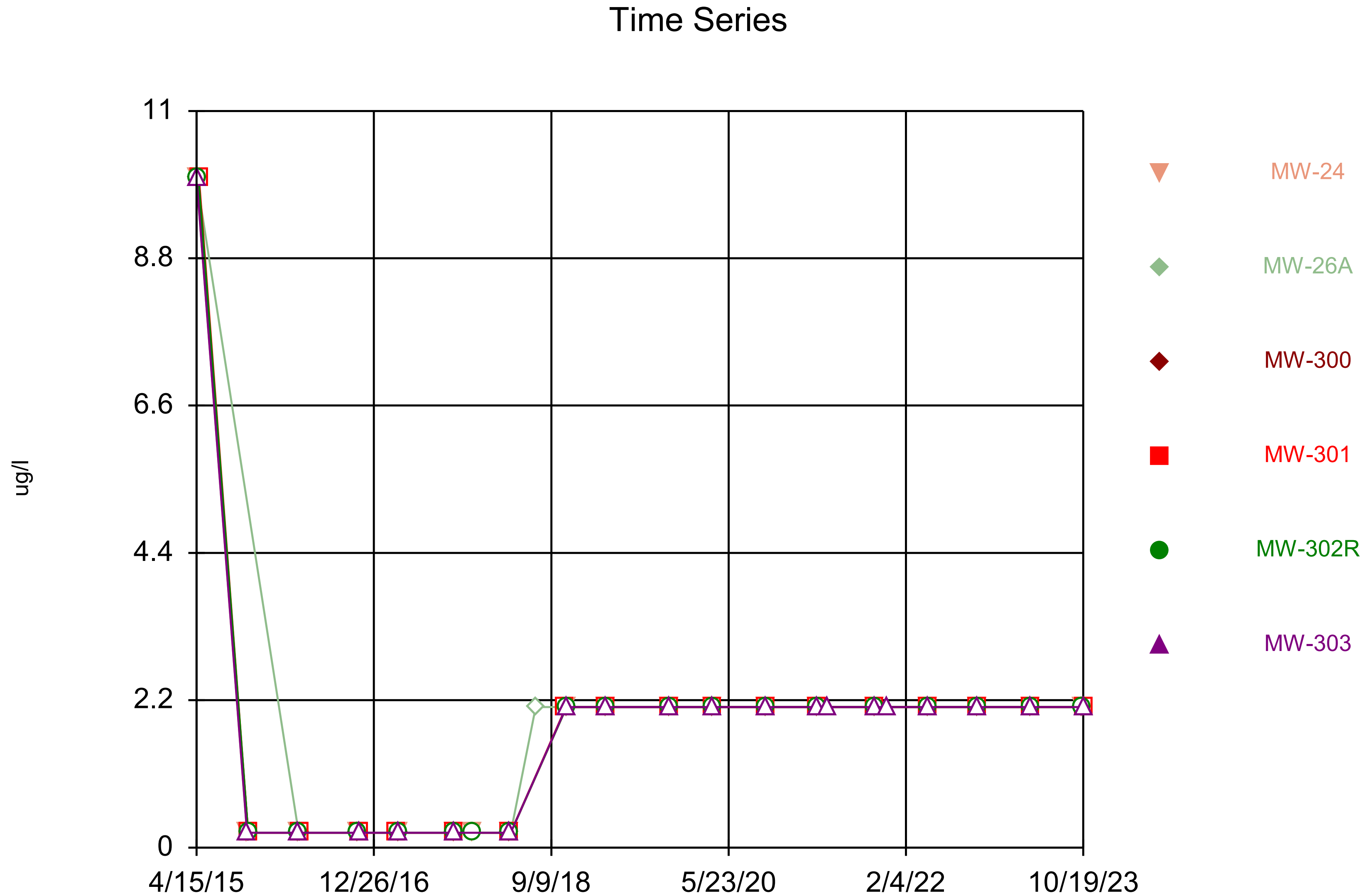

Constituent: 4-Methyl-2-pentanone   Analysis Run 11/20/2023 2:18 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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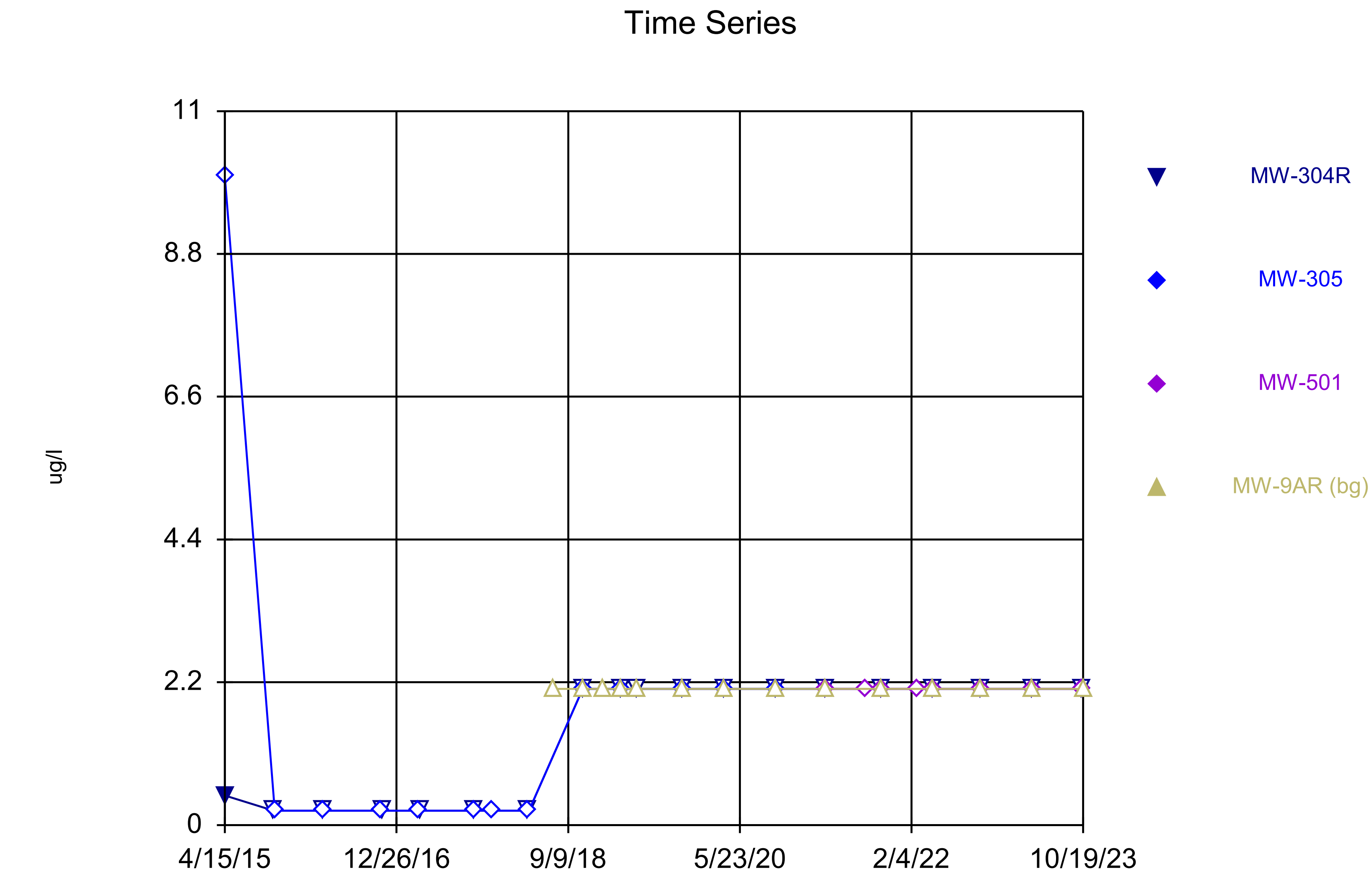

Constituent: 4-Methyl-2-pentanone   Analysis Run 11/20/2023 2:18 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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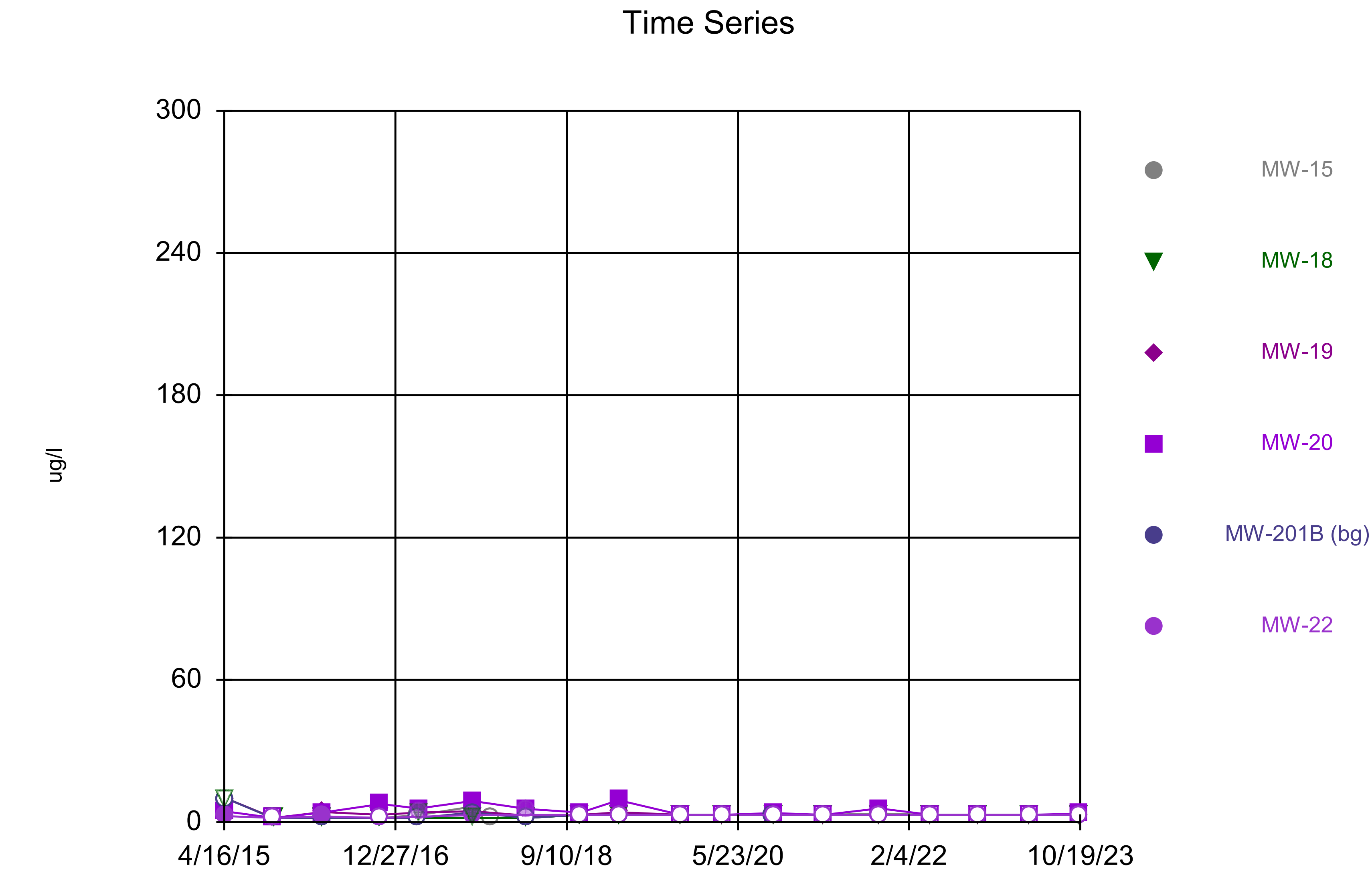
Hollow symbols indicate censored values.



Constituent: Acetone   Analysis Run 11/20/2023 2:18 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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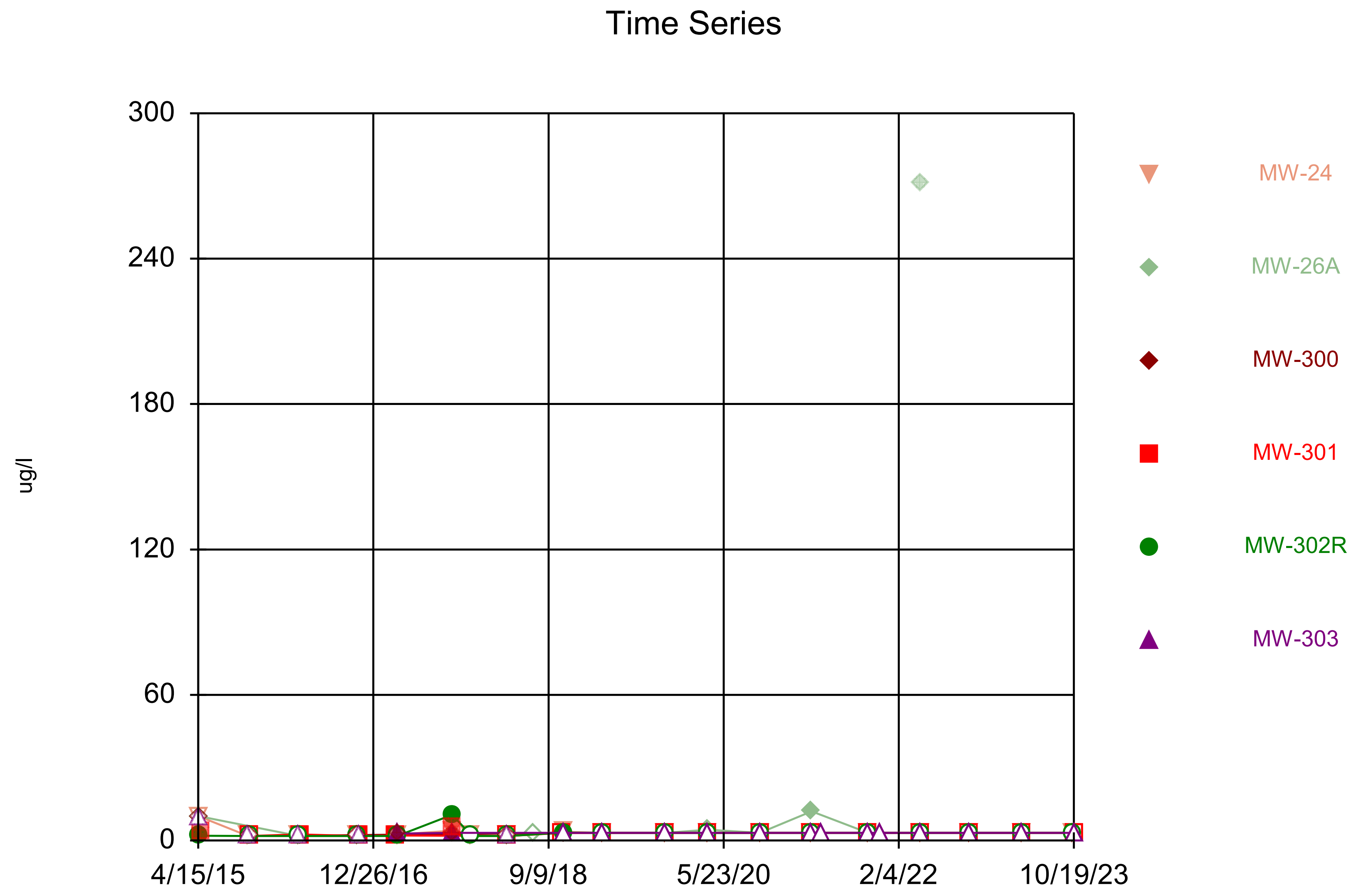
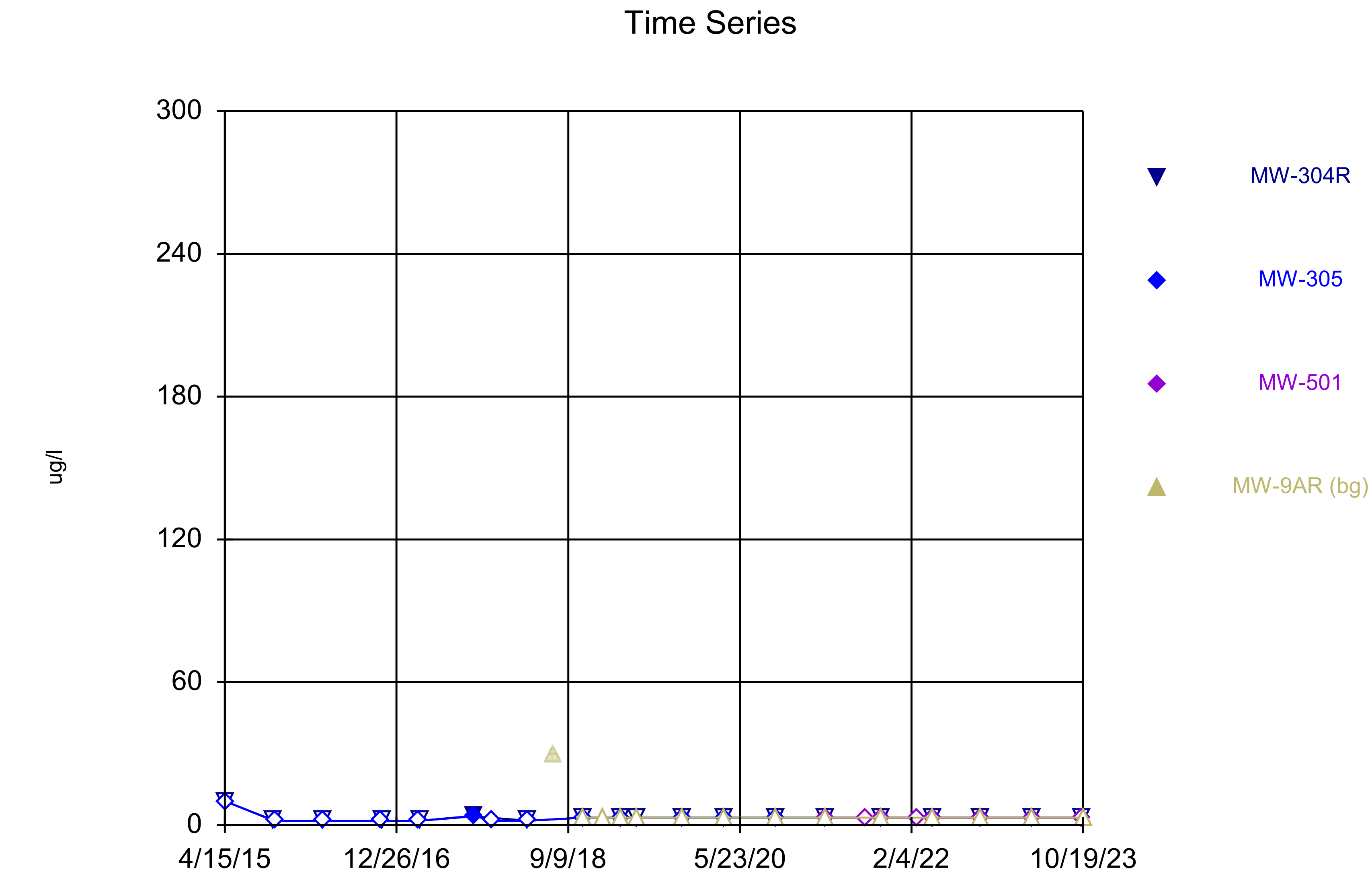
Hollow symbols indicate censored values.



Constituent: Acetone   Analysis Run 11/20/2023 2:18 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Acetone Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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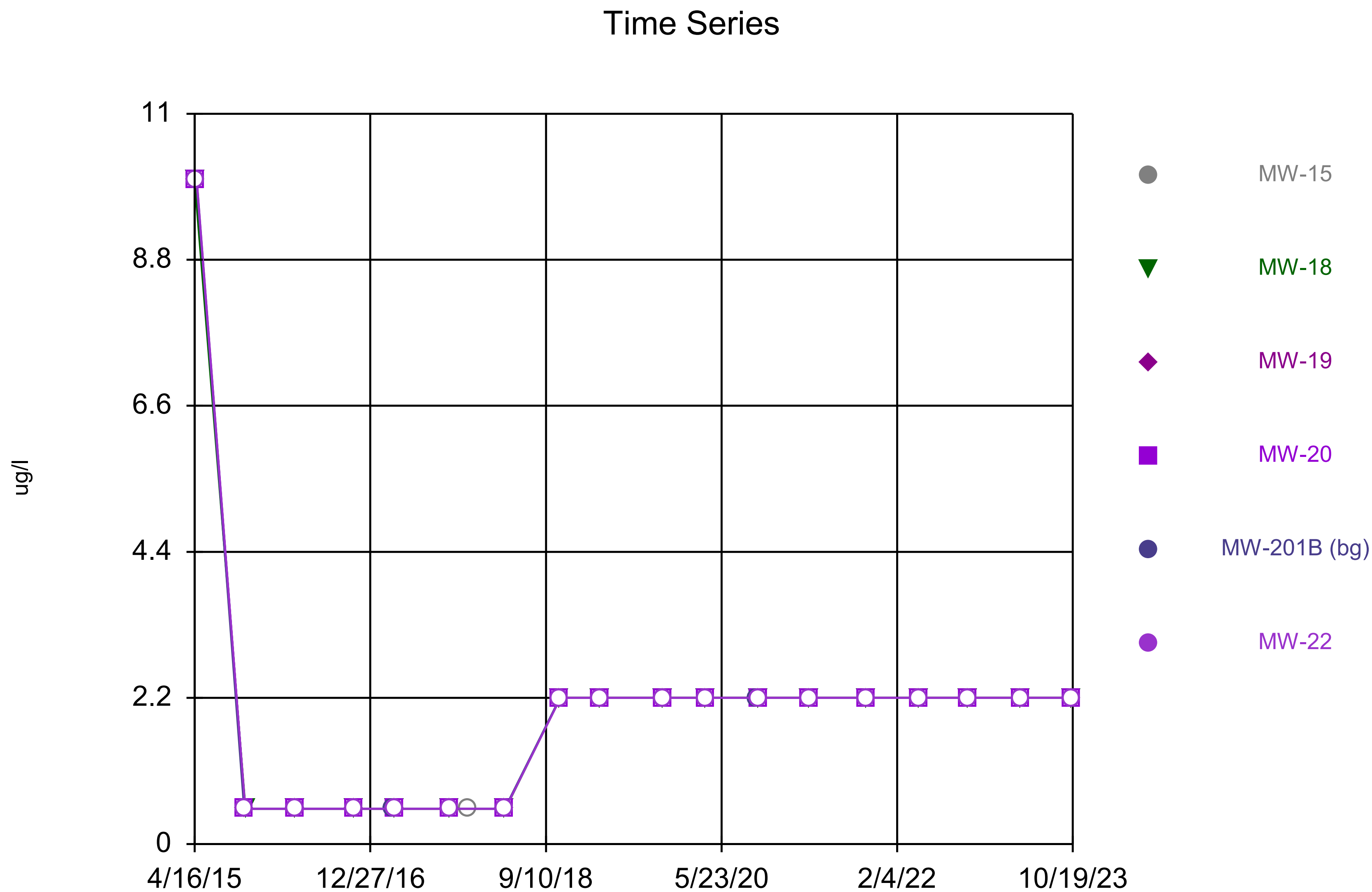
Hollow symbols indicate censored values.



Constituent: Acrylonitrile Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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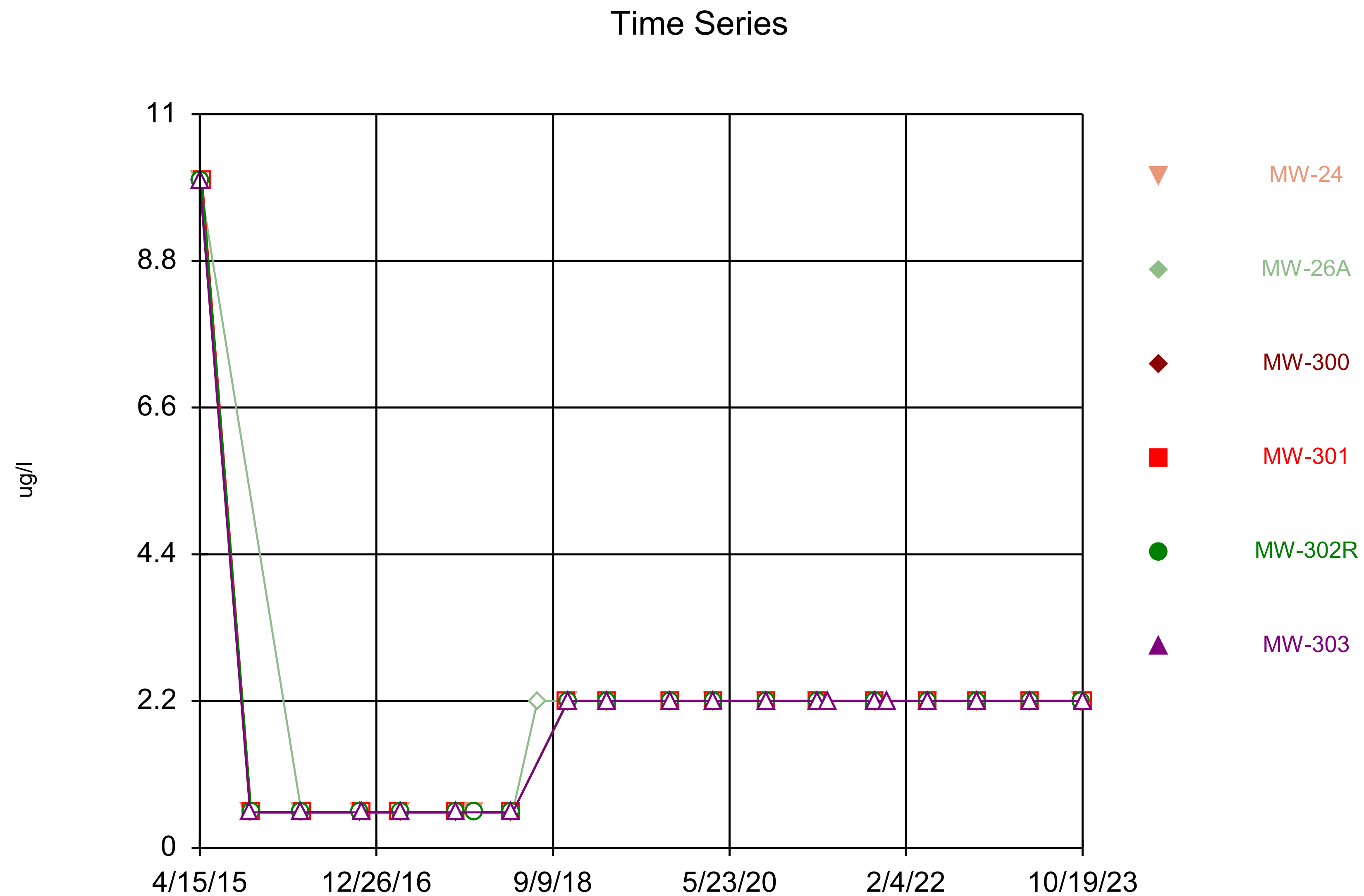
Hollow symbols indicate censored values.



Constituent: Acrylonitrile Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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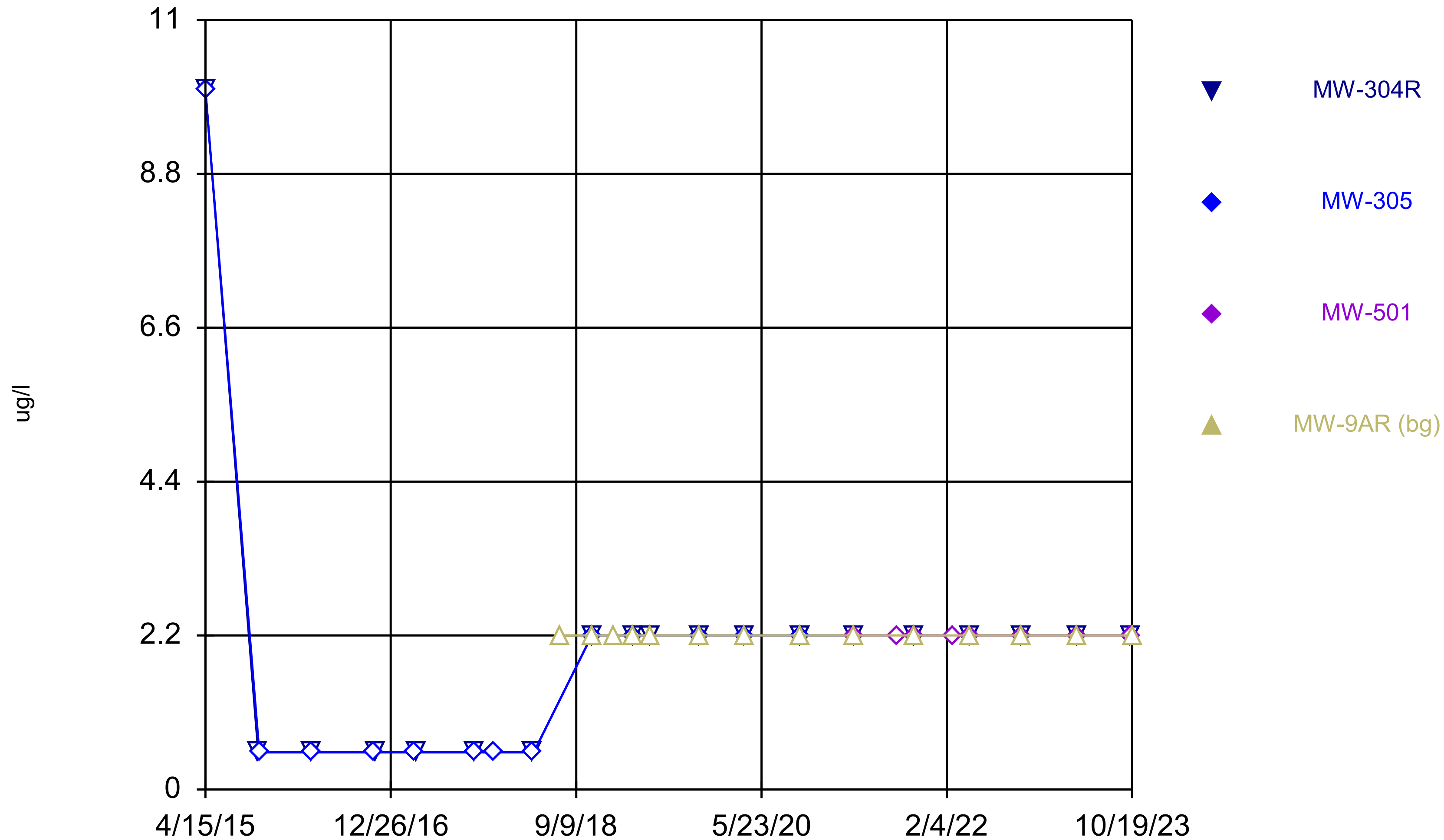
Hollow symbols indicate censored values.

Time Series



Constituent: Acrylonitrile Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
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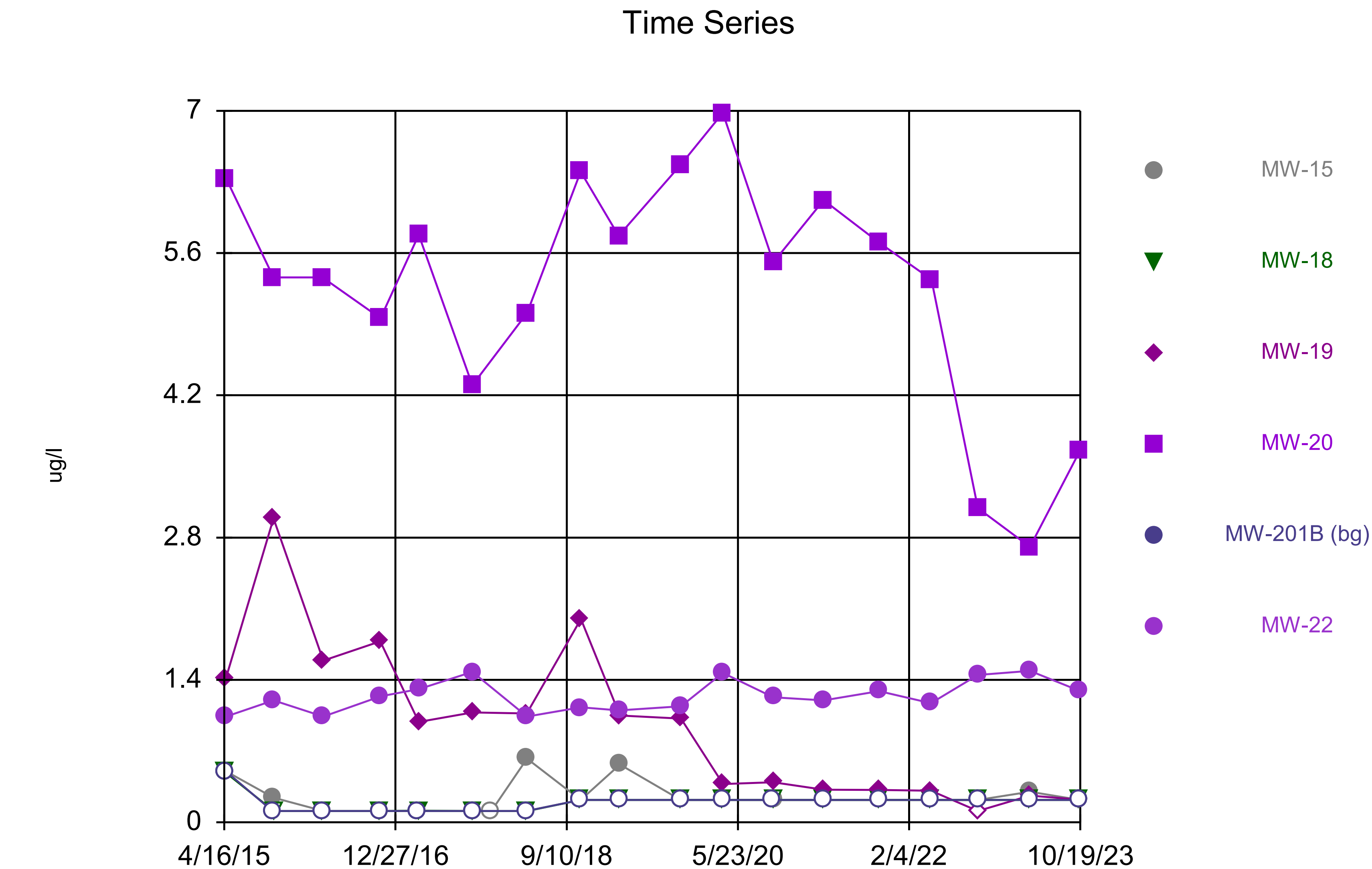
Hollow symbols indicate censored values.



Constituent: Benzene Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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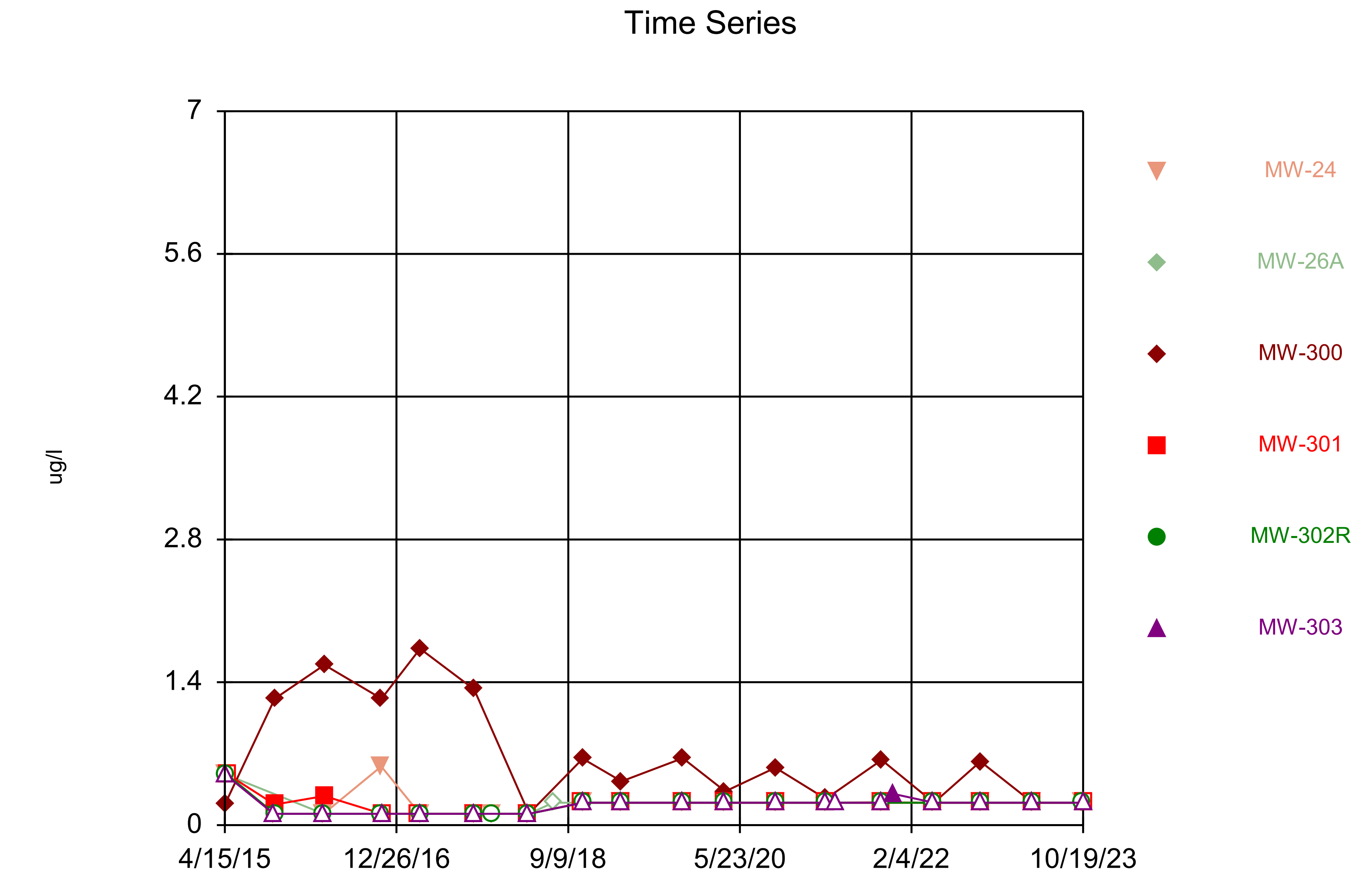

Constituent: Benzene   Analysis Run 11/20/2023 2:18 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
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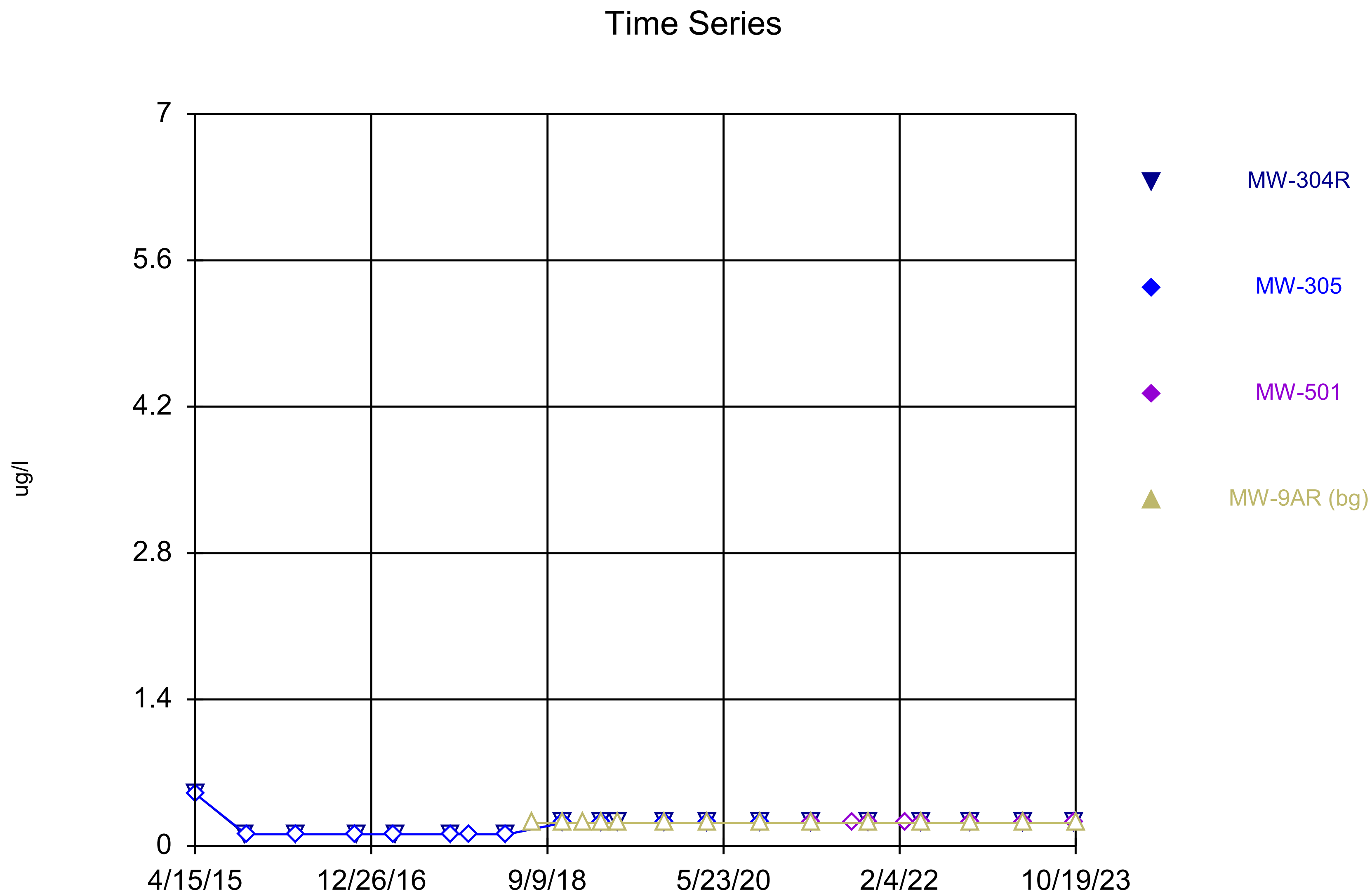

Constituent: Benzene Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
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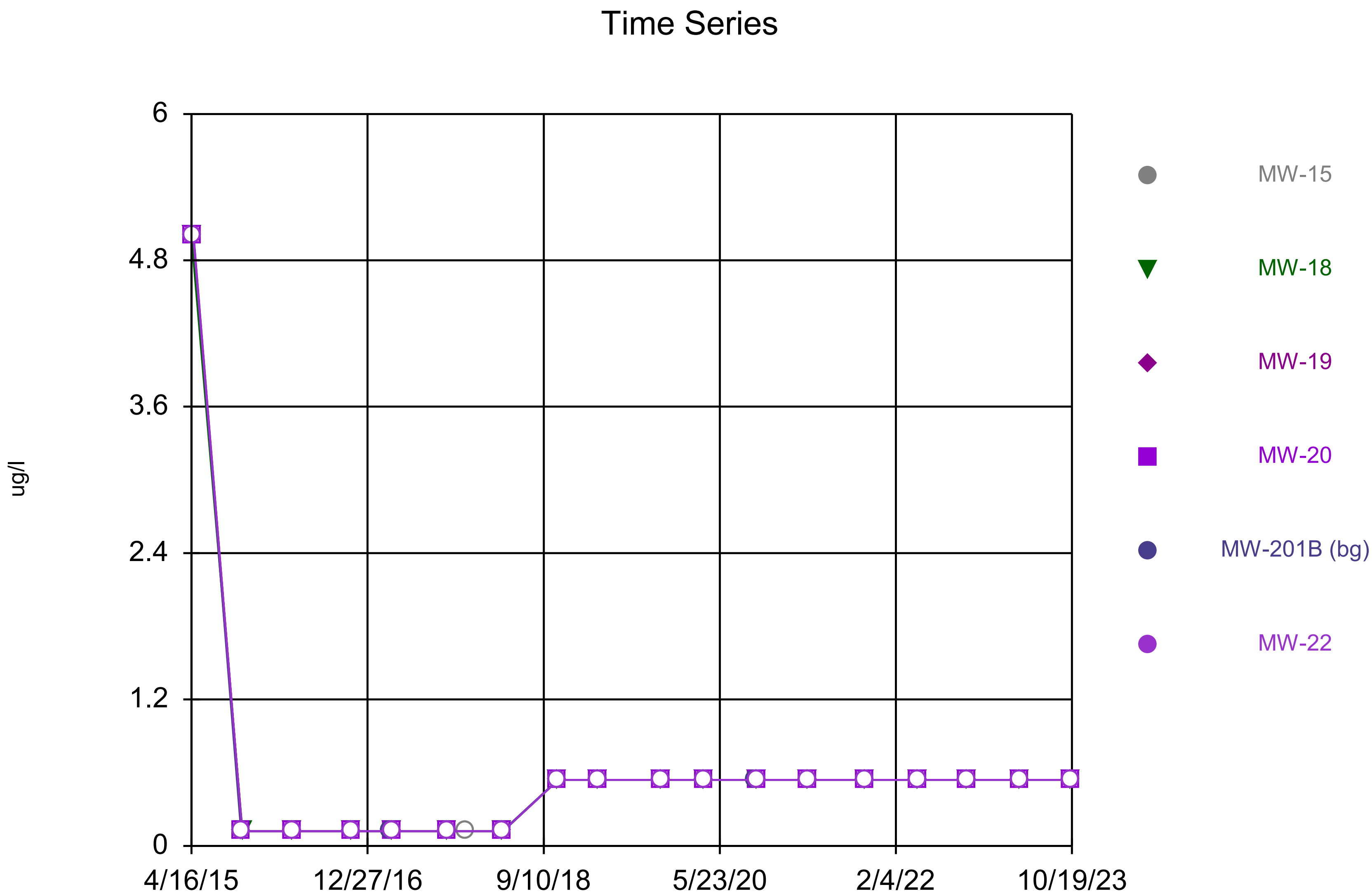

Constituent: Bromochloromethane Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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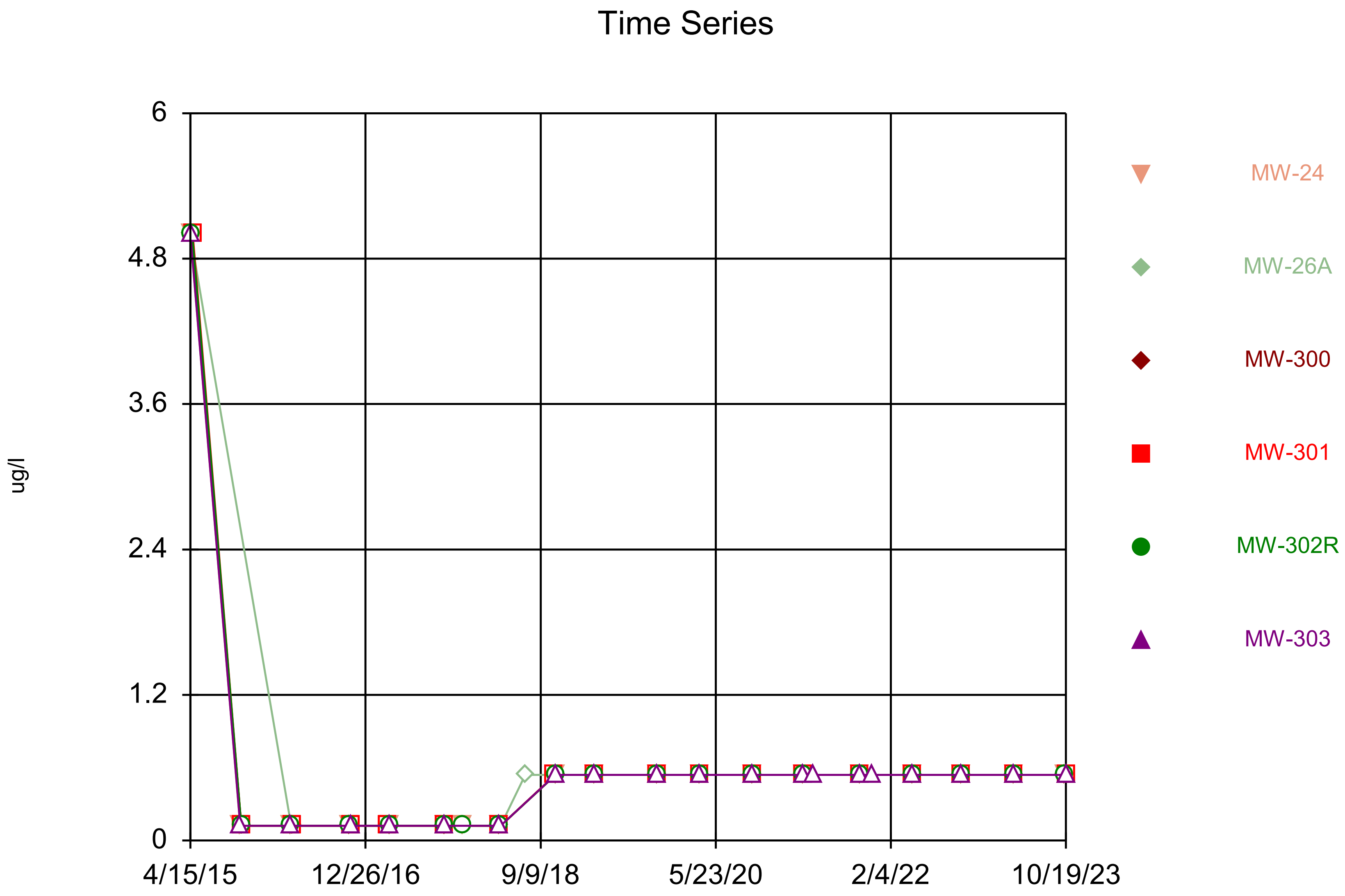
Hollow symbols indicate censored values.



Constituent: Bromochloromethane Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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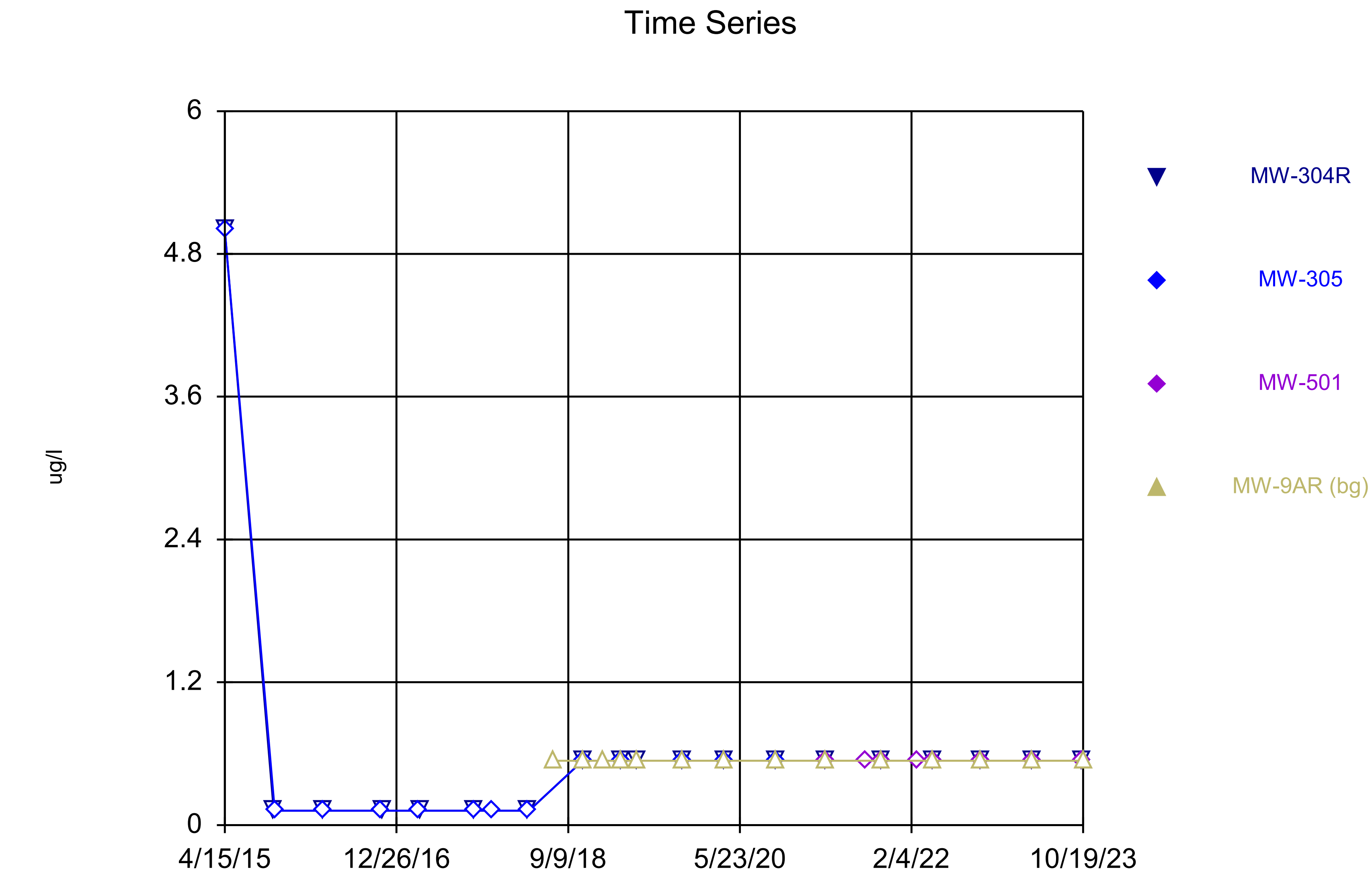

Constituent: Bromochloromethane Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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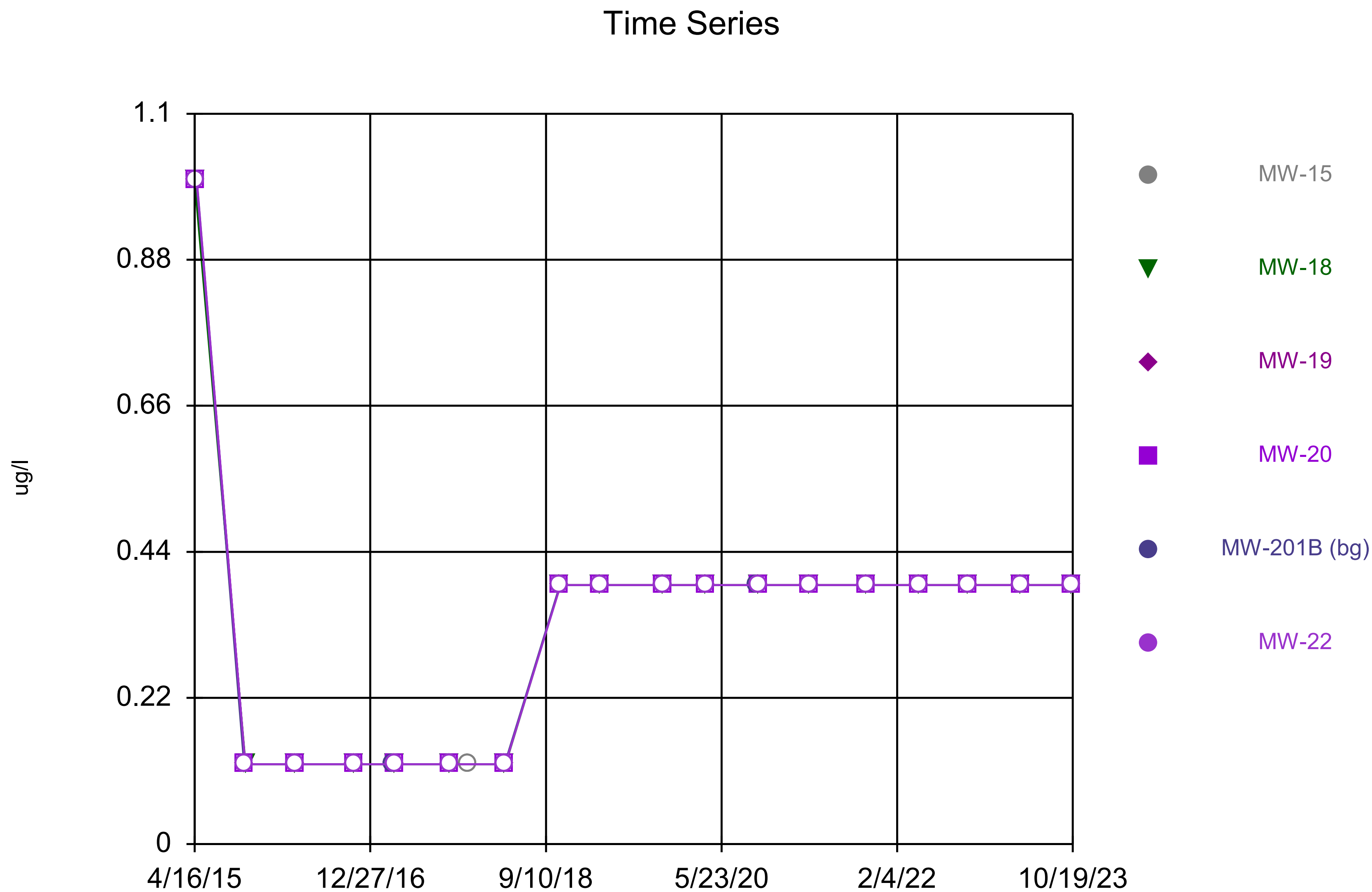

Constituent: Bromodichloromethane Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
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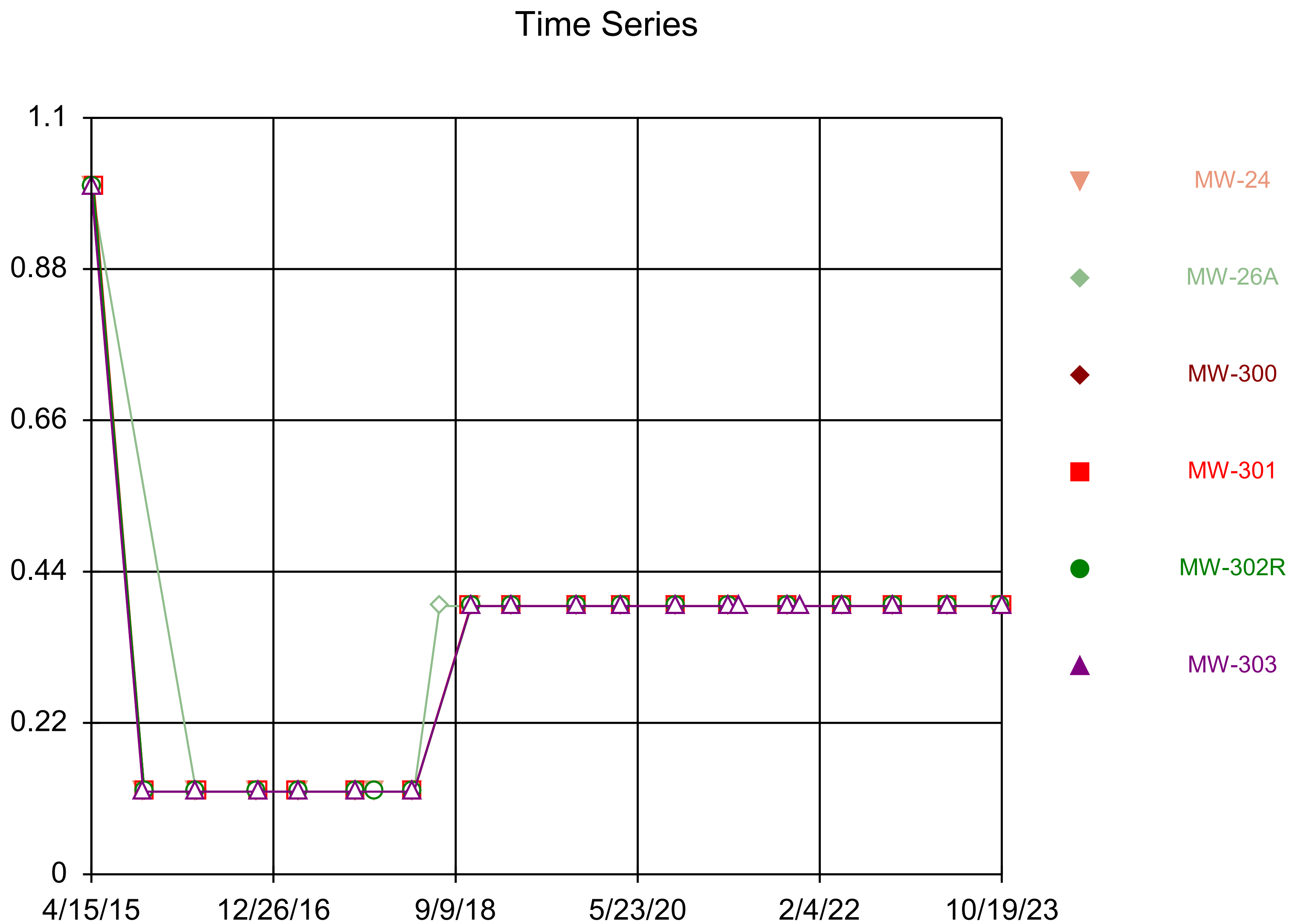
Hollow symbols indicate censored values.



Constituent: Bromodichloromethane Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
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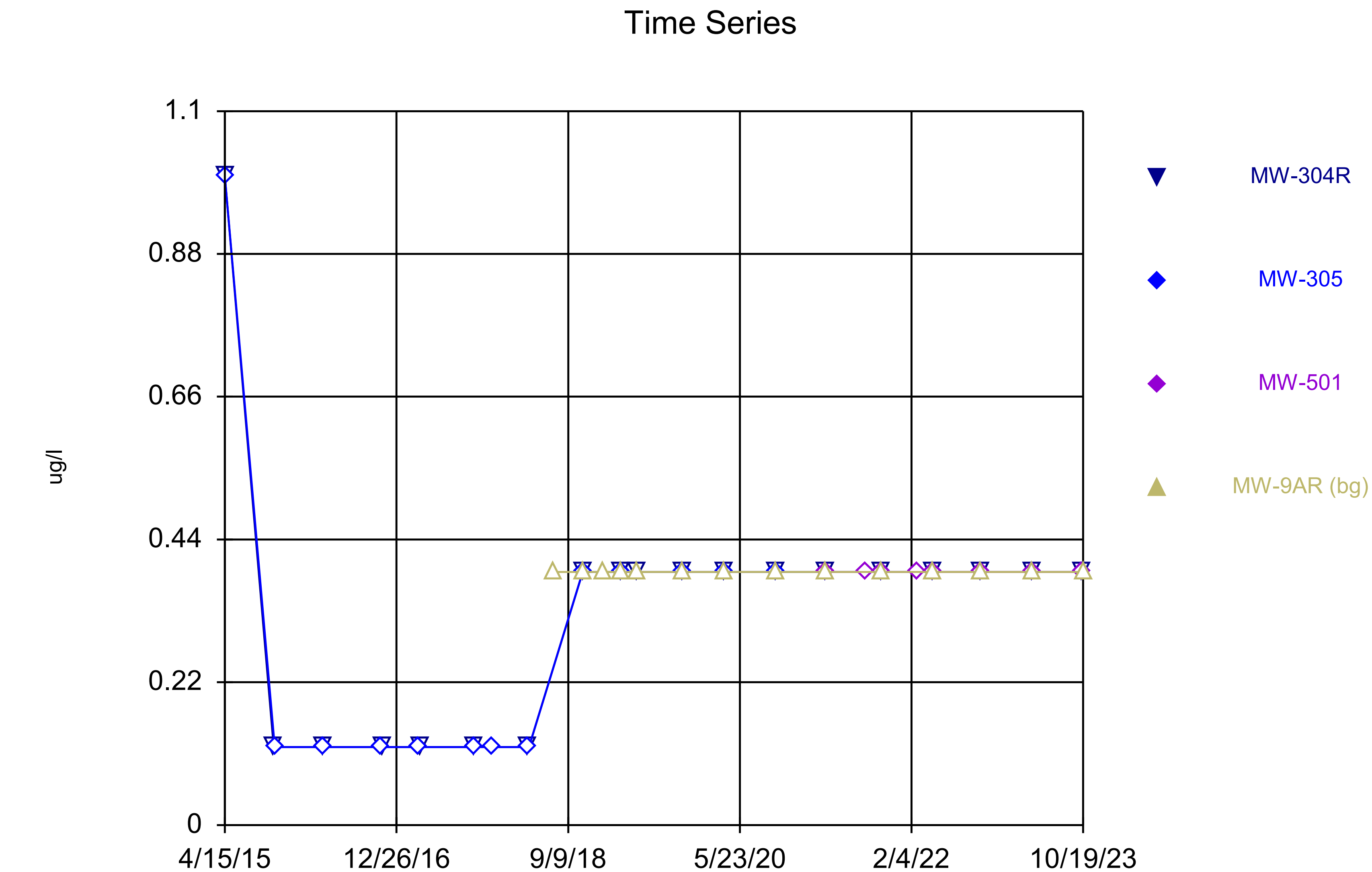

Constituent: Bromodichloromethane Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
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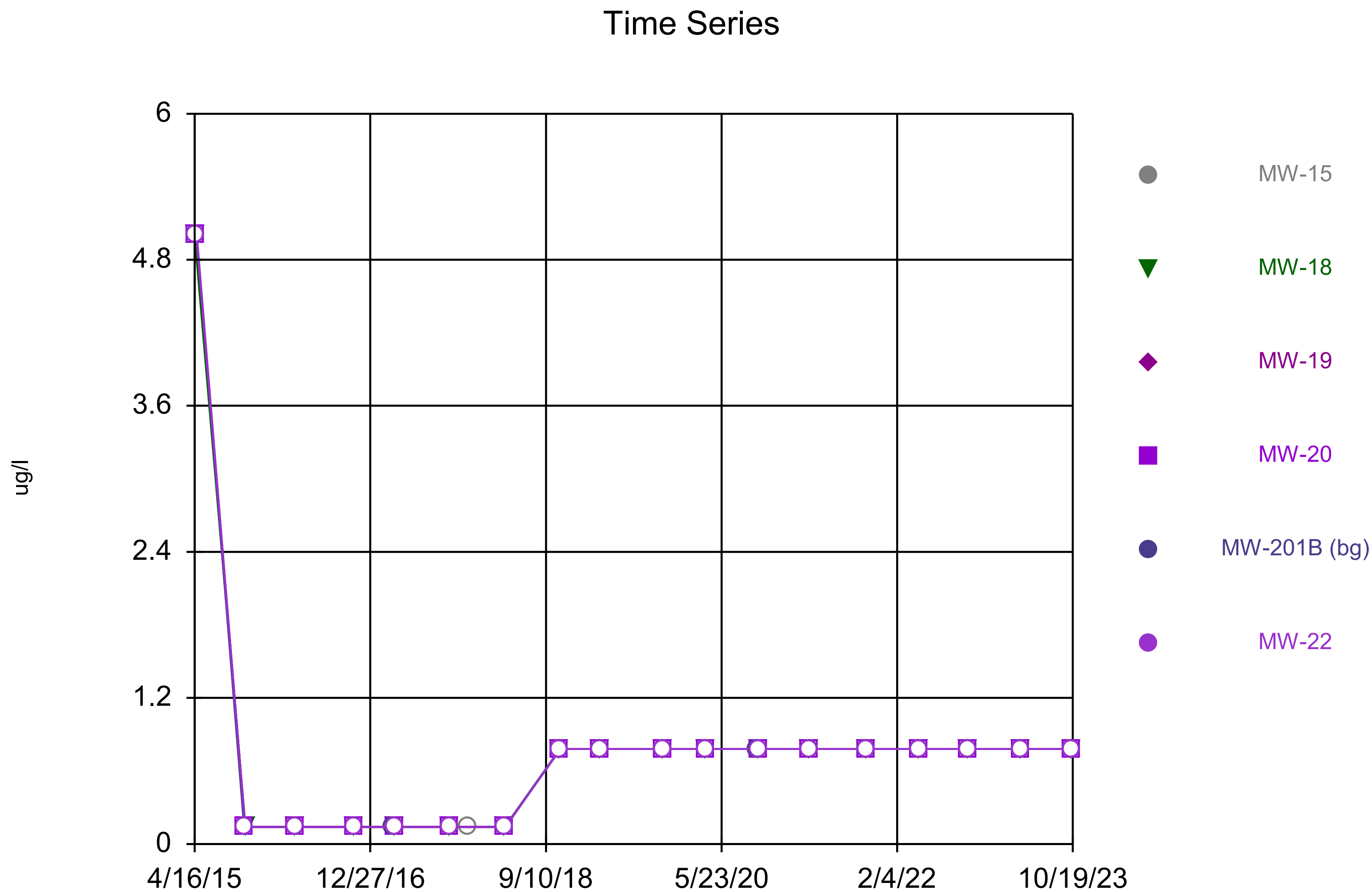

Constituent: Bromoform   Analysis Run 11/20/2023 2:18 PM   View: App I_VOCs

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
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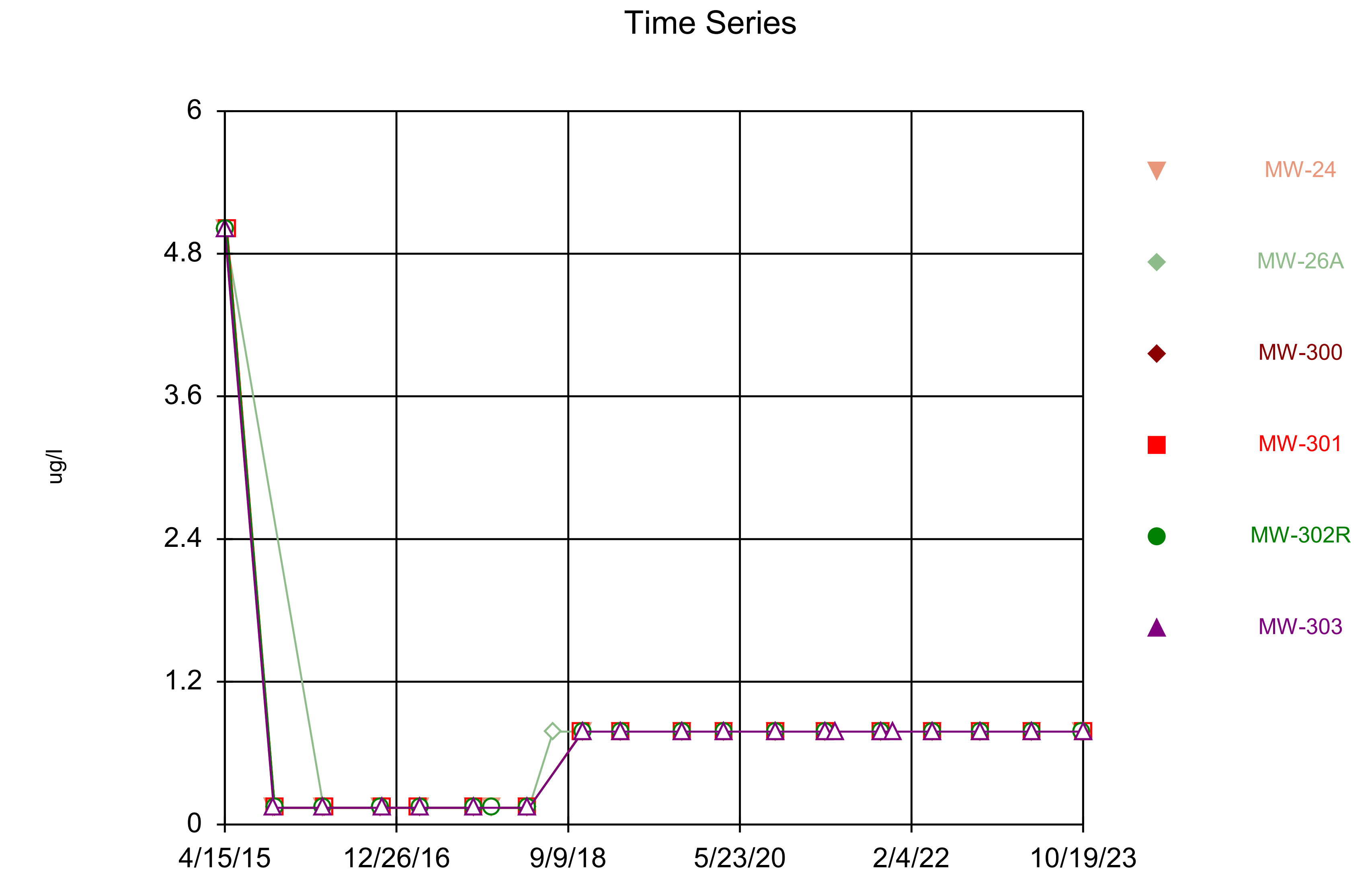

Constituent: Bromoform Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
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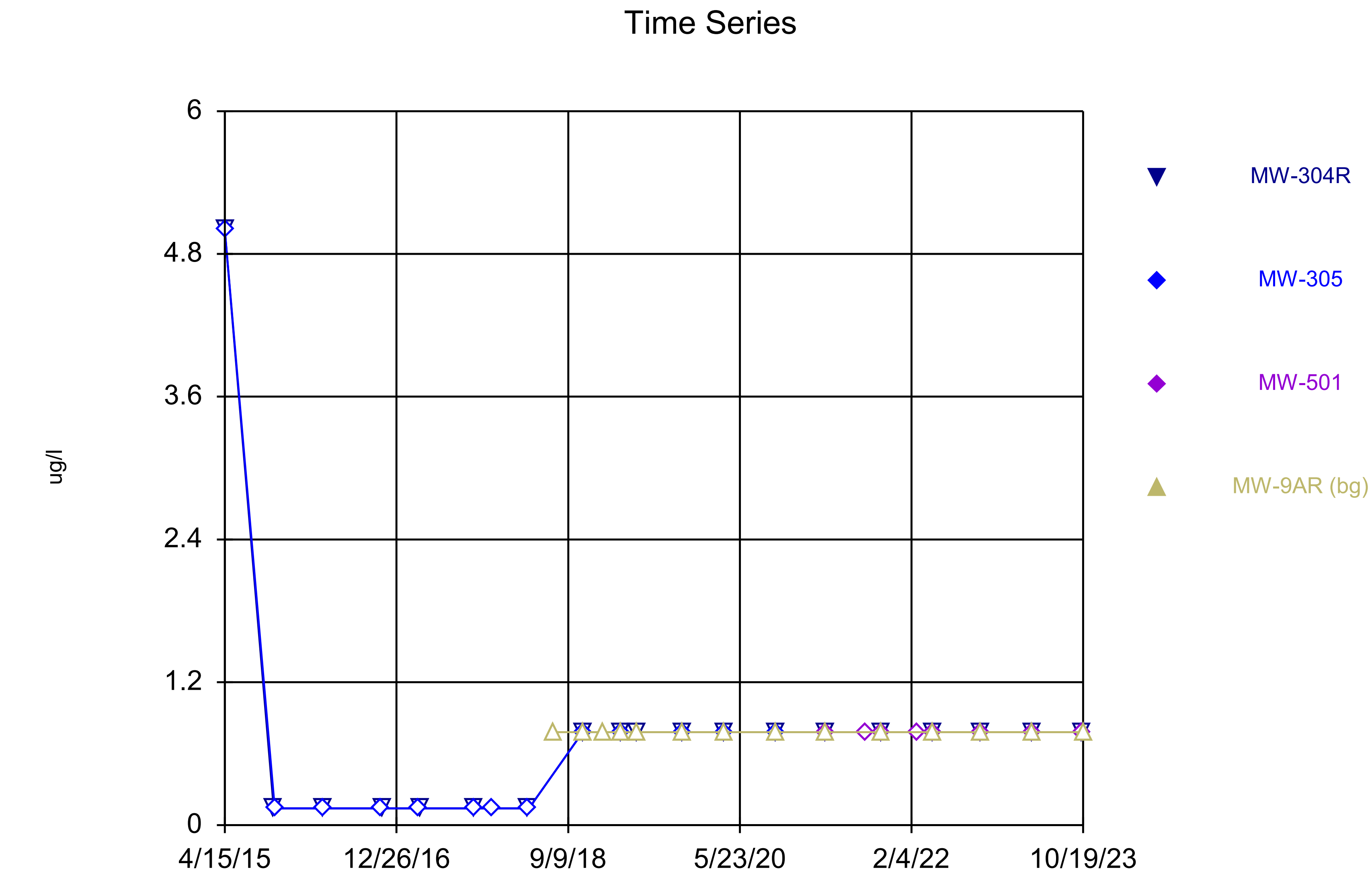

Constituent: Bromoform Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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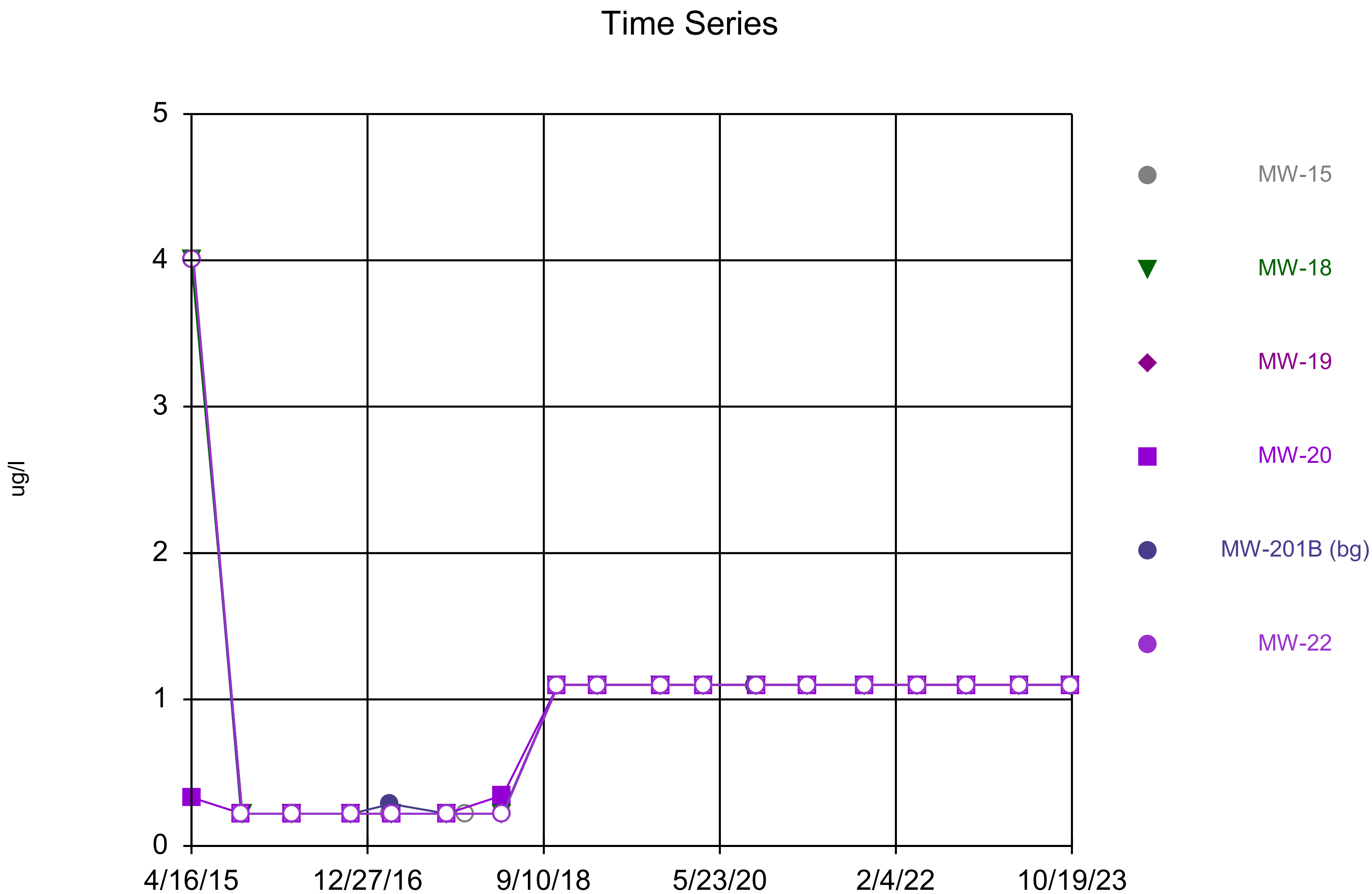

Constituent: Bromomethane Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
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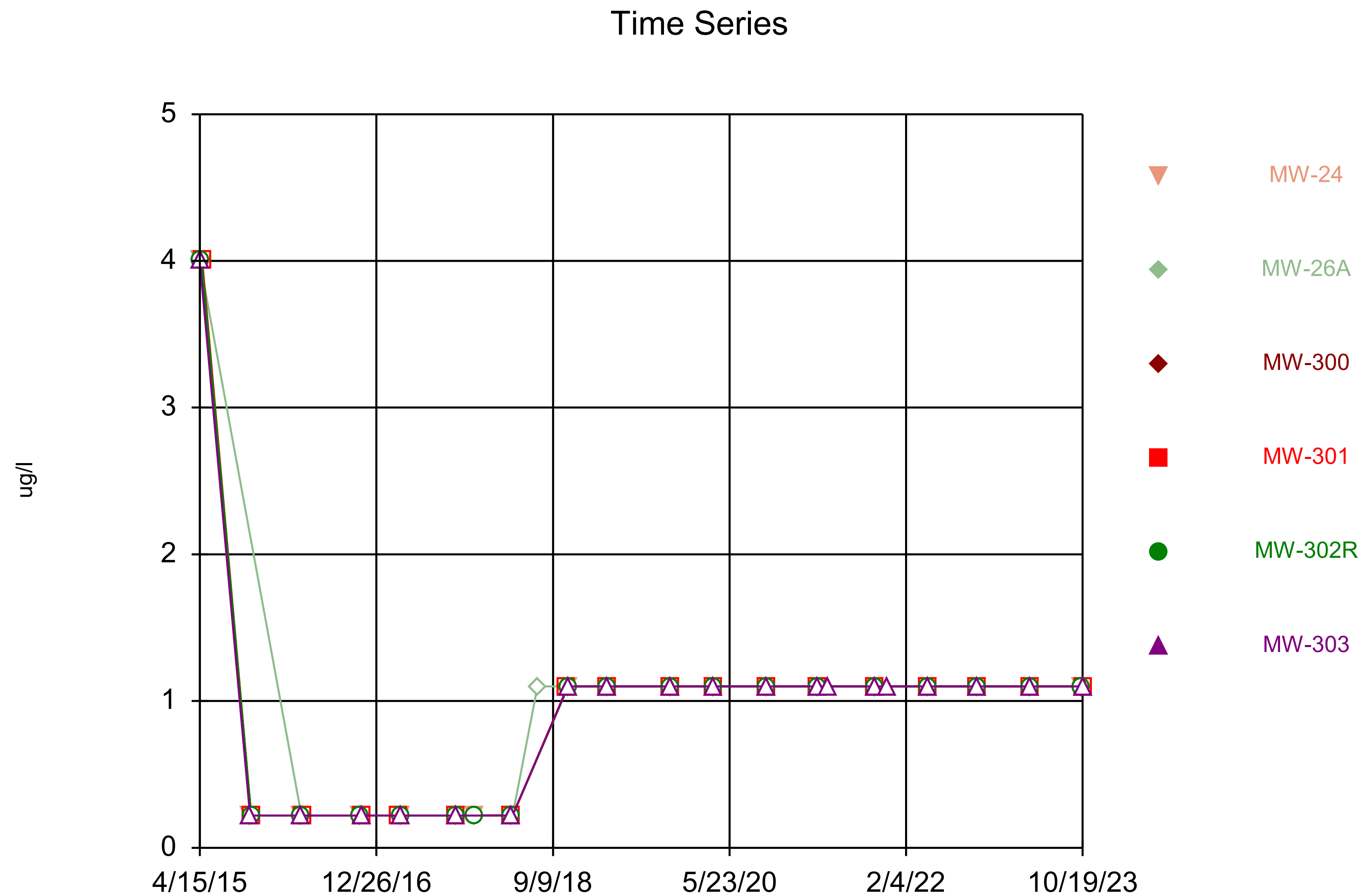

Constituent: Bromomethane Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
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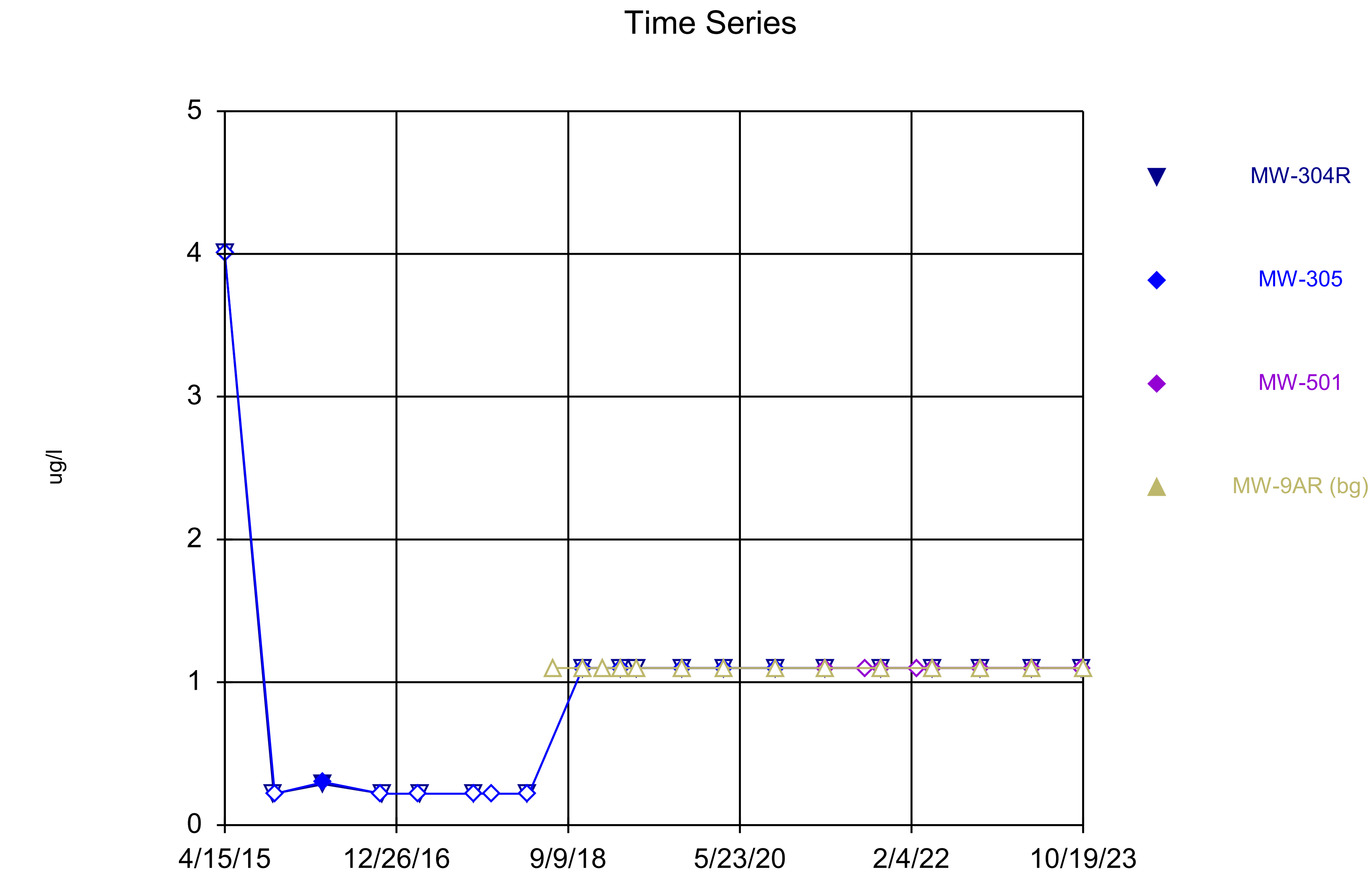

Constituent: Bromomethane Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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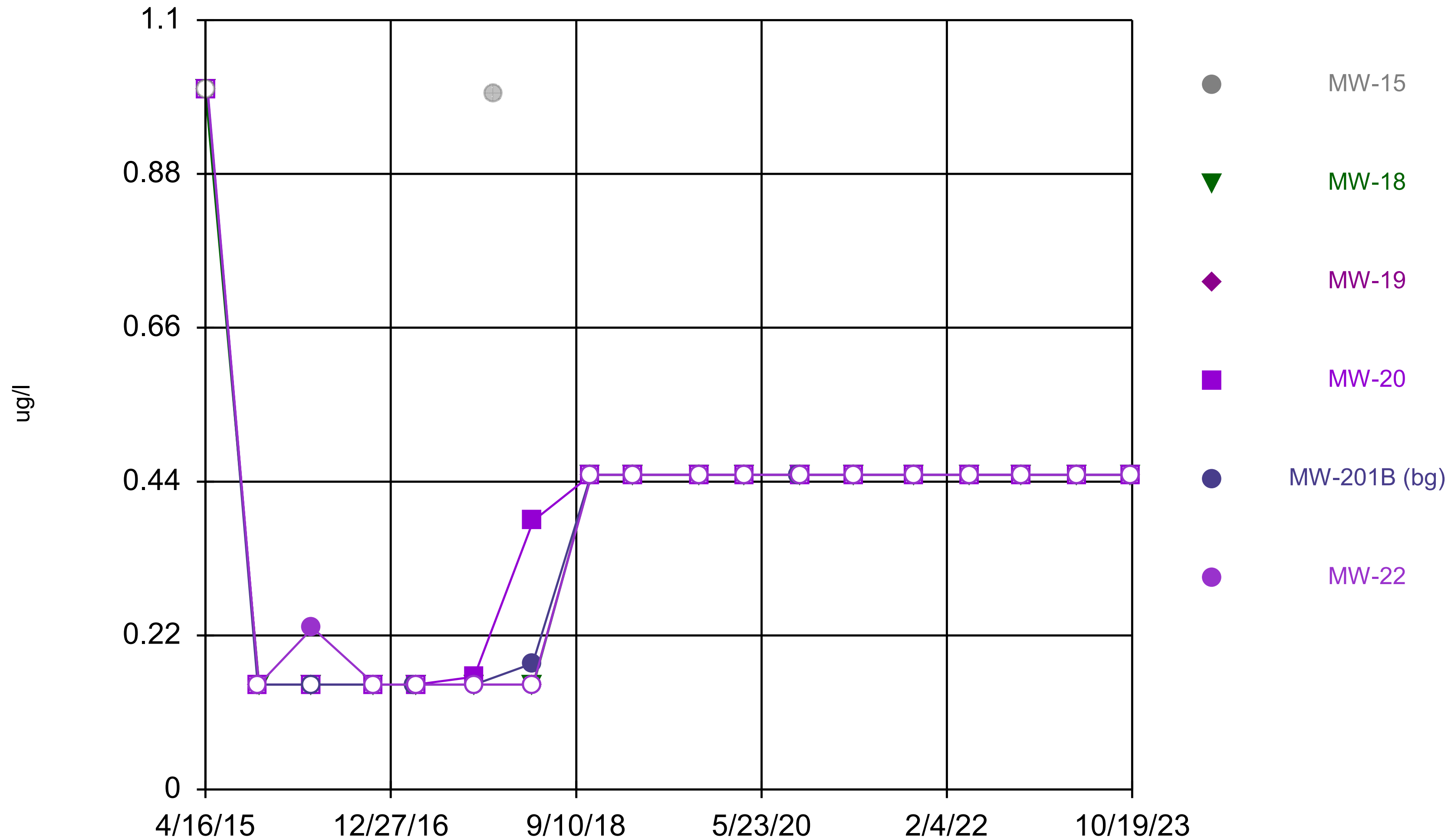
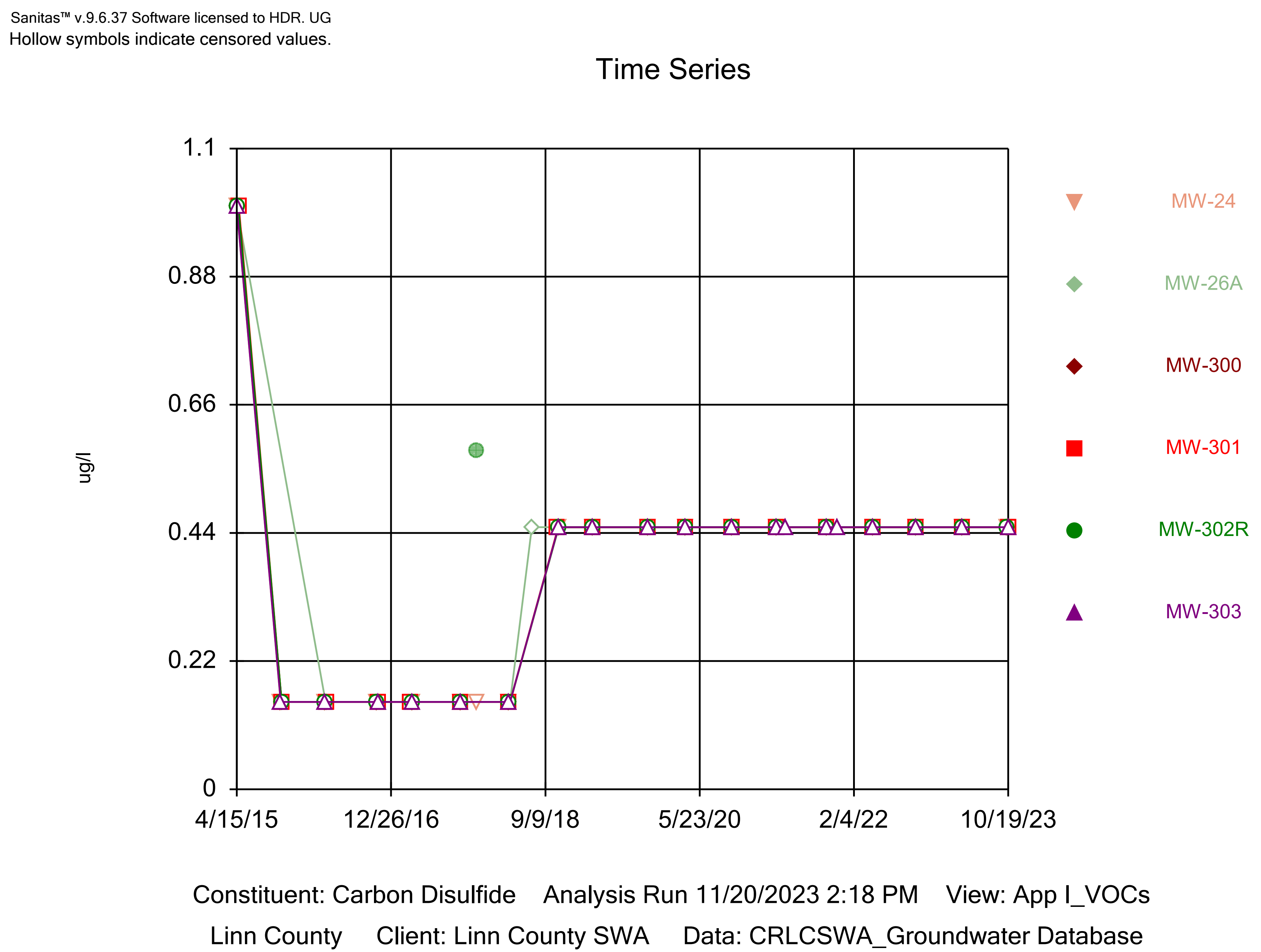
Time Series



Constituent: Carbon Disulfide   Analysis Run 11/20/2023 2:18 PM   View: App I_VOCs

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database



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Hollow symbols indicate censored values.
Time Series
ug/l
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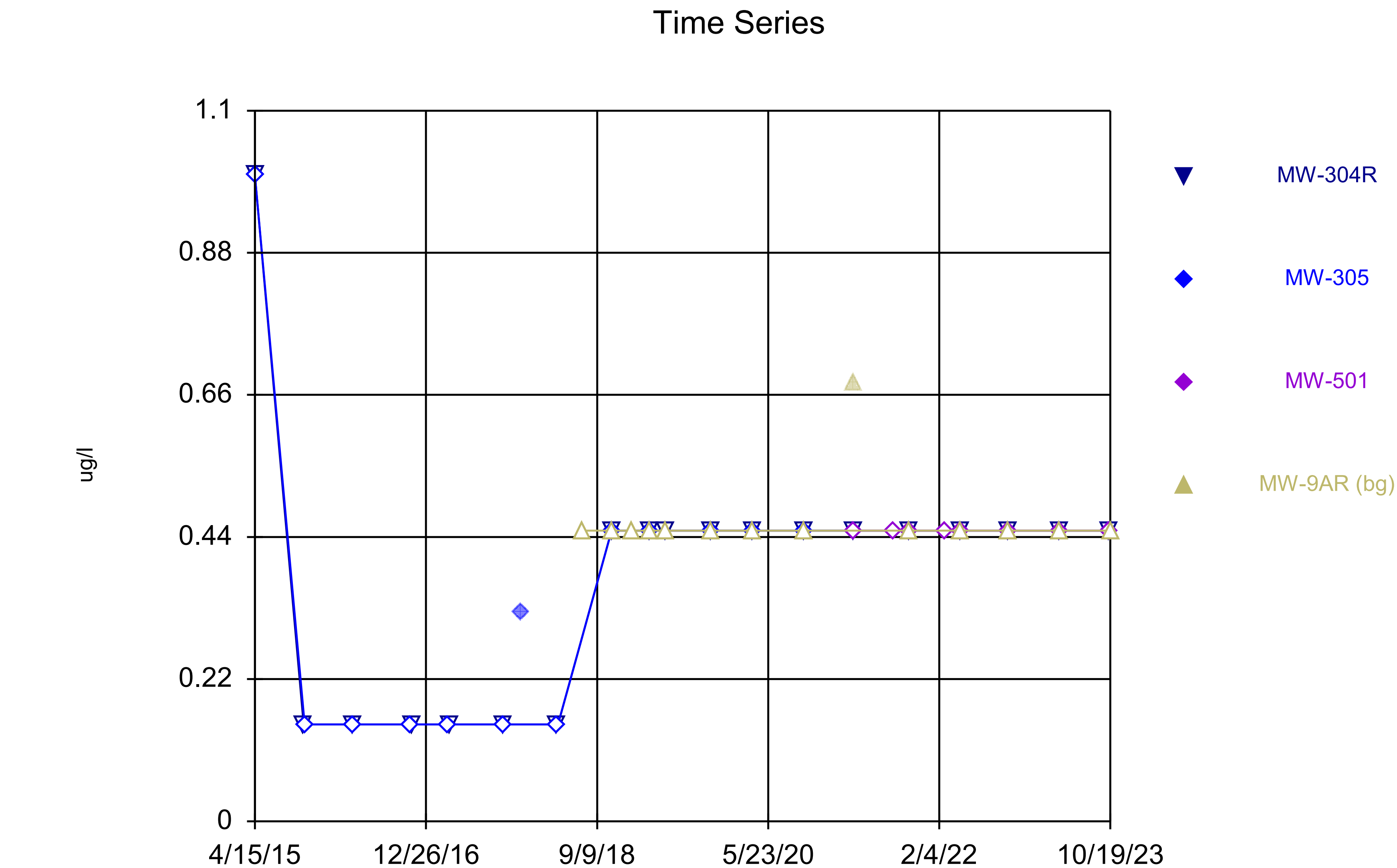
0.88
0.66
0.44
0.22
0
4/15/15
12/26/16
9/9/18
5/23/20
2/4/22
10/19/23
MW-24
MW-26A
MW-300
MW-301
MW-302R
MW-303
Constituent: Carbon Disulfide Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Carbon Disulfide Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
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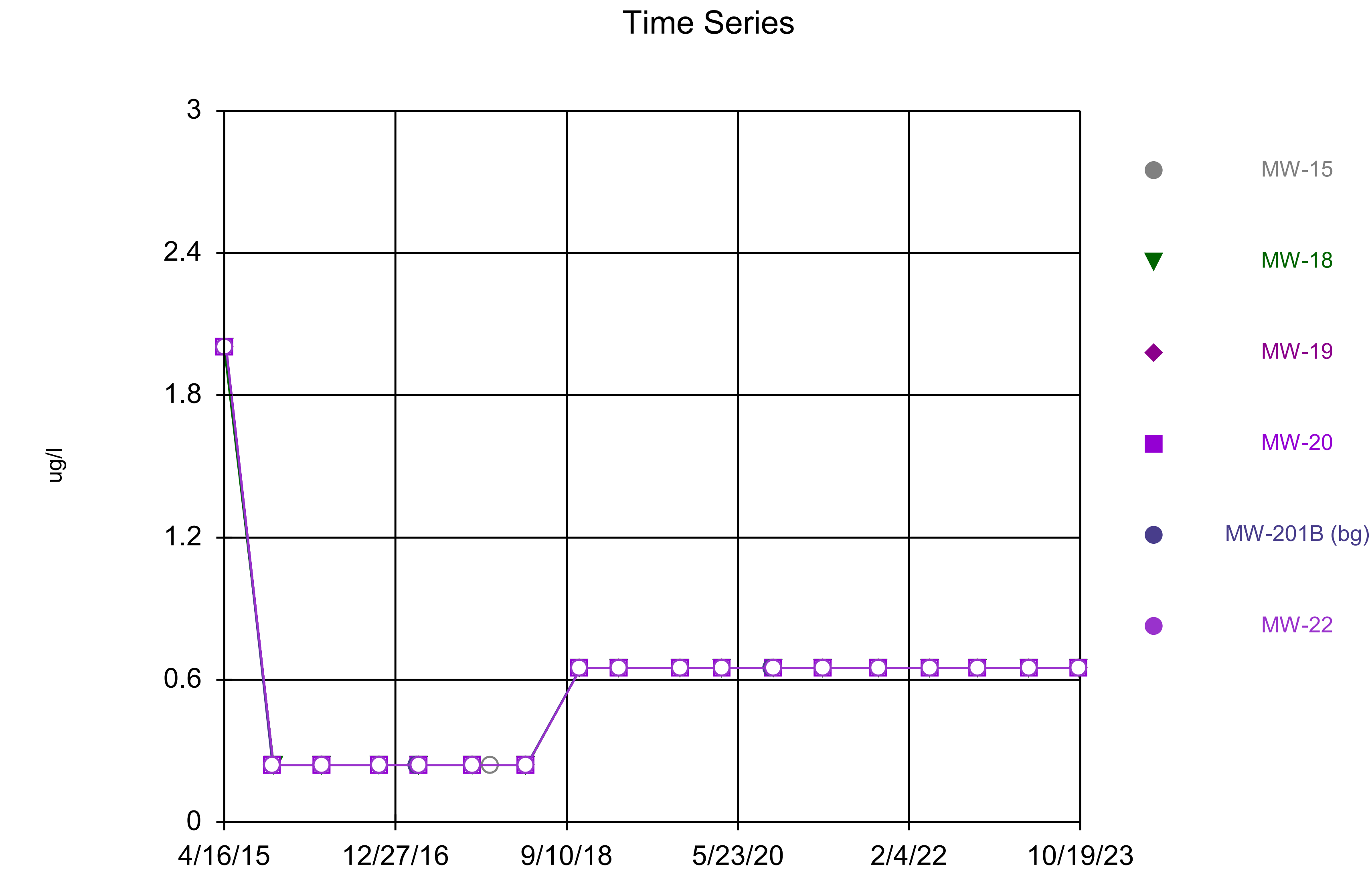

Constituent: Carbon Tetrachloride Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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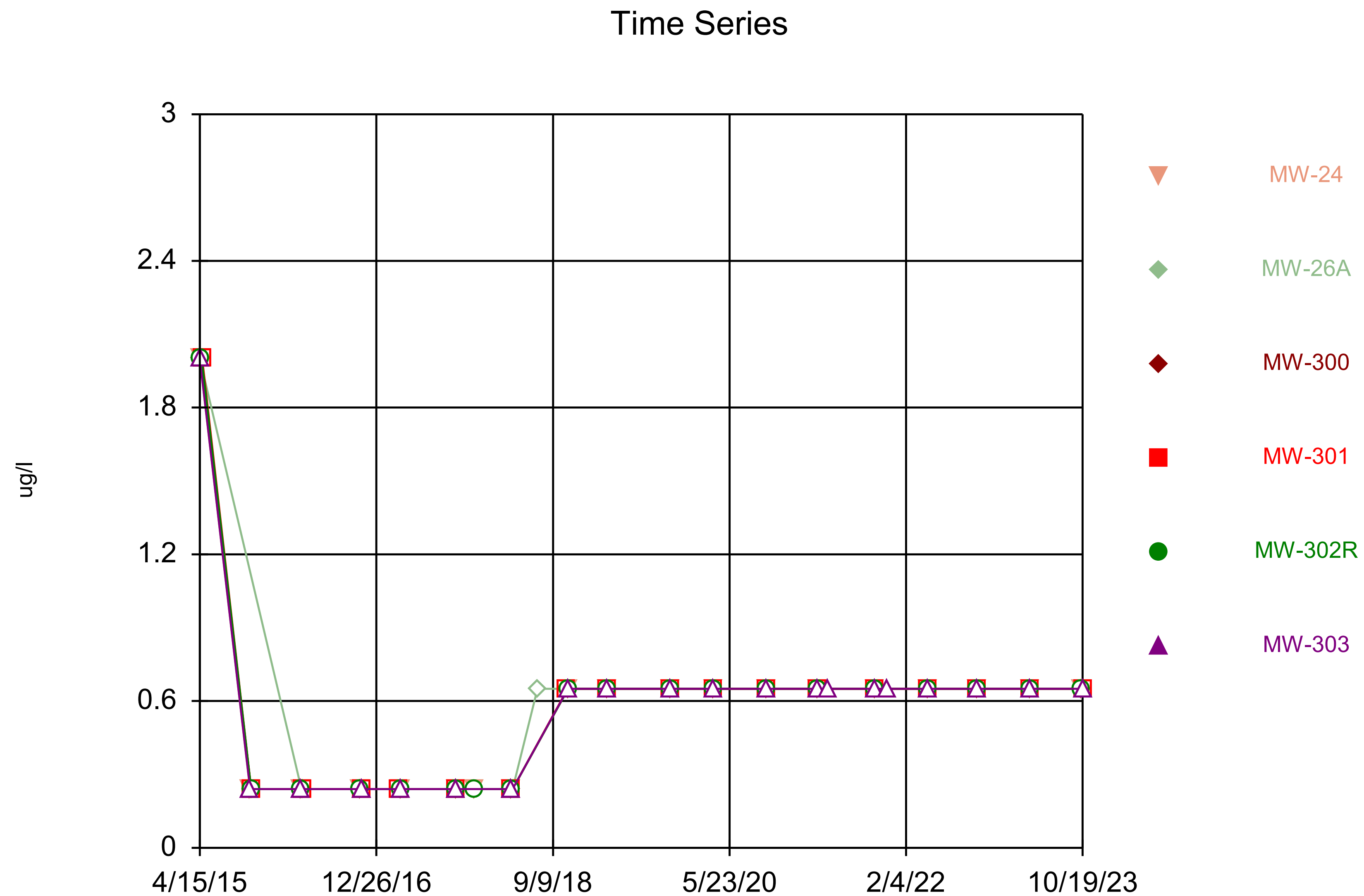
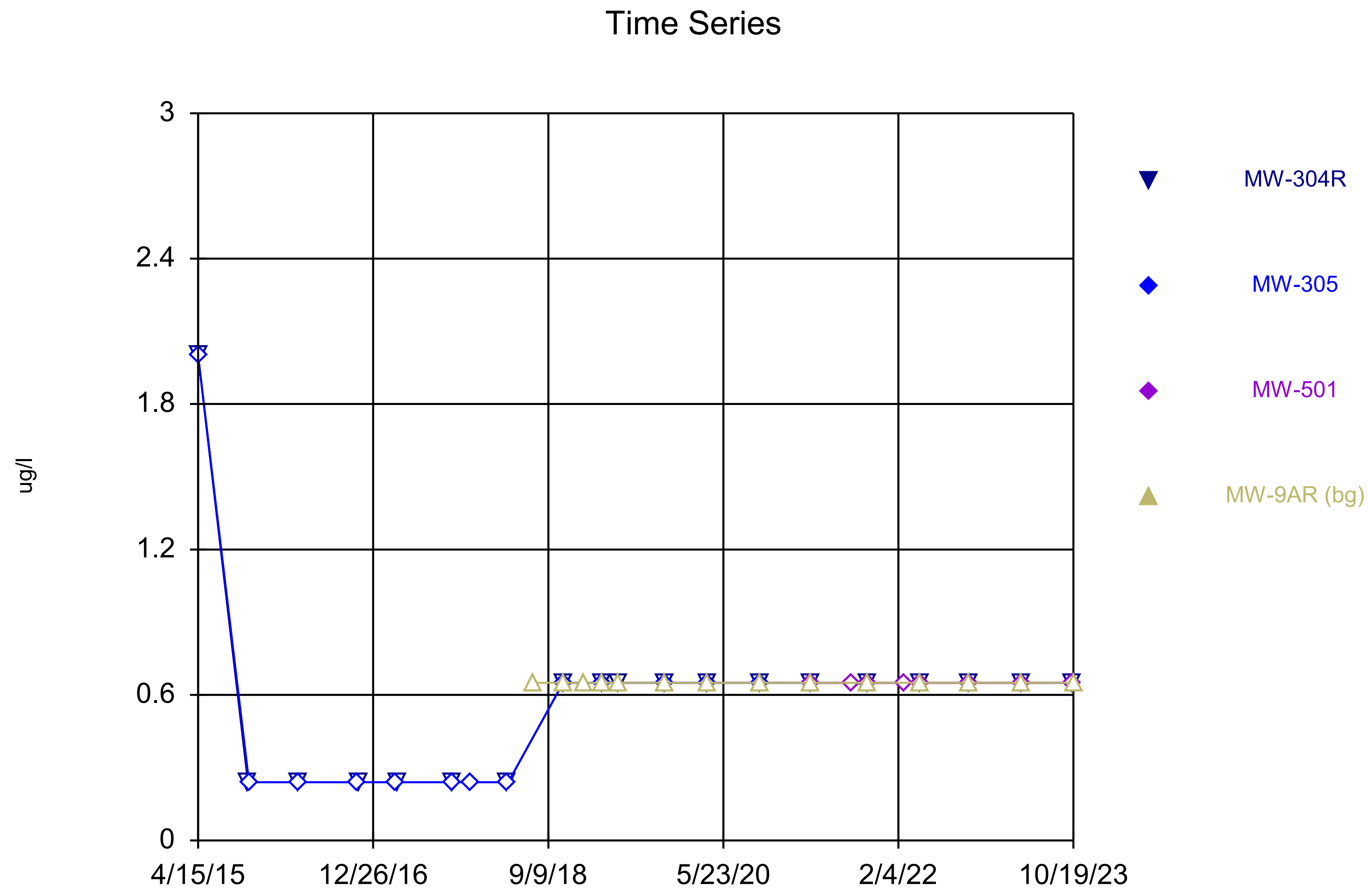
Hollow symbols indicate censored values.



Constituent: Carbon Tetrachloride   Analysis Run 11/20/2023 2:18 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

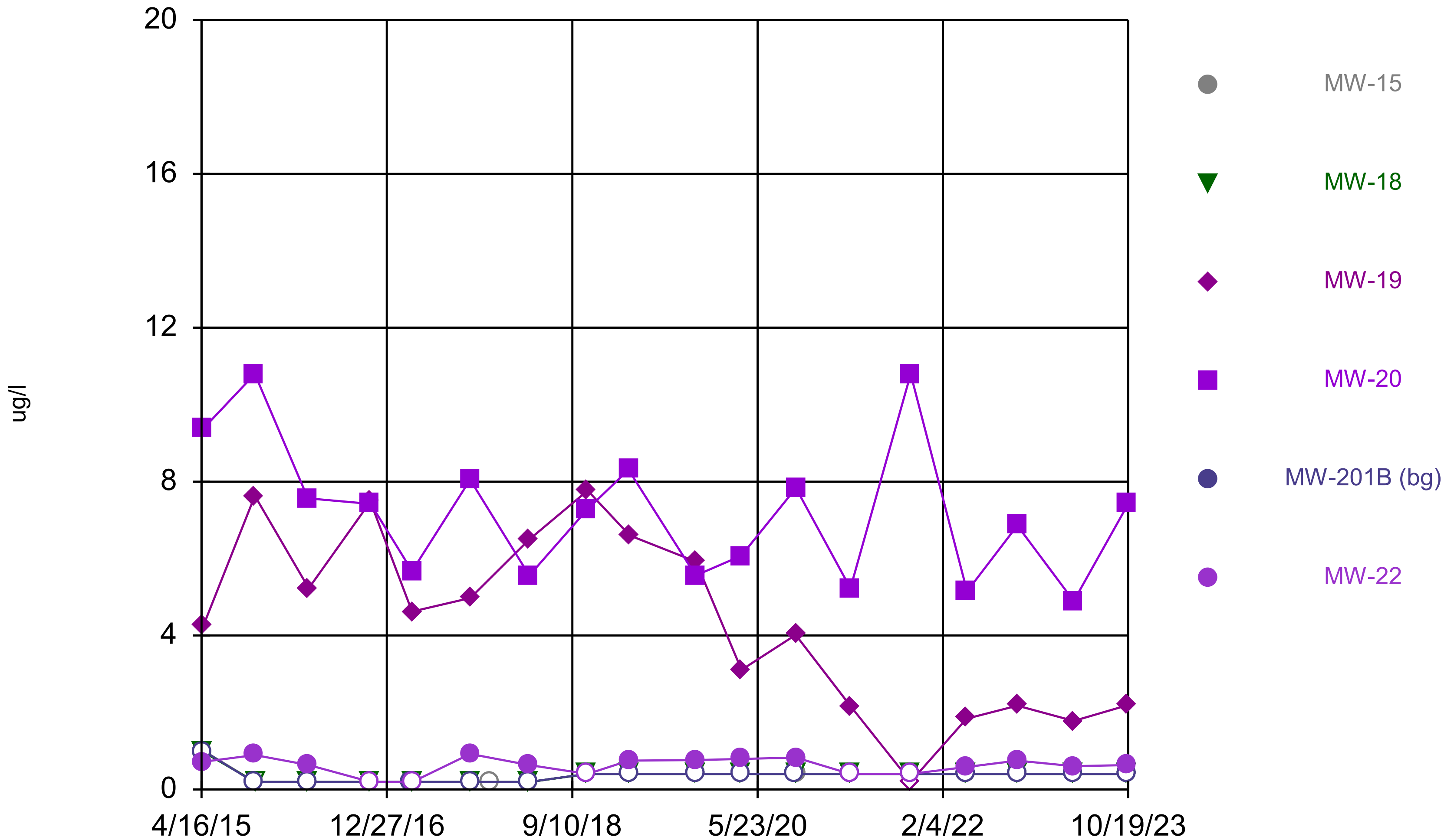
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Carbon Tetrachloride Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

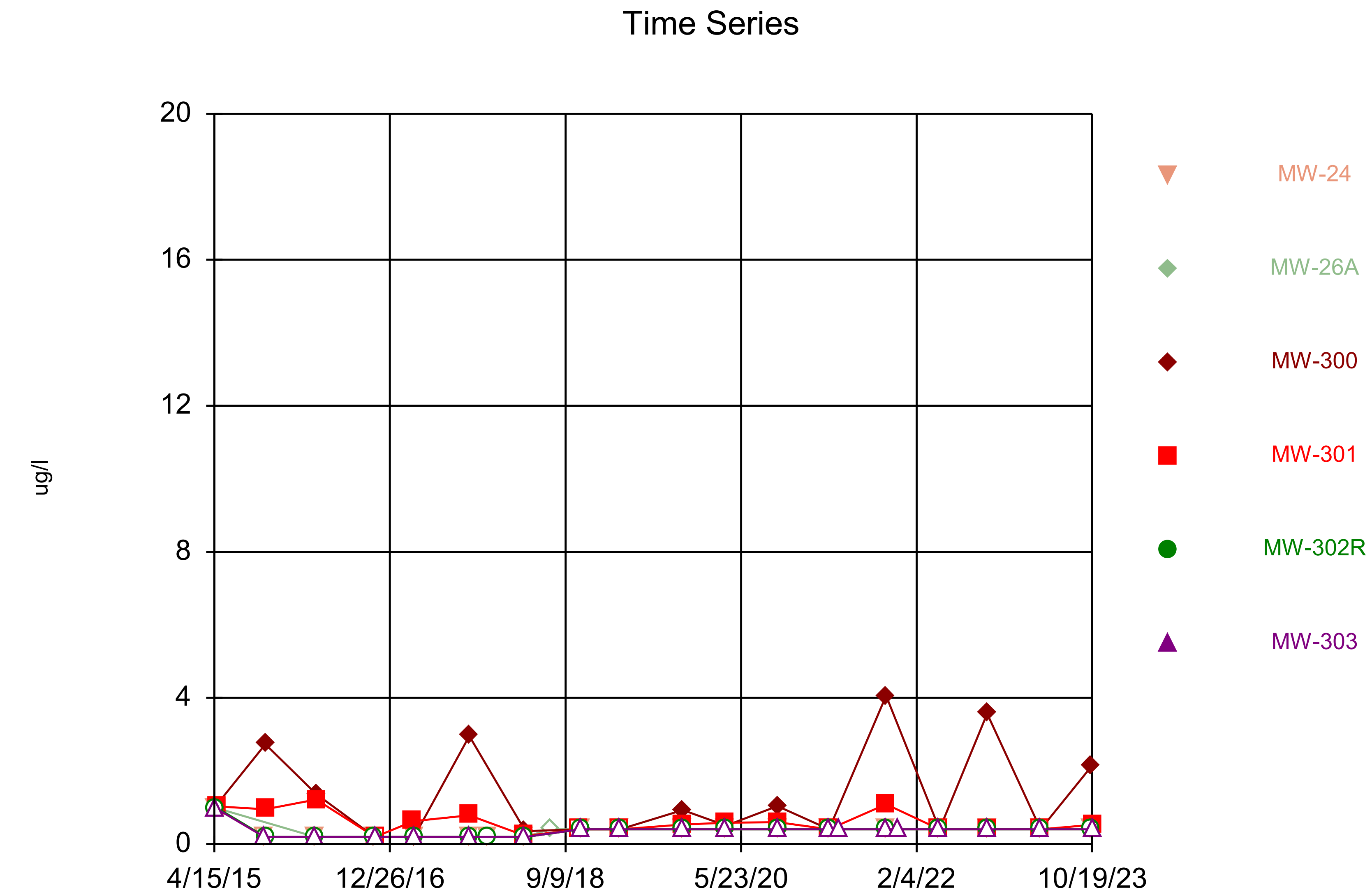
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Chlorobenzene   Analysis Run 11/20/2023 2:18 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Chlorobenzene   Analysis Run 11/20/2023 2:18 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
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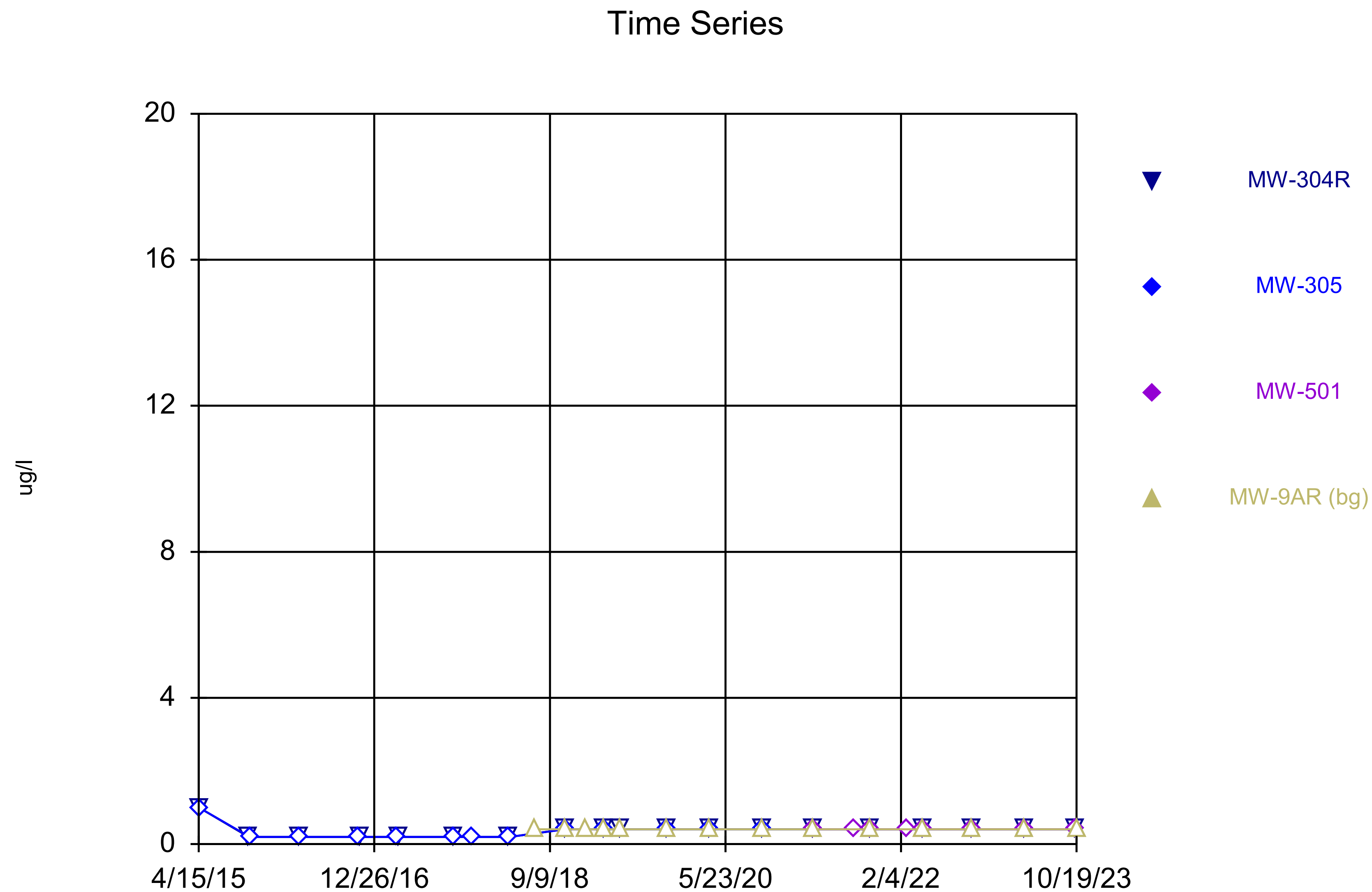
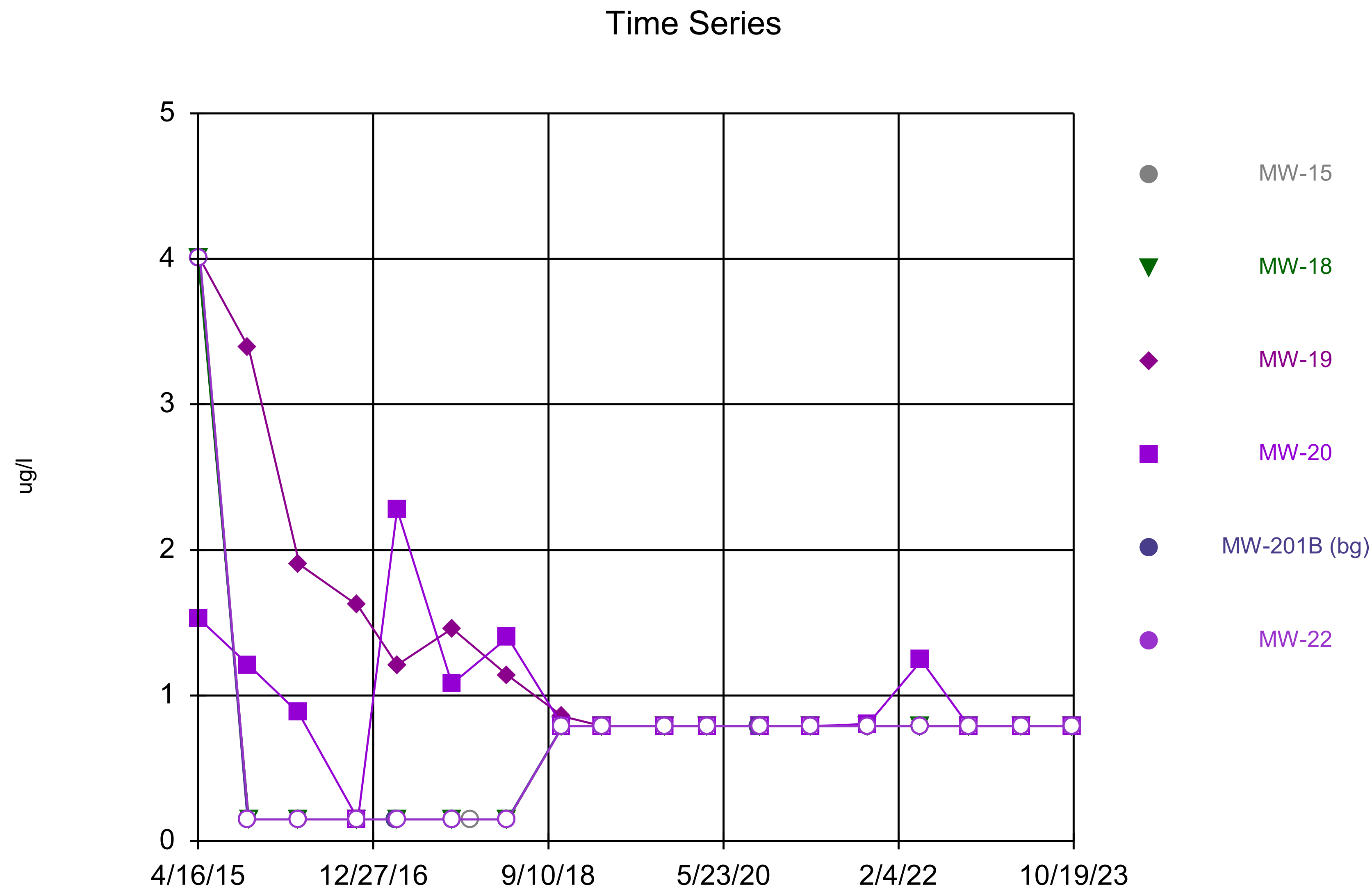


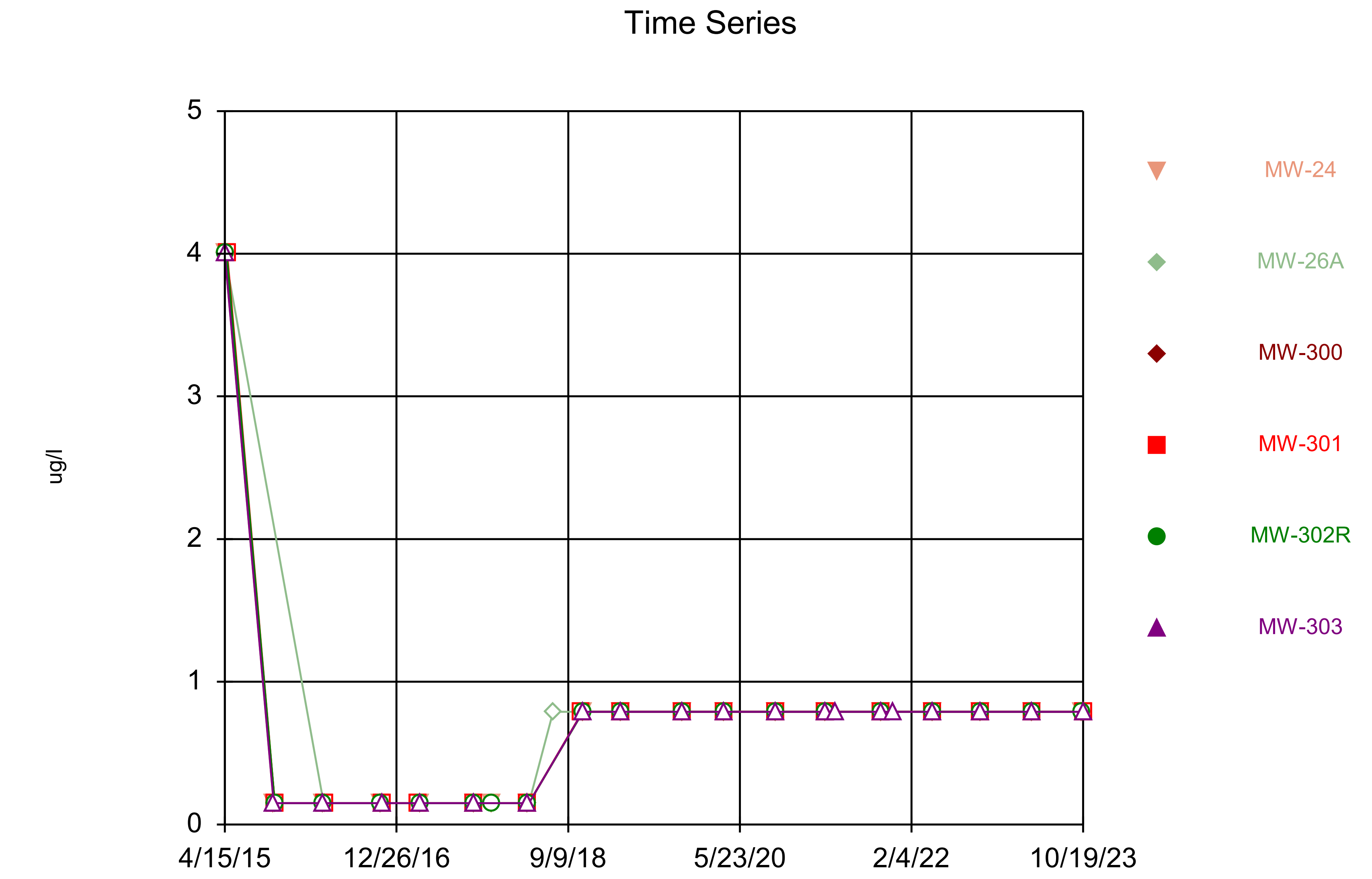
Constituent: Chlorobenzene Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



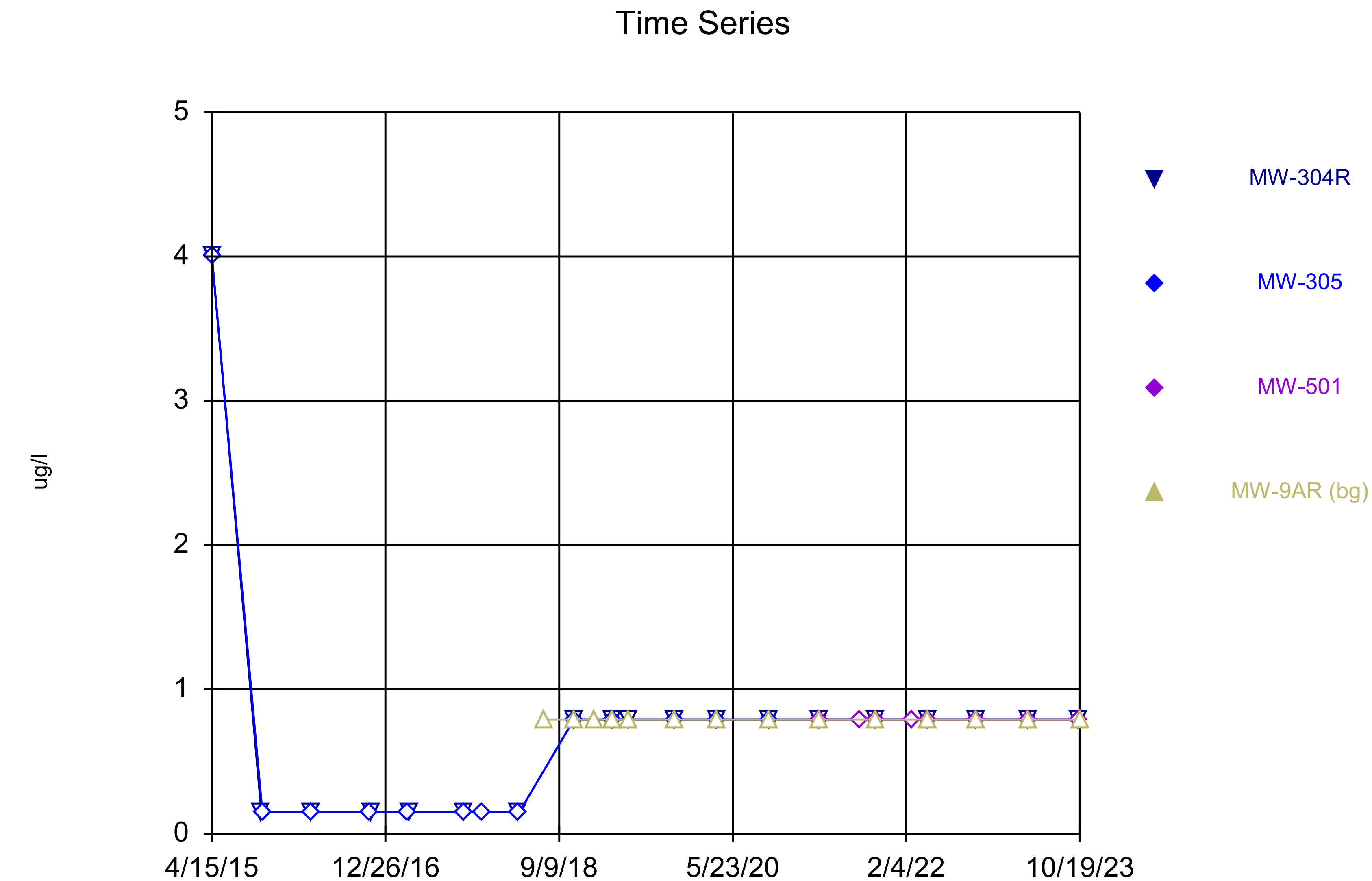
Constituent: Chloroethane   Analysis Run 11/20/2023 2:18 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Chloroethane   Analysis Run 11/20/2023 2:18 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Chloroethane Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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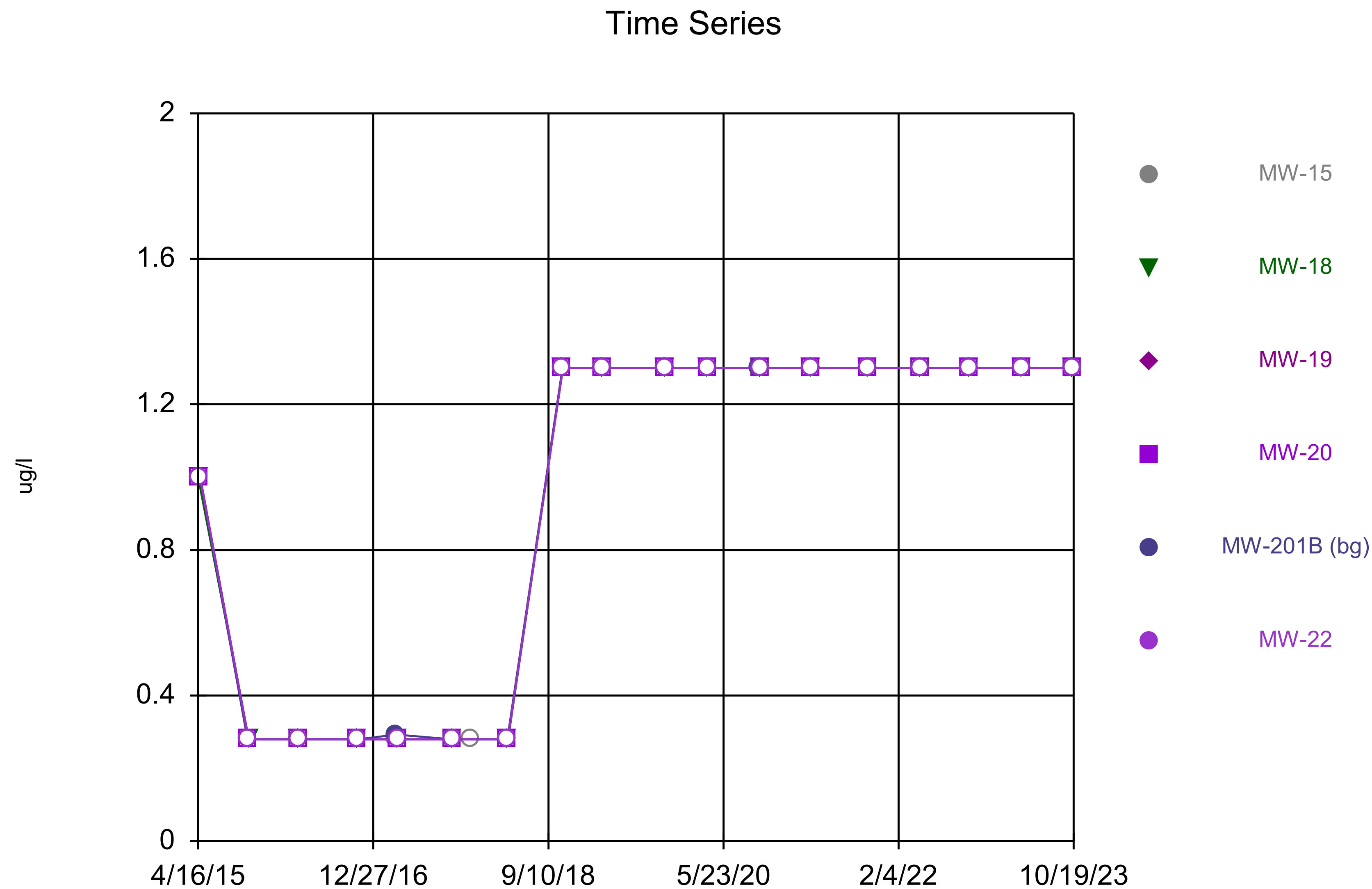
Hollow symbols indicate censored values.



Constituent: Chloroform   Analysis Run 11/20/2023 2:18 PM   View: App I_VOCs
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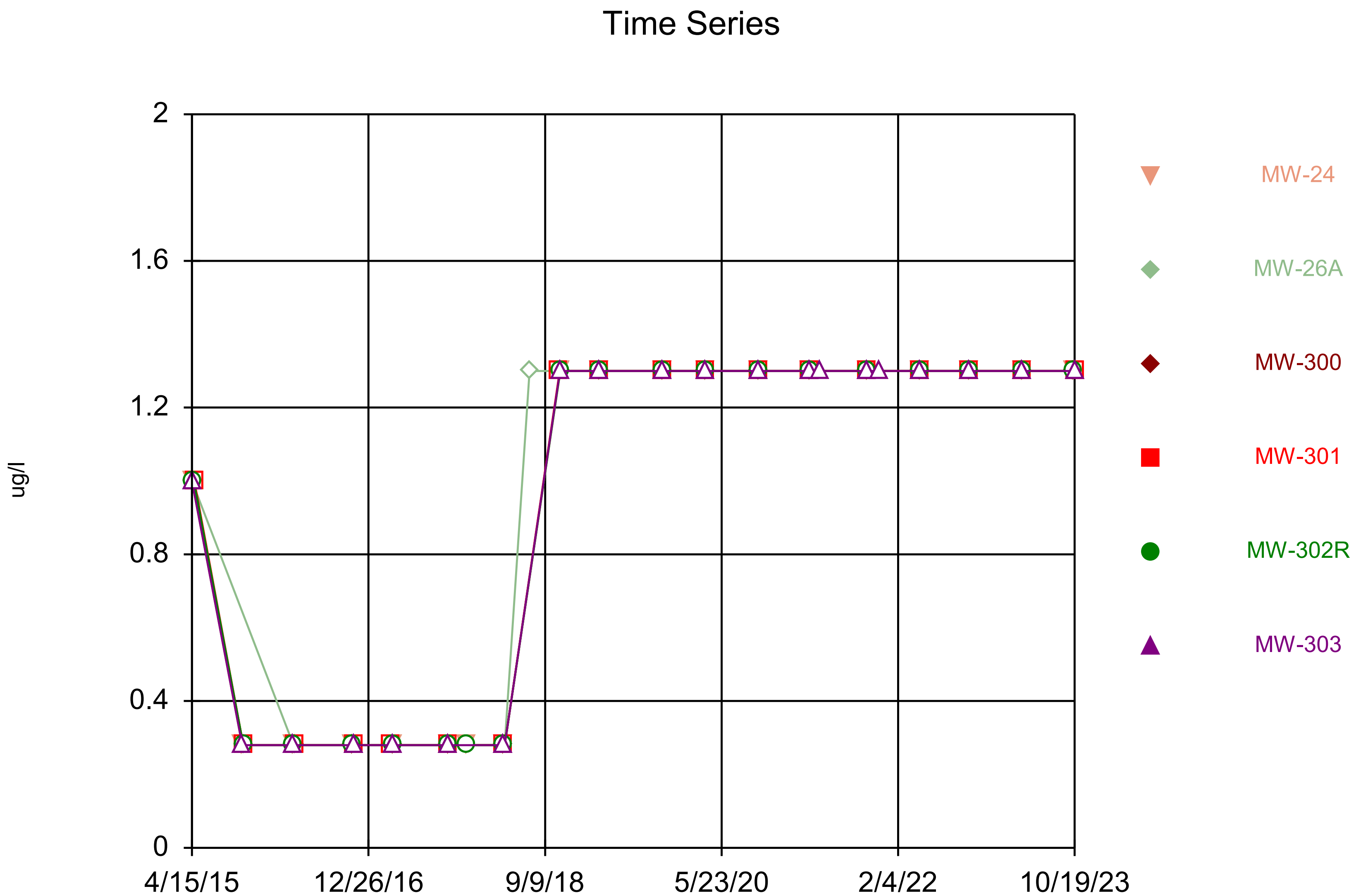

Constituent: Chloroform Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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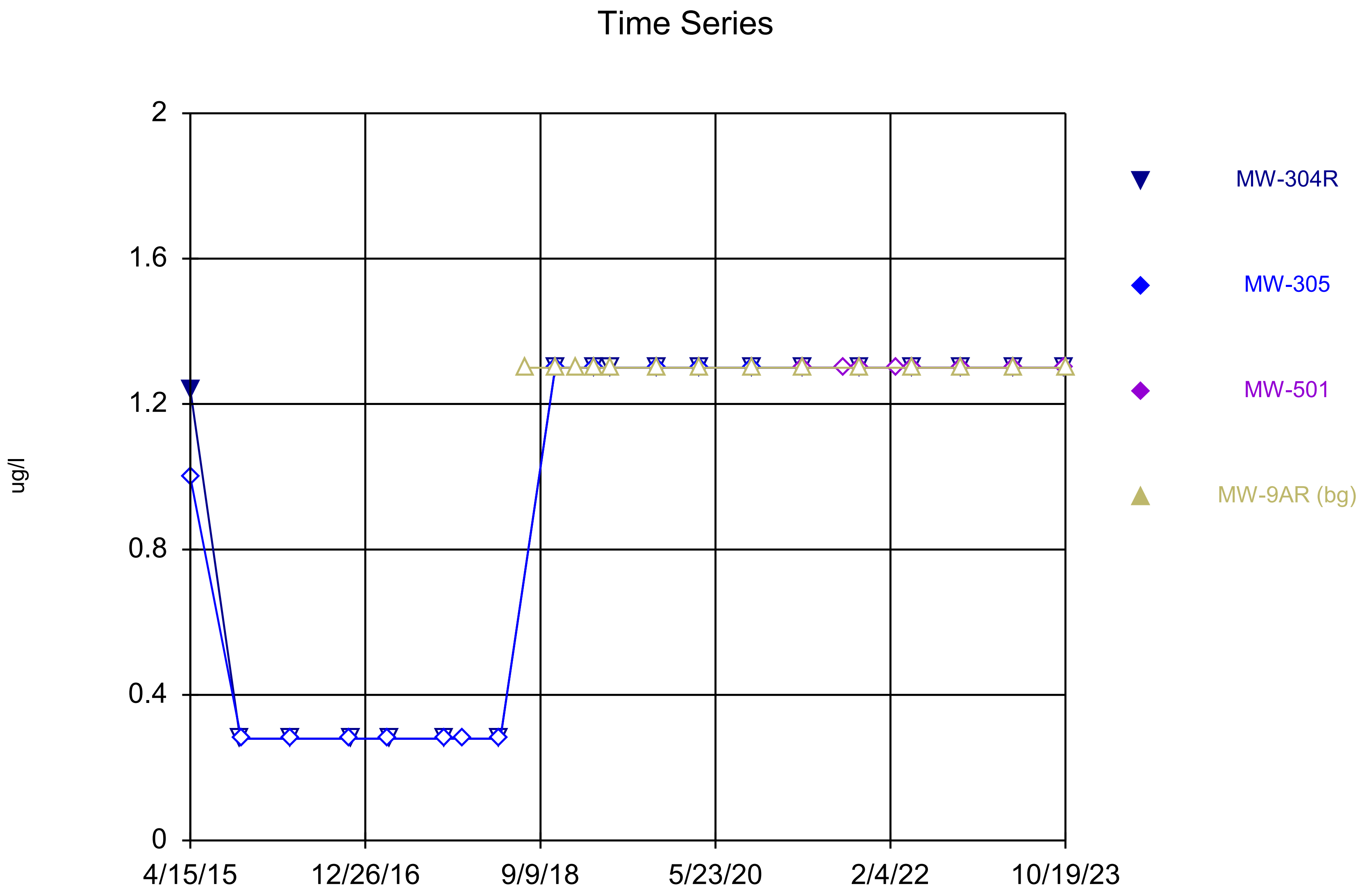
Hollow symbols indicate censored values.



Constituent: Chloroform Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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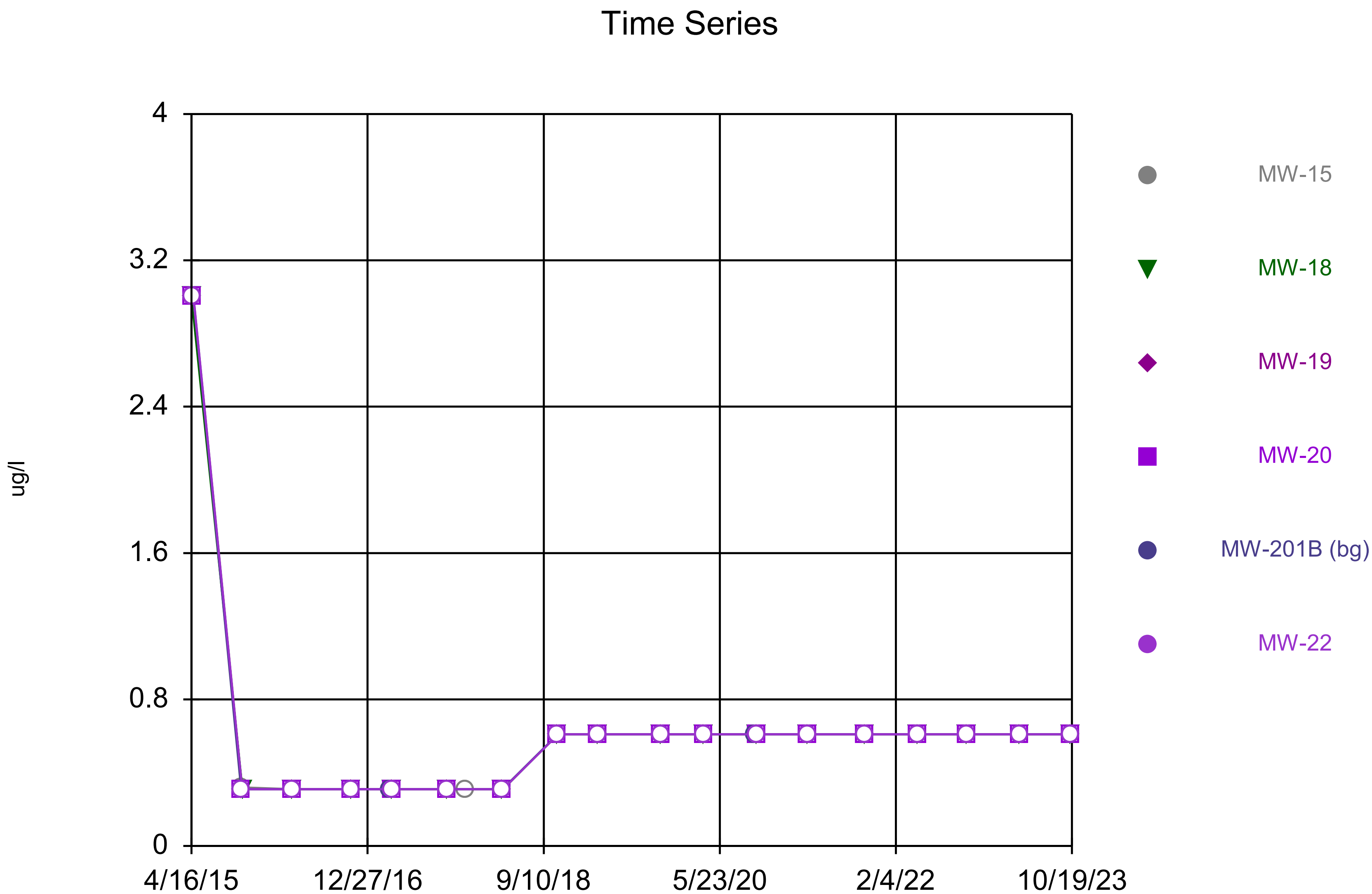
Hollow symbols indicate censored values.



Constituent: Chloromethane   Analysis Run 11/20/2023 2:18 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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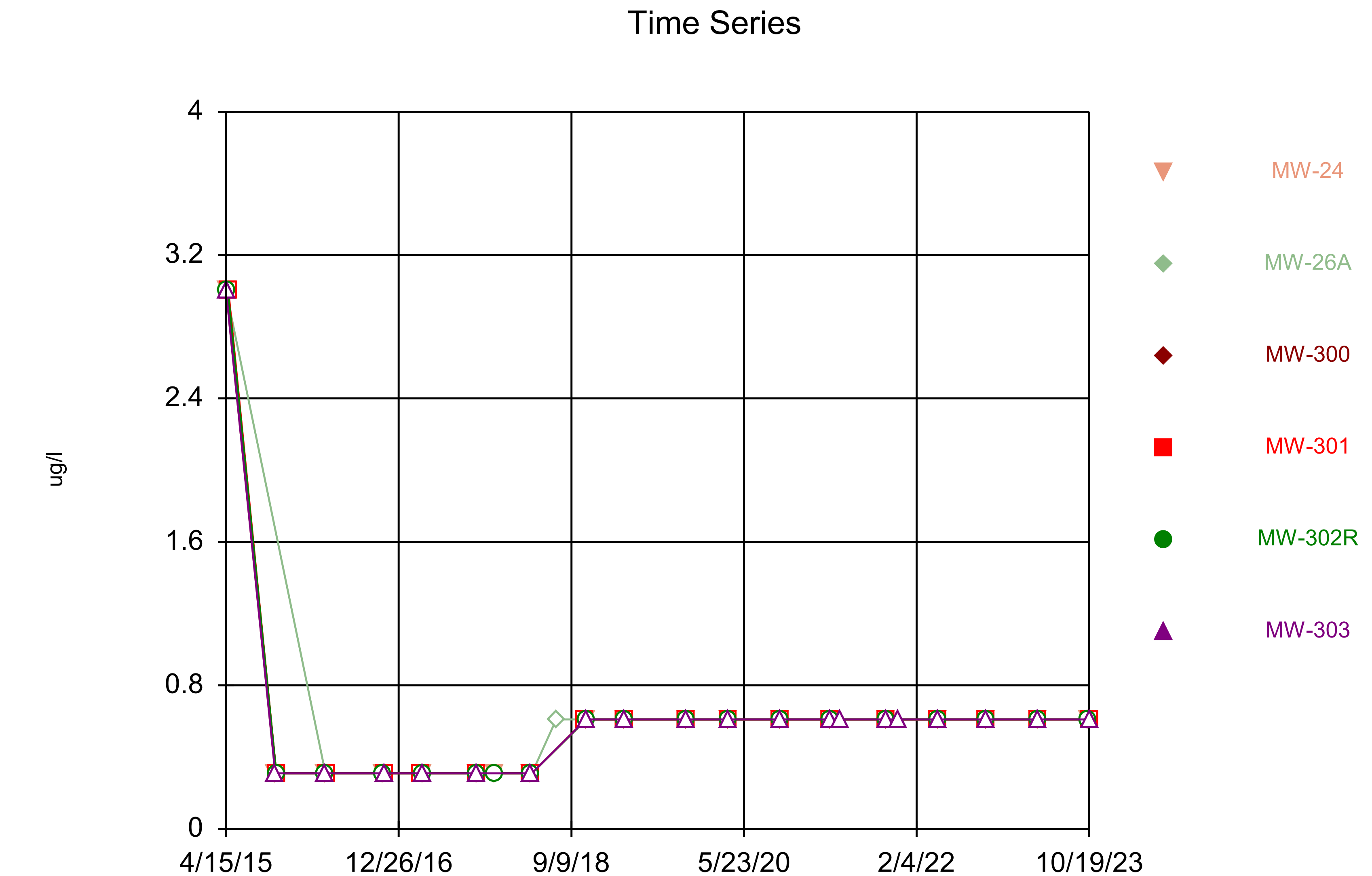
Hollow symbols indicate censored values.



Constituent: Chloromethane Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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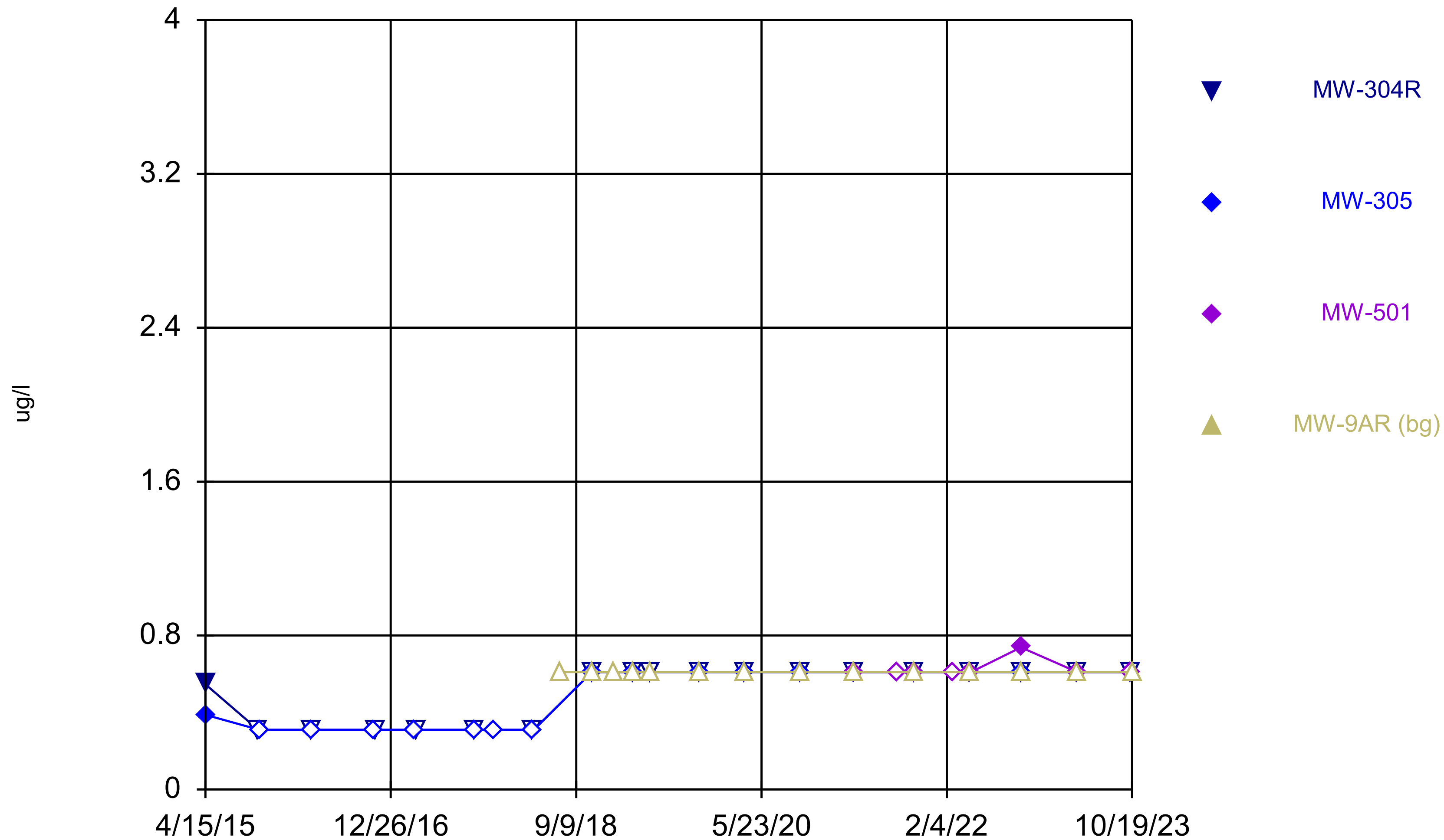
Hollow symbols indicate censored values.

Time Series



Constituent: Chloromethane Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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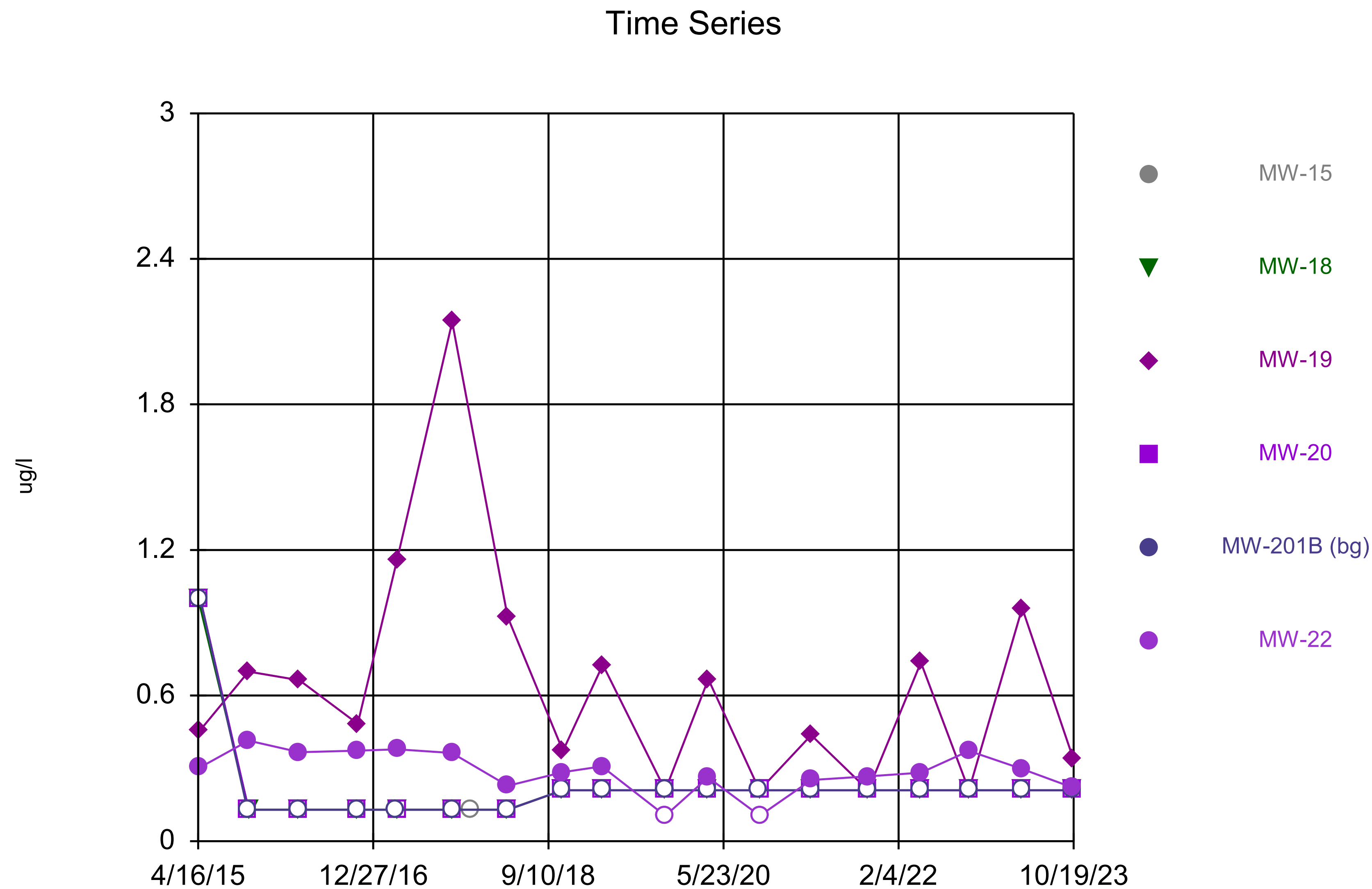
Hollow symbols indicate censored values.



Constituent: cis-1,2-Dichloroethene   Analysis Run 11/20/2023 2:18 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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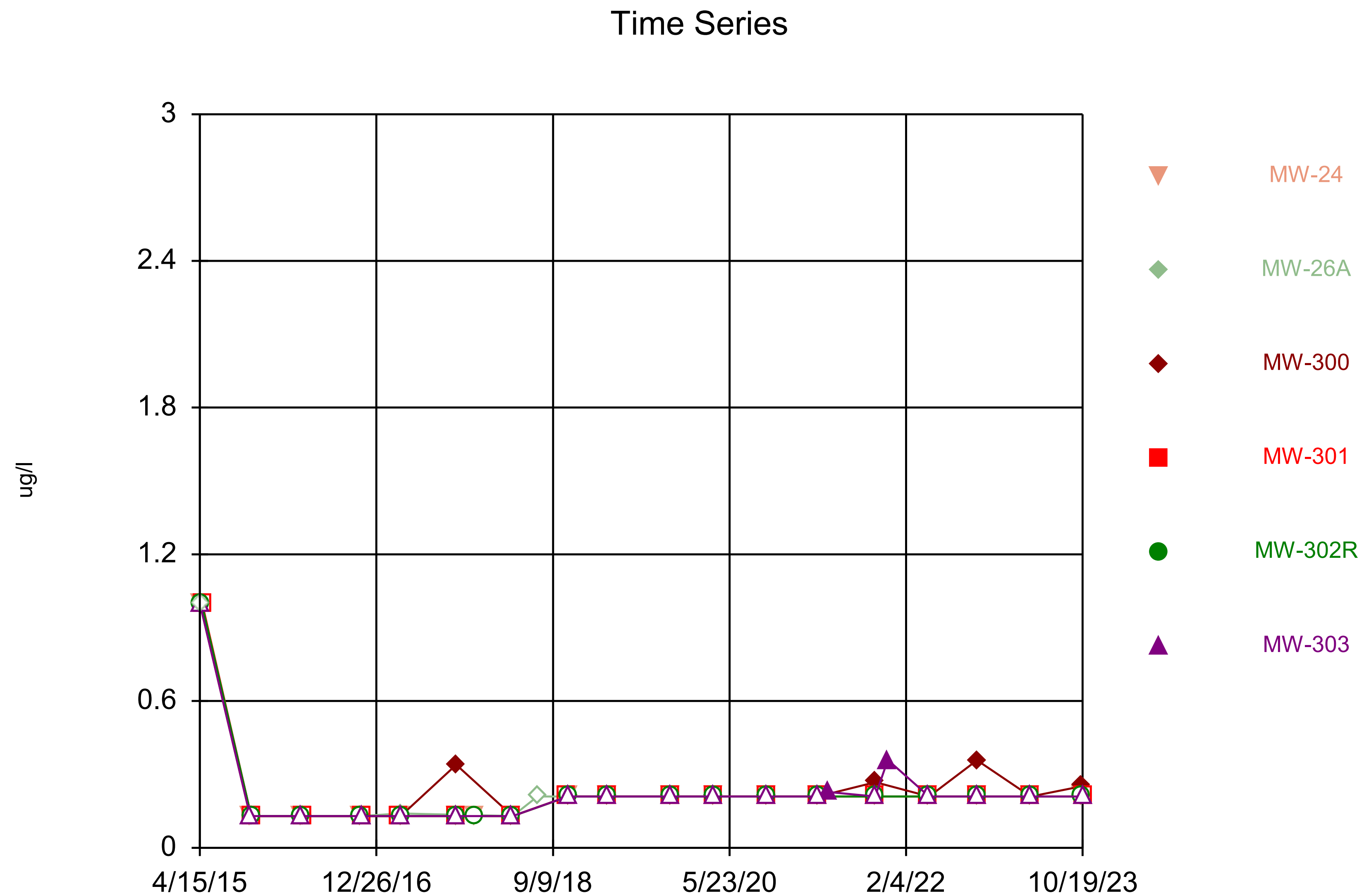
Hollow symbols indicate censored values.



Constituent: cis-1,2-Dichloroethene Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
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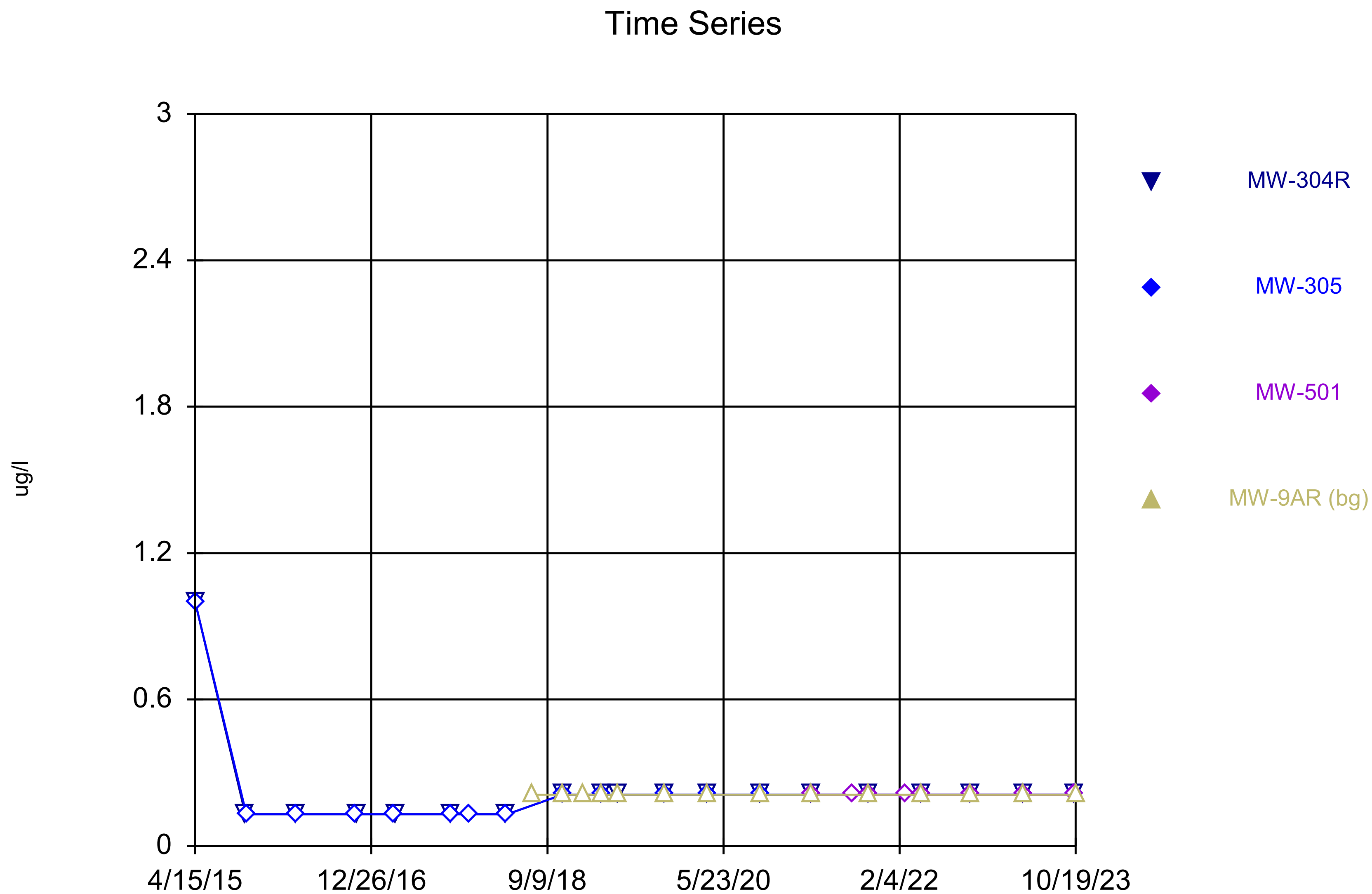

Constituent: cis-1,2-Dichloroethene Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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Constituent: cis-1,3-Dichloropropene Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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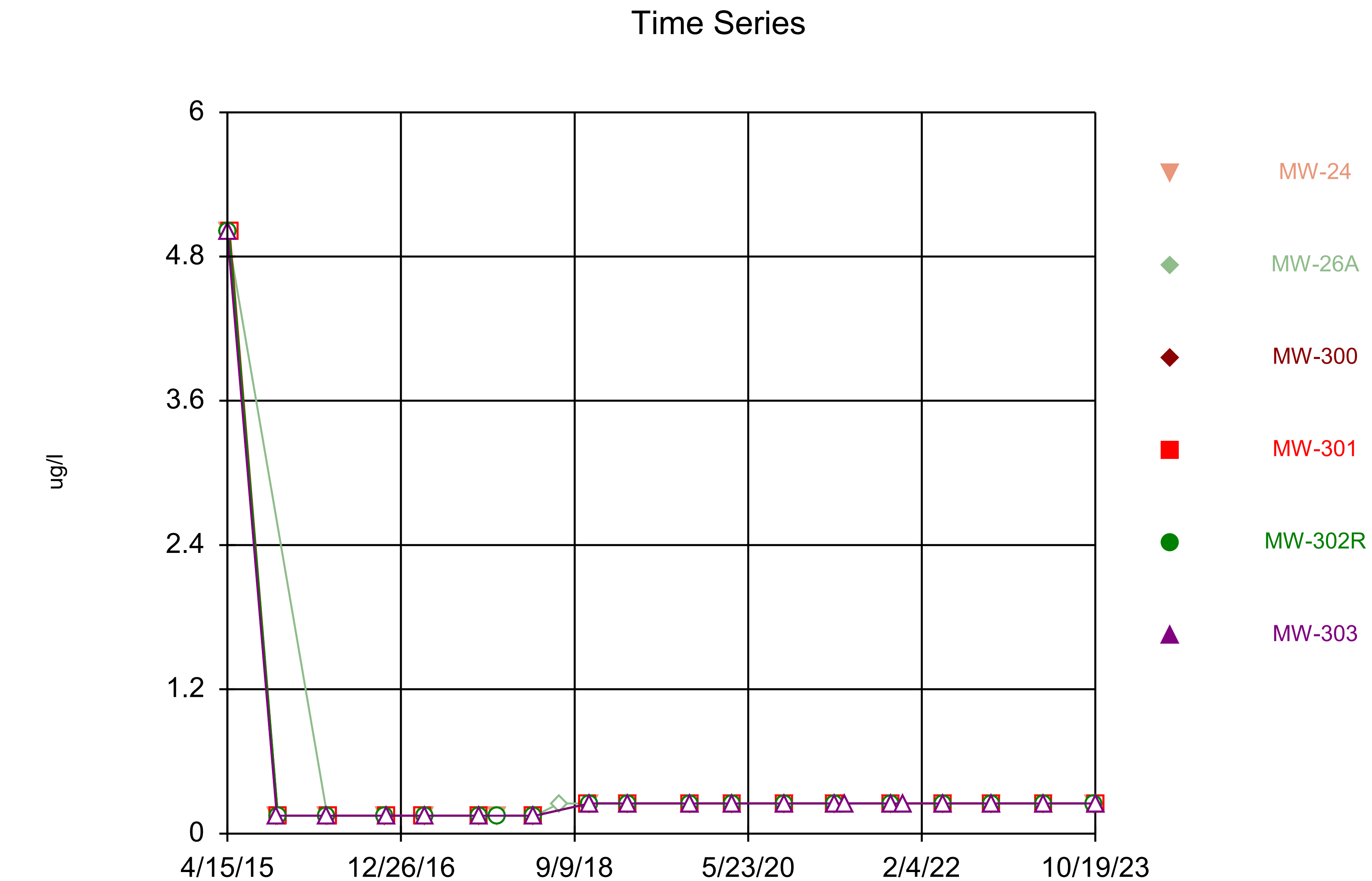
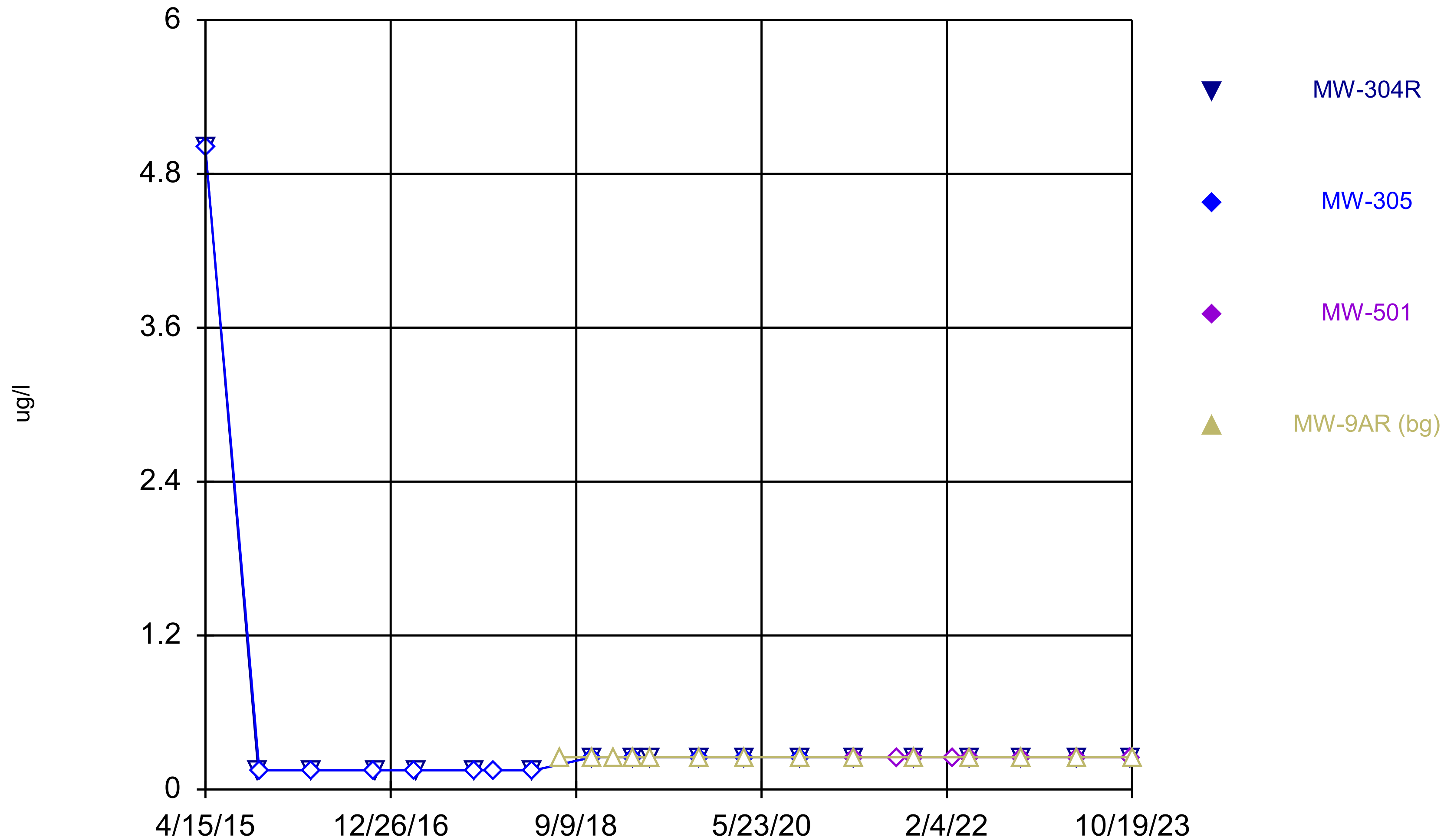


Constituent: cis-1,3-Dichloropropene Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Time Series



Constituent: cis-1,3-Dichloropropene Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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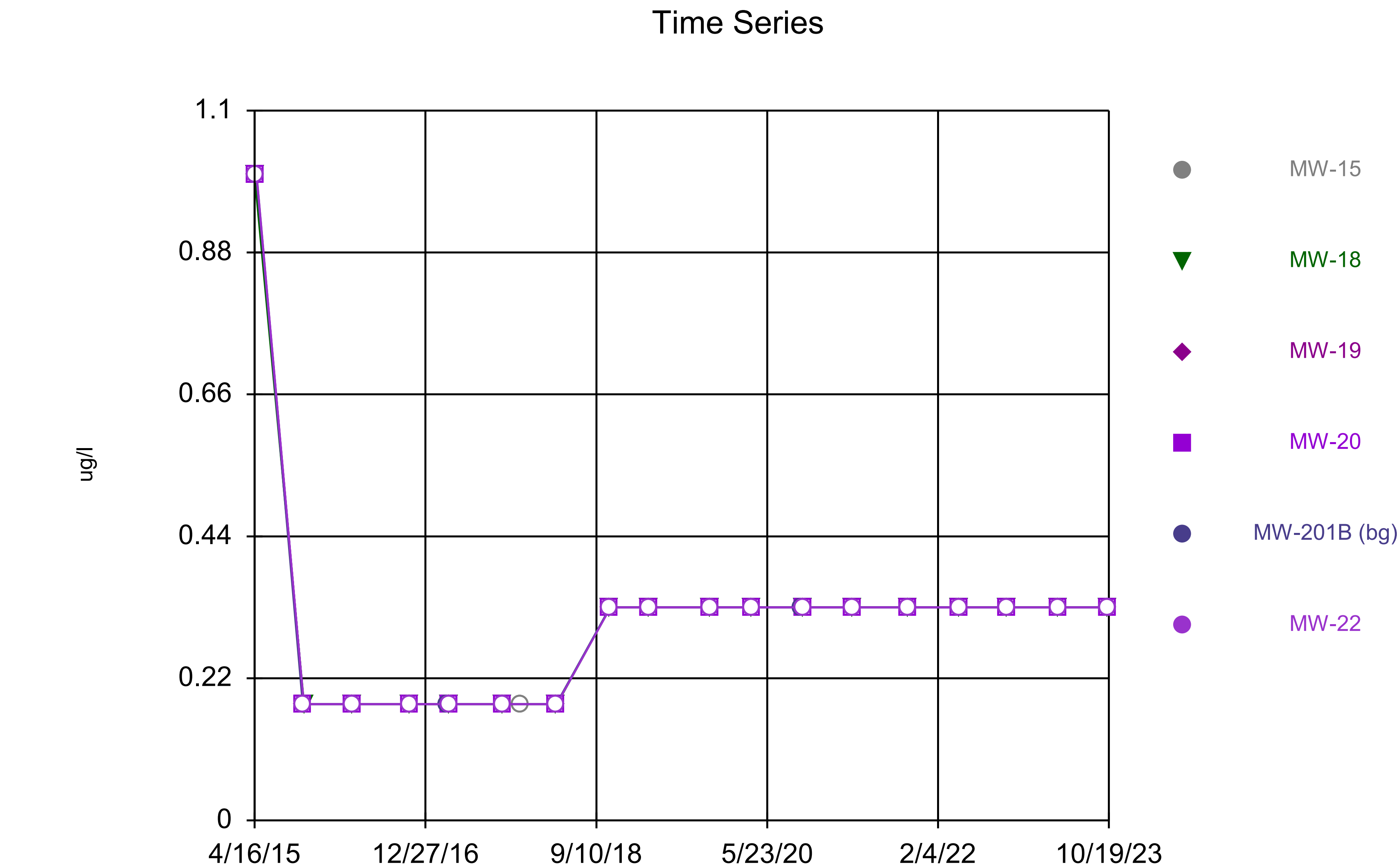
Hollow symbols indicate censored values.



Constituent: Dibromomethane Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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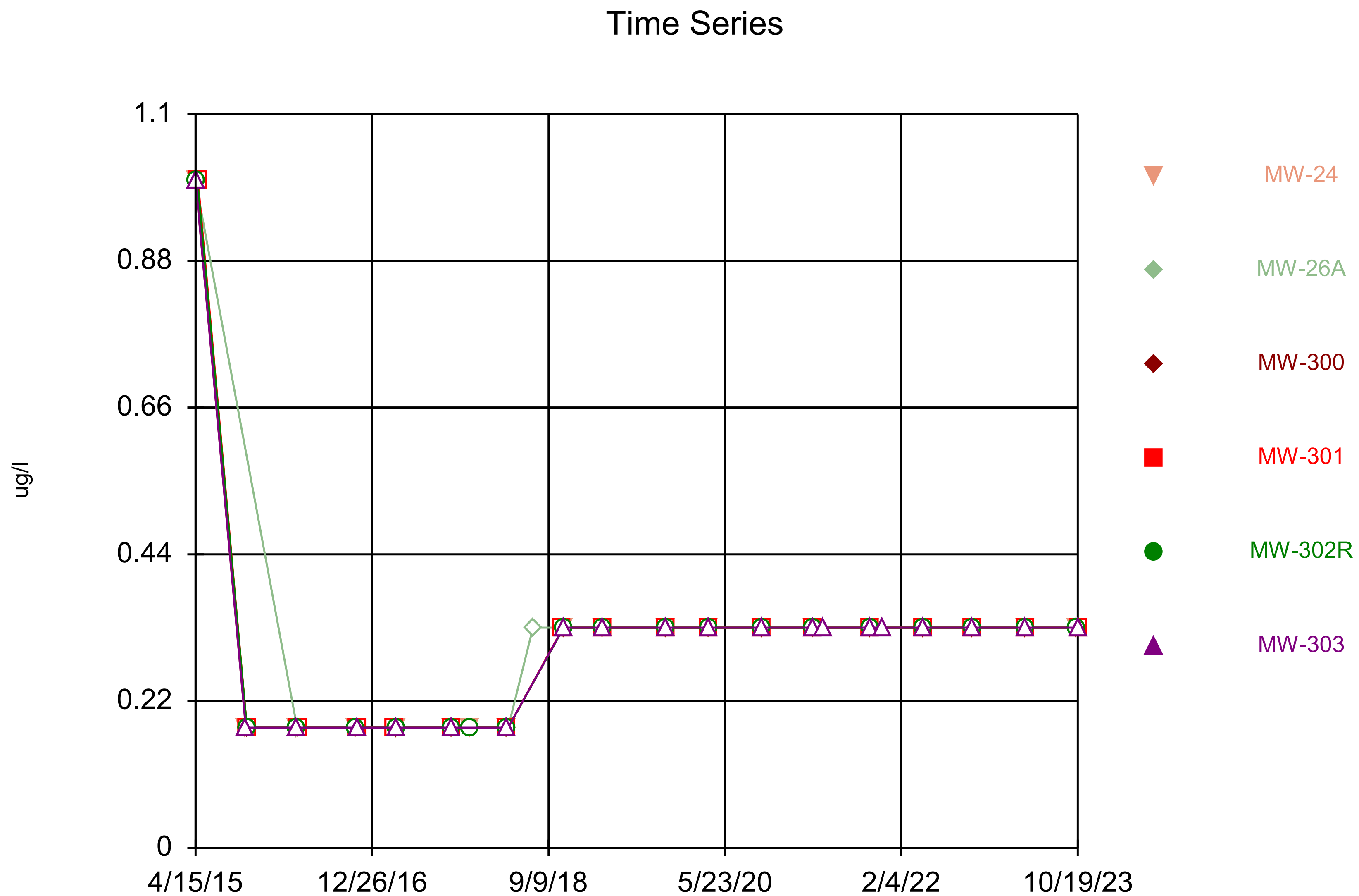
Hollow symbols indicate censored values.



Constituent: Dibromomethane Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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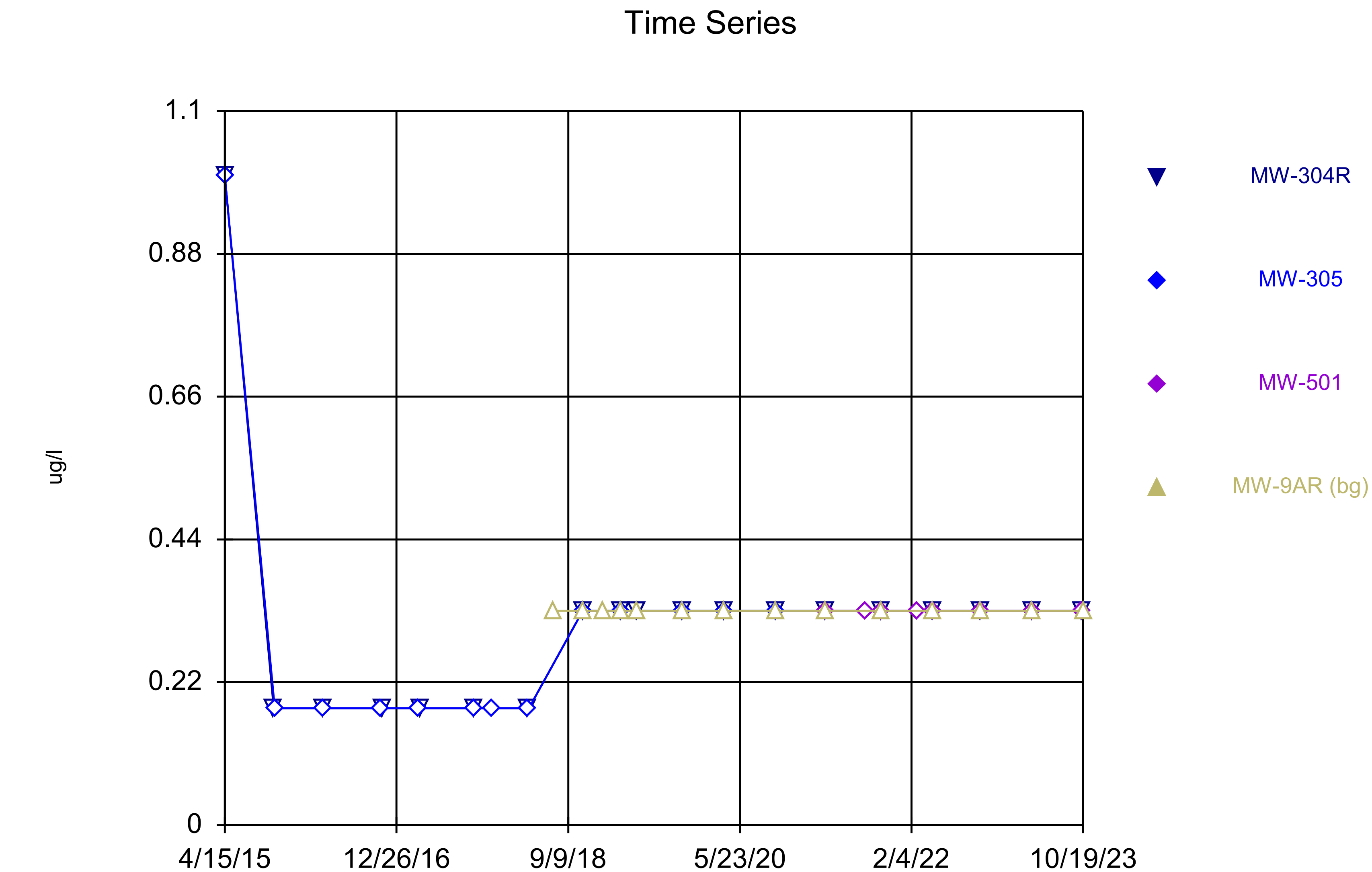
Hollow symbols indicate censored values.



Constituent: Dibromomethane Analysis Run 11/20/2023 2:18 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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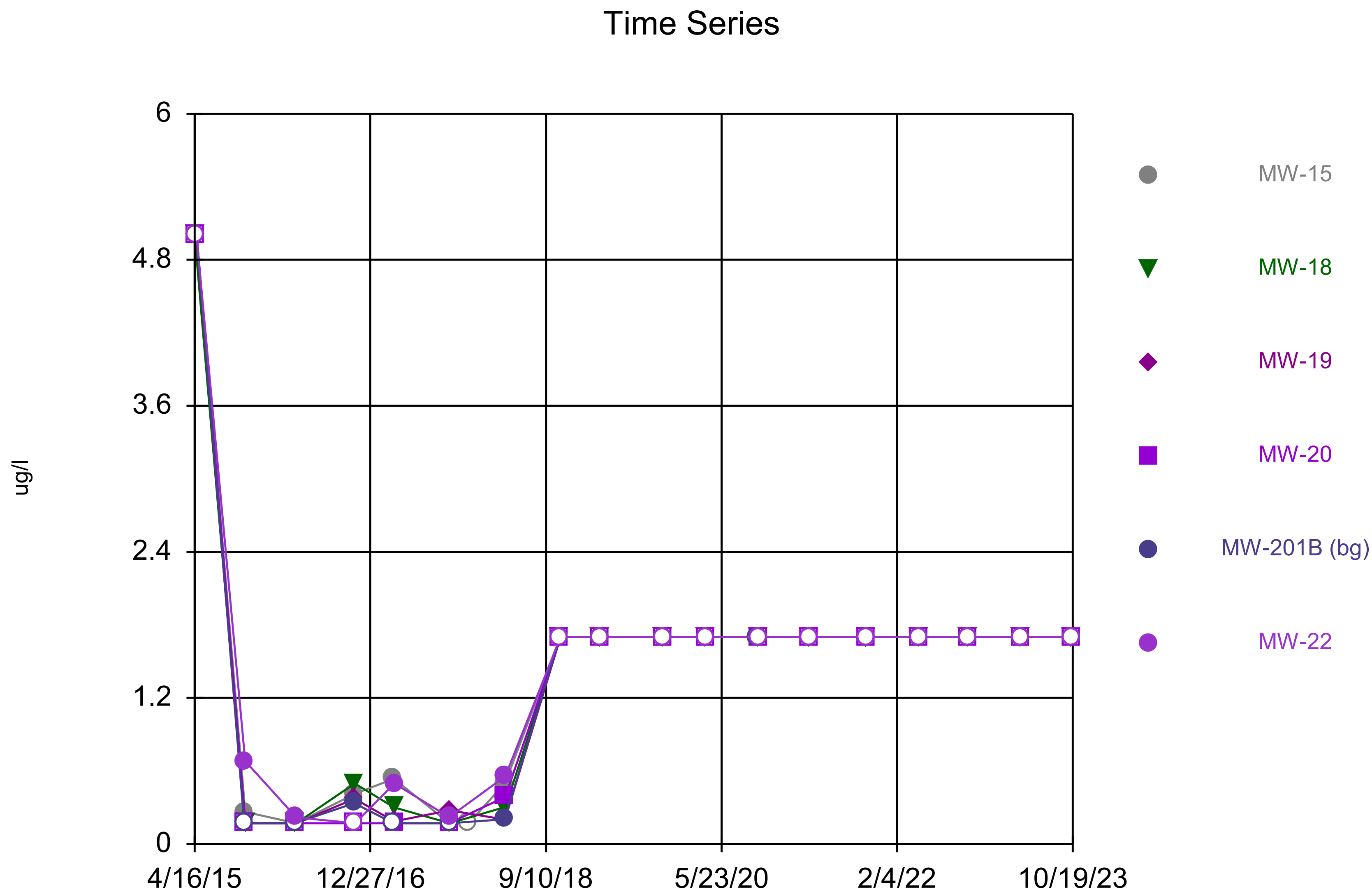
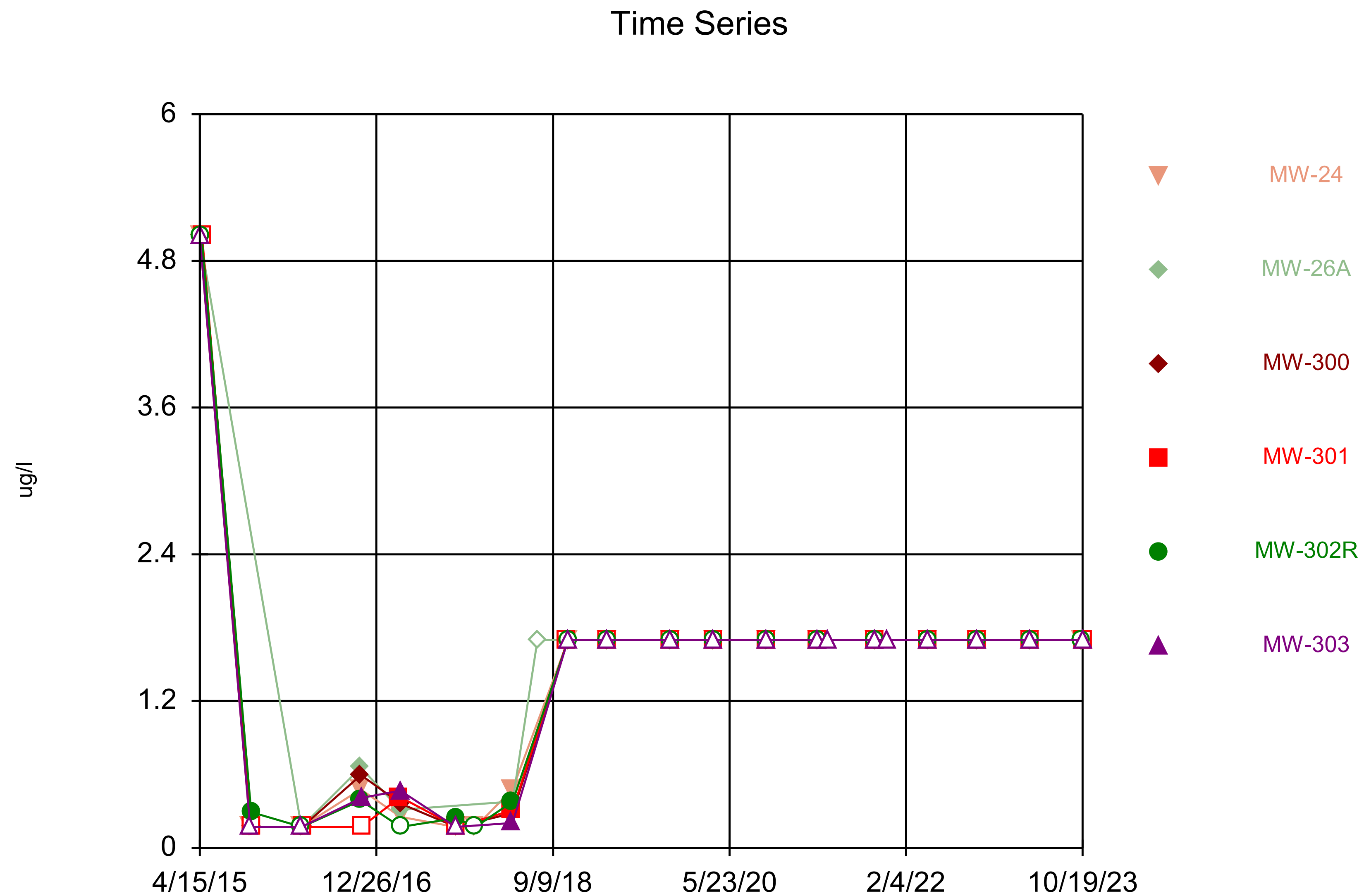
Hollow symbols indicate censored values.



Constituent: Dichloromethane   Analysis Run 11/20/2023 2:18 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

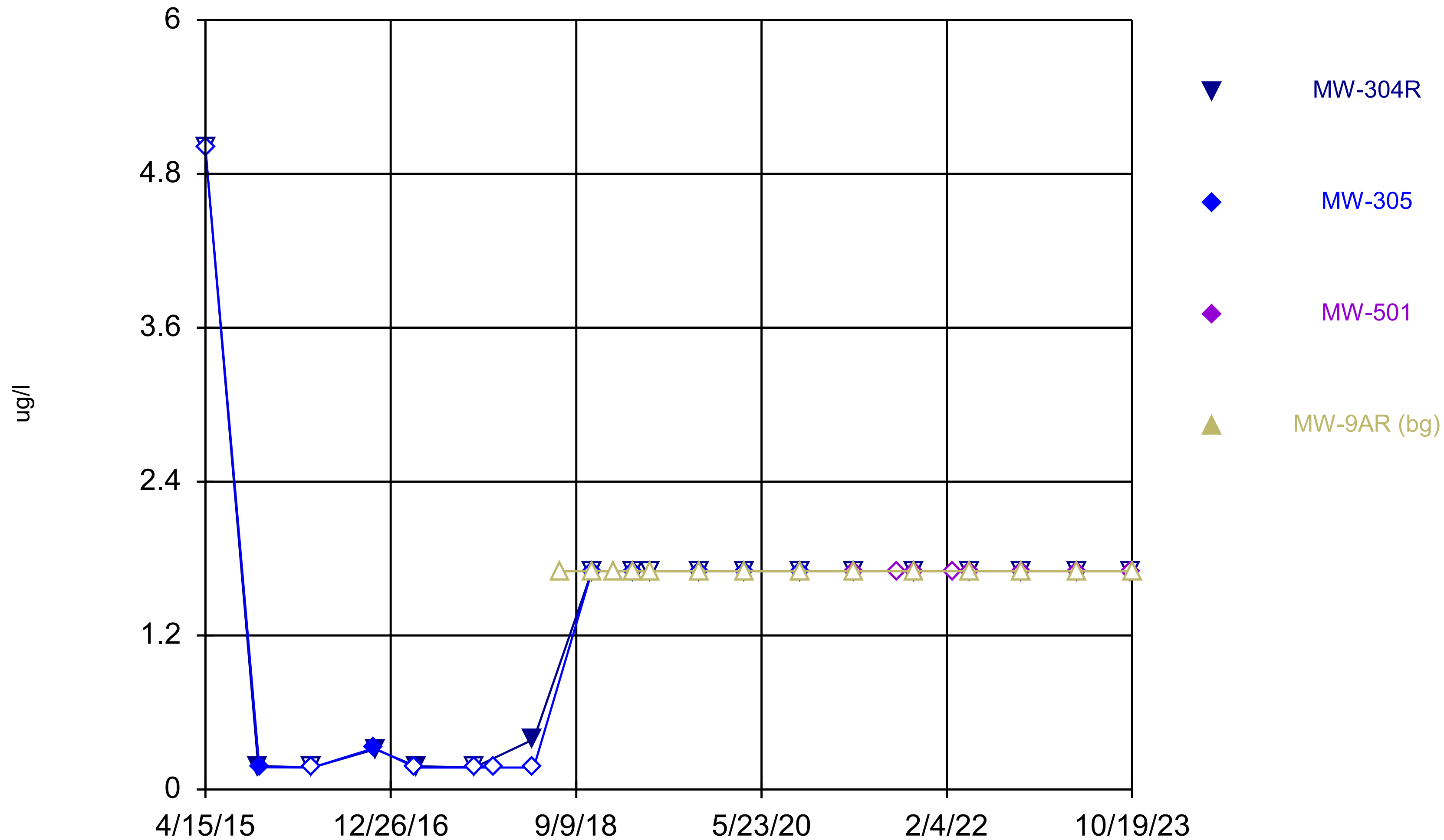
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Dichloromethane Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Dichloromethane Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
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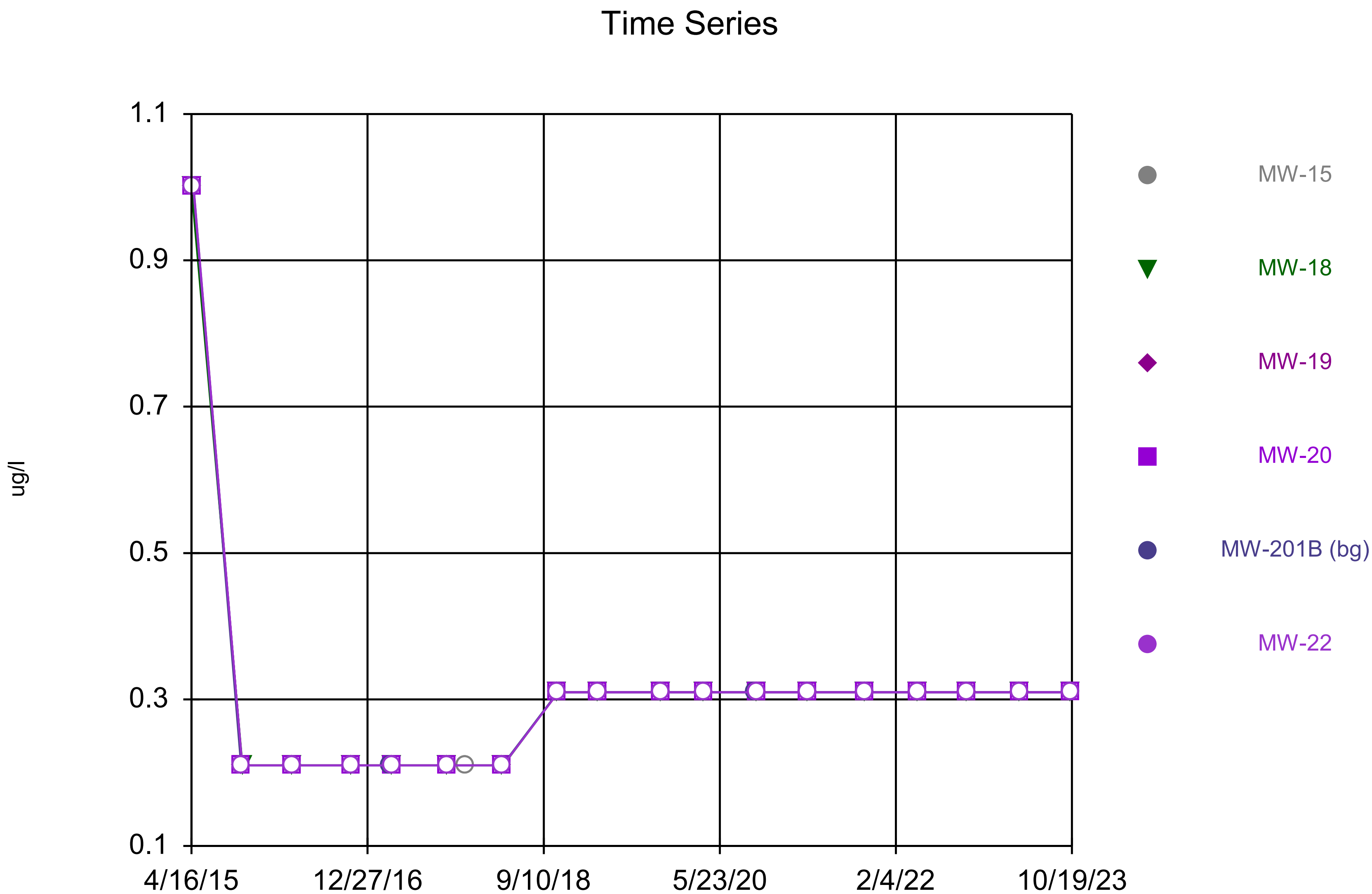

Constituent: Ethylbenzene Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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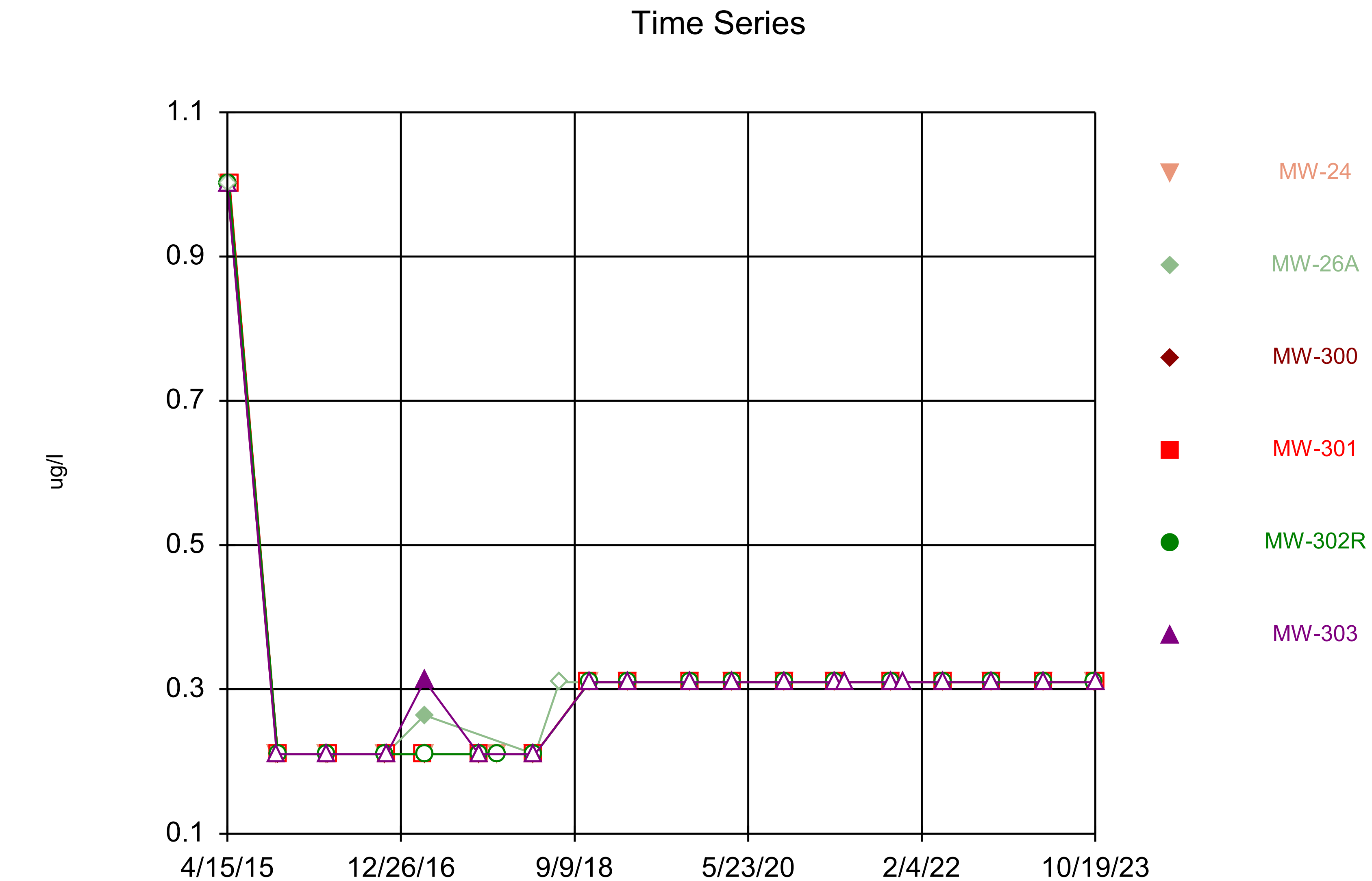
Hollow symbols indicate censored values.



Constituent: Ethylbenzene Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
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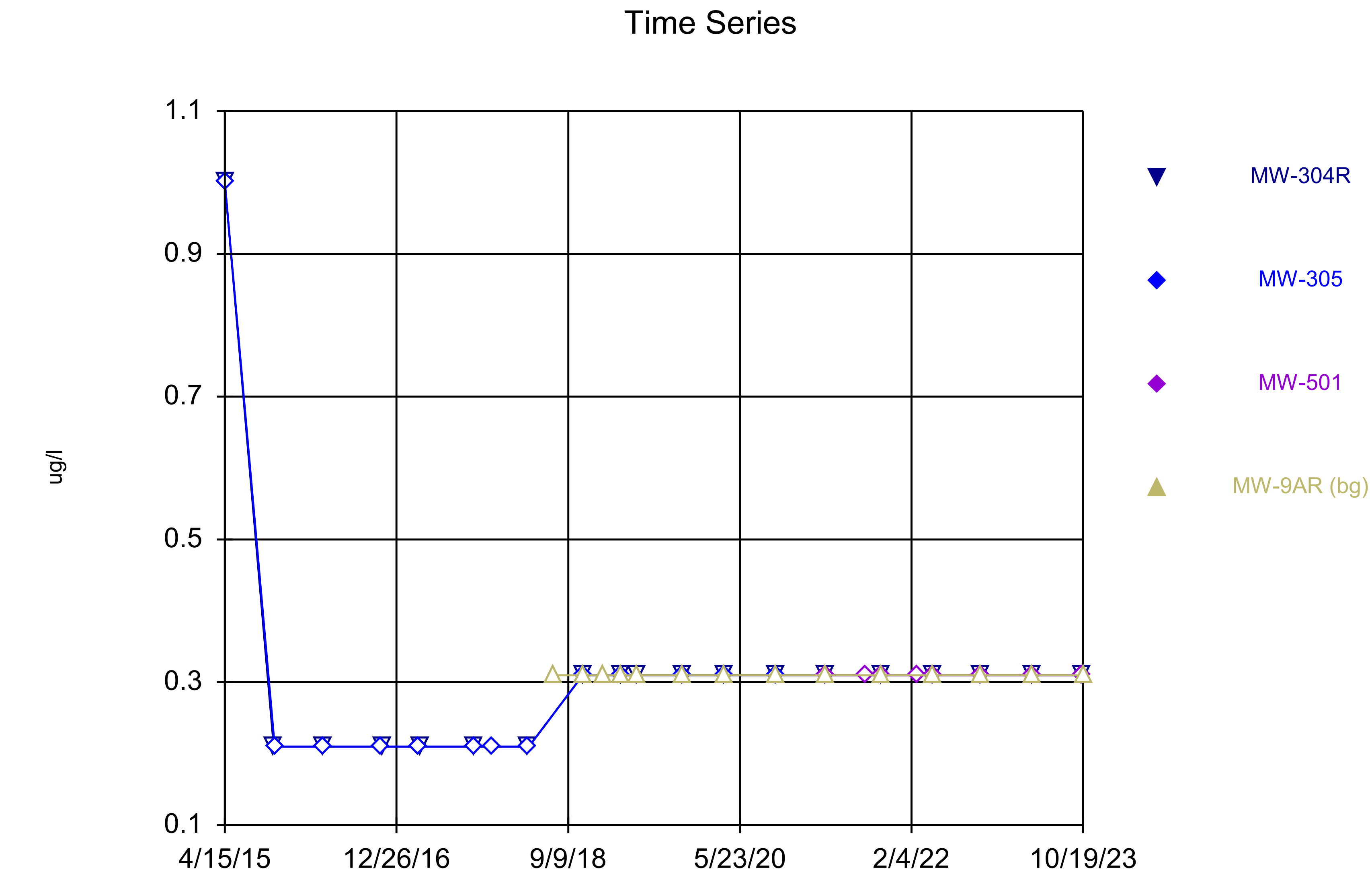

Constituent: Ethylbenzene Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
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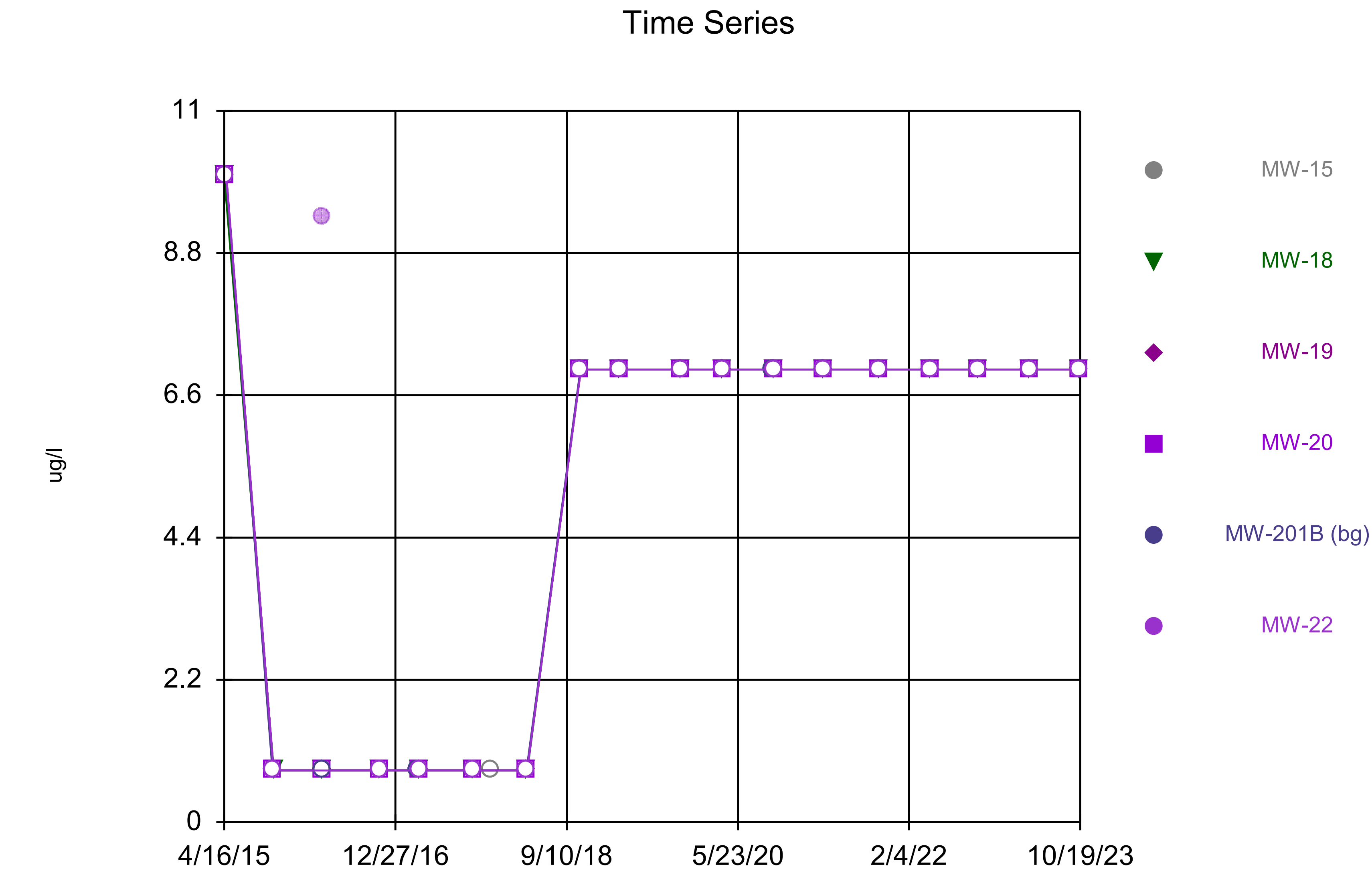
Hollow symbols indicate censored values.



Constituent: Iodomethane Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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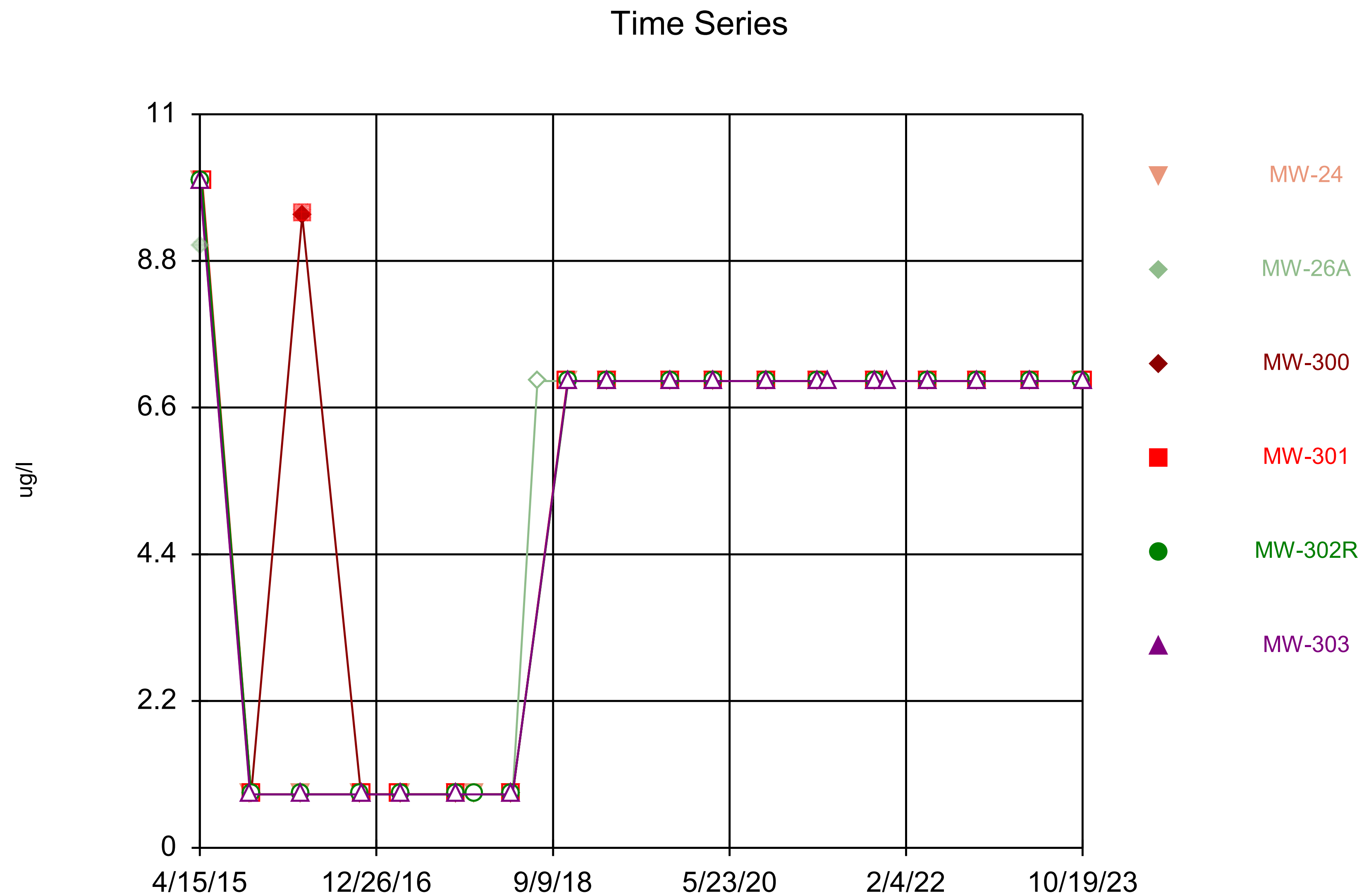
Hollow symbols indicate censored values.



Constituent: Iodomethane Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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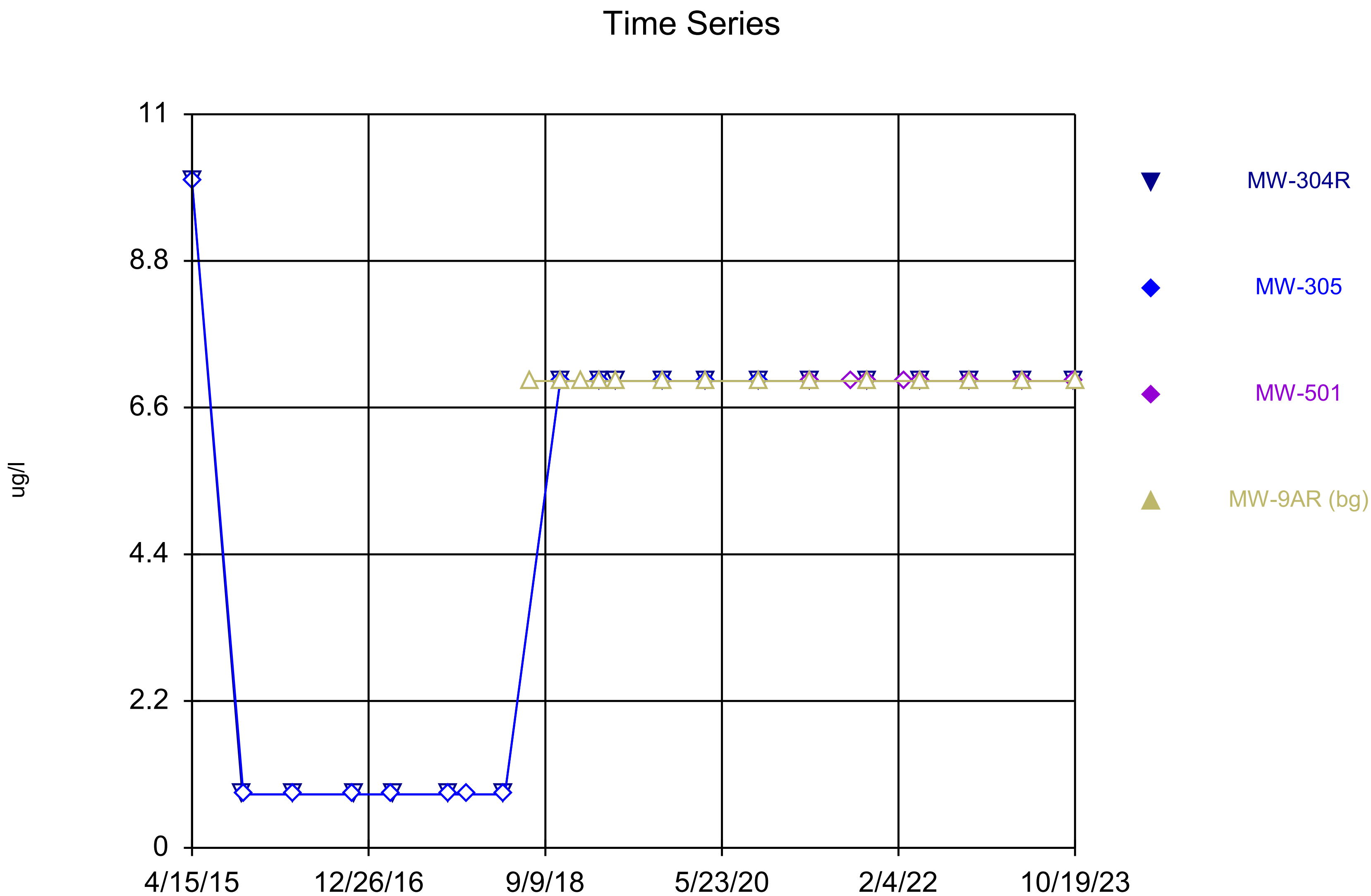
Hollow symbols indicate censored values.



Constituent: Iodomethane Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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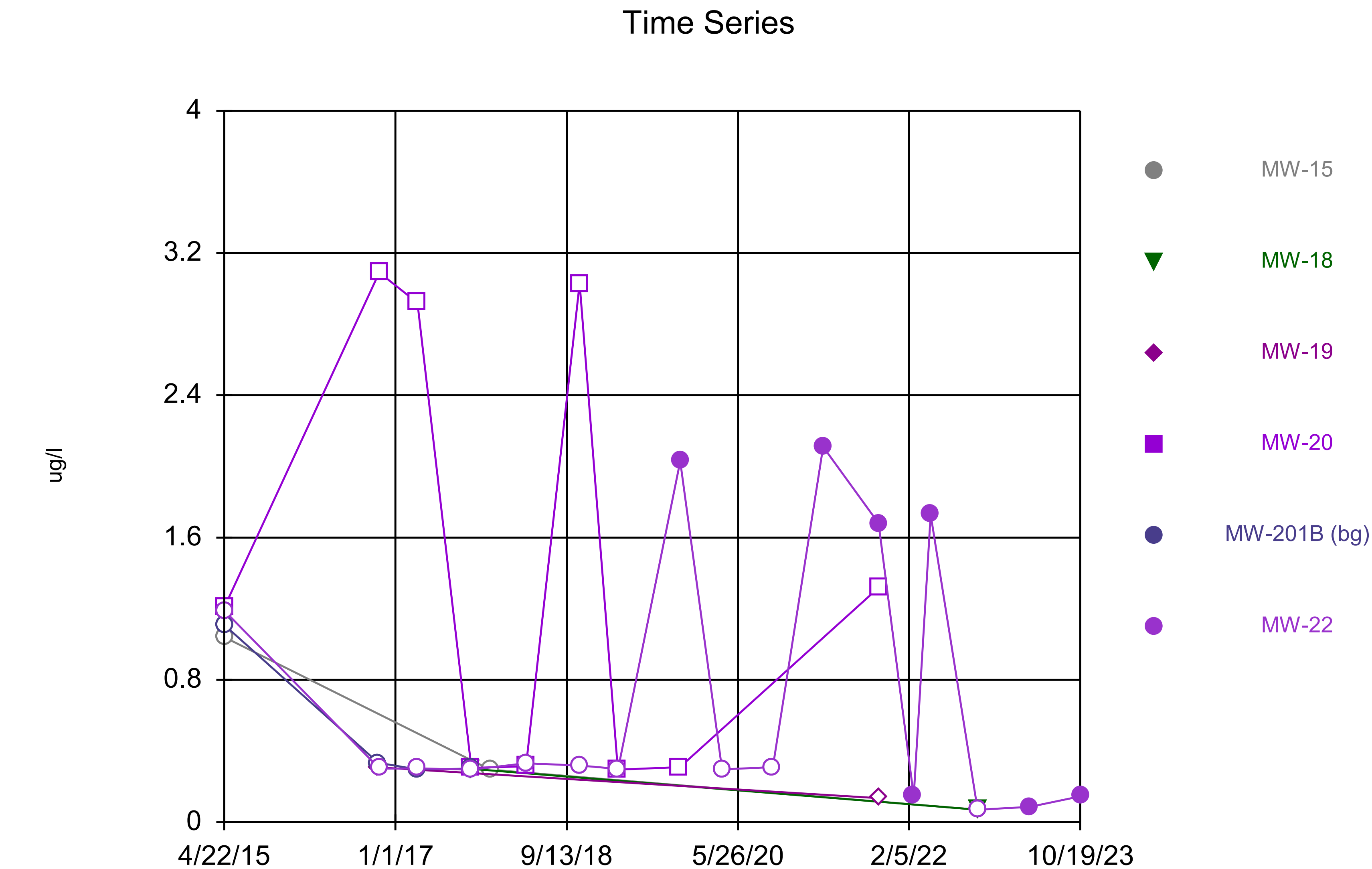

Constituent: Silvex [2,4,5-TP] Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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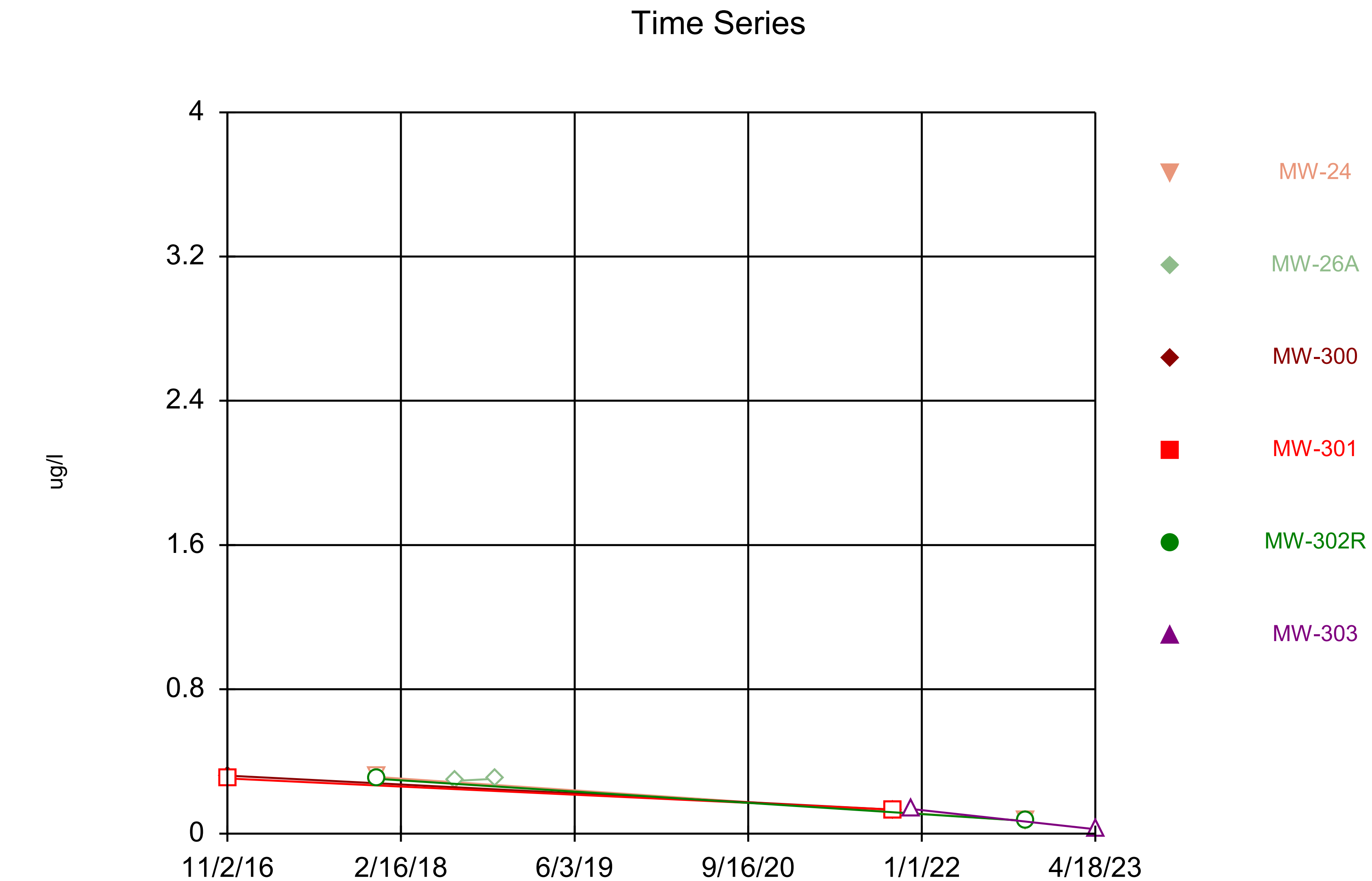
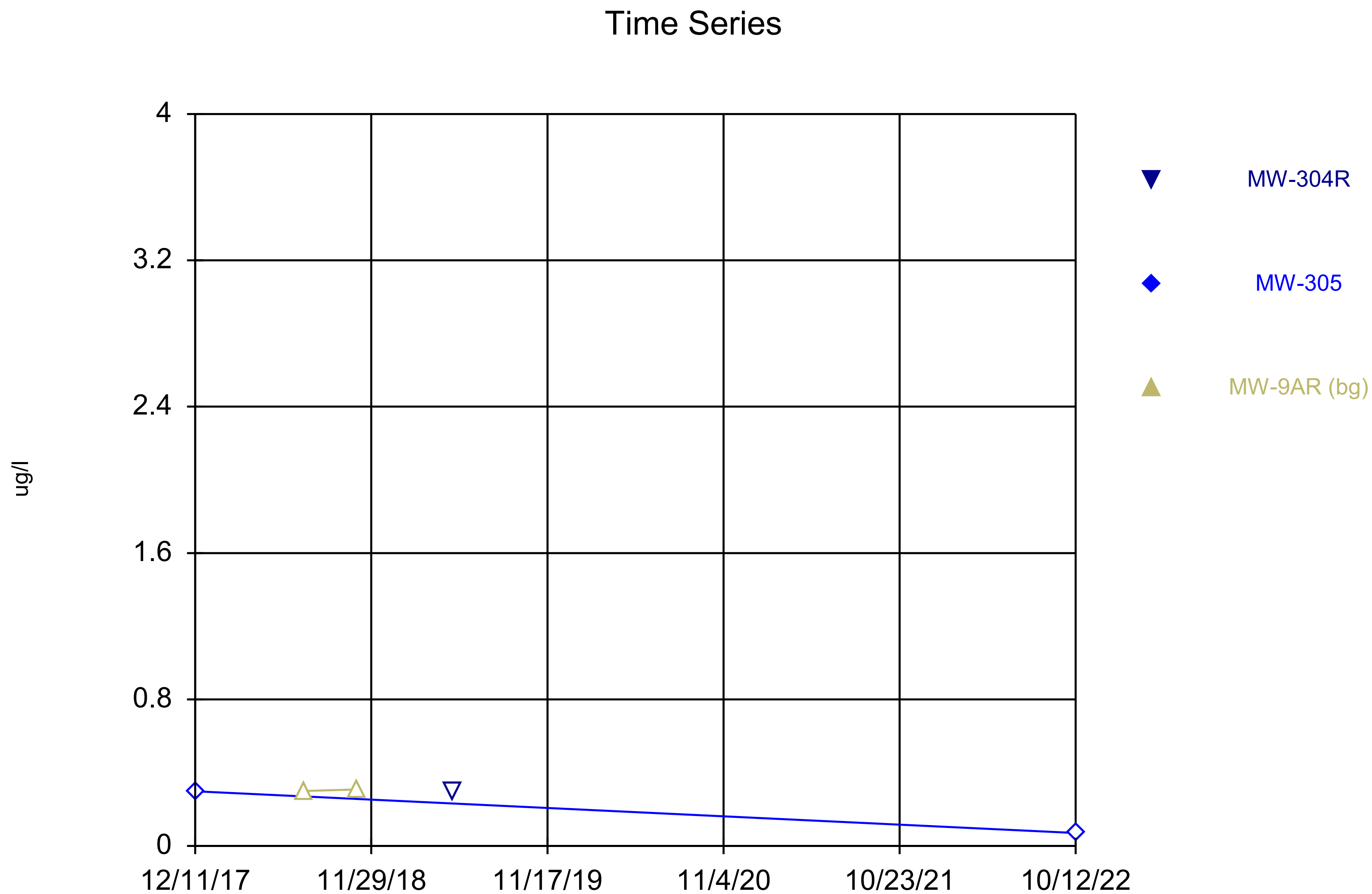
Hollow symbols indicate censored values.



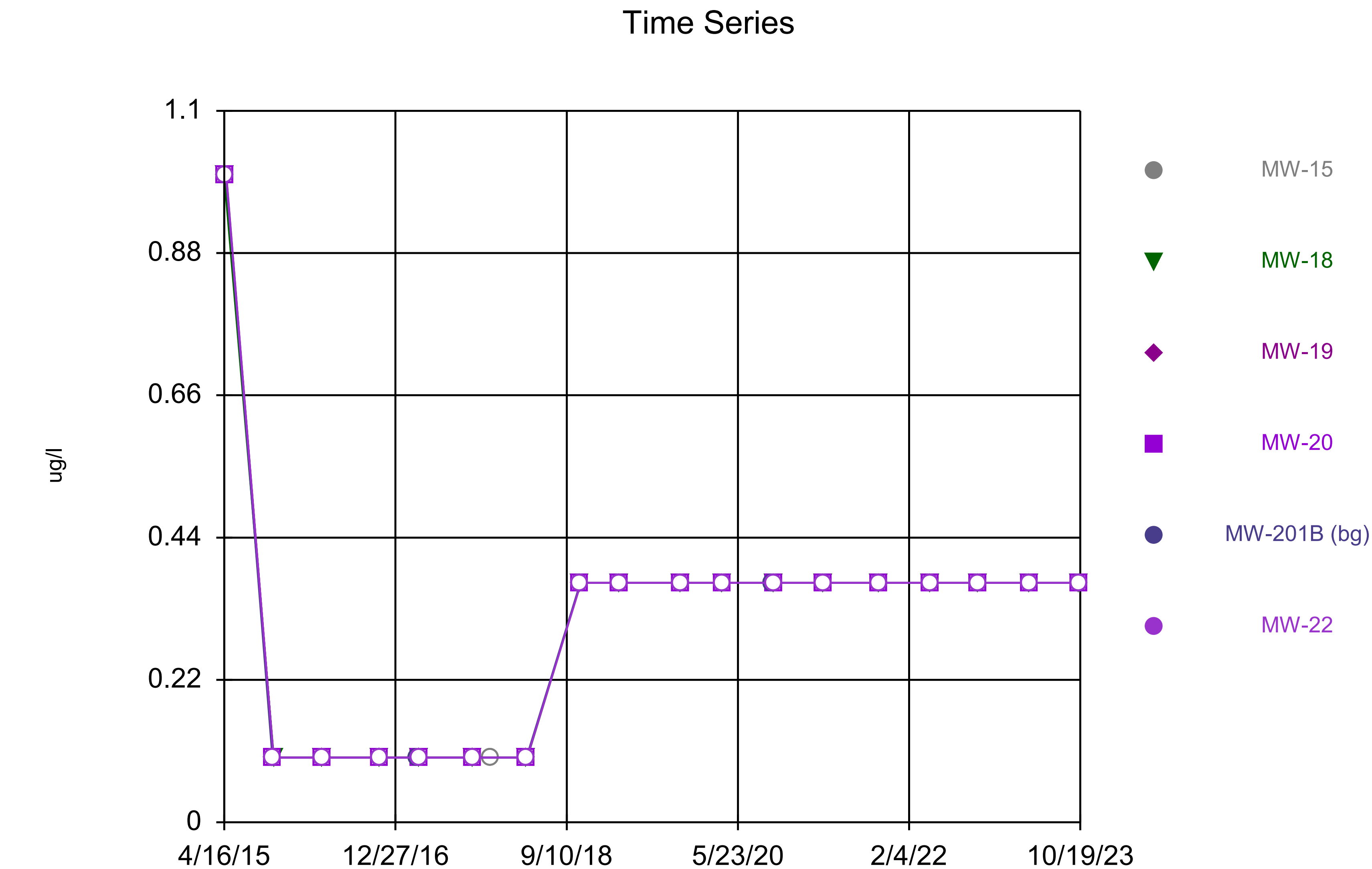
Constituent: Silvex [2,4,5-TP] Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Silvex [2,4,5-TP] Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Styrene Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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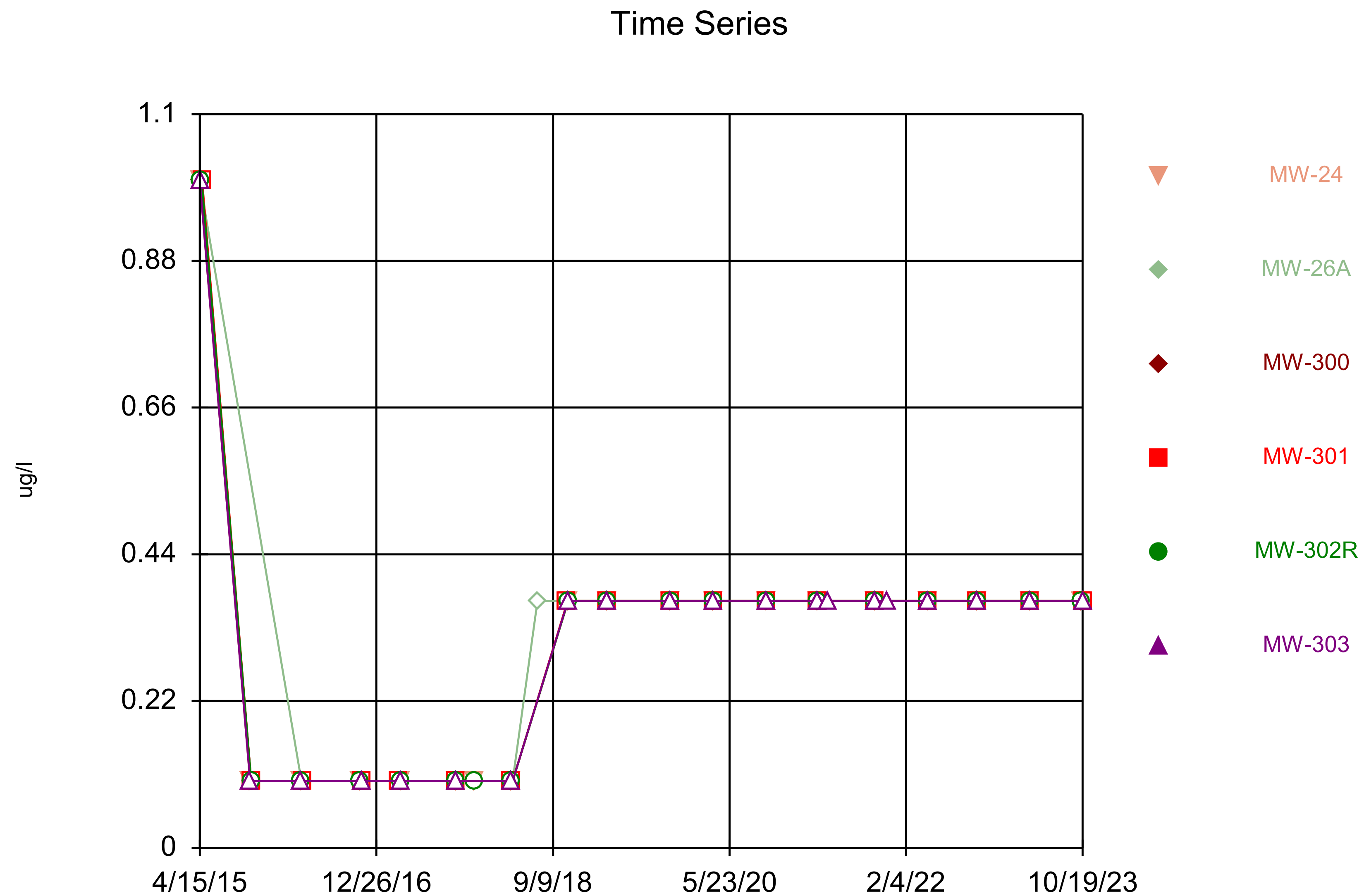
Hollow symbols indicate censored values.



Constituent: Styrene Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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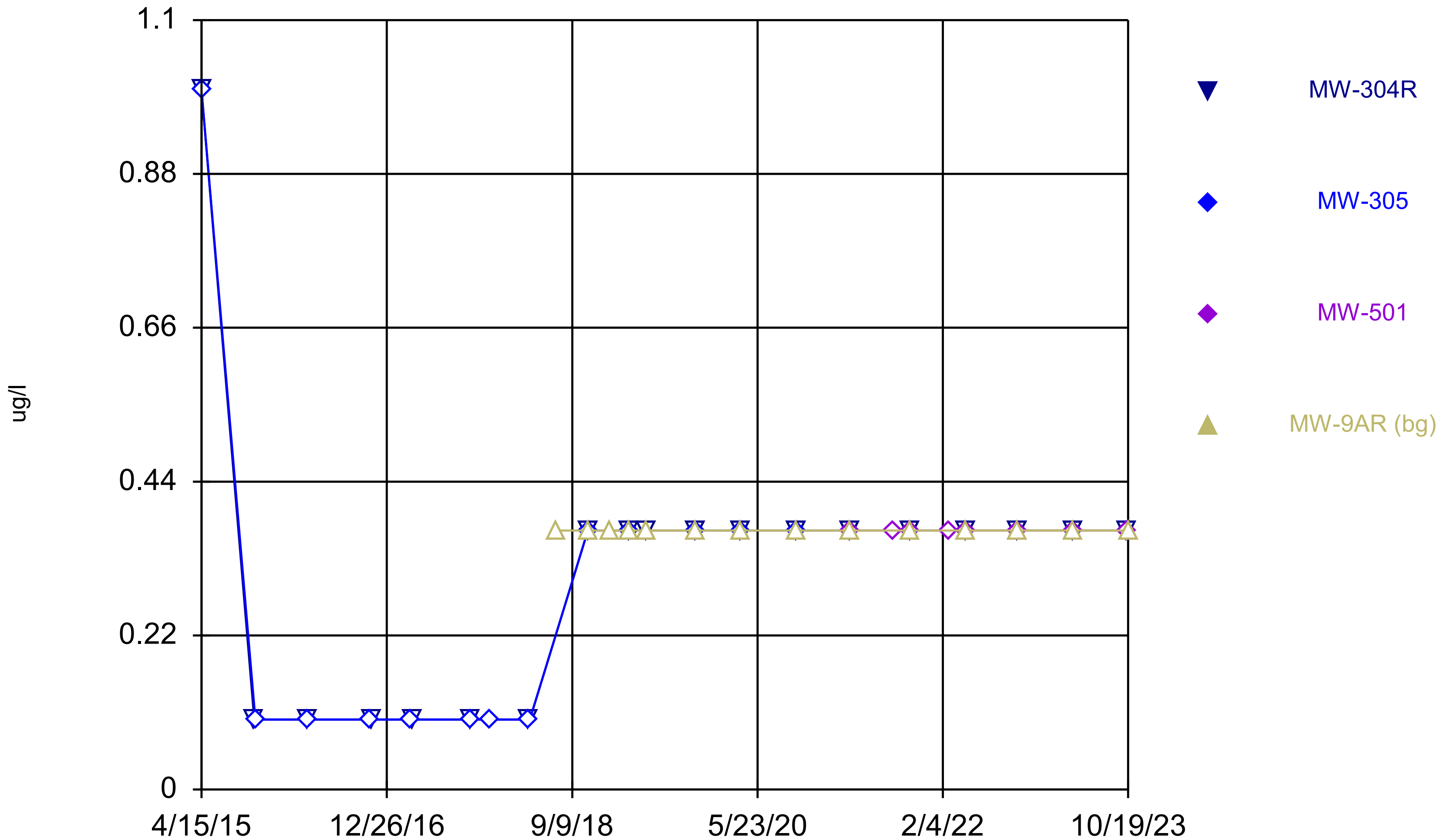
Hollow symbols indicate censored values.

Time Series



Constituent: Styrene   Analysis Run 11/20/2023 2:19 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
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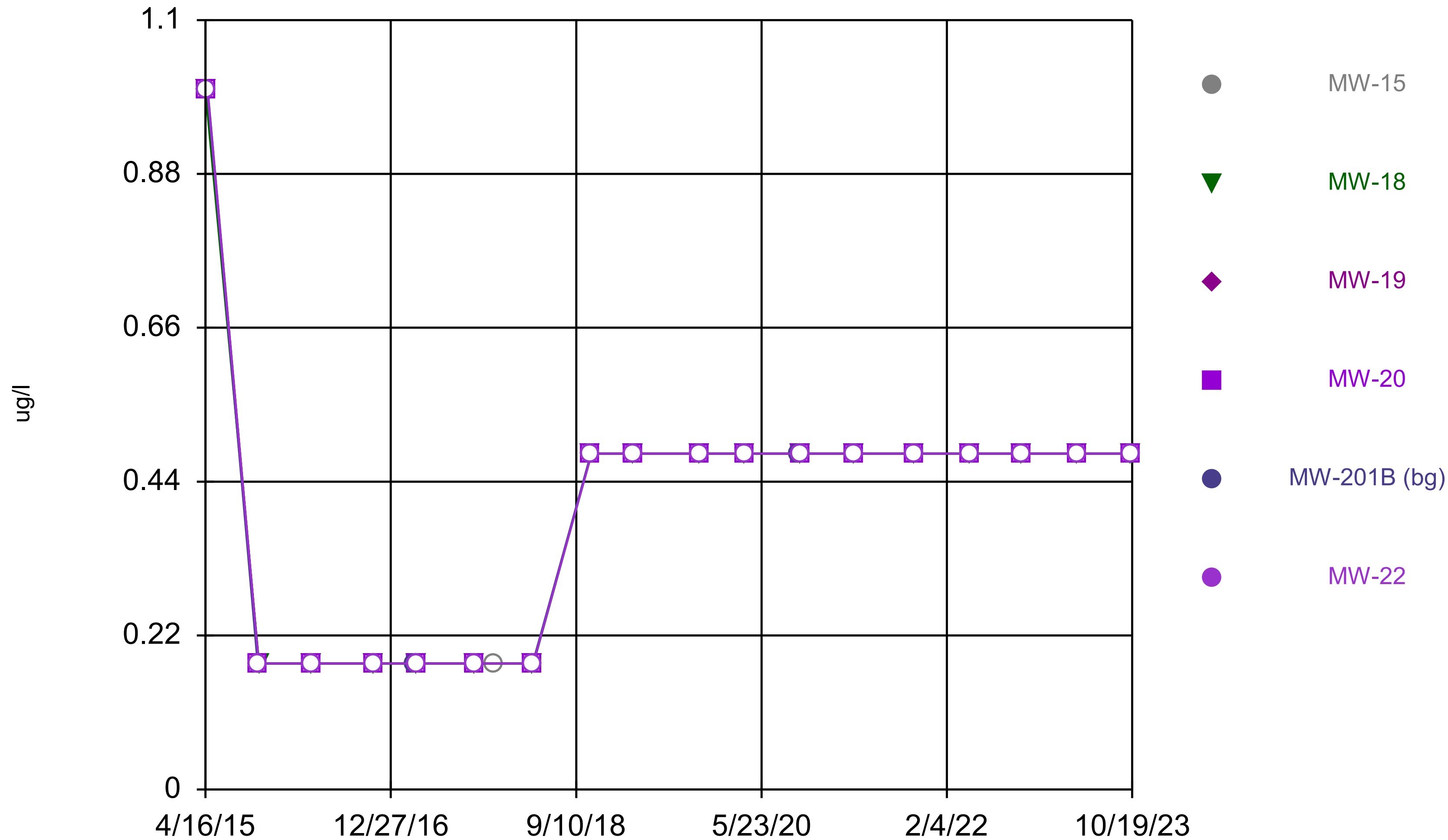
Time Series



Constituent: Tetrachloroethene   Analysis Run 11/20/2023 2:19 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
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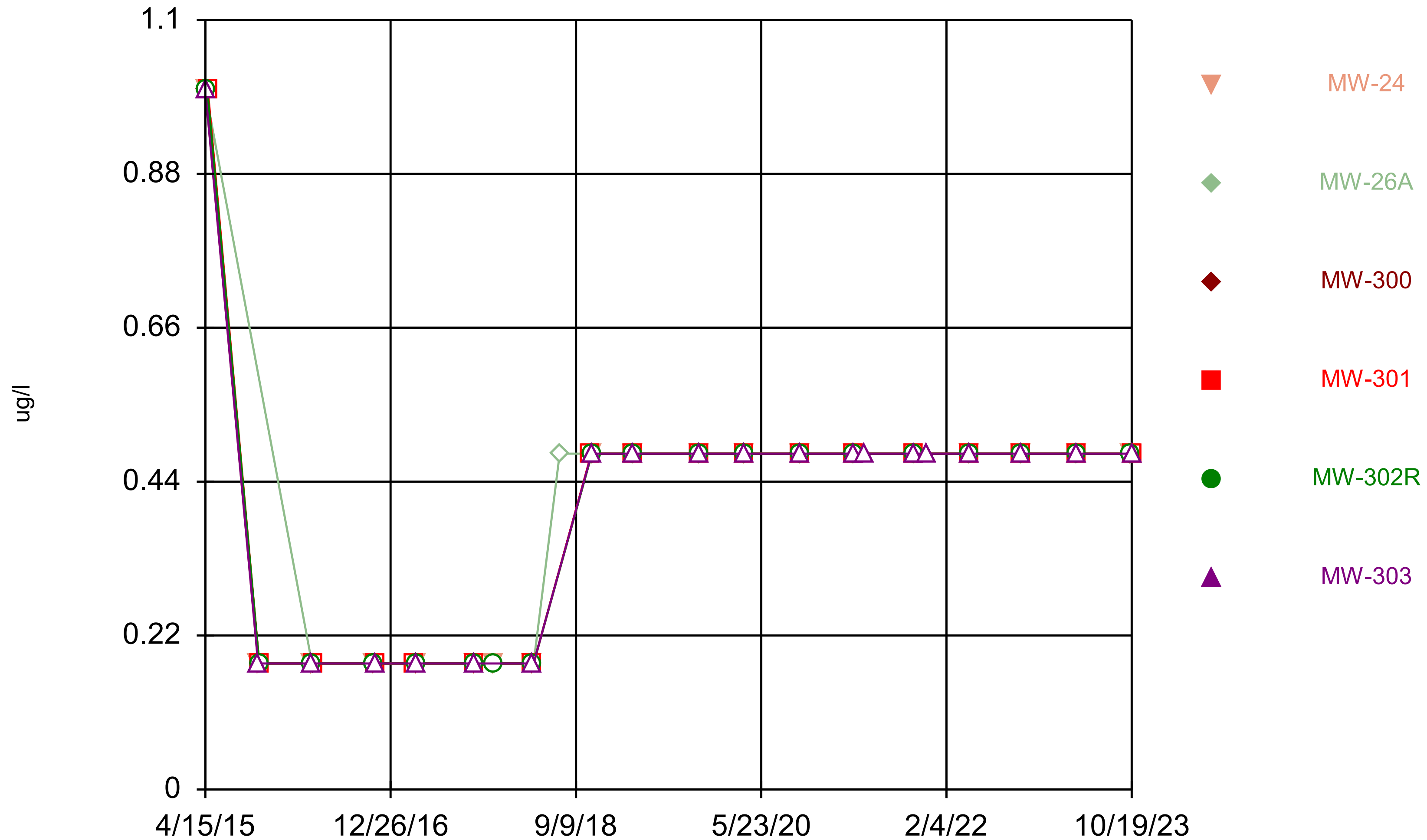
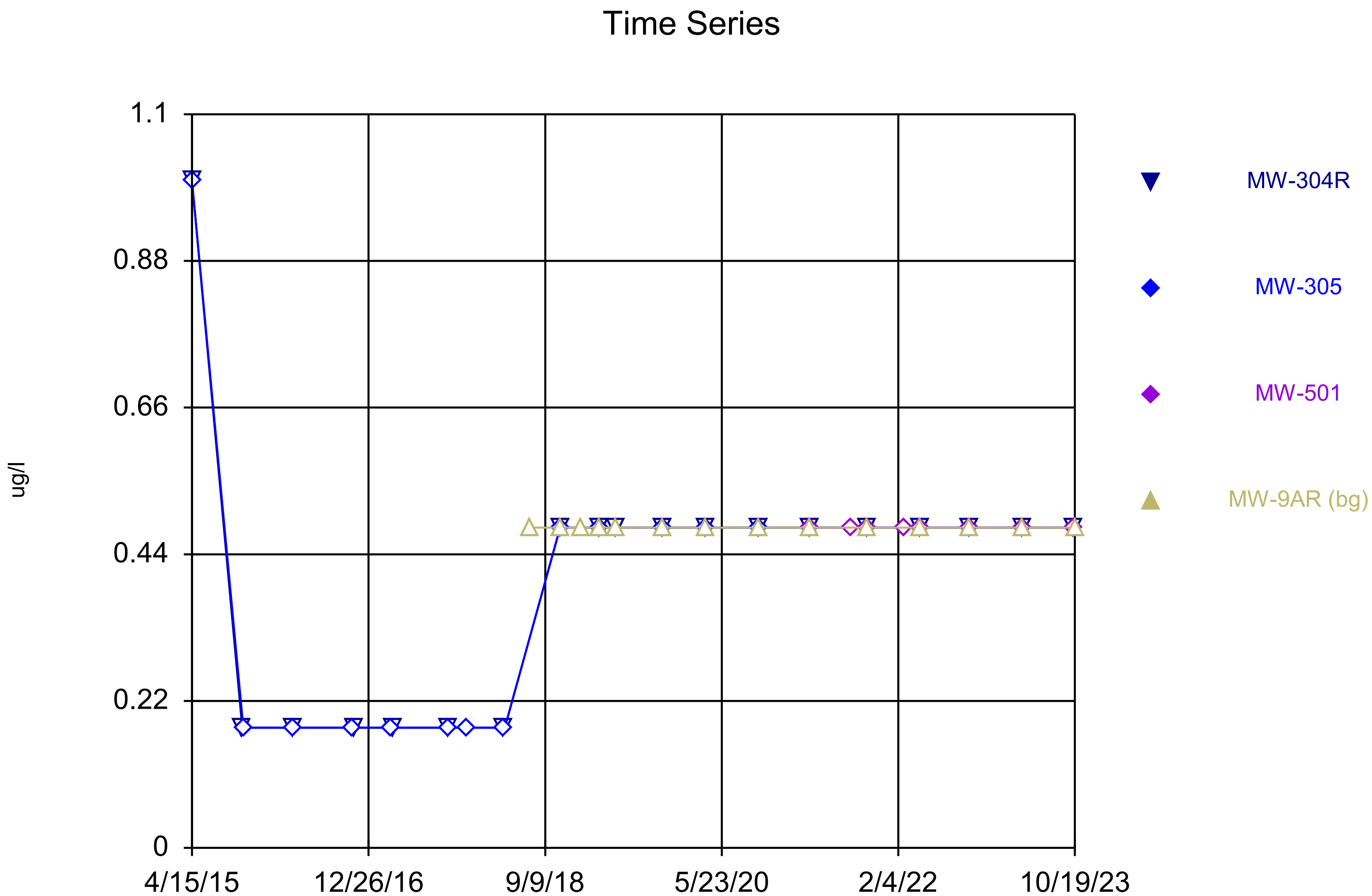
Time Series



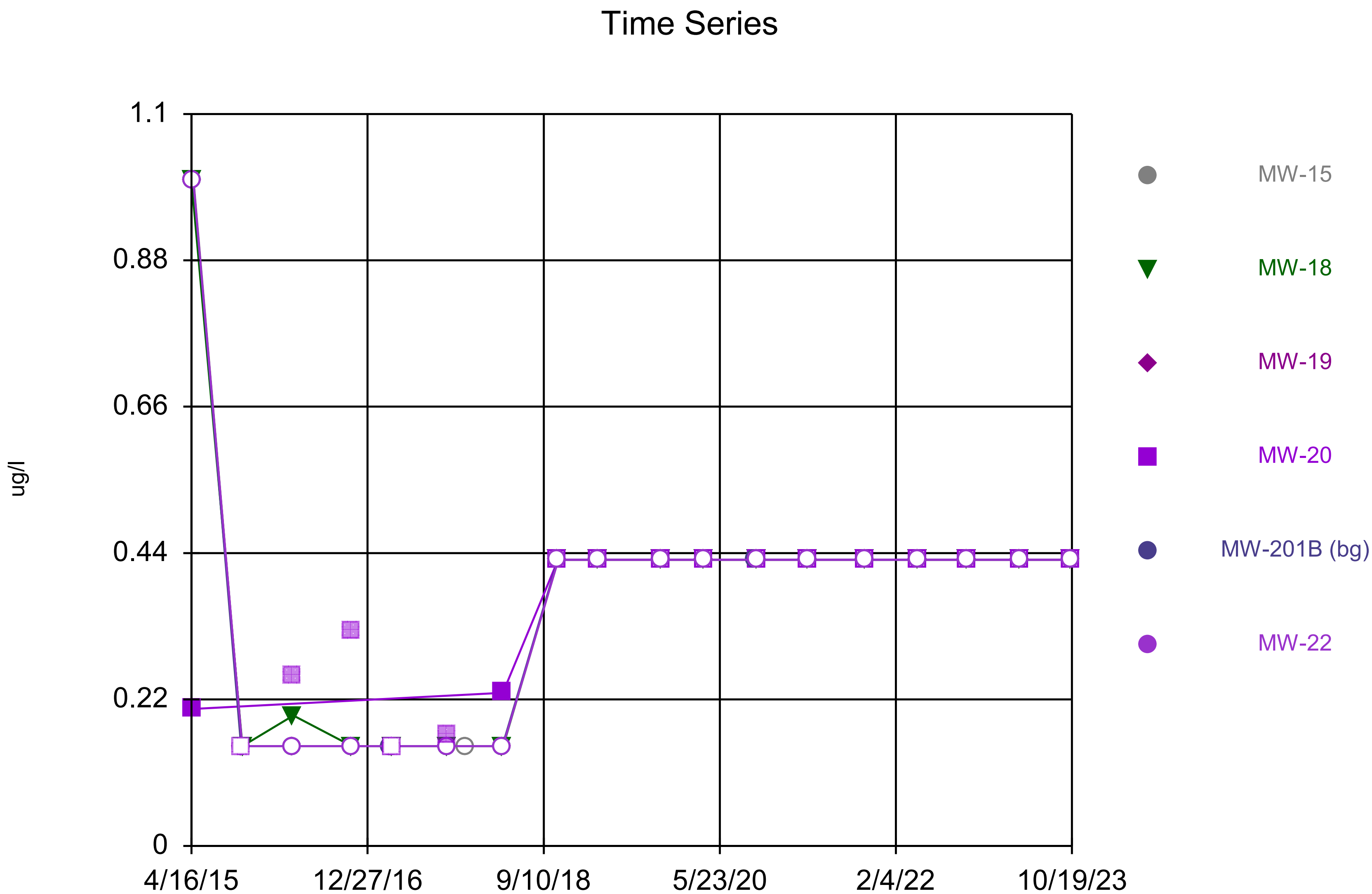
Constituent: Tetrachloroethene Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Tetrachloroethene   Analysis Run 11/20/2023 2:19 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Toluene Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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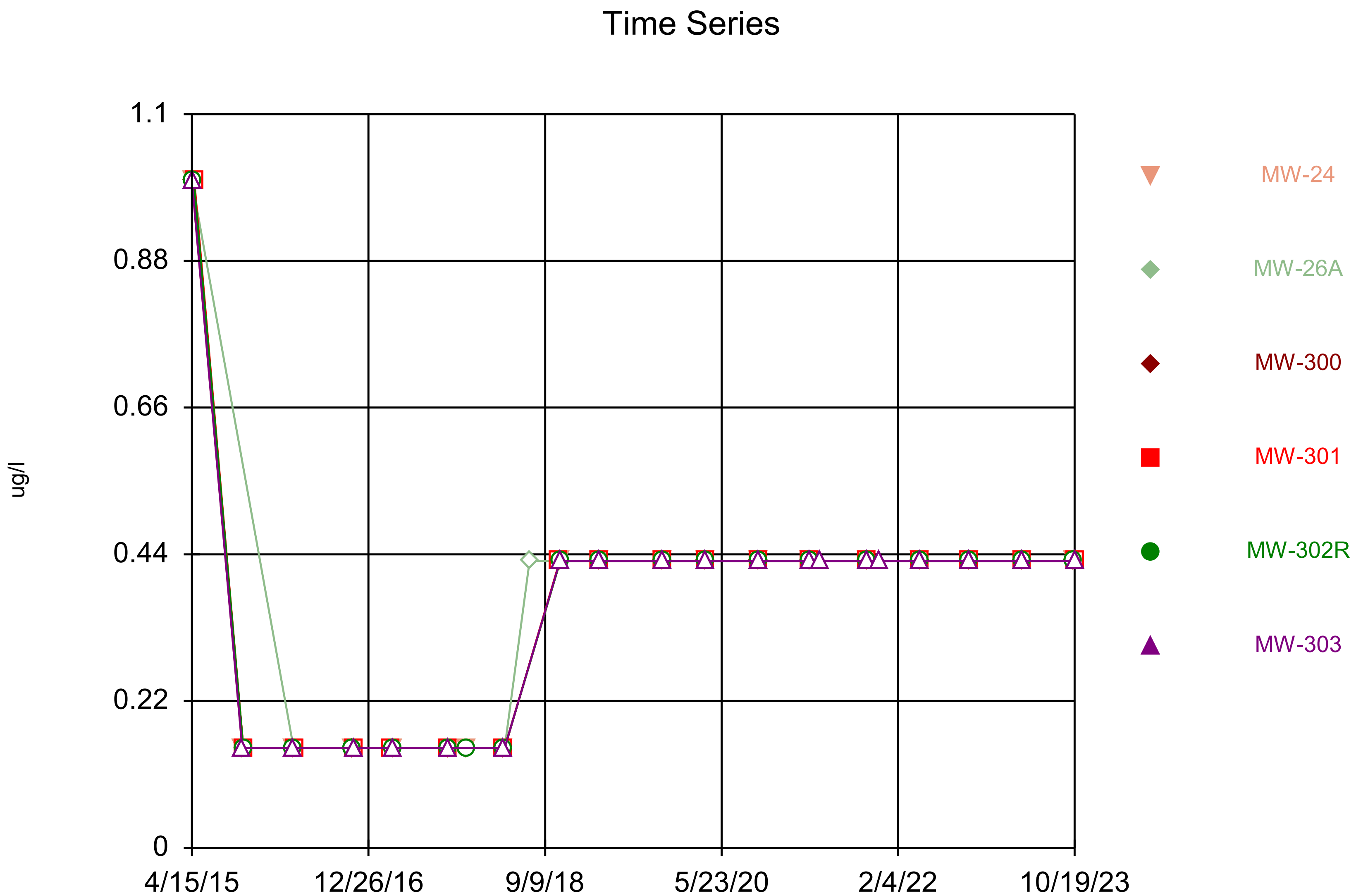

Constituent: Toluene   Analysis Run 11/20/2023 2:19 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
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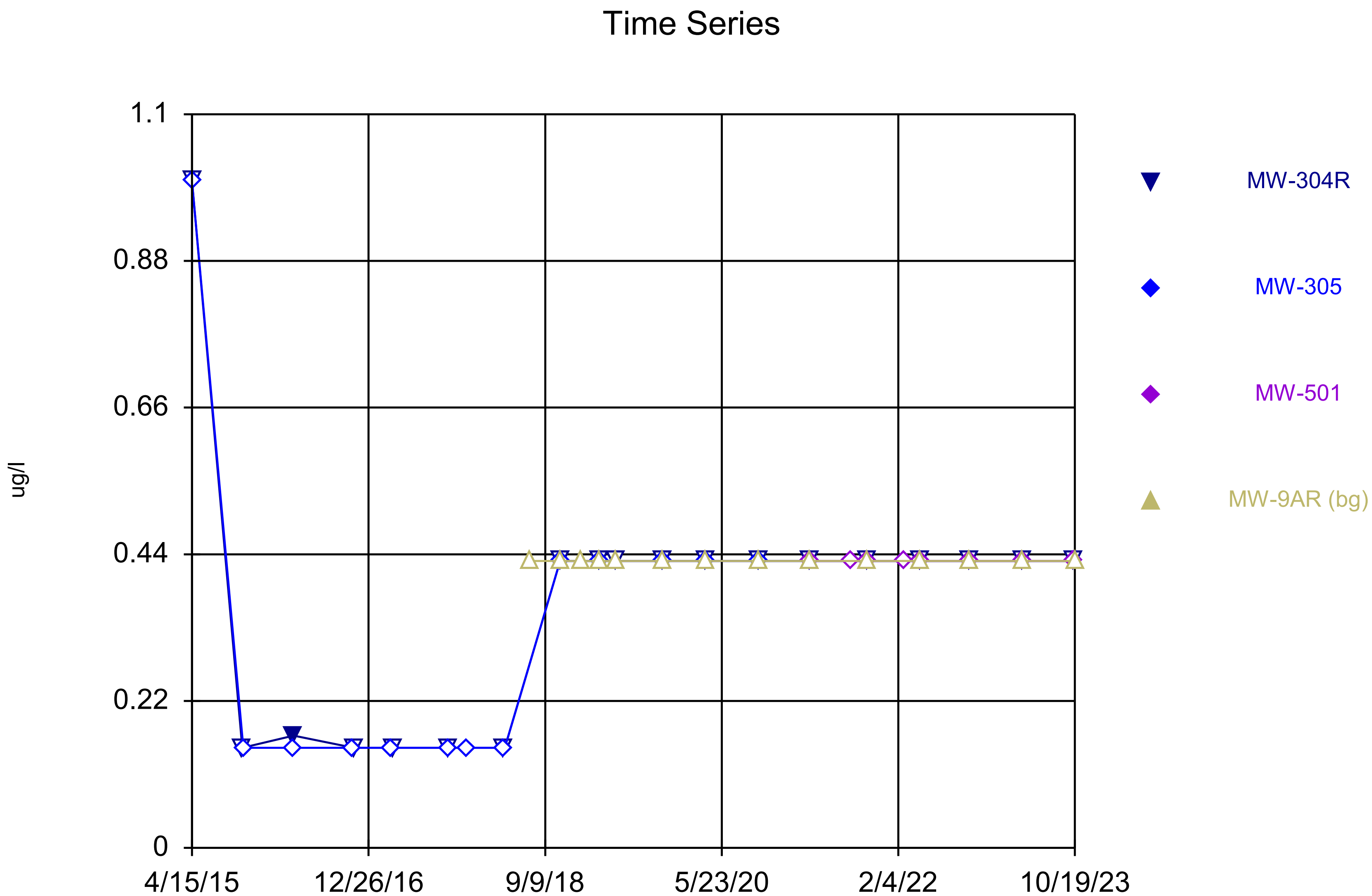

Constituent: Toluene Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
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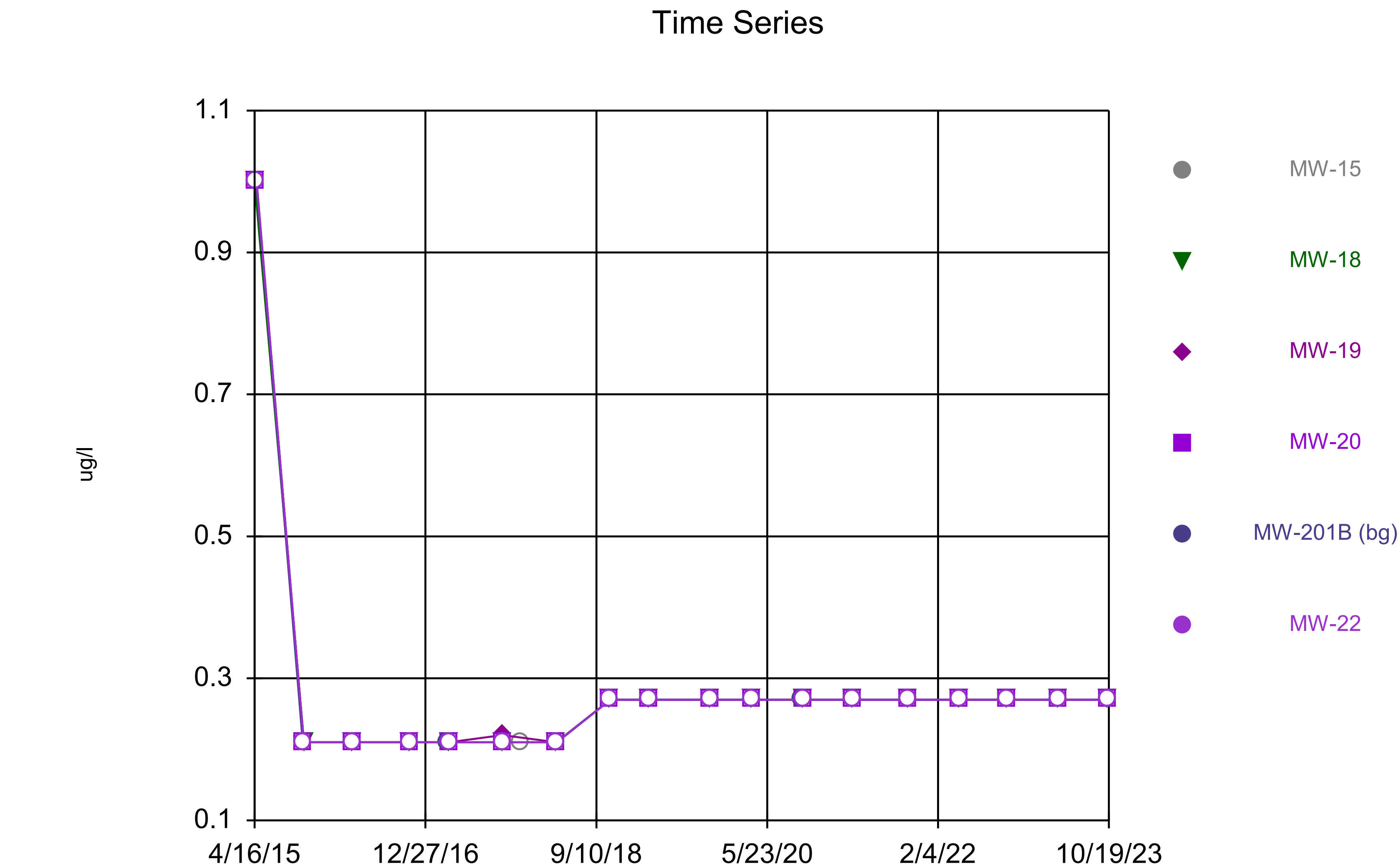
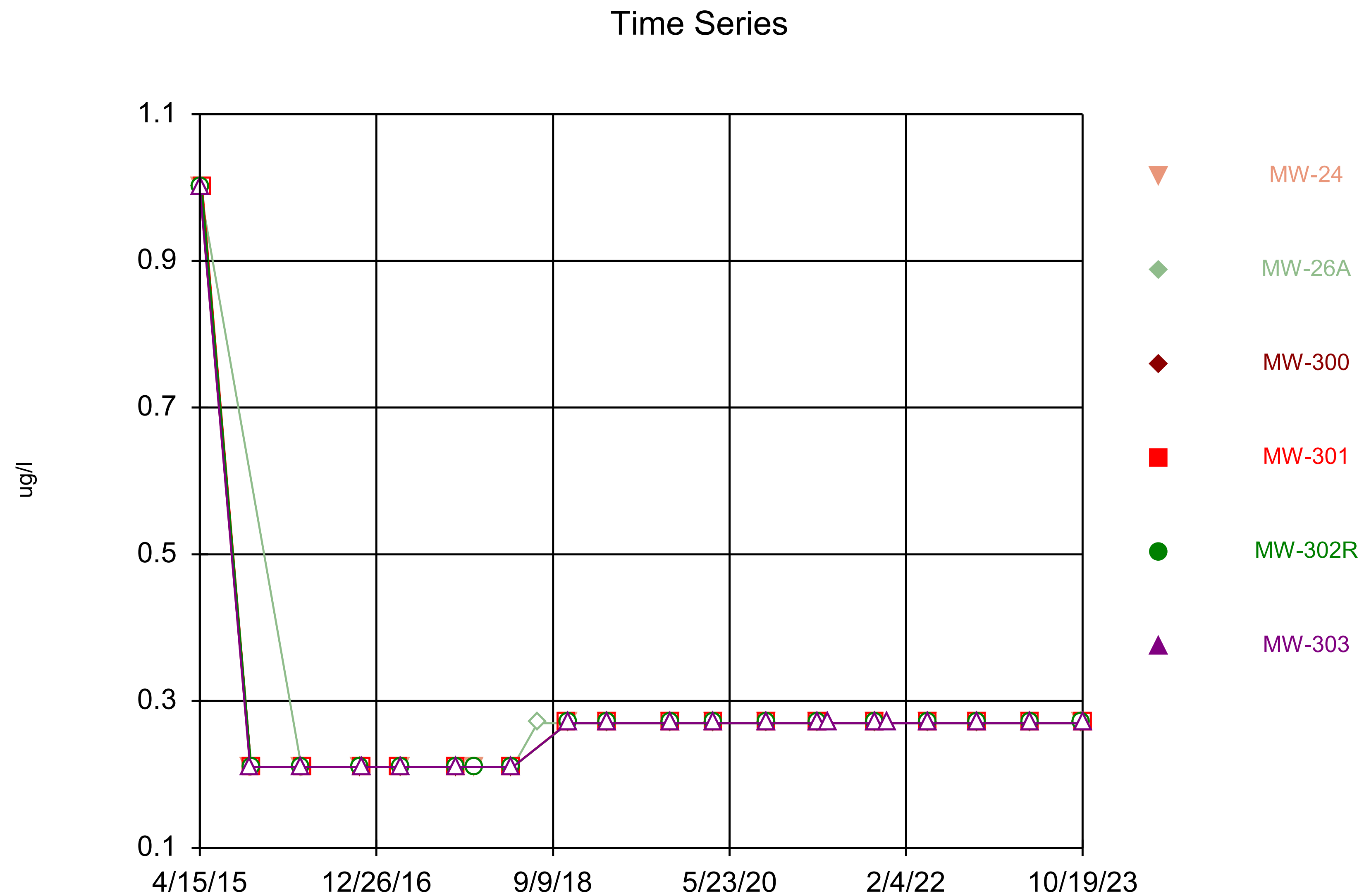


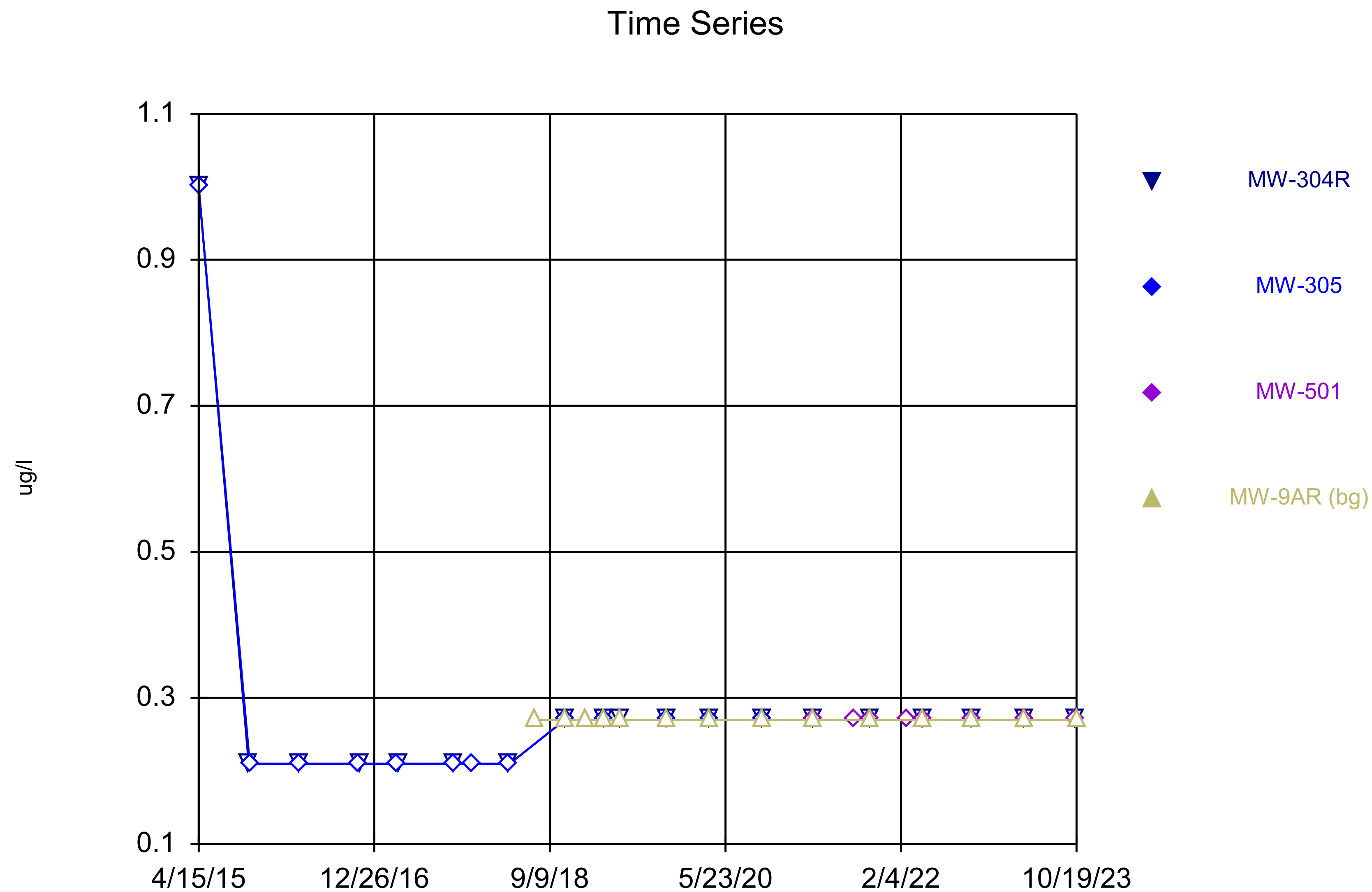
Constituent: trans-1,2-Dichloroethene Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: trans-1,2-Dichloroethene   Analysis Run 11/20/2023 2:19 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: trans-1,2-Dichloroethene   Analysis Run 11/20/2023 2:19 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
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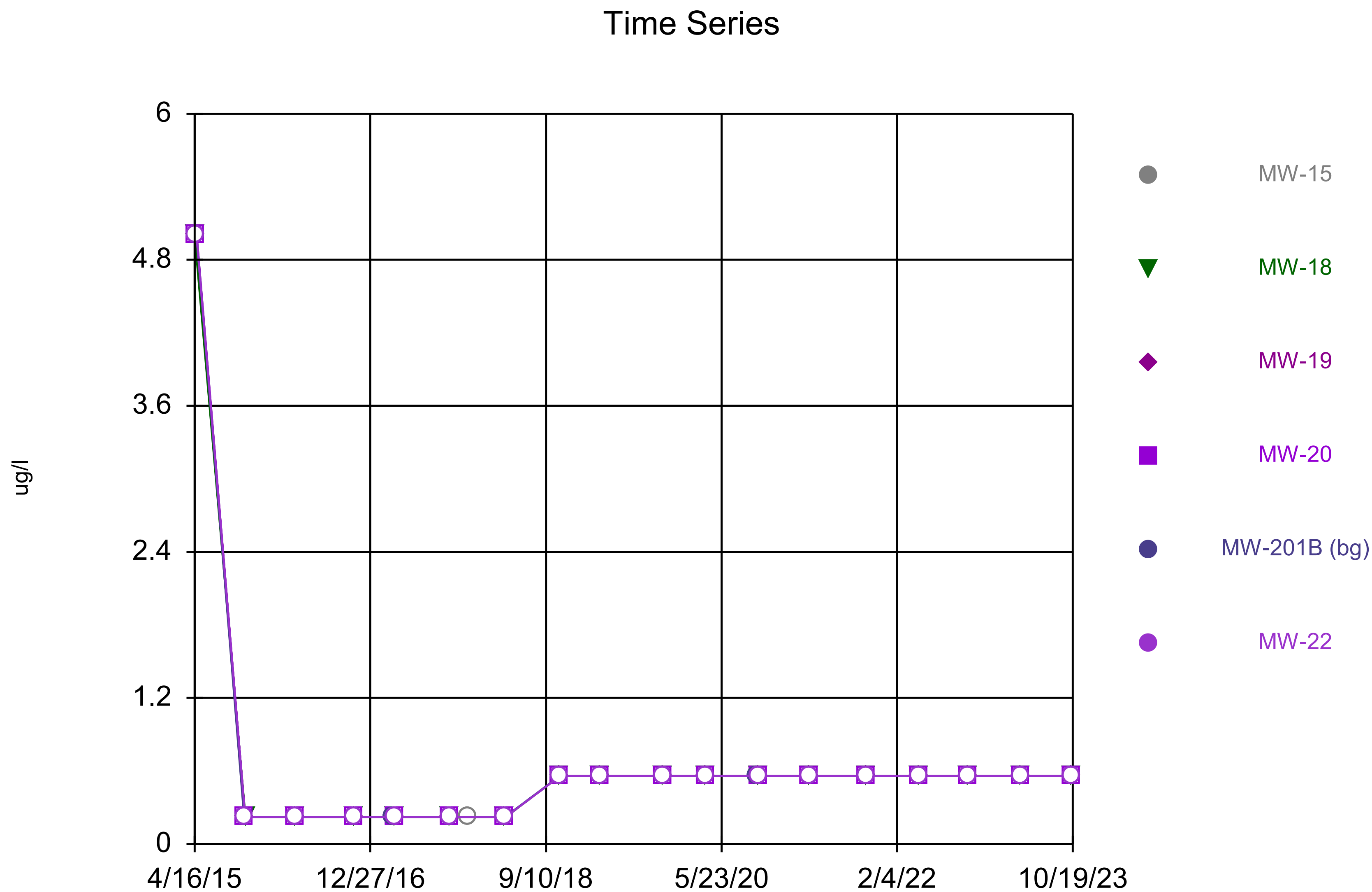
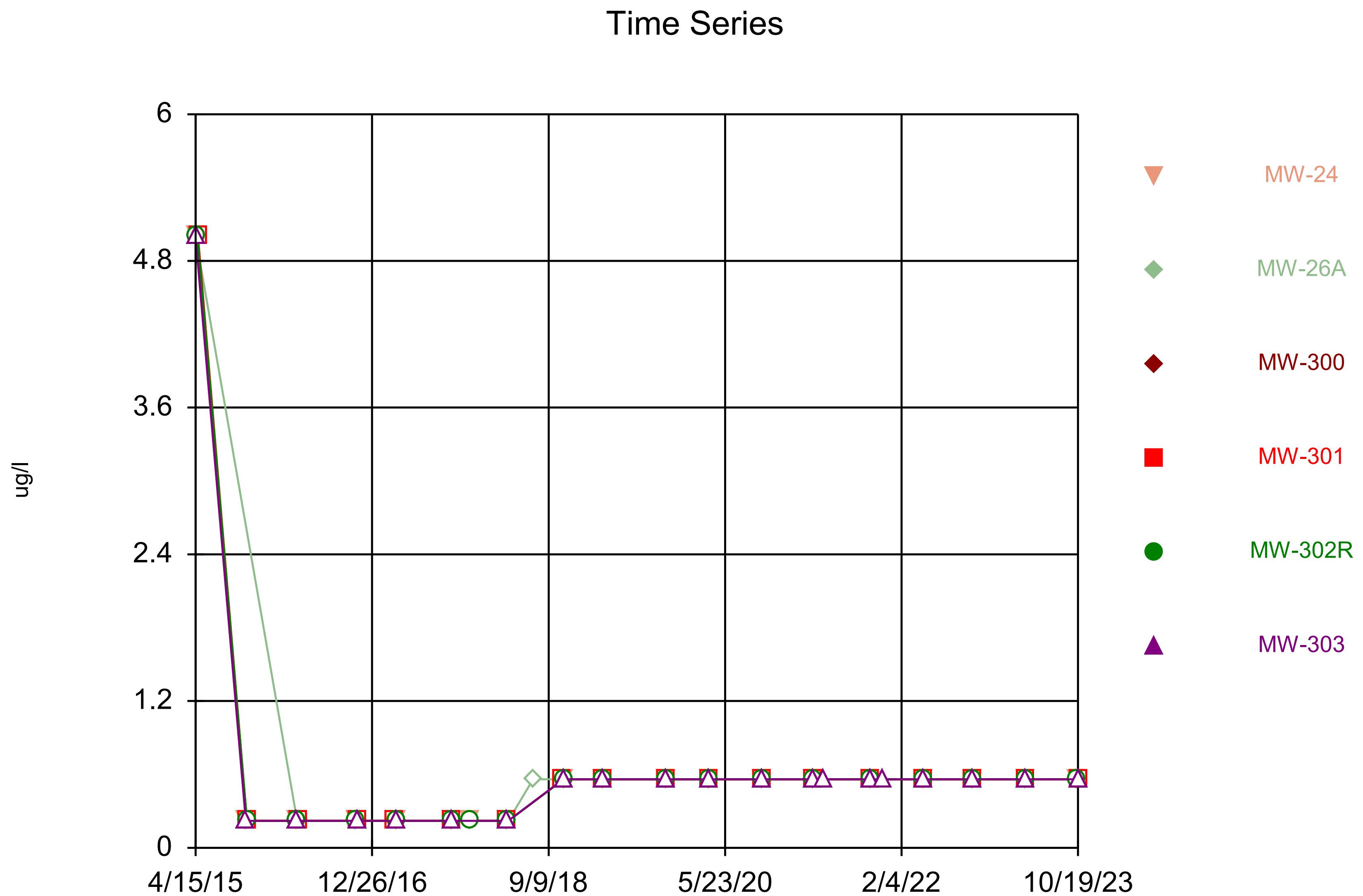


Constituent: trans-1,3-Dichloropropene Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

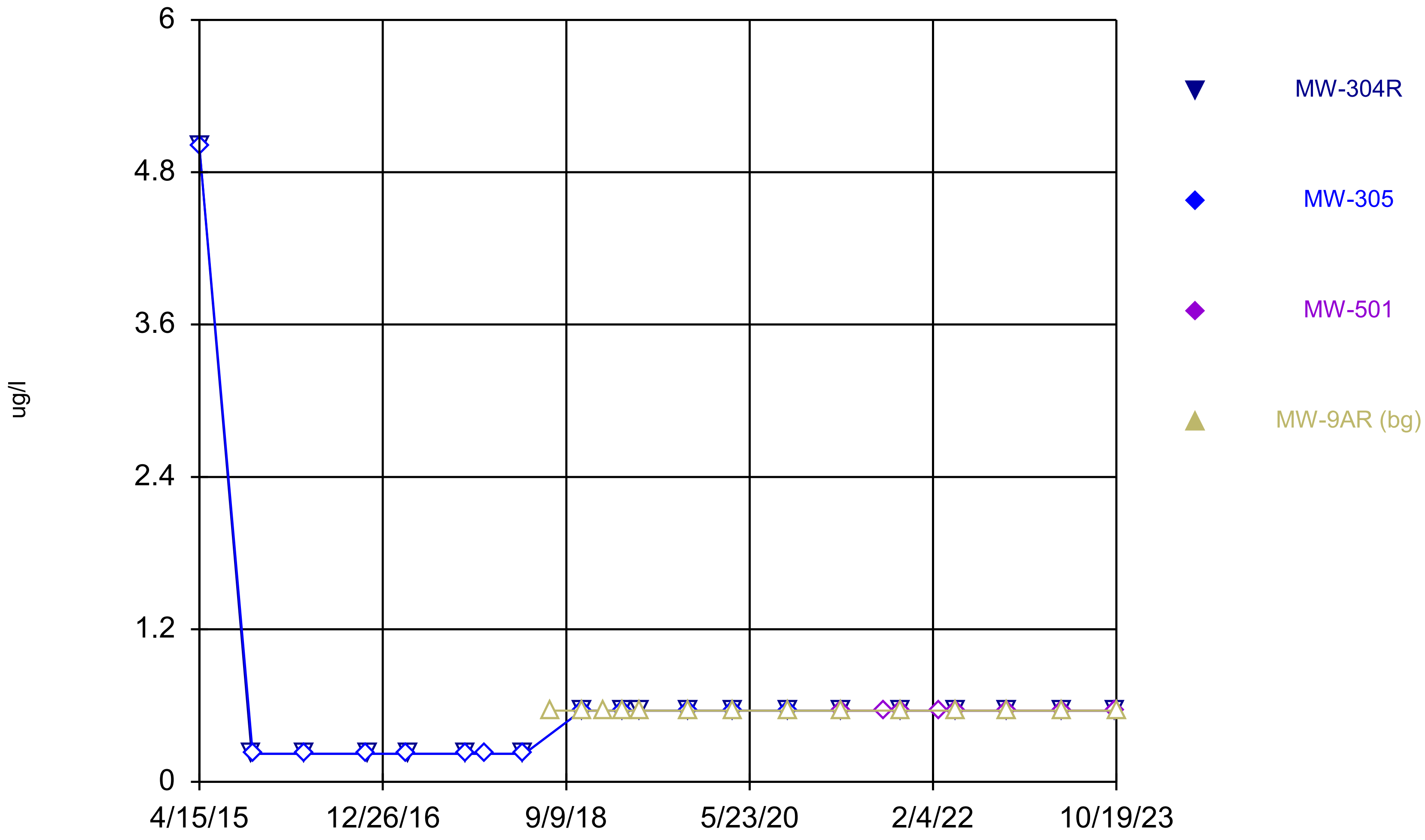
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: trans-1,3-Dichloropropene   Analysis Run 11/20/2023 2:19 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

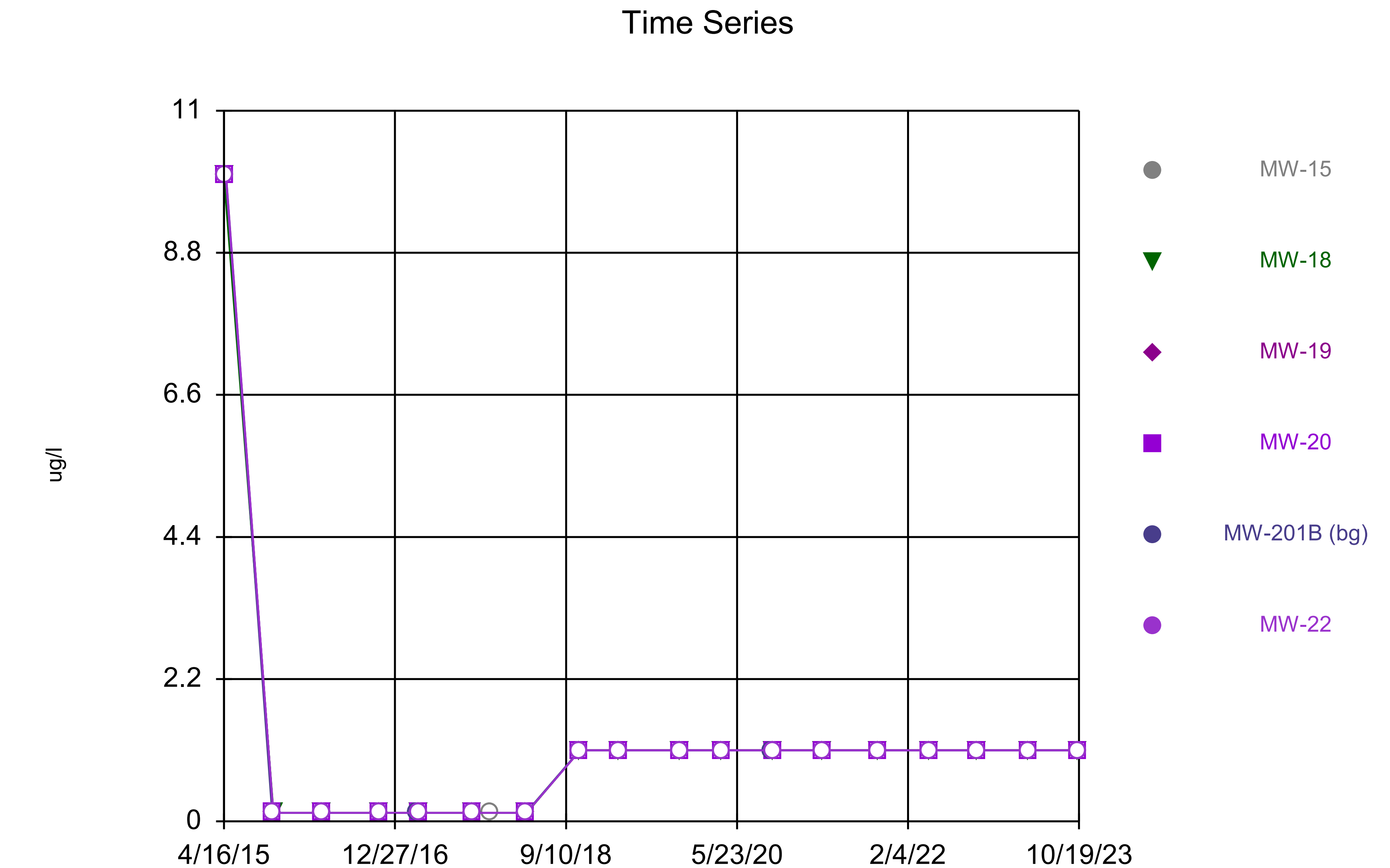
Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Time Series



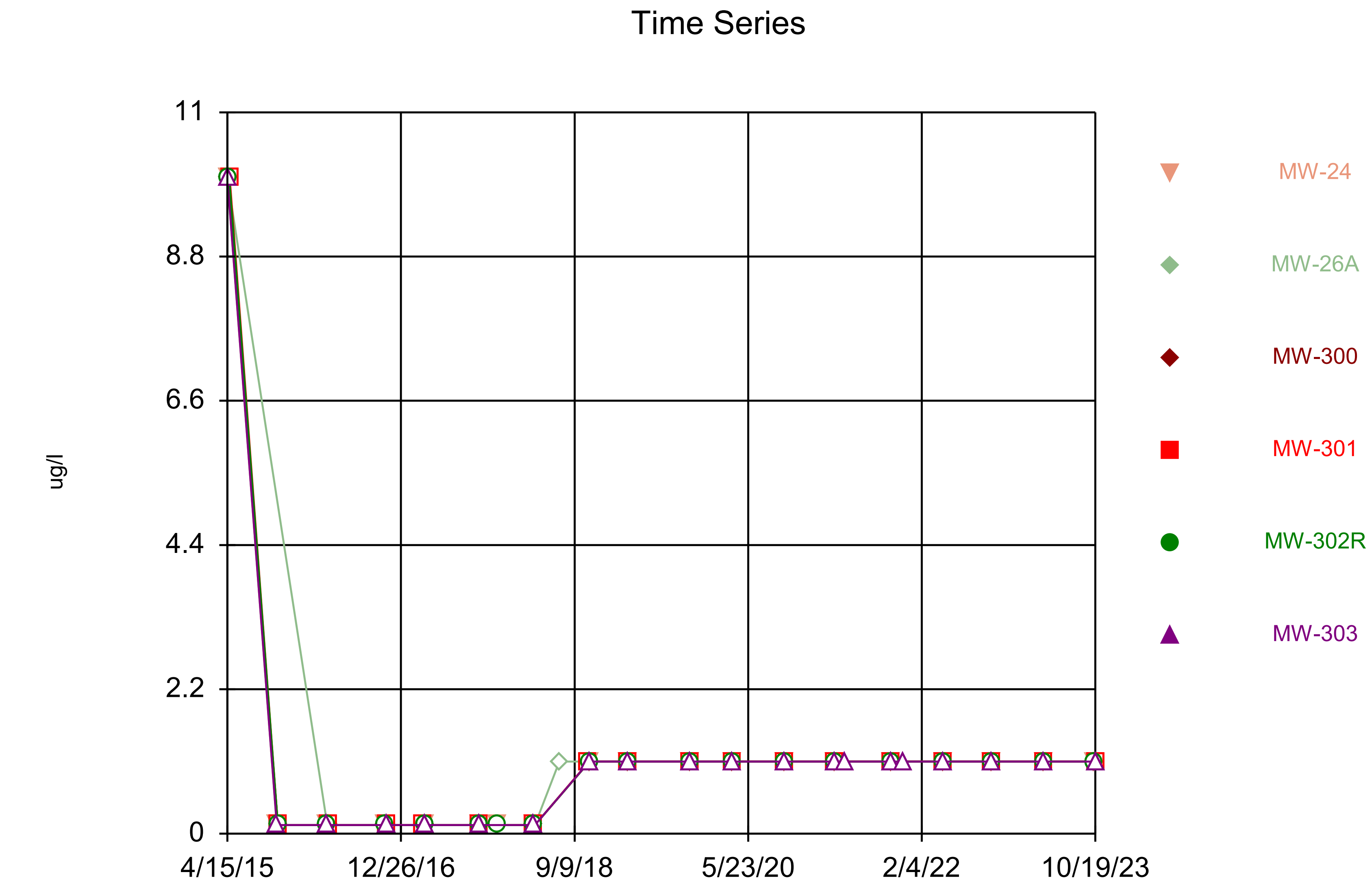
Constituent: trans-1,3-Dichloropropene   Analysis Run 11/20/2023 2:19 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



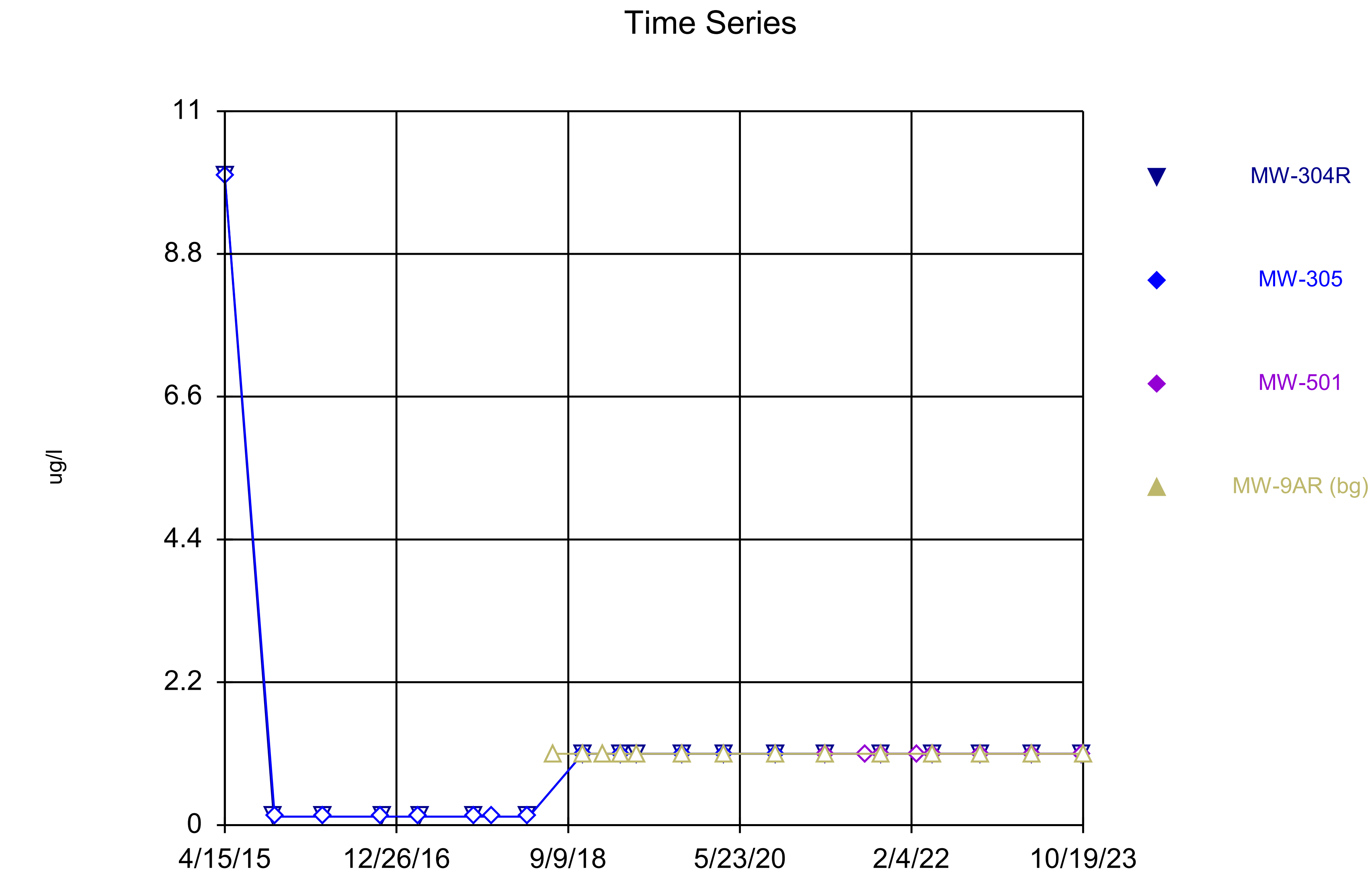
Constituent: trans-1,4-Dichloro-2-butene   Analysis Run 11/20/2023 2:19 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: trans-1,4-Dichloro-2-butene   Analysis Run 11/20/2023 2:19 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: trans-1,4-Dichloro-2-butene Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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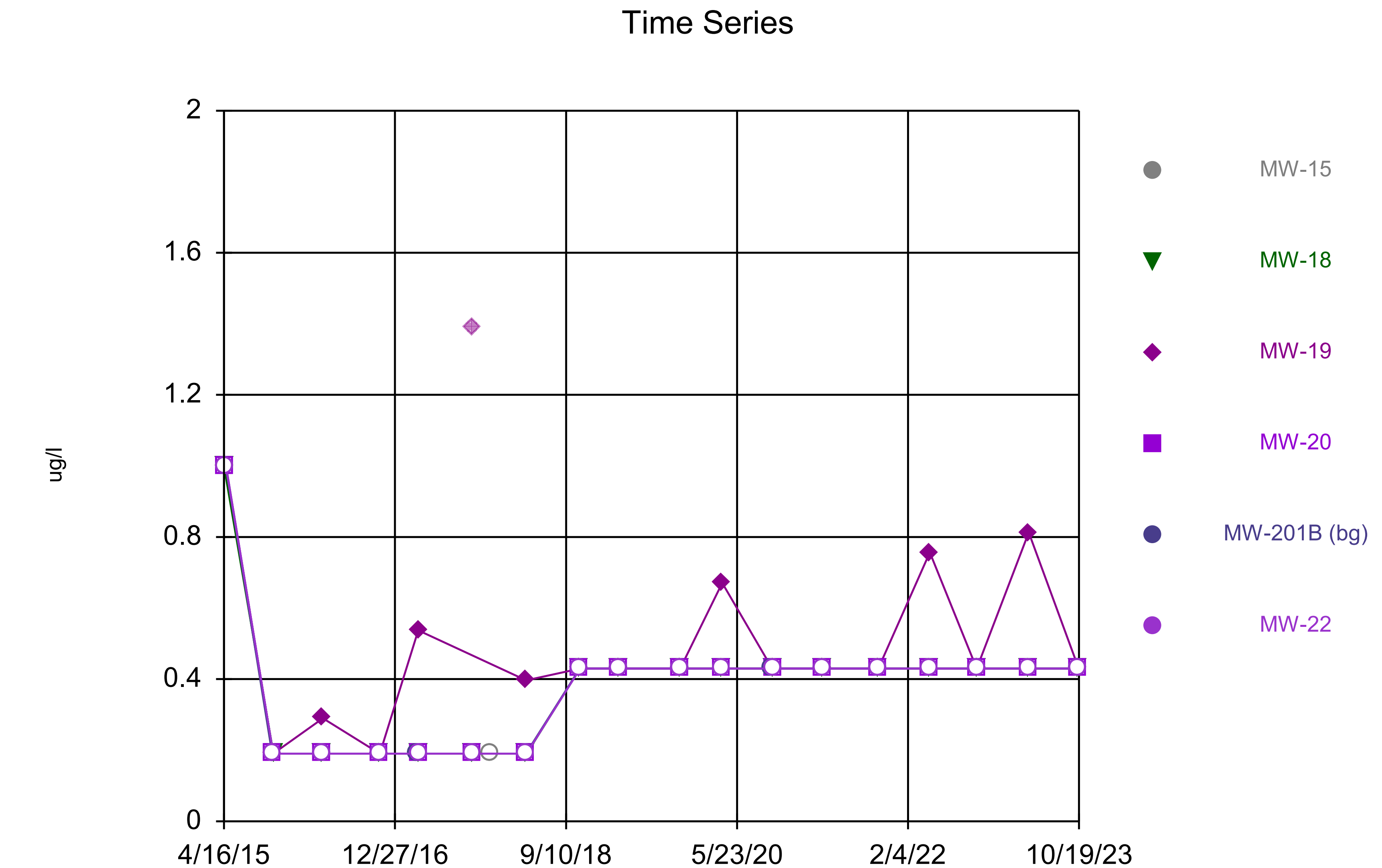
Hollow symbols indicate censored values.



Constituent: Trichloroethene Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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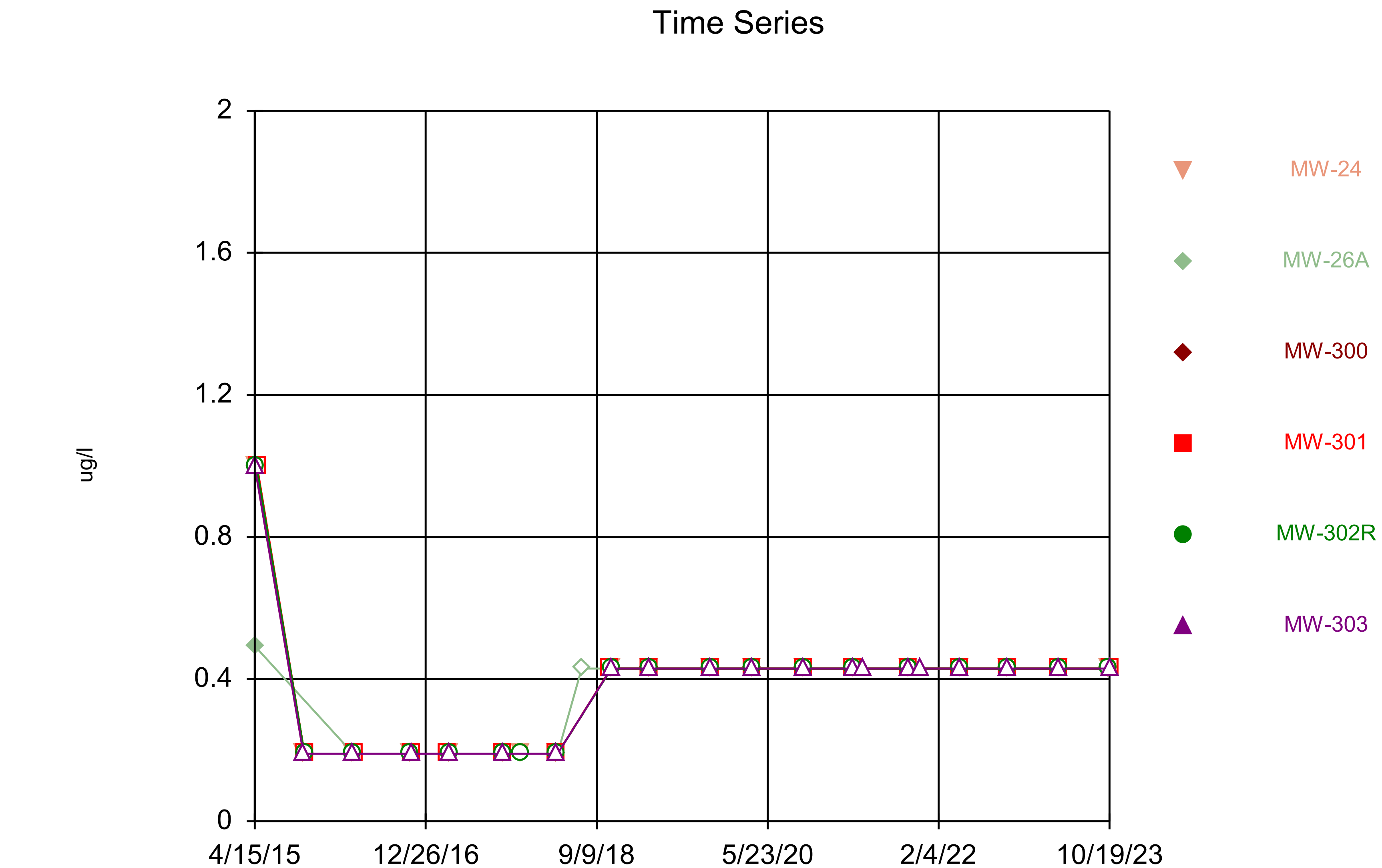
Hollow symbols indicate censored values.



Constituent: Trichloroethene Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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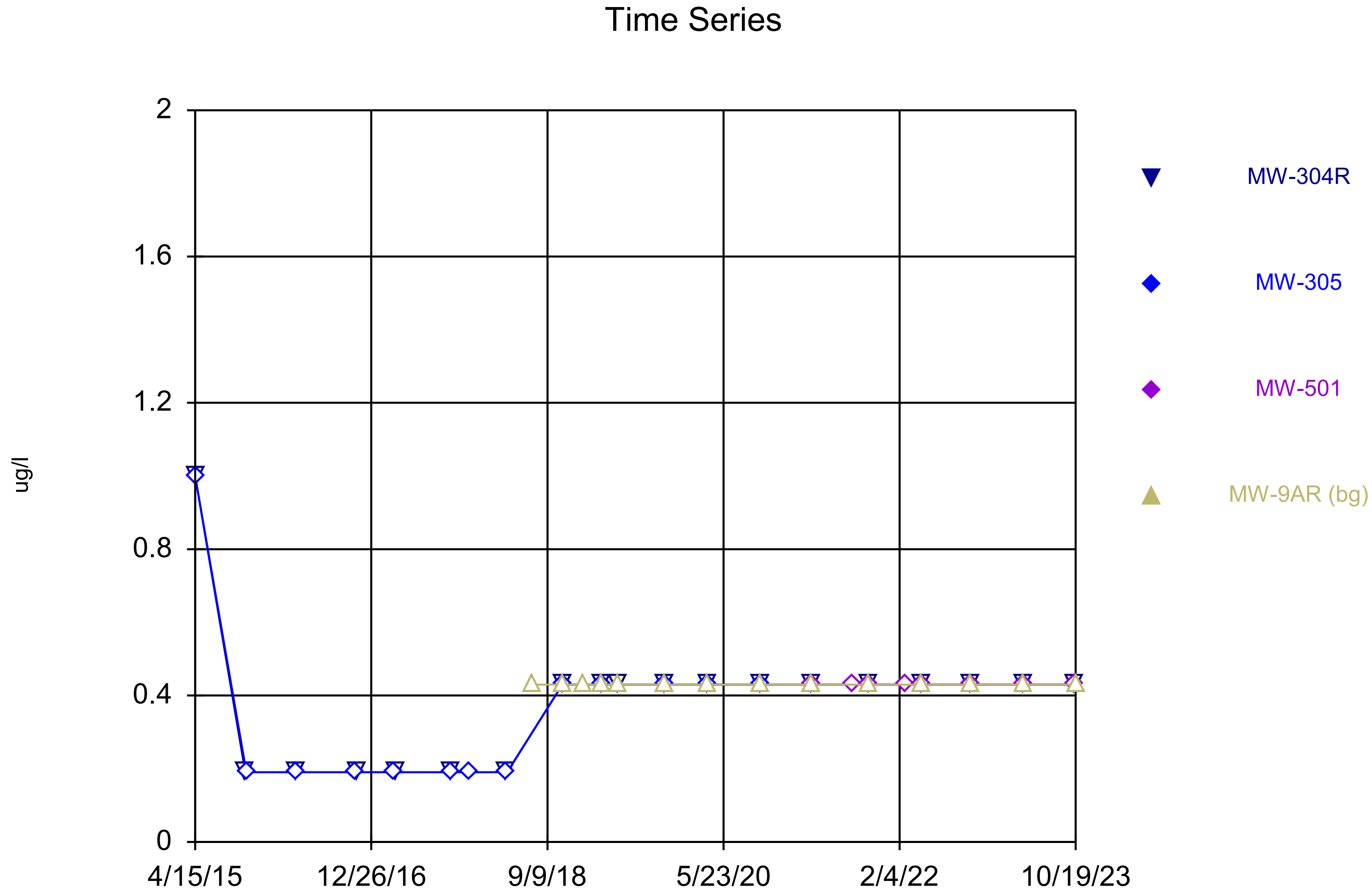
Hollow symbols indicate censored values.



Constituent: Trichloroethene   Analysis Run 11/20/2023 2:19 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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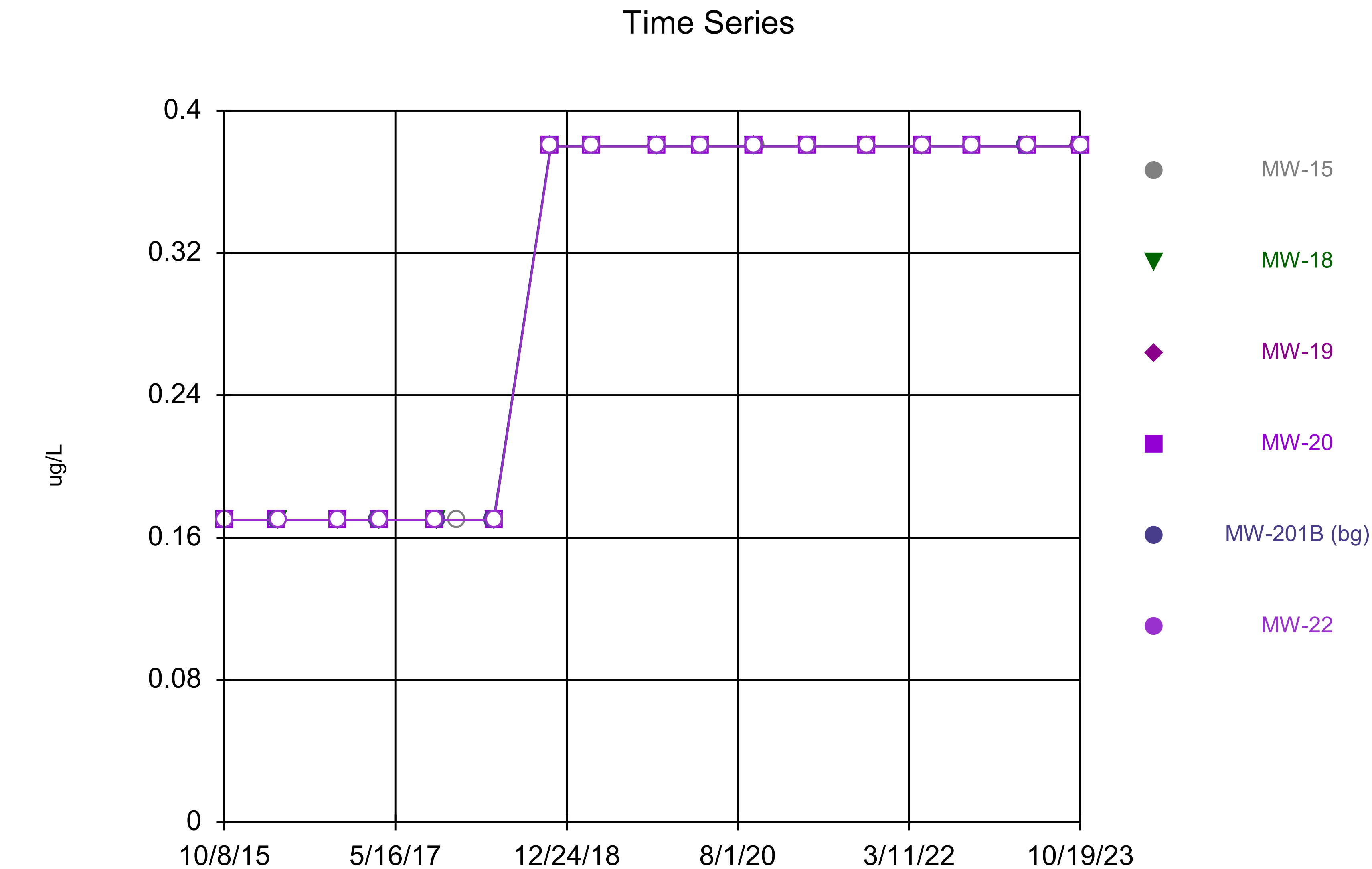

Constituent: Trichlorofluoromethane   Analysis Run 11/20/2023 2:19 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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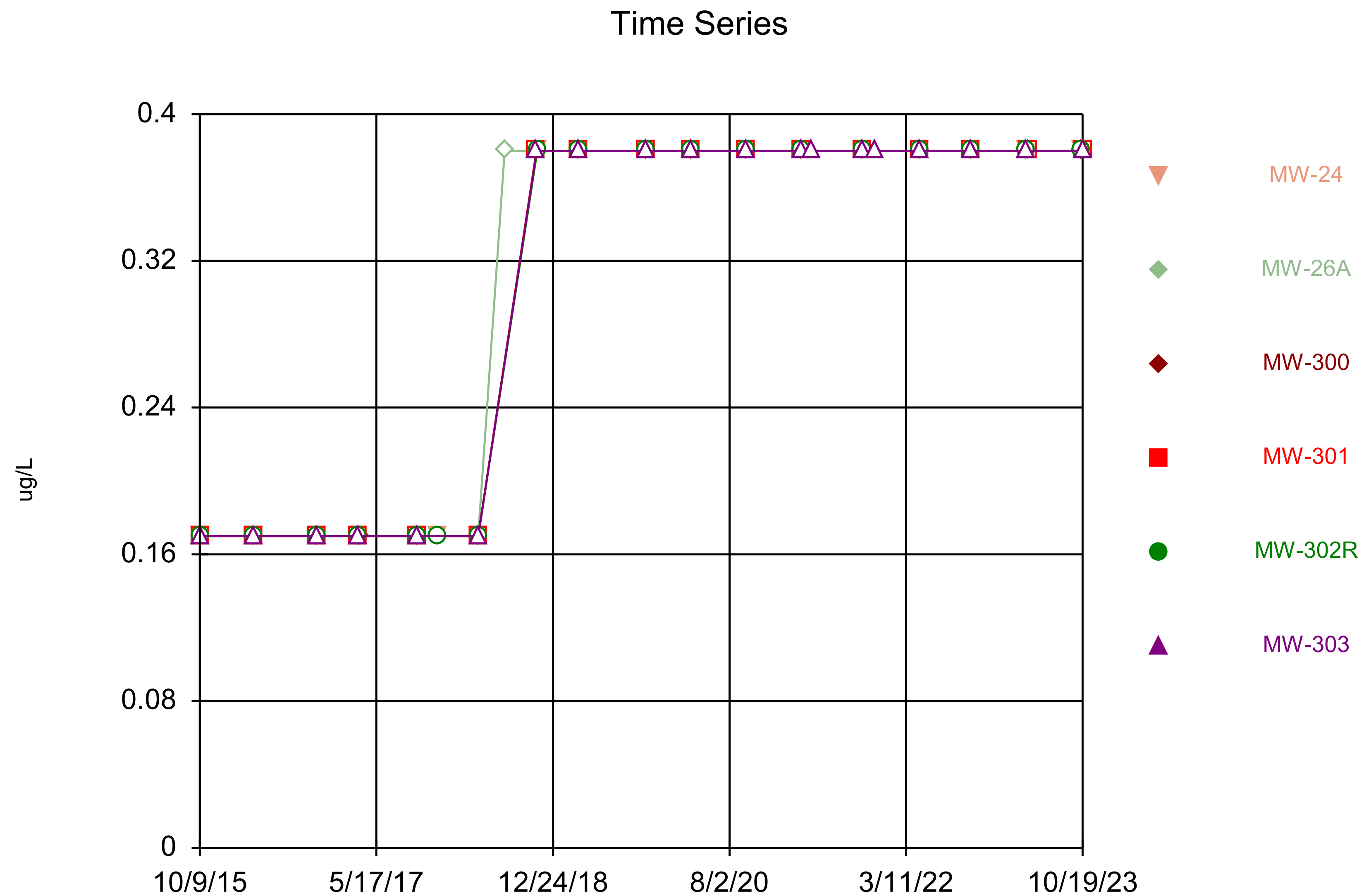
Hollow symbols indicate censored values.



Constituent: Trichlorofluoromethane Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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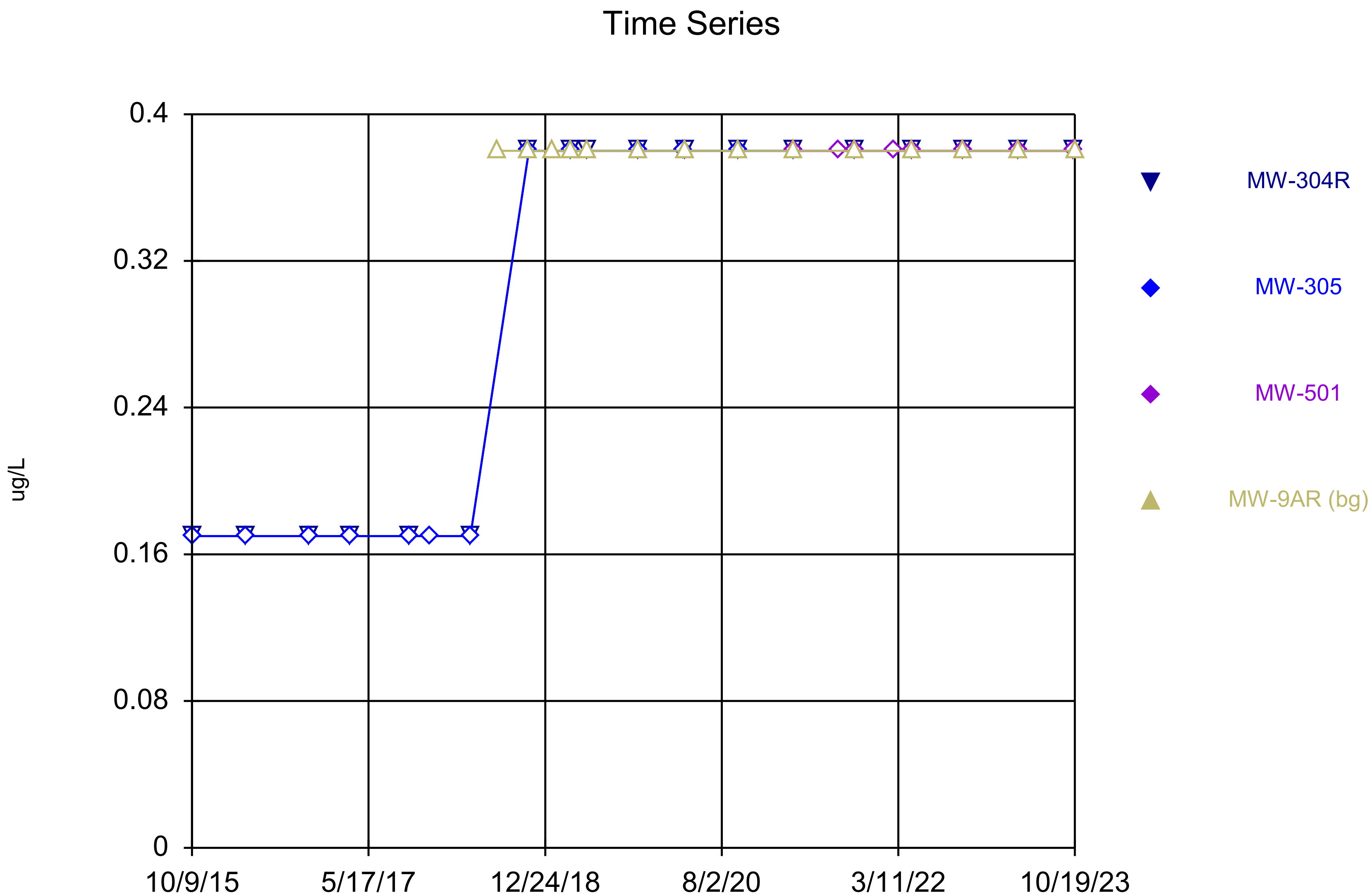
Hollow symbols indicate censored values.



Constituent: Trichlorofluoromethane Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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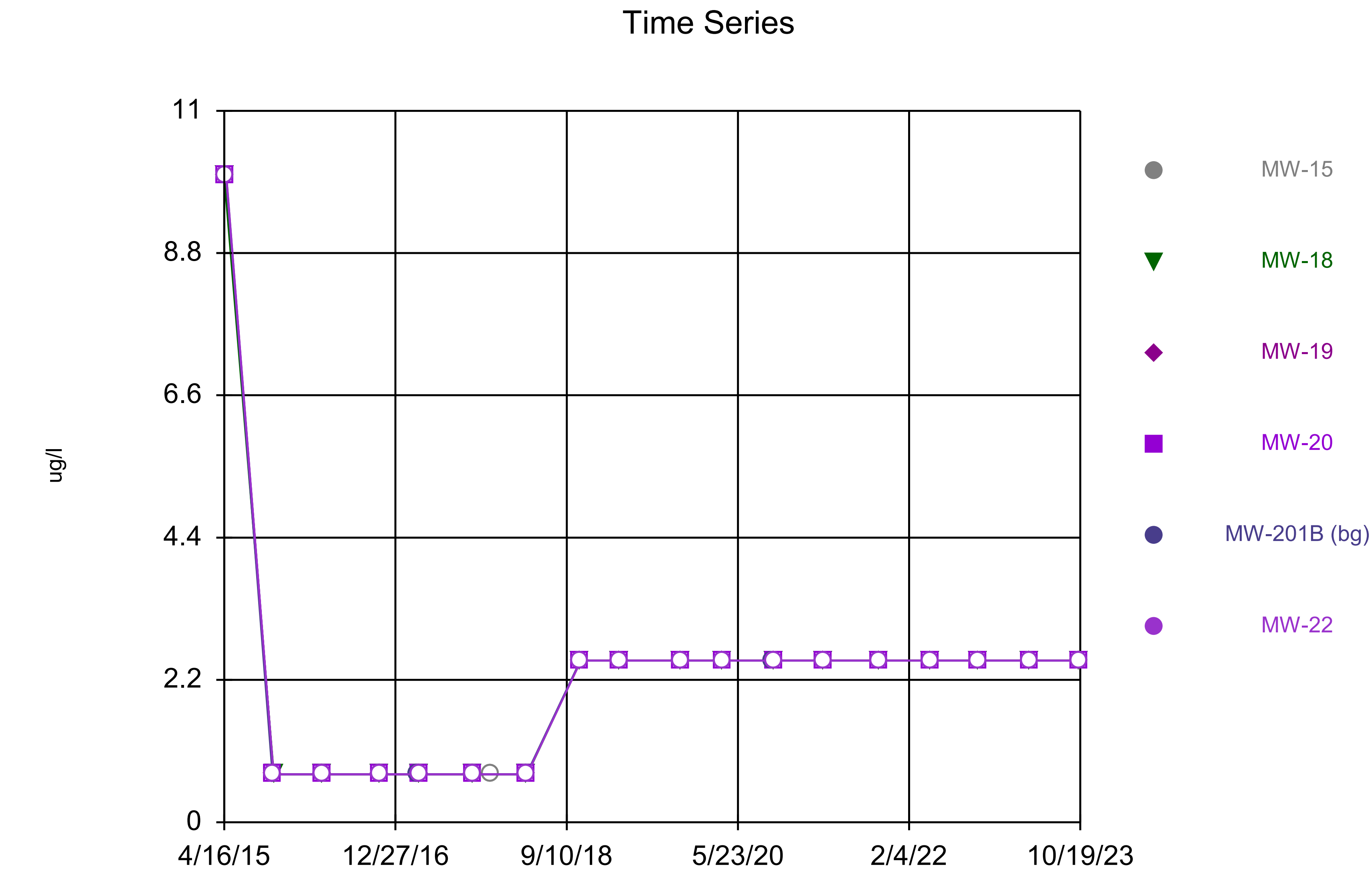
Hollow symbols indicate censored values.



Constituent: Vinyl Acetate Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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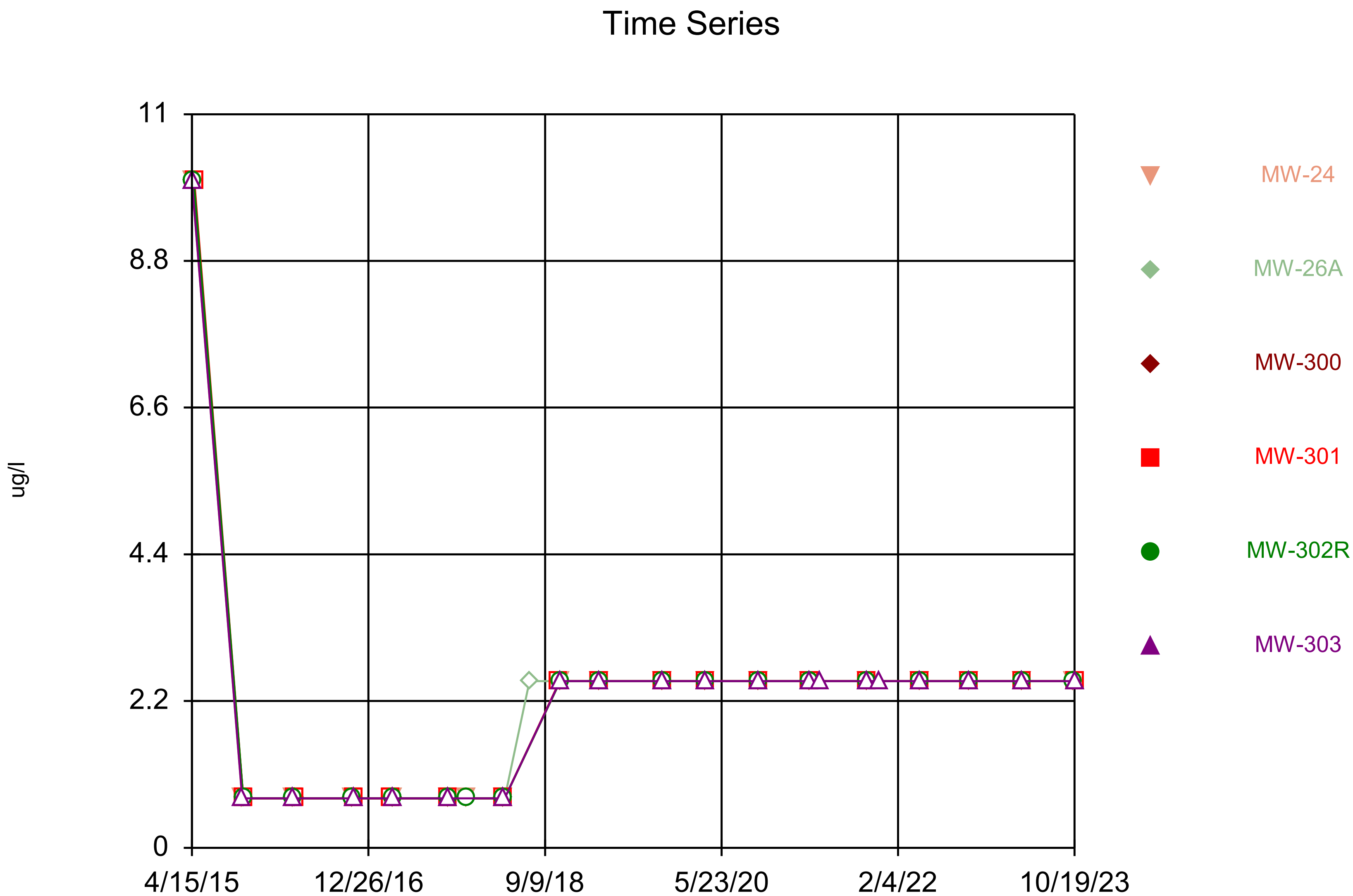
Hollow symbols indicate censored values.



Constituent: Vinyl Acetate   Analysis Run 11/20/2023 2:19 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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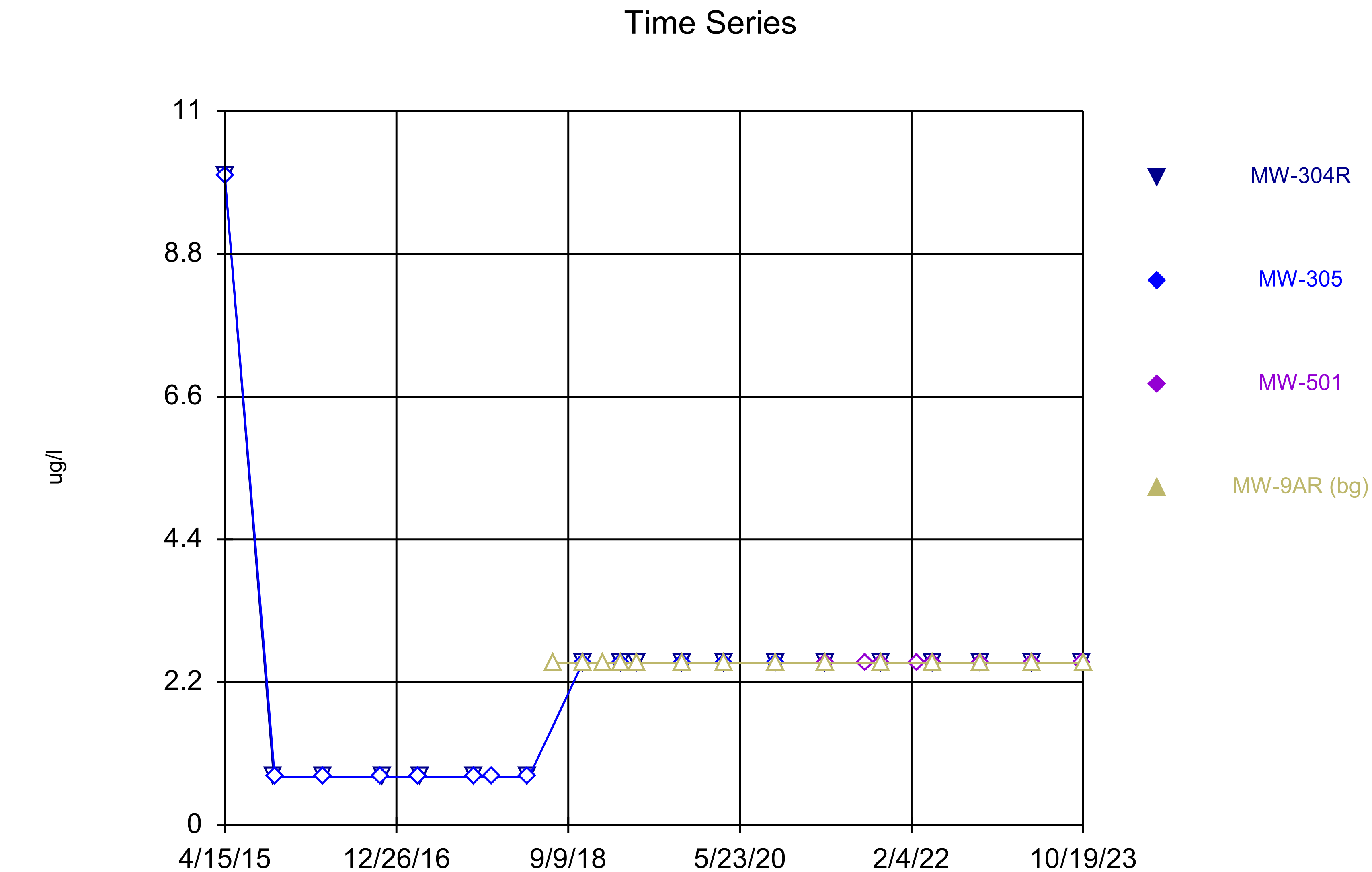
Hollow symbols indicate censored values.



Constituent: Vinyl Acetate   Analysis Run 11/20/2023 2:19 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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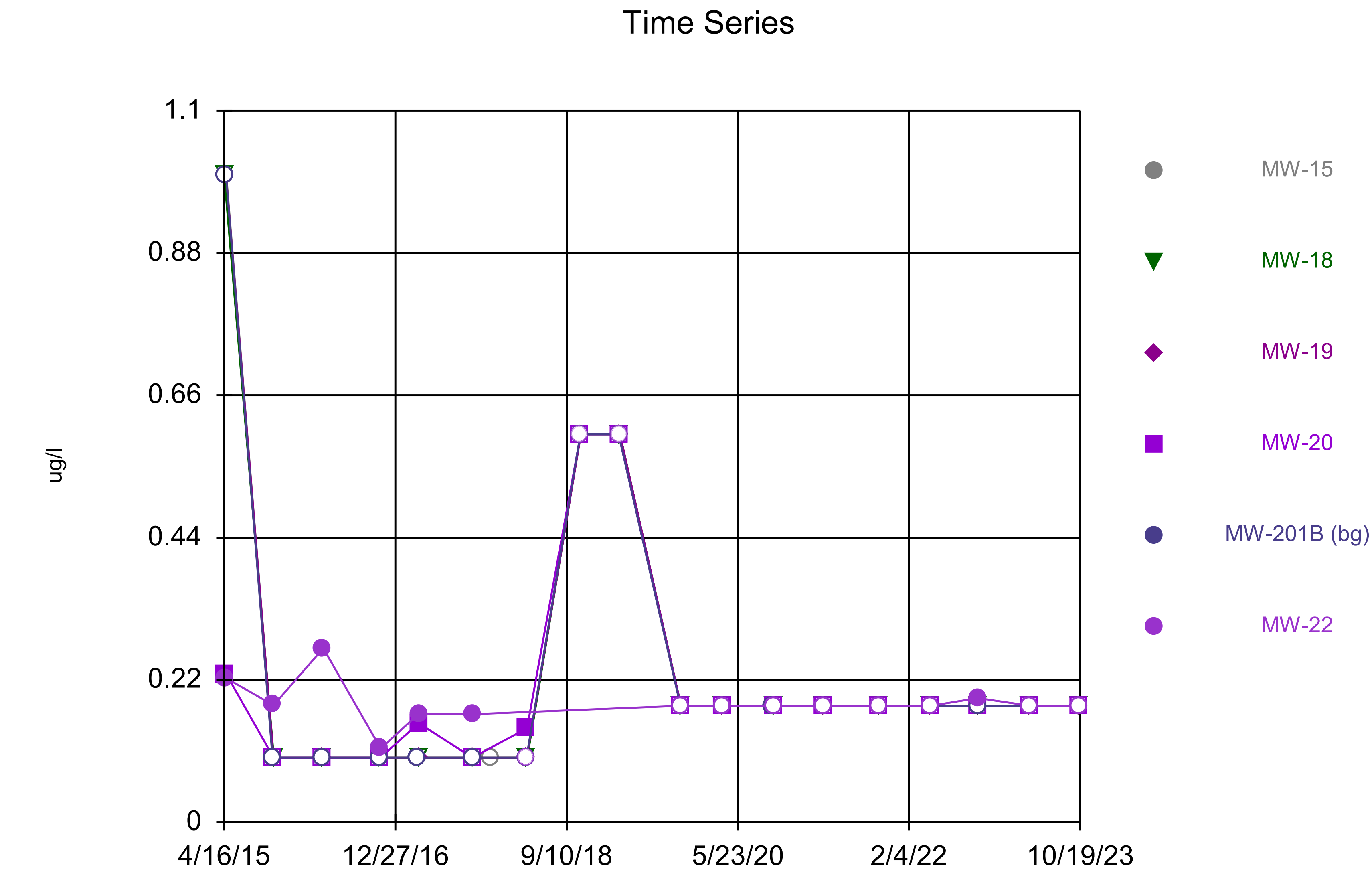
Hollow symbols indicate censored values.



Constituent: Vinyl Chloride Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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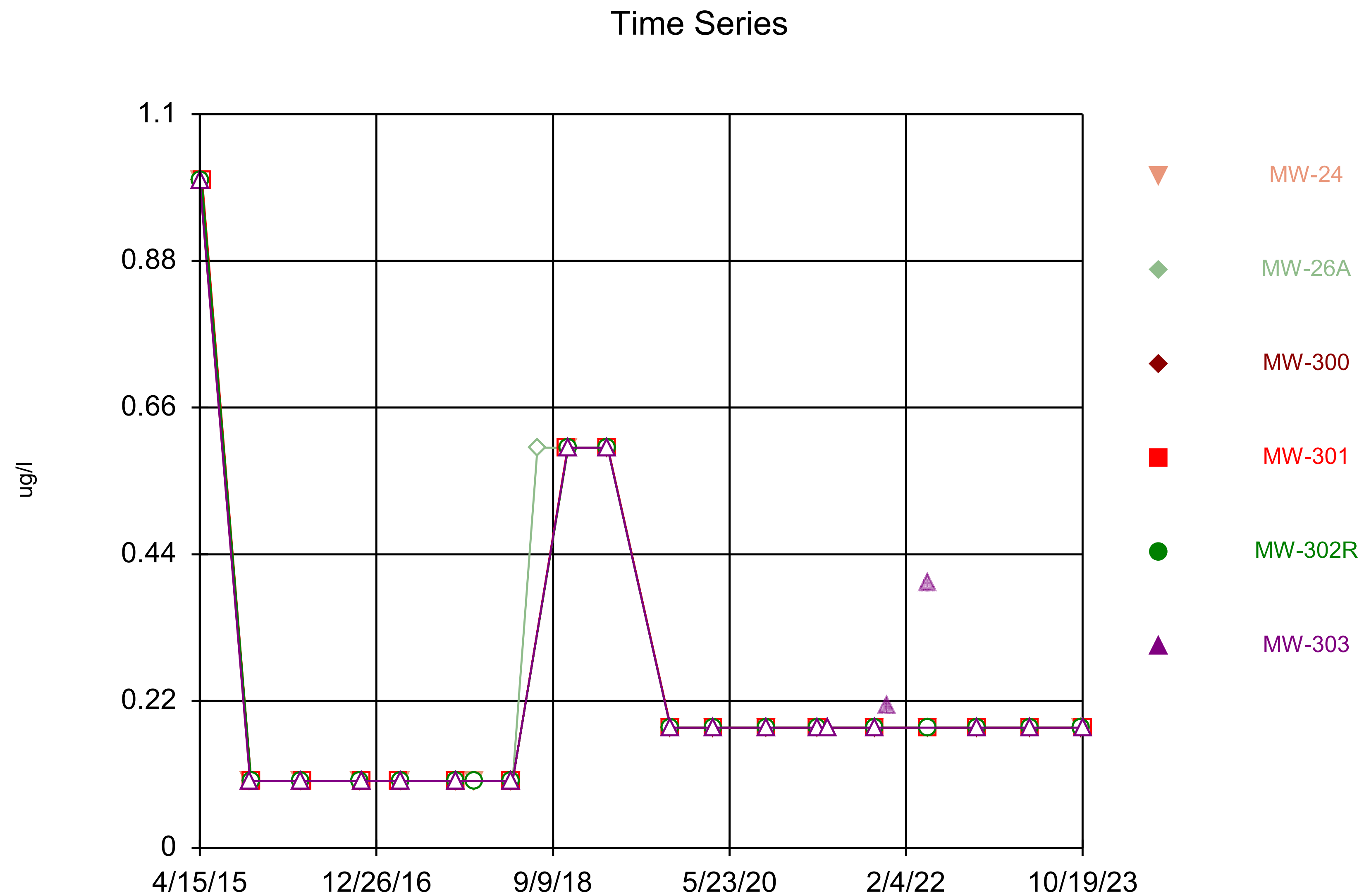
Hollow symbols indicate censored values.



Constituent: Vinyl Chloride Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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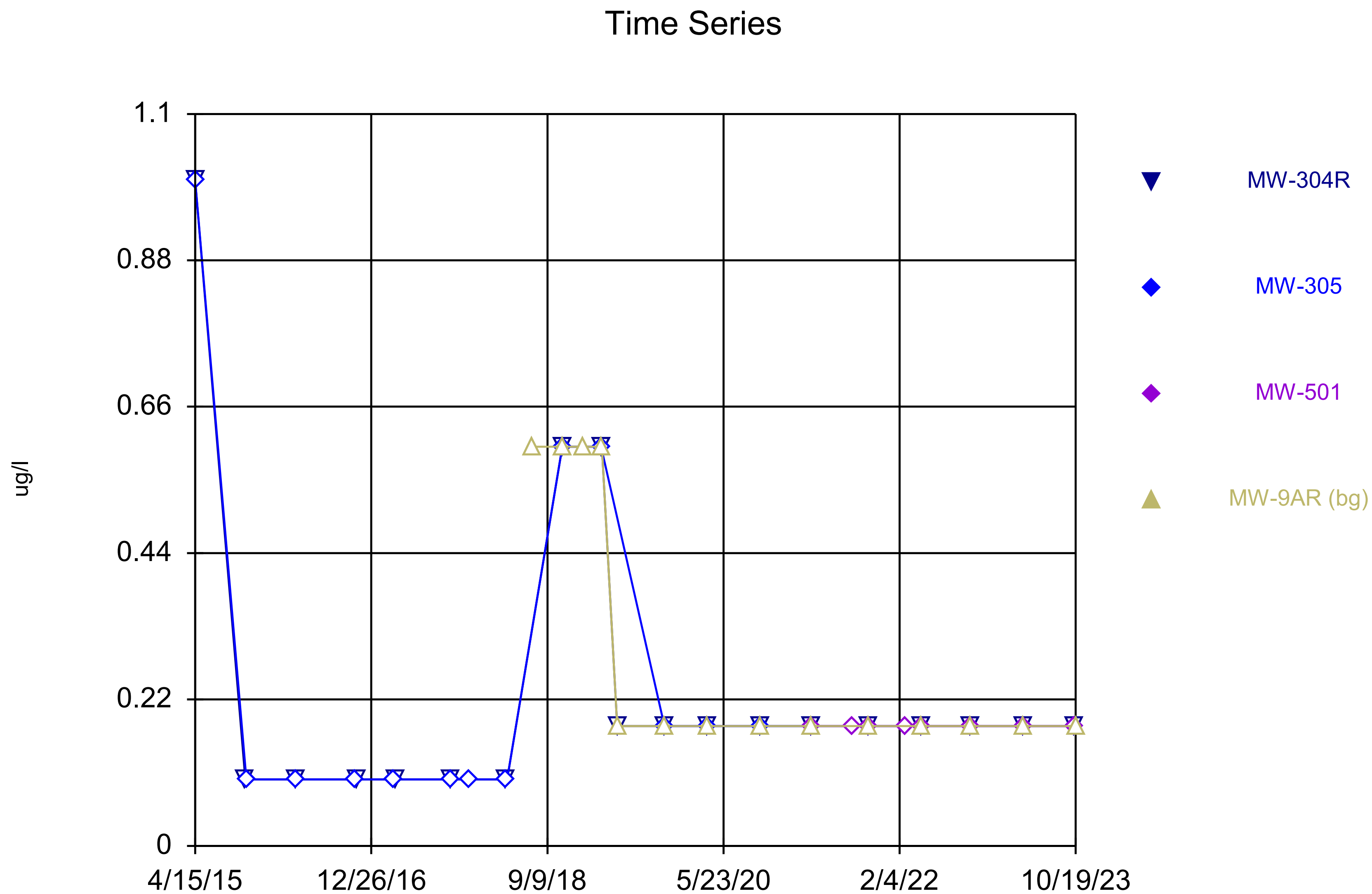
Hollow symbols indicate censored values.



Constituent: Vinyl Chloride Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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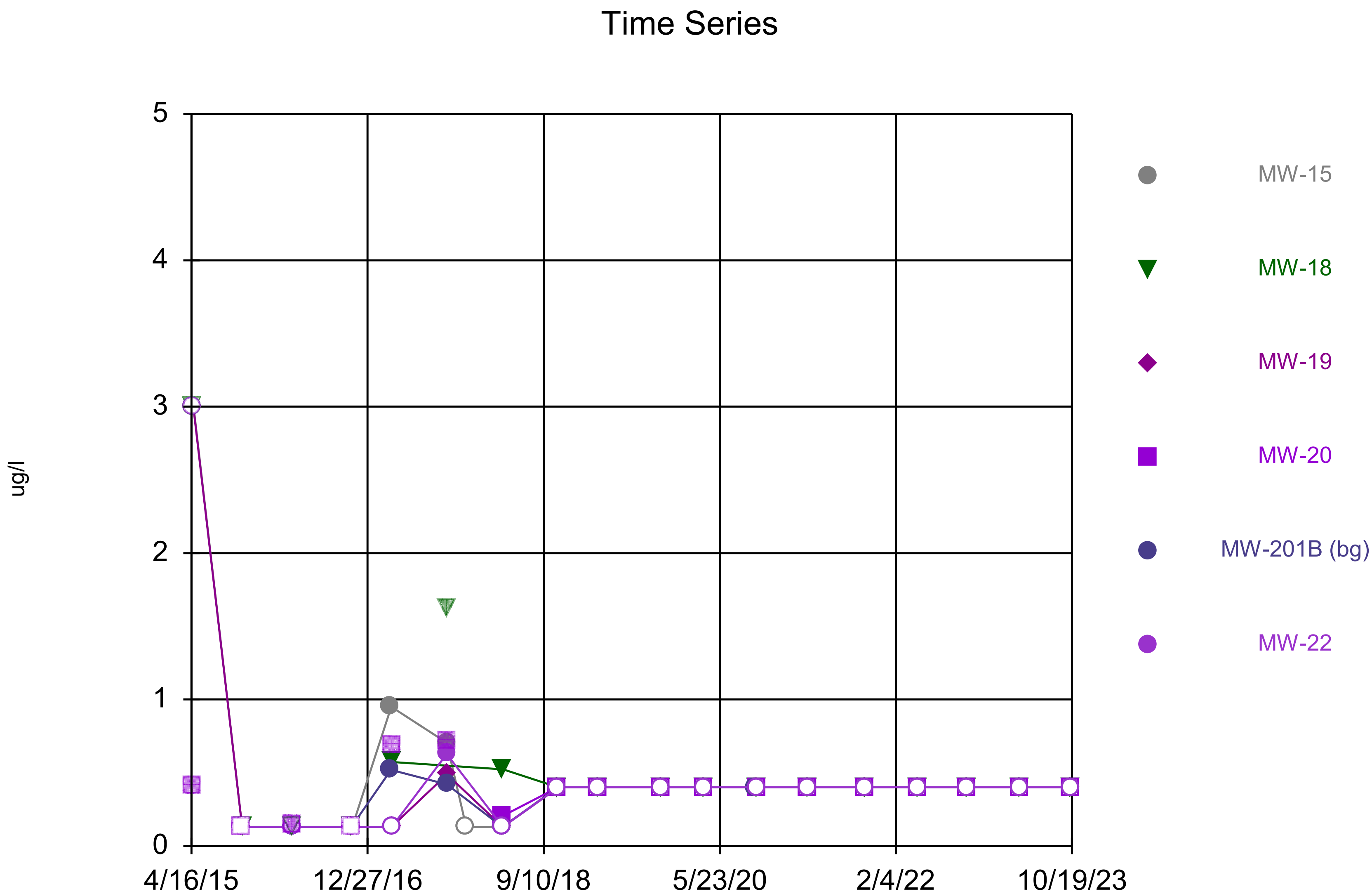
Hollow symbols indicate censored values.



Constituent: Xylenes, Total Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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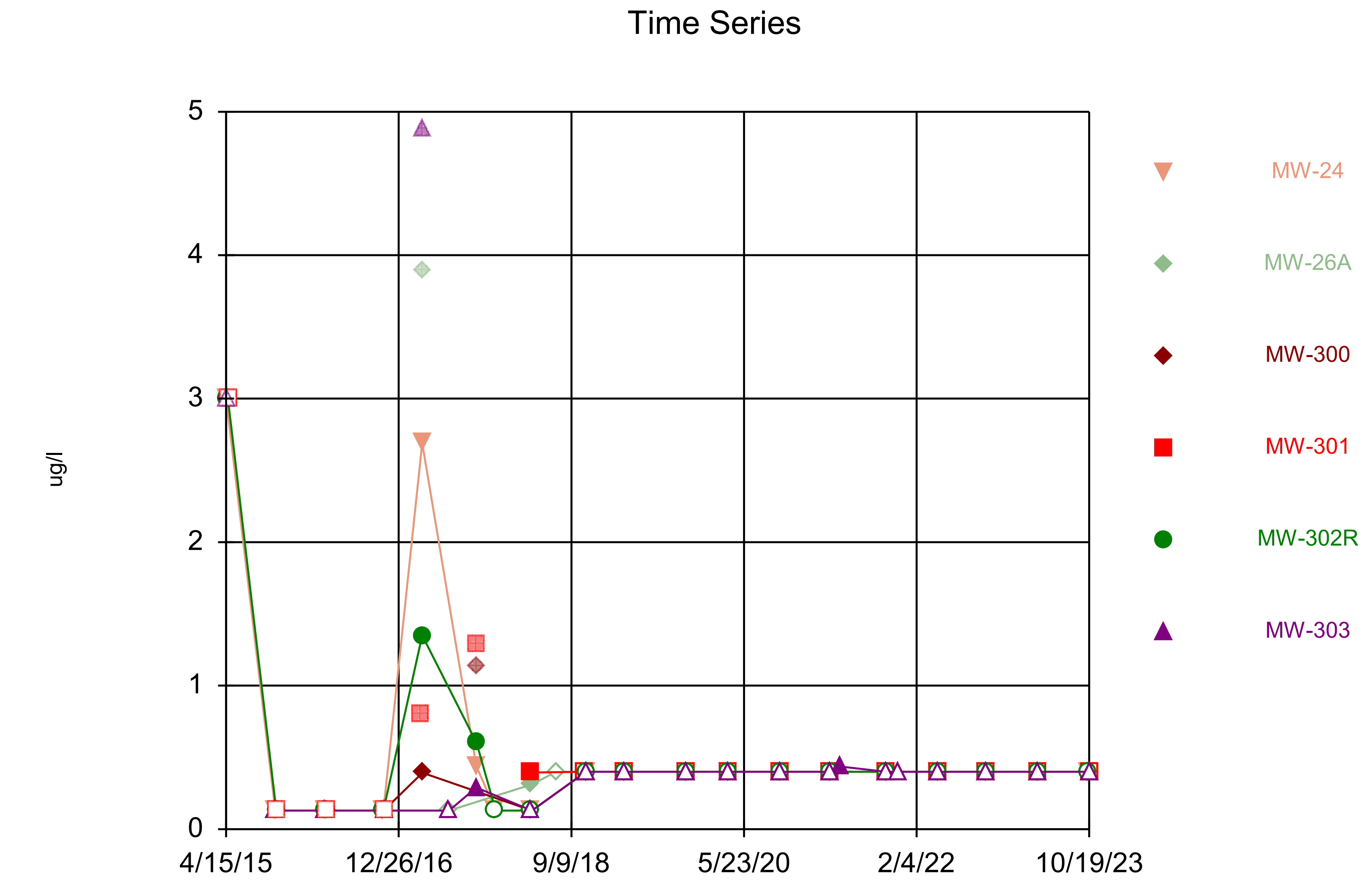
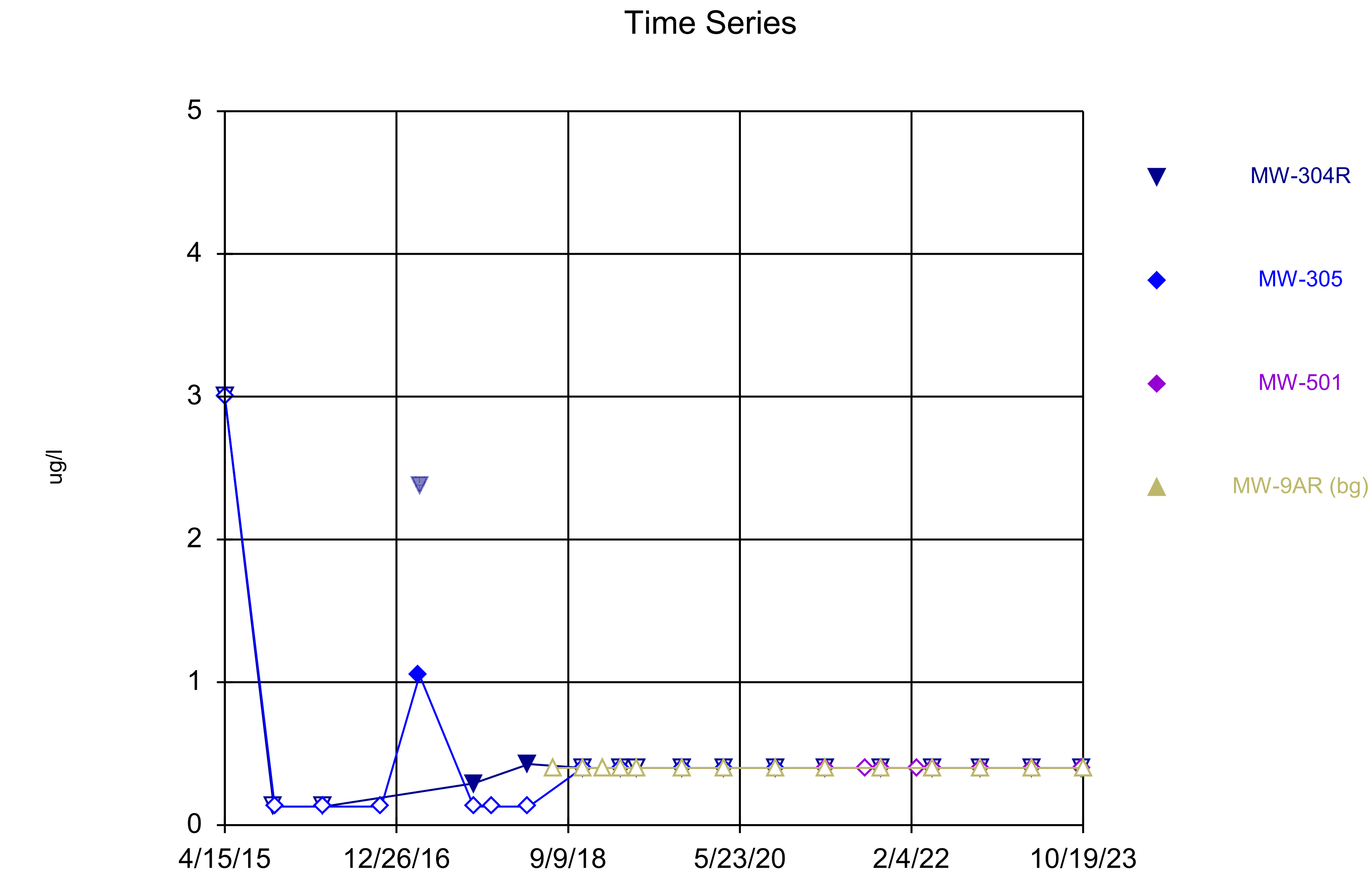
Hollow symbols indicate censored values.



Constituent: Xylenes, Total Analysis Run 11/20/2023 2:19 PM View: App I_VOCs
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: Xylenes, Total   Analysis Run 11/20/2023 2:19 PM   View: App I_VOCs
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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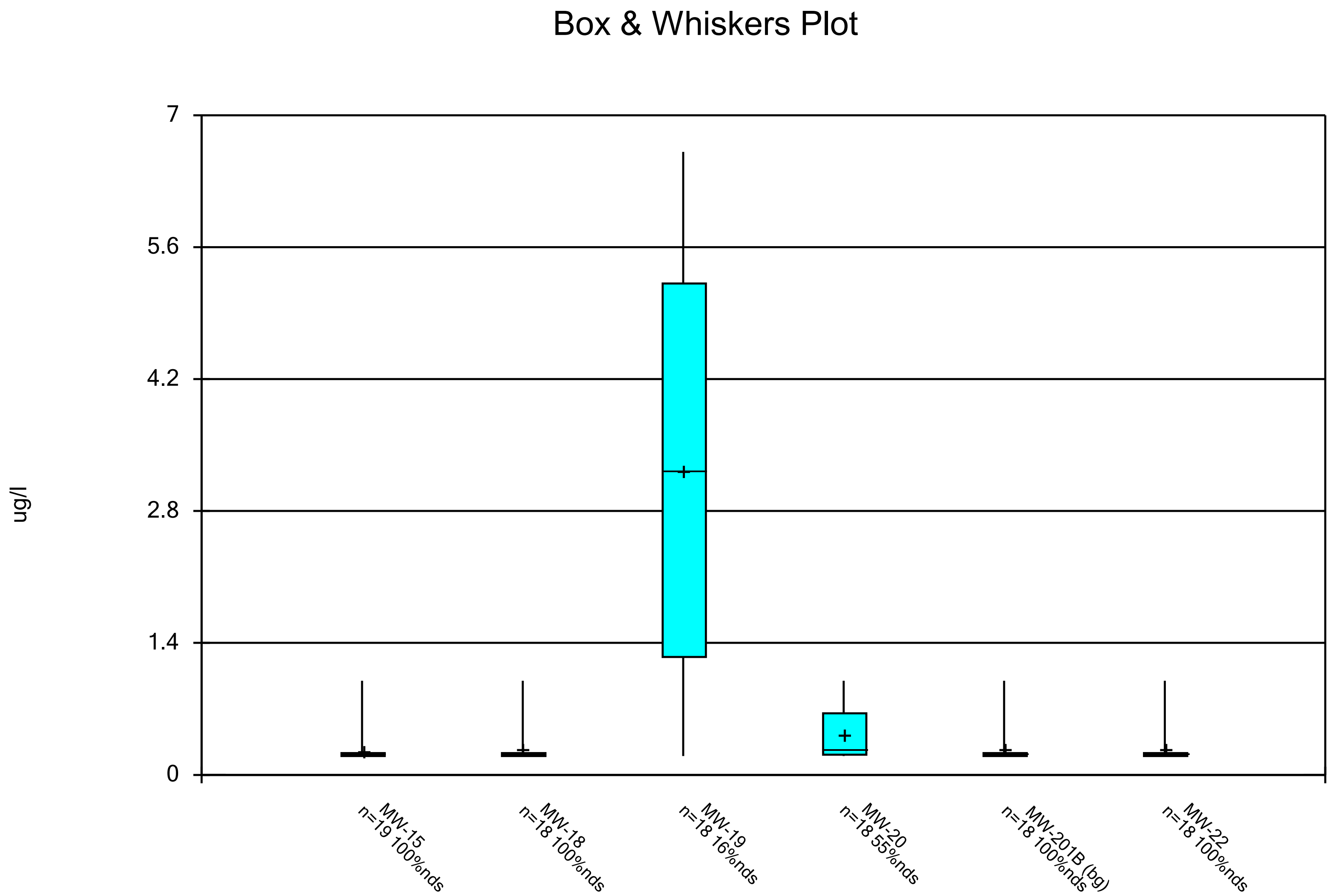

Constituent: 1,4-Dichlorobenzene   Analysis Run 11/20/2023 4:22 PM   View: App I VOCs_detected

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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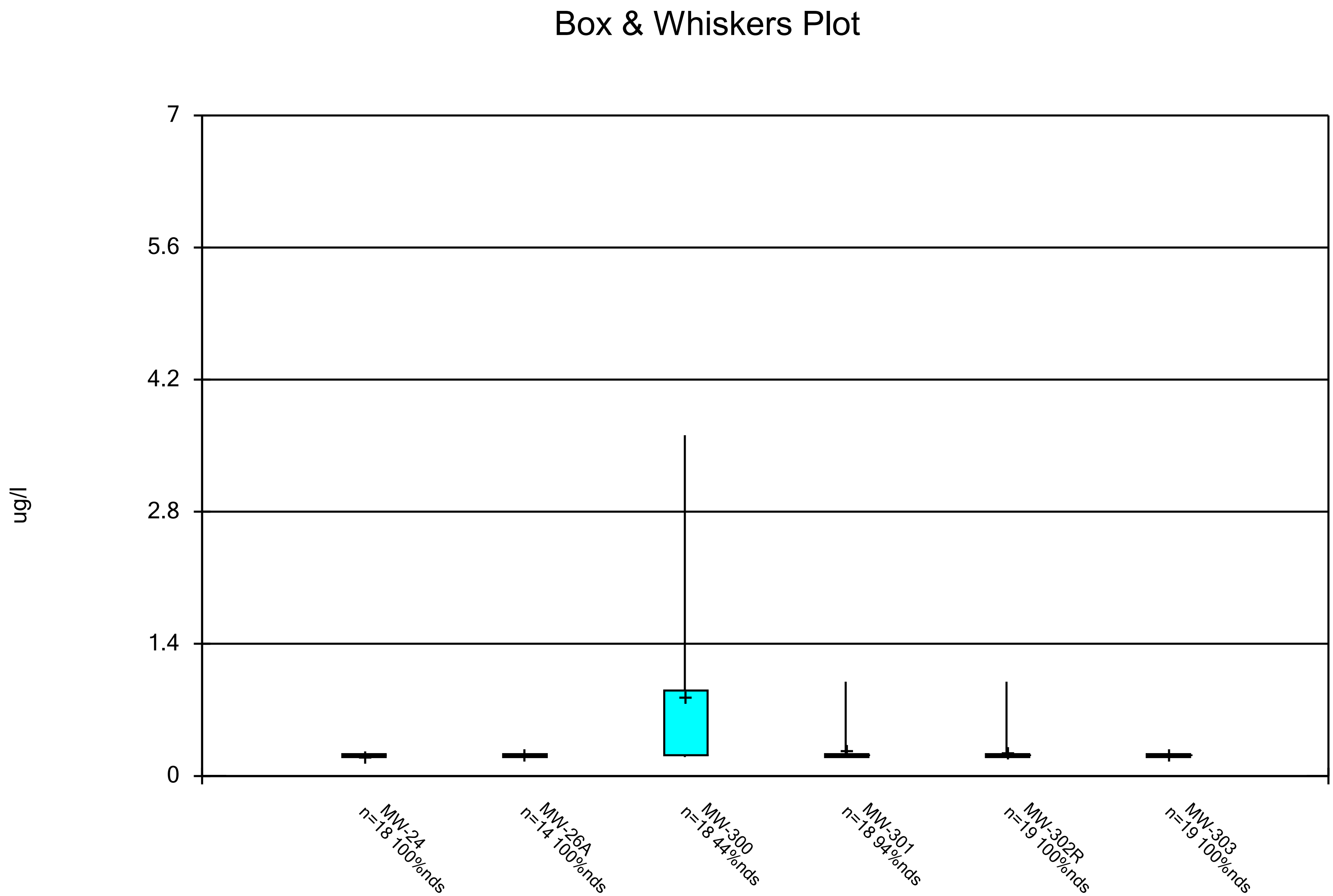

Constituent: 1,4-Dichlorobenzene   Analysis Run 11/20/2023 4:22 PM   View: App I VOCs_detected

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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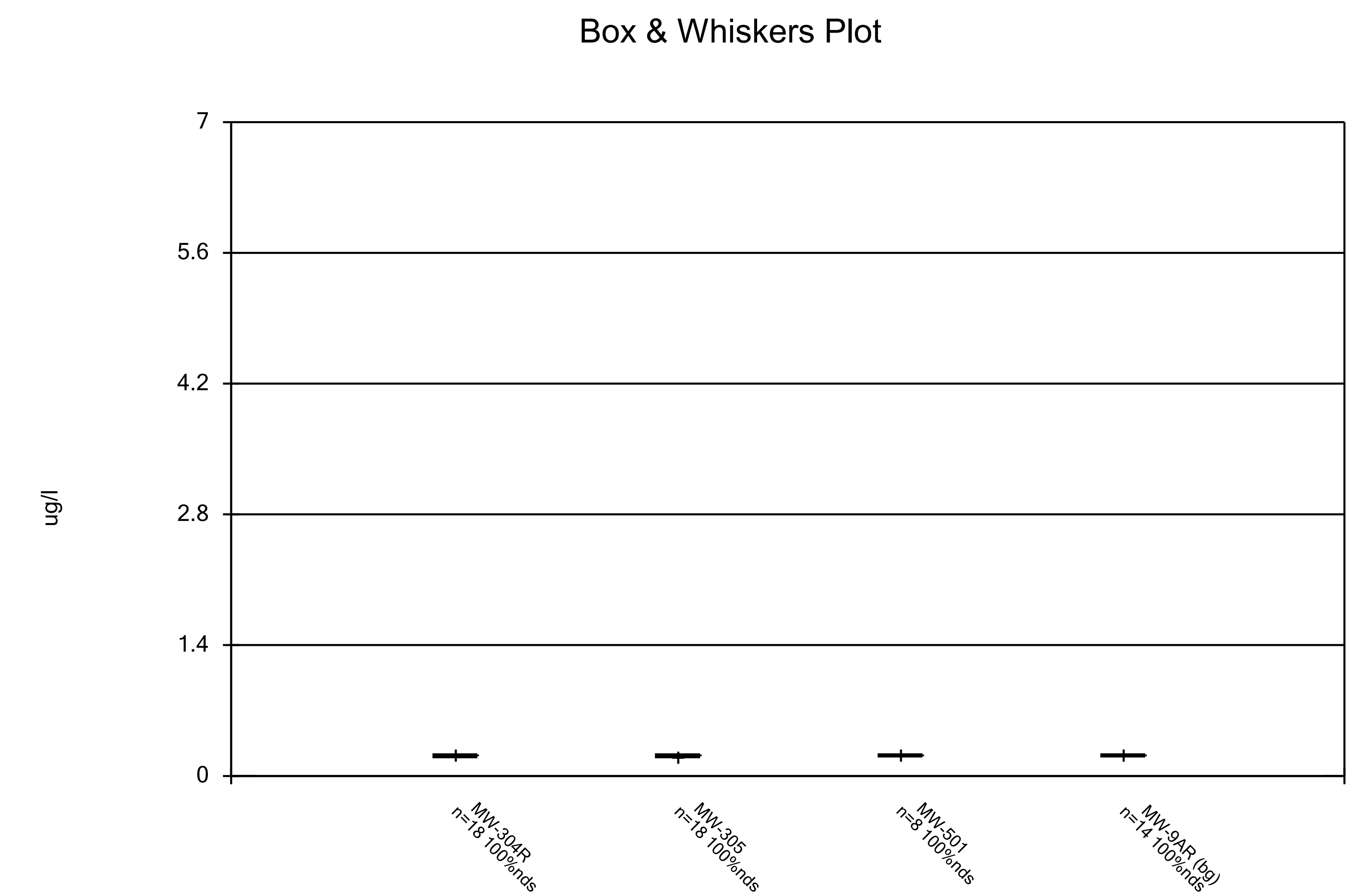

Constituent: 1,4-Dichlorobenzene Analysis Run 11/20/2023 4:22 PM View: App I VOCs_detected

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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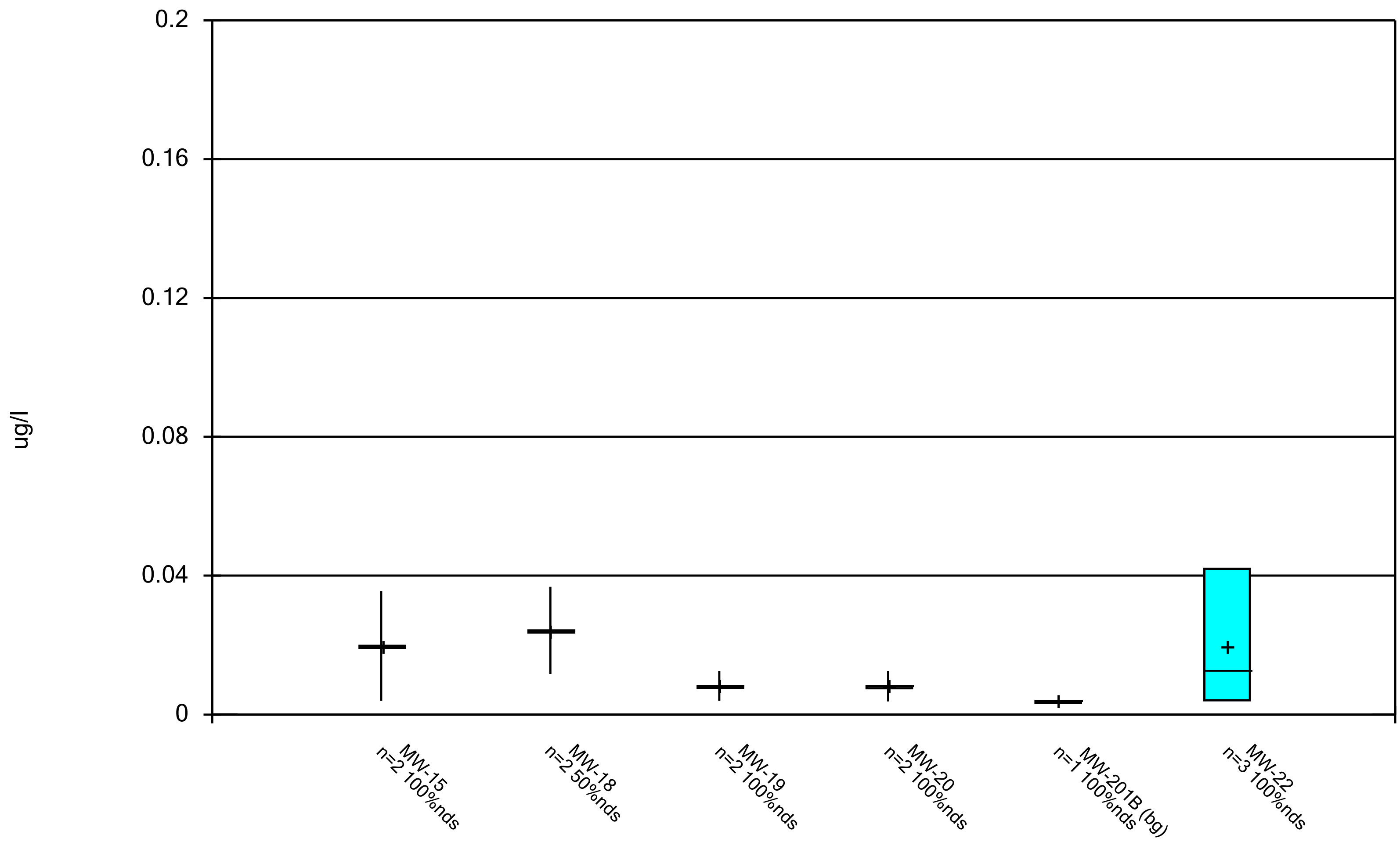
Box & Whiskers Plot



Constituent: 4,4`-DDT   Analysis Run 11/20/2023 4:22 PM   View: App I VOCs_detected

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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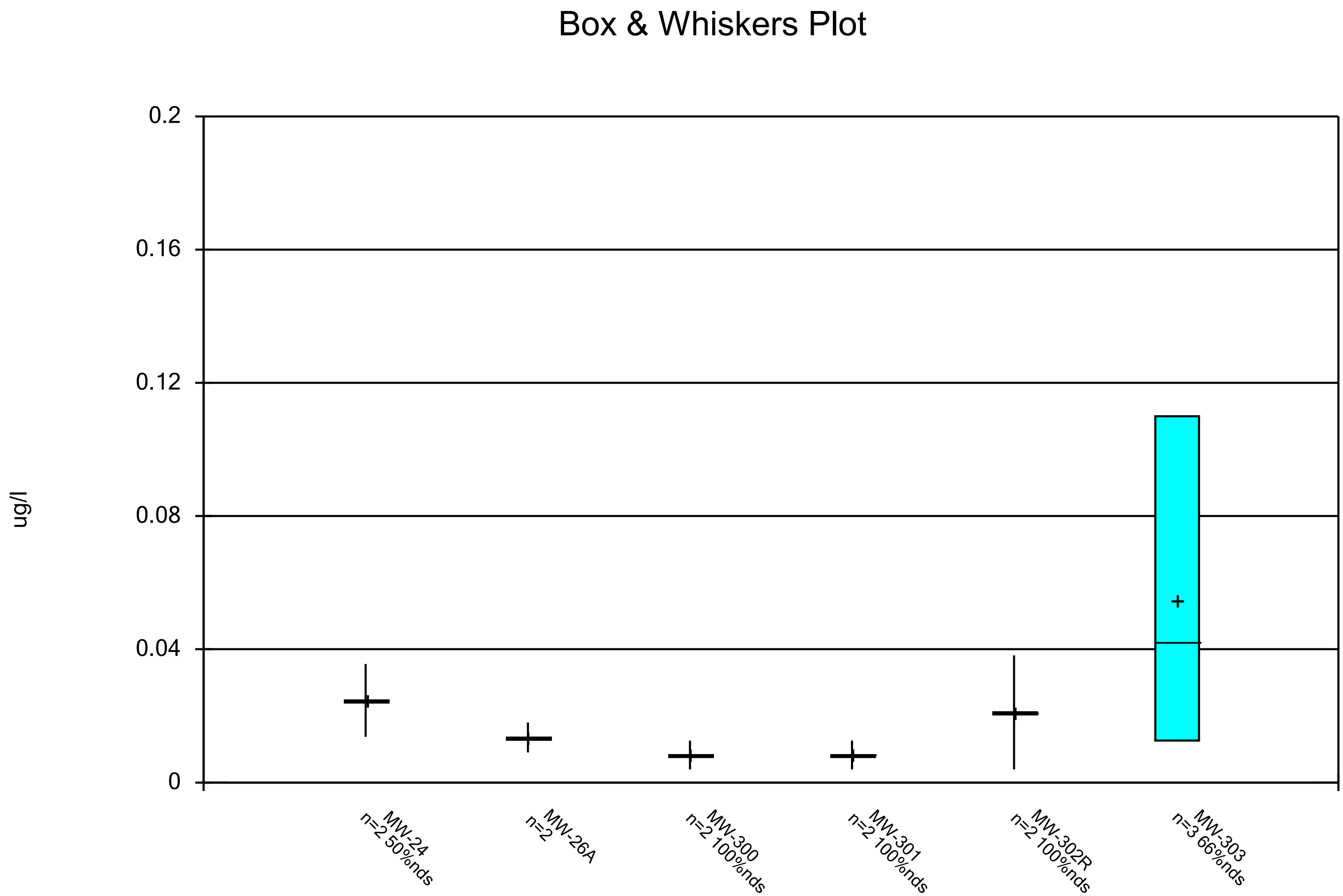

Constituent: 4,4`-DDT Analysis Run 11/20/2023 4:22 PM View: App I VOCs_detected

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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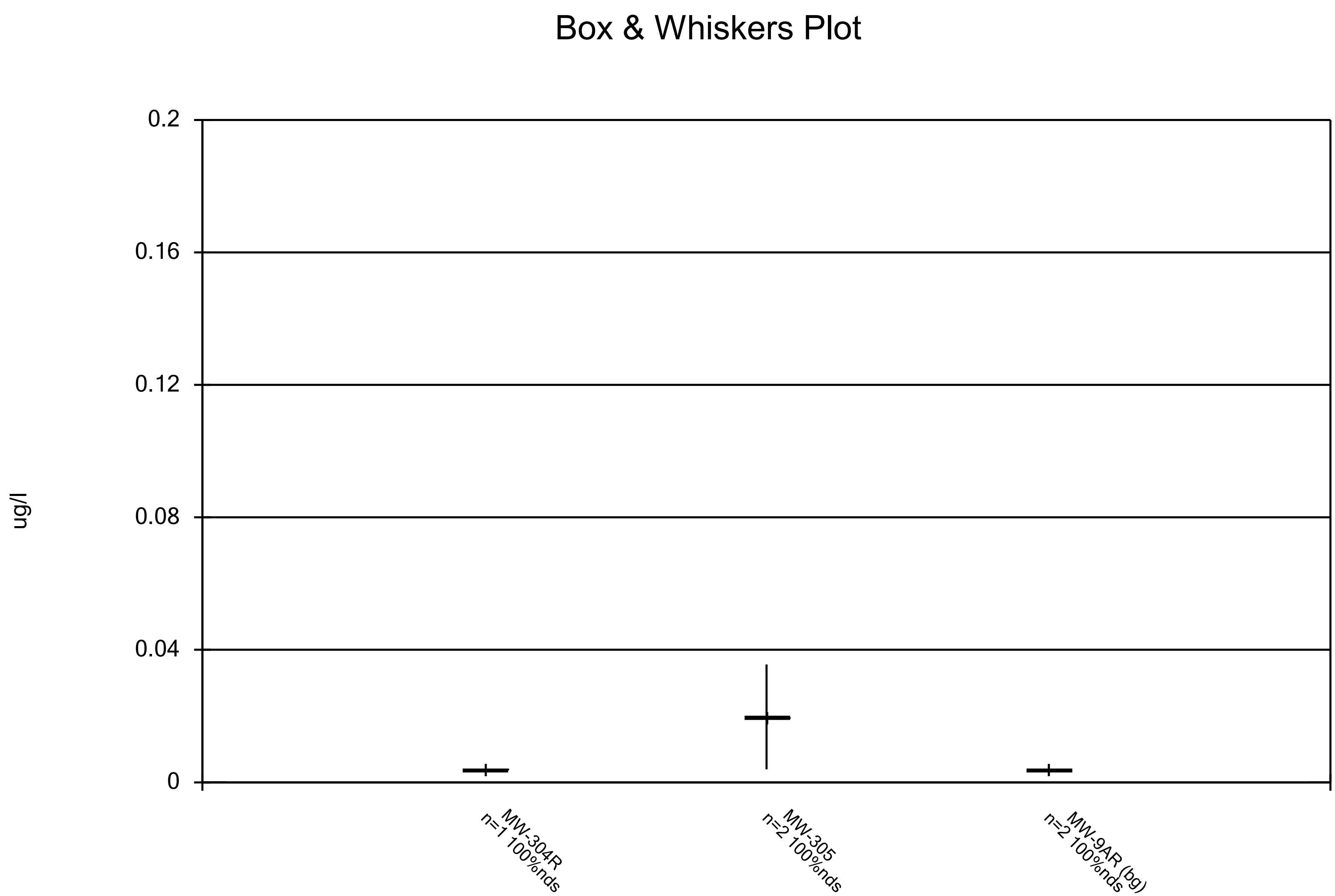

Constituent: 4,4`-DDT Analysis Run 11/20/2023 4:22 PM View: App I VOCs_detected

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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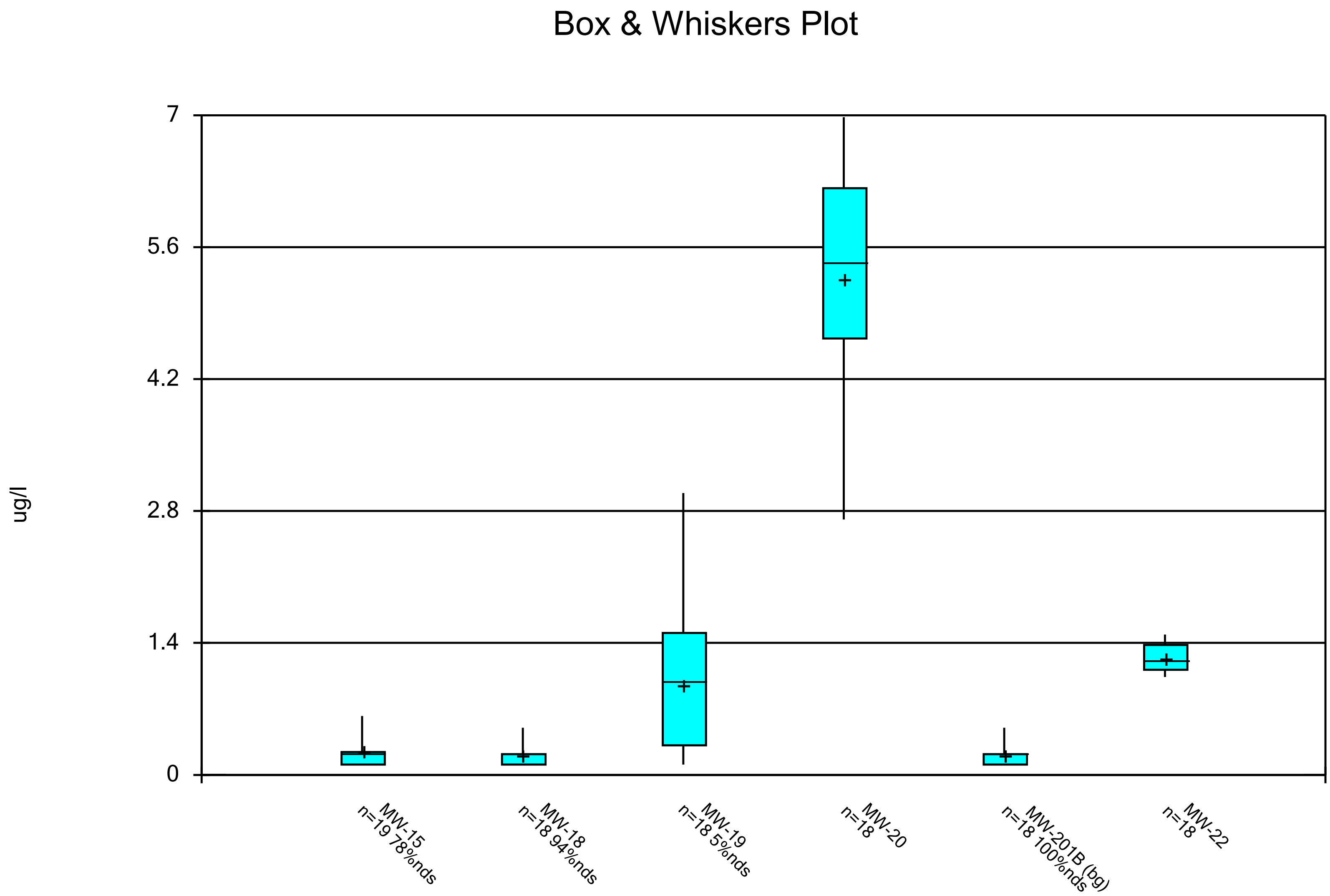

Constituent: Benzene Analysis Run 11/20/2023 4:22 PM View: App I VOCs_detected

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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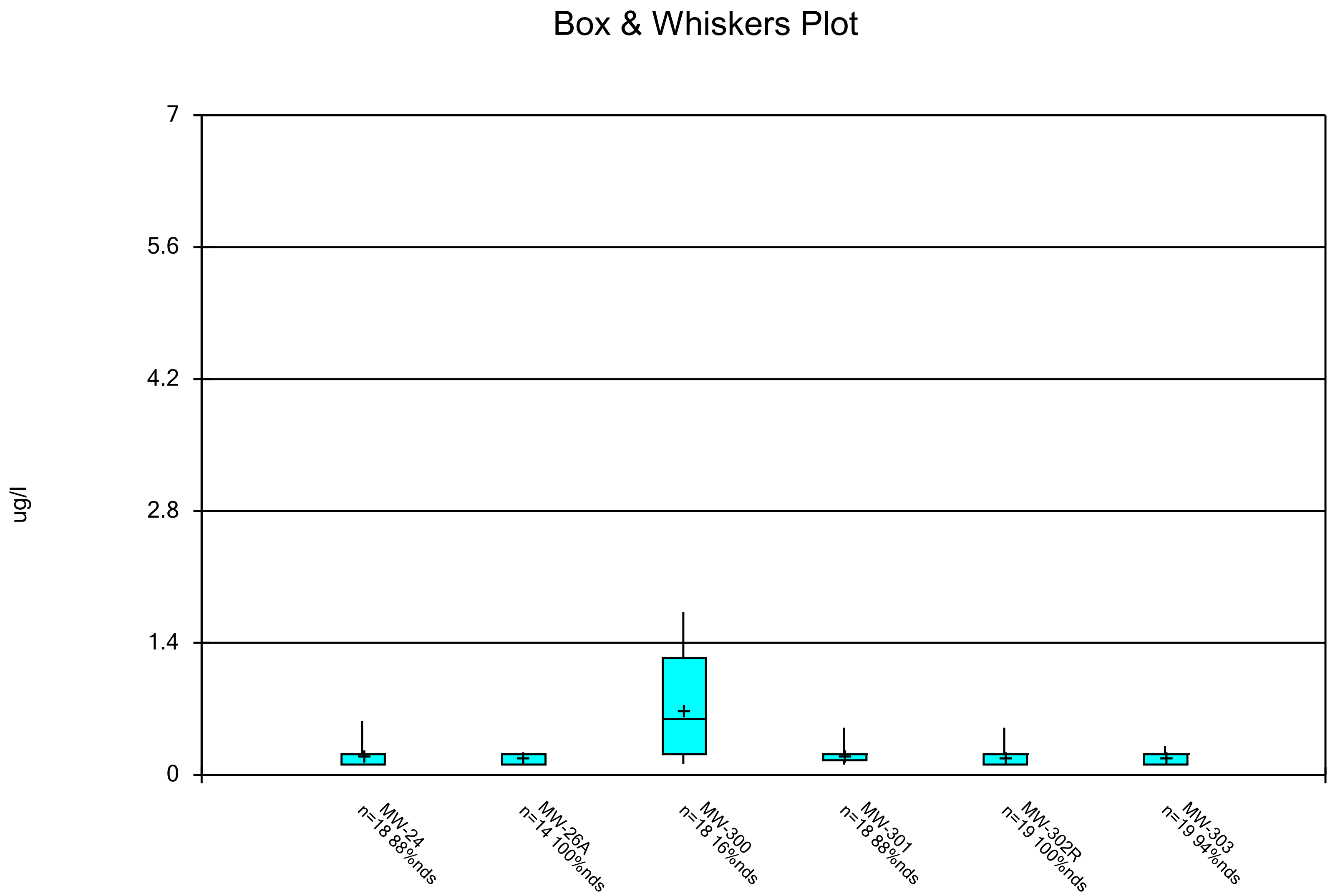
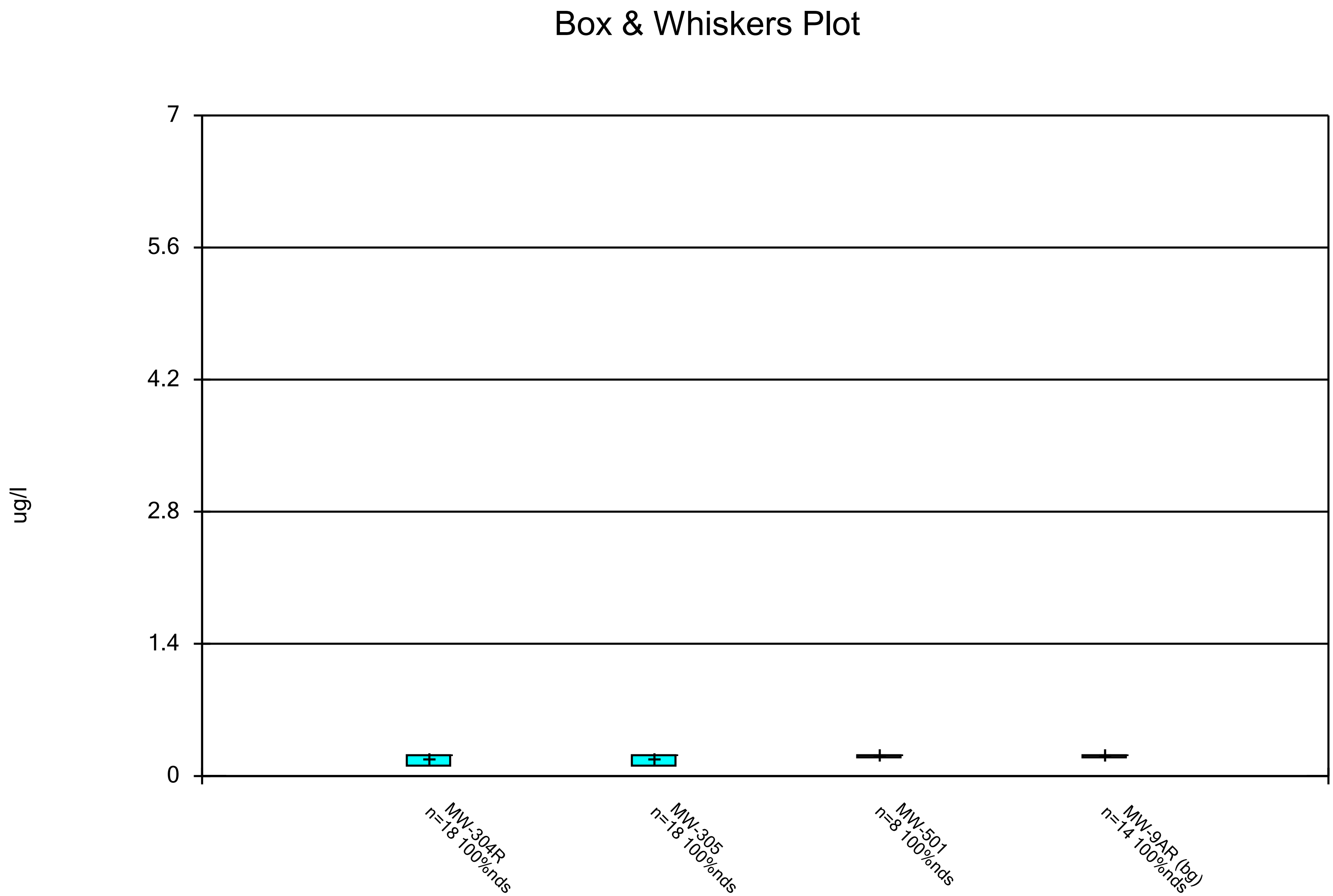


Constituent: Benzene Analysis Run 11/20/2023 4:22 PM View: App I VOCs_detected

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG



Constituent: Benzene Analysis Run 11/20/2023 4:22 PM View: App I VOCs_detected

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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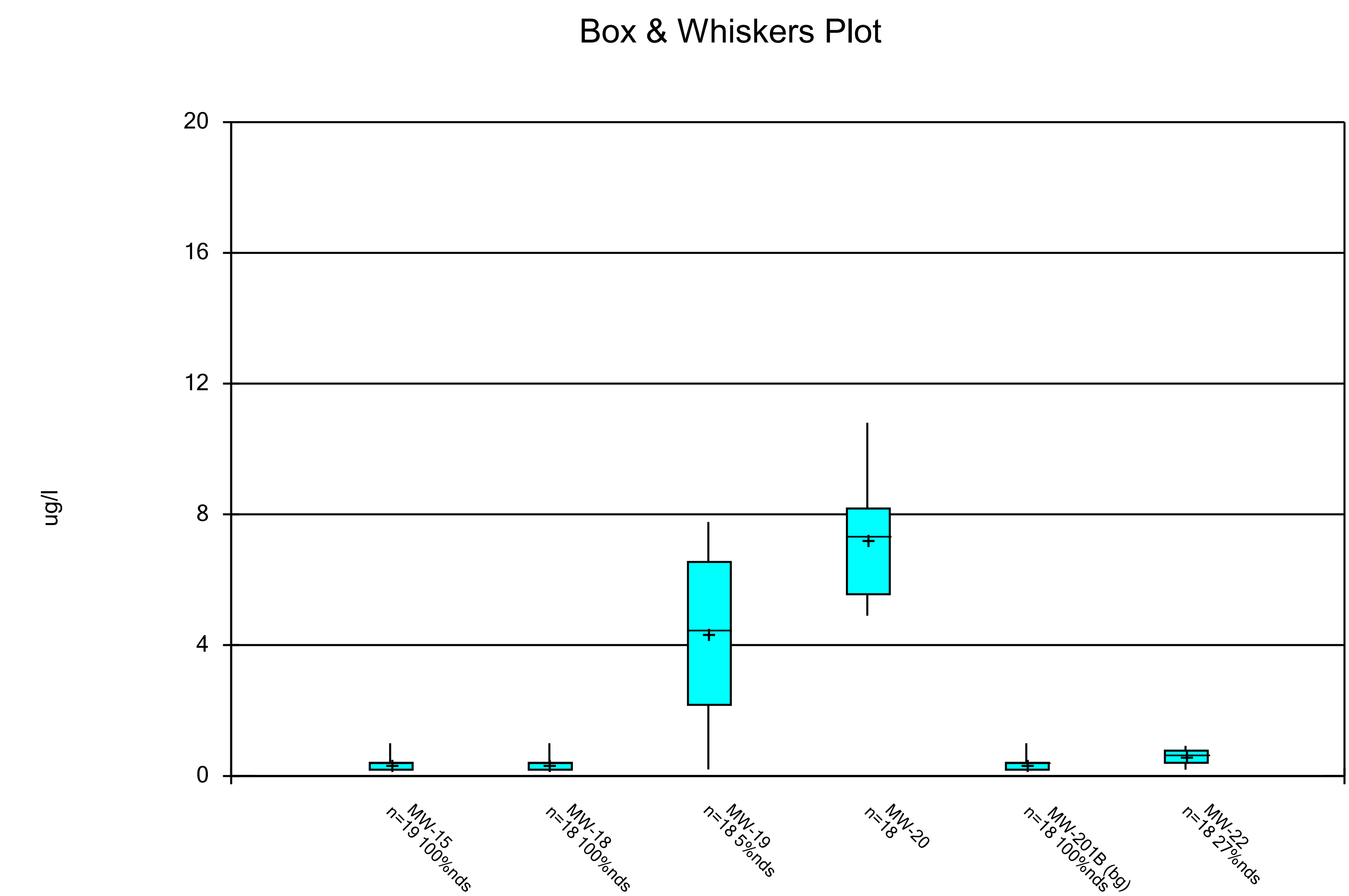
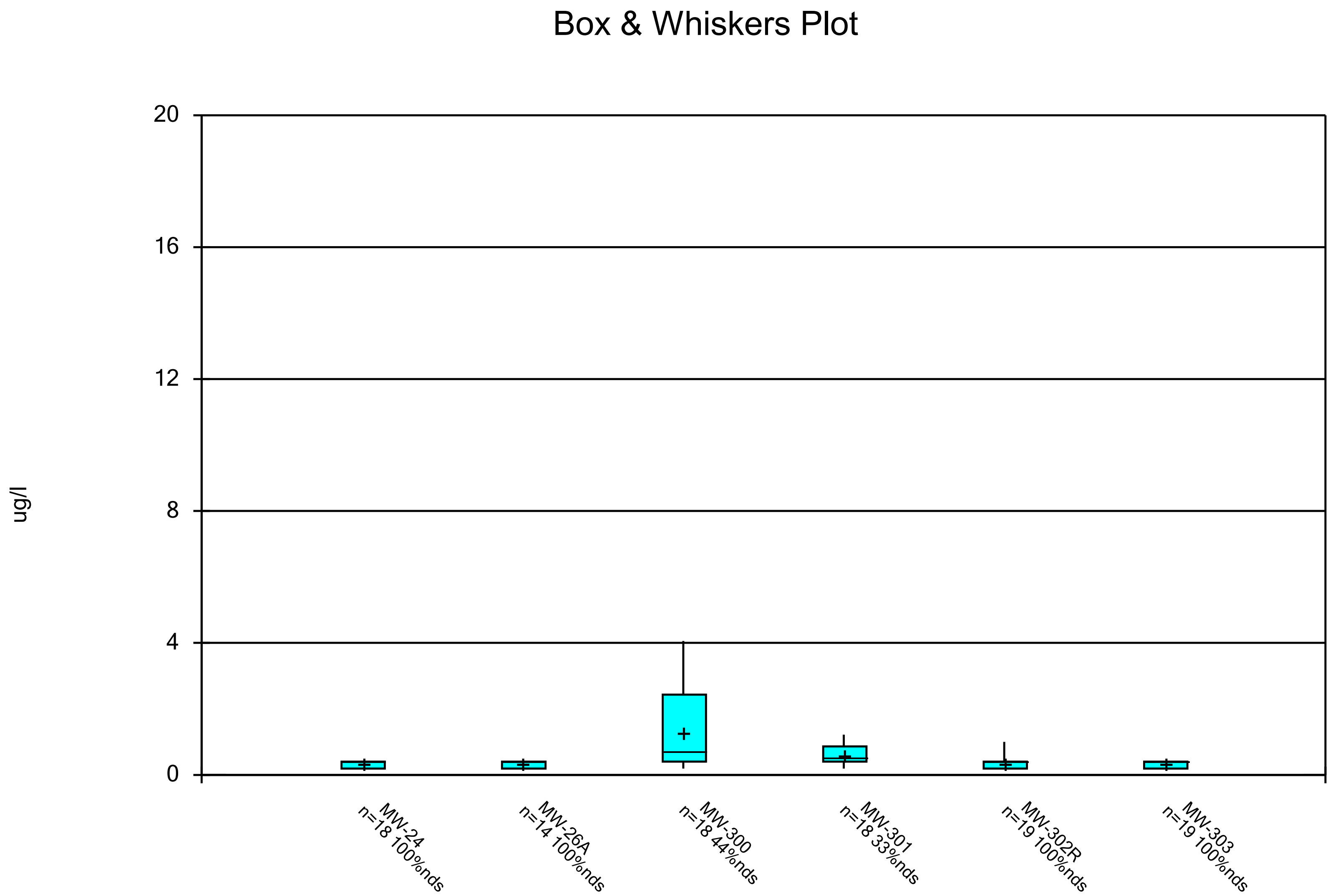


Constituent: Chlorobenzene Analysis Run 11/20/2023 4:22 PM View: App I VOCs_detected

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG



Constituent: Chlorobenzene Analysis Run 11/20/2023 4:22 PM View: App I VOCs_detected

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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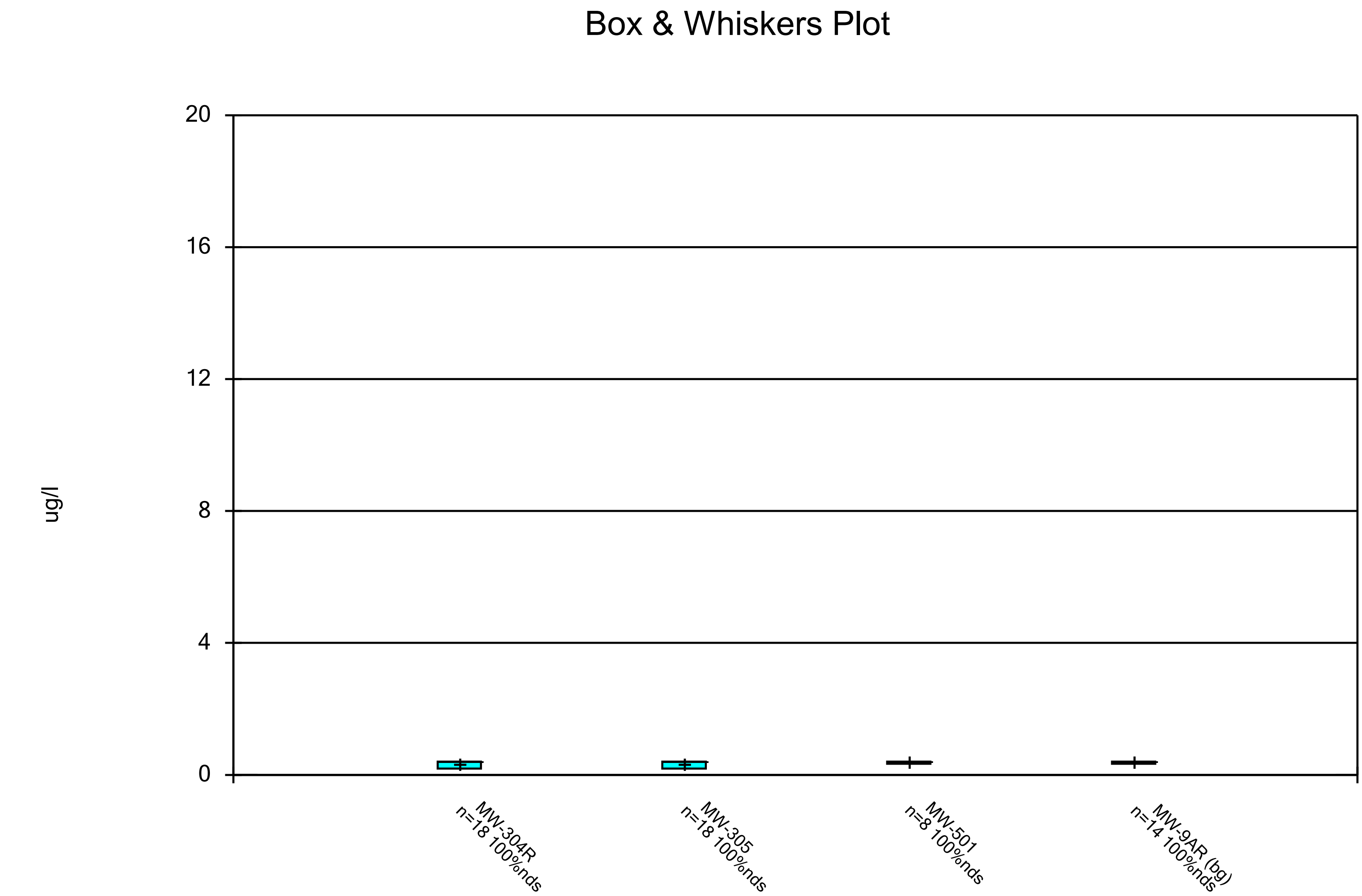
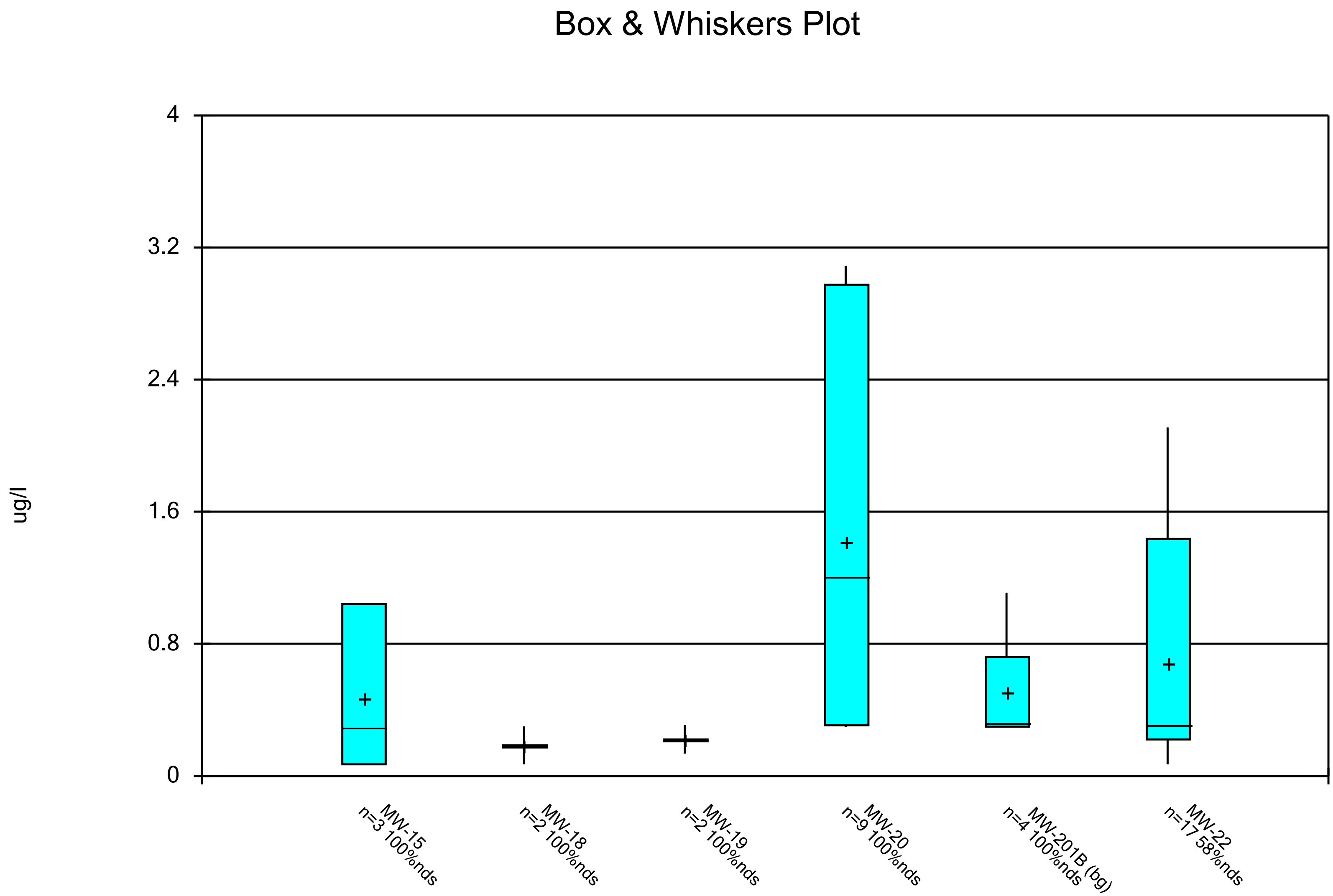


Constituent: Chlorobenzene Analysis Run 11/20/2023 4:22 PM View: App I VOCs_detected

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG



Constituent: Silvex [2,4,5-TP]   Analysis Run 11/20/2023 4:22 PM   View: App I VOCs_detected

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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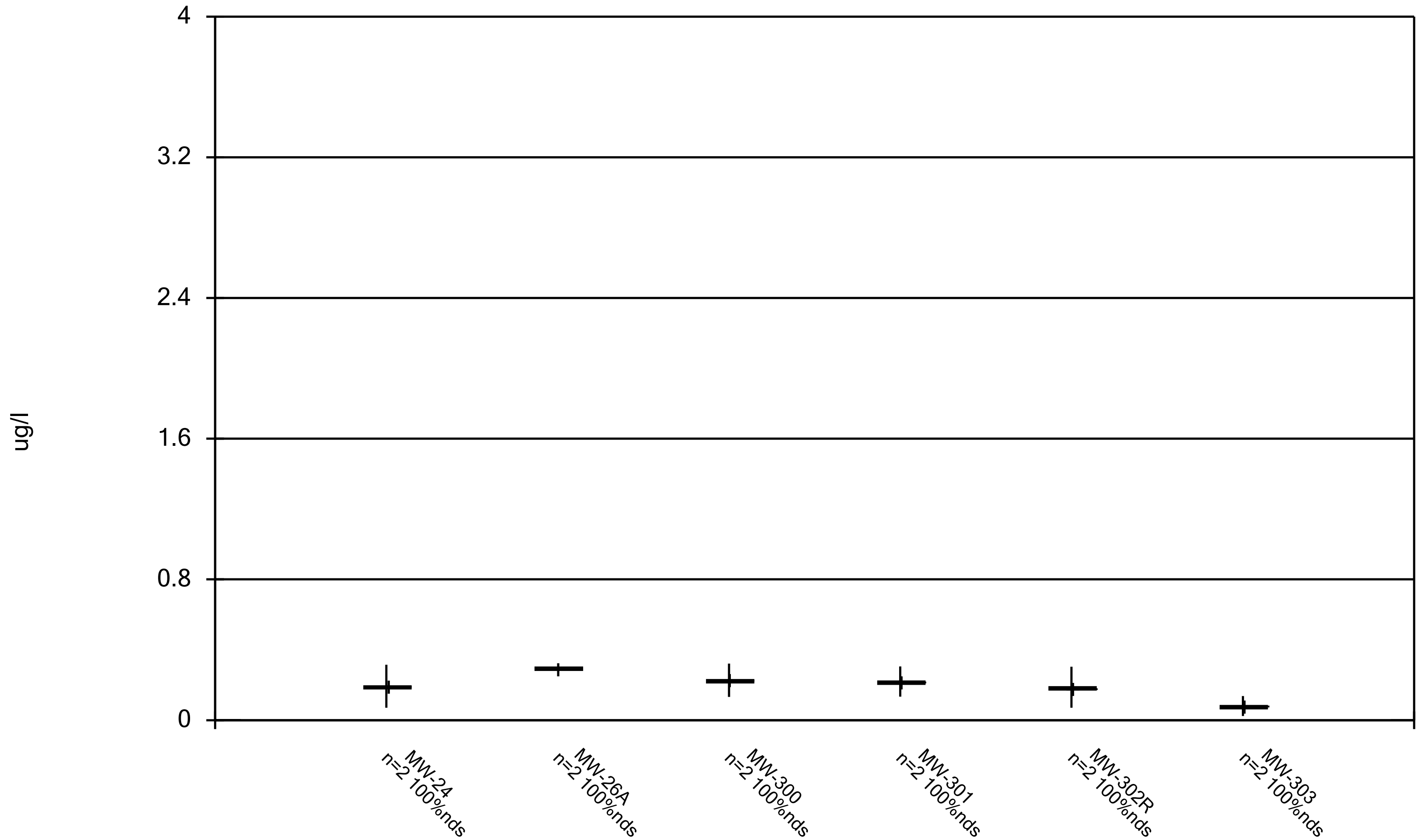
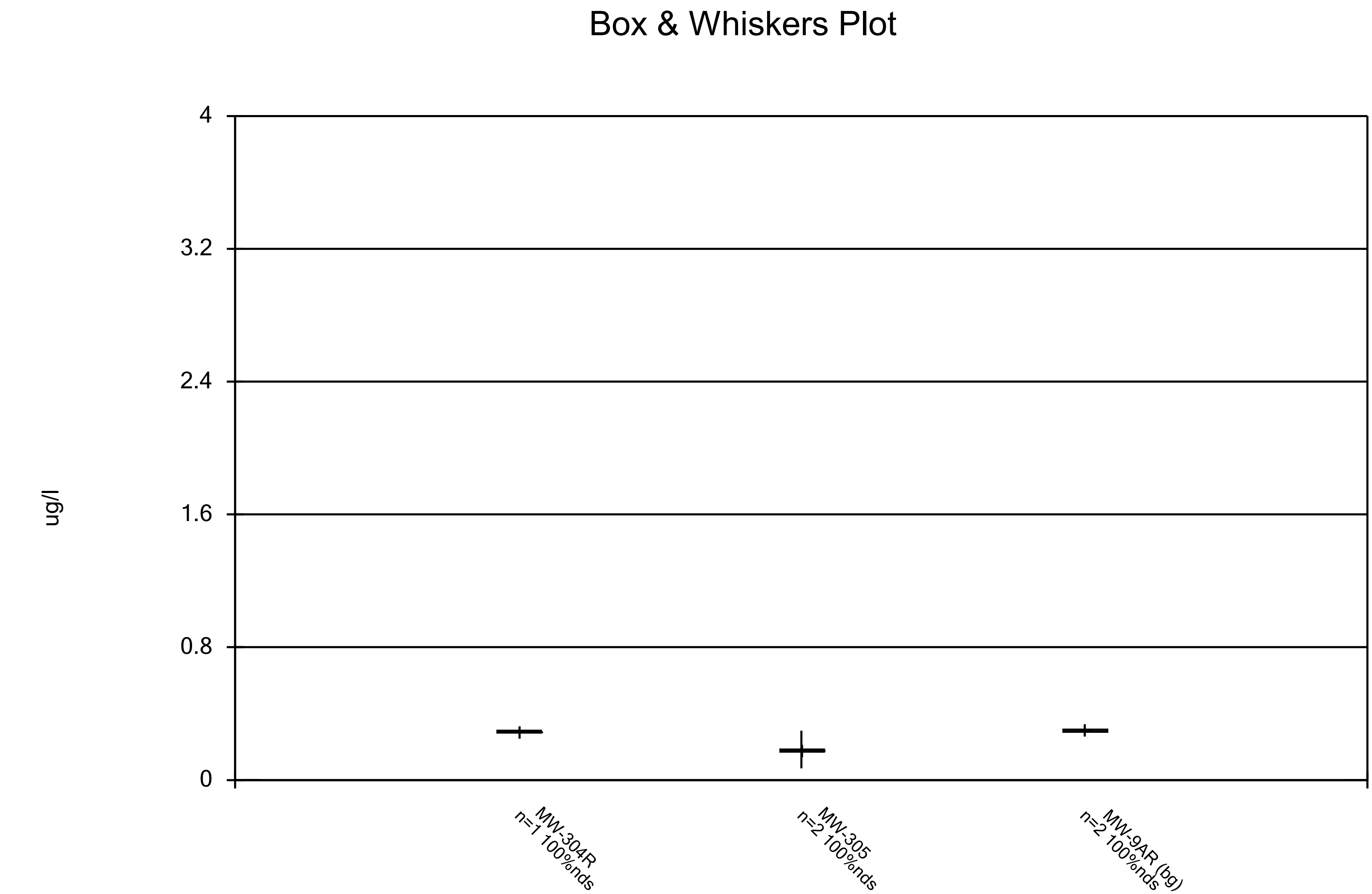
Box & Whiskers Plot



Constituent: Silvex [2,4,5-TP]   Analysis Run 11/20/2023 4:22 PM   View: App I VOCs_detected

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG



Constituent: Silvex [2,4,5-TP] Analysis Run 11/20/2023 4:22 PM View: App I VOCs_detected

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Box & Whiskers Plot

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/20/2023, 4:22 PM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Lower Q.	Upper Q.	Min.	Max.	%NDs
1,4-Dichlorobenzene (u...	MW-15	19	0.2595	0.1799	0.04128	0.23	0.2	0.23	0.2	1	100
1,4-Dichlorobenzene (u...	MW-18	18	0.2628	0.1845	0.0435	0.23	0.2	0.23	0.2	1	100
1,4-Dichlorobenzene (u...	MW-19	18	3.236	1.991	0.4694	3.235	1.25	5.215	0.2	6.61	16.67
1,4-Dichlorobenzene (u...	MW-20	18	0.4228	0.2573	0.06065	0.2835	0.215	0.652	0.2	1	55.56
1,4-Dichlorobenzene (u...	MW-201B (bg)	18	0.2628	0.1845	0.0435	0.23	0.2	0.23	0.2	1	100
1,4-Dichlorobenzene (u...	MW-22	18	0.2628	0.1845	0.0435	0.23	0.2	0.23	0.2	1	100
1,4-Dichlorobenzene (u...	MW-24	18	0.2183	0.01505	0.003547	0.23	0.2	0.23	0.2	0.23	100
1,4-Dichlorobenzene (u...	MW-26A	14	0.2214	0.01406	0.003759	0.23	0.2	0.23	0.2	0.23	100
1,4-Dichlorobenzene (u...	MW-300	18	0.8361	1.099	0.2591	0.233	0.22	0.906	0.2	3.61	44.44
1,4-Dichlorobenzene (u...	MW-301	18	0.2678	0.184	0.04336	0.23	0.2	0.23	0.2	1	94.44
1,4-Dichlorobenzene (u...	MW-302R	19	0.2595	0.1799	0.04128	0.23	0.2	0.23	0.2	1	100
1,4-Dichlorobenzene (u...	MW-303	19	0.2205	0.01433	0.003287	0.23	0.2	0.23	0.2	0.23	100
1,4-Dichlorobenzene (u...	MW-304R	18	0.22	0.01455	0.00343	0.23	0.2	0.23	0.2	0.23	100
1,4-Dichlorobenzene (u...	MW-305	18	0.2183	0.01505	0.003547	0.23	0.2	0.23	0.2	0.23	100
1,4-Dichlorobenzene (u...	MW-501	8	0.23	0	0	0.23	0.23	0.23	0.23	0.23	100
1,4-Dichlorobenzene (u...	MW-9AR (bg)	14	0.23	0	0	0.23	0.23	0.23	0.23	0.23	100
4,4`-DDT (ug/l)	MW-15	2	0.01978	0.02237	0.01582	0.01978	0.01978	0.01978	0.00396	0.0356	100
4,4`-DDT (ug/l)	MW-18	2	0.02425	0.01775	0.01255	0.02425	0.02425	0.02425	0.0117	0.0368	50
4,4`-DDT (ug/l)	MW-19	2	0.00826	0.006138	0.00434	0.00826	0.00826	0.00826	0.00392	0.0126	100
4,4`-DDT (ug/l)	MW-20	2	0.0082	0.006223	0.0044	0.0082	0.0082	0.0082	0.0038	0.0126	100
4,4`-DDT (ug/l)	MW-201B (bg)	1	0.00396	0	0	0.00396	0.00396	0.00396	0.00396	0.00396	100
4,4`-DDT (ug/l)	MW-22	3	0.01956	0.01989	0.01148	0.0126	0.00409	0.042	0.00409	0.042	100
4,4`-DDT (ug/l)	MW-24	2	0.02465	0.01549	0.01095	0.02465	0.02465	0.02465	0.0137	0.0356	50
4,4`-DDT (ug/l)	MW-26A	2	0.01351	0.006357	0.004495	0.01351	0.01351	0.01351	0.00901	0.018	0
4,4`-DDT (ug/l)	MW-300	2	0.00826	0.006138	0.00434	0.00826	0.00826	0.00826	0.00392	0.0126	100
4,4`-DDT (ug/l)	MW-301	2	0.00826	0.006138	0.00434	0.00826	0.00826	0.00826	0.00392	0.0126	100
4,4`-DDT (ug/l)	MW-302R	2	0.02108	0.02421	0.01712	0.02108	0.02108	0.02108	0.00396	0.0382	100
4,4`-DDT (ug/l)	MW-303	3	0.05487	0.04996	0.02884	0.042	0.0126	0.11	0.0126	0.11	66.67
4,4`-DDT (ug/l)	MW-304R	1	0.00388	0	0	0.00388	0.00388	0.00388	0.00388	0.00388	100
4,4`-DDT (ug/l)	MW-305	2	0.01978	0.02237	0.01582	0.01978	0.01978	0.01978	0.00396	0.0356	100
4,4`-DDT (ug/l)	MW-9AR (bg)	2	0.00388	0.0000...	0.00004	0.00388	0.00388	0.00388	0.00384	0.00392	100
Benzene (ug/l)	MW-15	19	0.2509	0.1515	0.03475	0.22	0.11	0.243	0.11	0.625	78.95
Benzene (ug/l)	MW-18	18	0.199	0.0916	0.02159	0.22	0.11	0.22	0.11	0.5	94.44
Benzene (ug/l)	MW-19	18	0.961	0.774	0.1824	1.004	0.3135	1.505	0.11	2.99	5.556
Benzene (ug/l)	MW-20	18	5.269	1.17	0.2757	5.435	4.63	6.225	2.71	6.98	0
Benzene (ug/l)	MW-201B (bg)	18	0.1989	0.09171	0.02162	0.22	0.11	0.22	0.11	0.5	100
Benzene (ug/l)	MW-22	18	1.239	0.1528	0.03601	1.215	1.115	1.38	1.04	1.49	0
Benzene (ug/l)	MW-24	18	0.2032	0.1067	0.02515	0.22	0.11	0.22	0.11	0.575	88.89
Benzene (ug/l)	MW-26A	14	0.1886	0.05157	0.01378	0.22	0.11	0.22	0.11	0.22	100
Benzene (ug/l)	MW-300	18	0.6797	0.515	0.1214	0.592	0.22	1.24	0.114	1.73	16.67
Benzene (ug/l)	MW-301	18	0.2138	0.08771	0.02067	0.22	0.156	0.22	0.11	0.5	88.89
Benzene (ug/l)	MW-302R	19	0.1942	0.09143	0.02098	0.22	0.11	0.22	0.11	0.5	100
Benzene (ug/l)	MW-303	19	0.1897	0.05889	0.01351	0.22	0.11	0.22	0.11	0.305	94.74
Benzene (ug/l)	MW-304R	18	0.1833	0.05336	0.01258	0.22	0.11	0.22	0.11	0.22	100
Benzene (ug/l)	MW-305	18	0.1772	0.05518	0.01301	0.22	0.11	0.22	0.11	0.22	100
Benzene (ug/l)	MW-501	8	0.22	0	0	0.22	0.22	0.22	0.22	0.22	100
Benzene (ug/l)	MW-9AR (bg)	14	0.22	0	0	0.22	0.22	0.22	0.22	0.22	100
Chlorobenzene (ug/l)	MW-15	19	0.3542	0.1869	0.04288	0.4	0.19	0.4	0.19	1	100
Chlorobenzene (ug/l)	MW-18	18	0.3633	0.1879	0.0443	0.4	0.19	0.4	0.19	1	100
Chlorobenzene (ug/l)	MW-19	18	4.359	2.32	0.5469	4.44	2.175	6.545	0.2	7.77	5.556

Box & Whiskers Plot

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/20/2023, 4:22 PM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Lower Q.	Upper Q.	Min.	Max.	%NDs
Chlorobenzene (ug/l)	MW-20	18	7.216	1.811	0.4269	7.35	5.56	8.18	4.9	10.8	0
Chlorobenzene (ug/l)	MW-201B (bg)	18	0.3633	0.1879	0.0443	0.4	0.19	0.4	0.19	1	100
Chlorobenzene (ug/l)	MW-22	18	0.6157	0.2197	0.05178	0.634	0.4	0.7775	0.19	0.922	27.78
Chlorobenzene (ug/l)	MW-24	18	0.3183	0.1053	0.02483	0.4	0.19	0.4	0.19	0.4	100
Chlorobenzene (ug/l)	MW-26A	14	0.34	0.09845	0.02631	0.4	0.19	0.4	0.19	0.4	100
Chlorobenzene (ug/l)	MW-300	18	1.28	1.251	0.2949	0.7185	0.4	2.435	0.19	4.06	44.44
Chlorobenzene (ug/l)	MW-301	18	0.5984	0.2988	0.07044	0.529	0.4	0.8665	0.19	1.22	33.33
Chlorobenzene (ug/l)	MW-302R	19	0.3542	0.1869	0.04288	0.4	0.19	0.4	0.19	1	100
Chlorobenzene (ug/l)	MW-303	19	0.3337	0.1003	0.02301	0.4	0.19	0.4	0.19	0.4	100
Chlorobenzene (ug/l)	MW-304R	18	0.33	0.1019	0.02401	0.4	0.19	0.4	0.19	0.4	100
Chlorobenzene (ug/l)	MW-305	18	0.3183	0.1053	0.02483	0.4	0.19	0.4	0.19	0.4	100
Chlorobenzene (ug/l)	MW-501	8	0.4	0	0	0.4	0.4	0.4	0.4	0.4	100
Chlorobenzene (ug/l)	MW-9AR (bg)	14	0.4	0	0	0.4	0.4	0.4	0.4	0.4	100
Silvex [2,4,5-TP] (ug/l)	MW-15	3	0.4687	0.5075	0.293	0.296	0.07	1.04	0.07	1.04	100
Silvex [2,4,5-TP] (ug/l)	MW-18	2	0.185	0.1626	0.115	0.185	0.185	0.185	0.07	0.3	100
Silvex [2,4,5-TP] (ug/l)	MW-19	2	0.222	0.123	0.087	0.222	0.222	0.222	0.135	0.309	100
Silvex [2,4,5-TP] (ug/l)	MW-20	9	1.422	1.257	0.4191	1.21	0.3075	2.975	0.296	3.09	100
Silvex [2,4,5-TP] (ug/l)	MW-201B (bg)	4	0.5105	0.4	0.2	0.3175	0.299	0.722	0.297	1.11	100
Silvex [2,4,5-TP] (ug/l)	MW-22	17	0.685	0.7348	0.1782	0.303	0.2205	1.435	0.07	2.11	58.82
Silvex [2,4,5-TP] (ug/l)	MW-24	2	0.1925	0.1732	0.1225	0.1925	0.1925	0.1925	0.07	0.315	100
Silvex [2,4,5-TP] (ug/l)	MW-26A	2	0.2985	0.007778	0.0055	0.2985	0.2985	0.2985	0.293	0.304	100
Silvex [2,4,5-TP] (ug/l)	MW-300	2	0.227	0.1344	0.095	0.227	0.227	0.227	0.132	0.322	100
Silvex [2,4,5-TP] (ug/l)	MW-301	2	0.2195	0.1223	0.0865	0.2195	0.2195	0.2195	0.133	0.306	100
Silvex [2,4,5-TP] (ug/l)	MW-302R	2	0.187	0.1655	0.117	0.187	0.187	0.187	0.07	0.304	100
Silvex [2,4,5-TP] (ug/l)	MW-303	2	0.08045	0.07997	0.05655	0.08045	0.08045	0.08045	0.0239	0.137	100
Silvex [2,4,5-TP] (ug/l)	MW-304R	1	0.298	0	0	0.298	0.298	0.298	0.298	0.298	100
Silvex [2,4,5-TP] (ug/l)	MW-305	2	0.184	0.1612	0.114	0.184	0.184	0.184	0.07	0.298	100
Silvex [2,4,5-TP] (ug/l)	MW-9AR (bg)	2	0.304	0.005657	0.004	0.304	0.304	0.304	0.3	0.308	100

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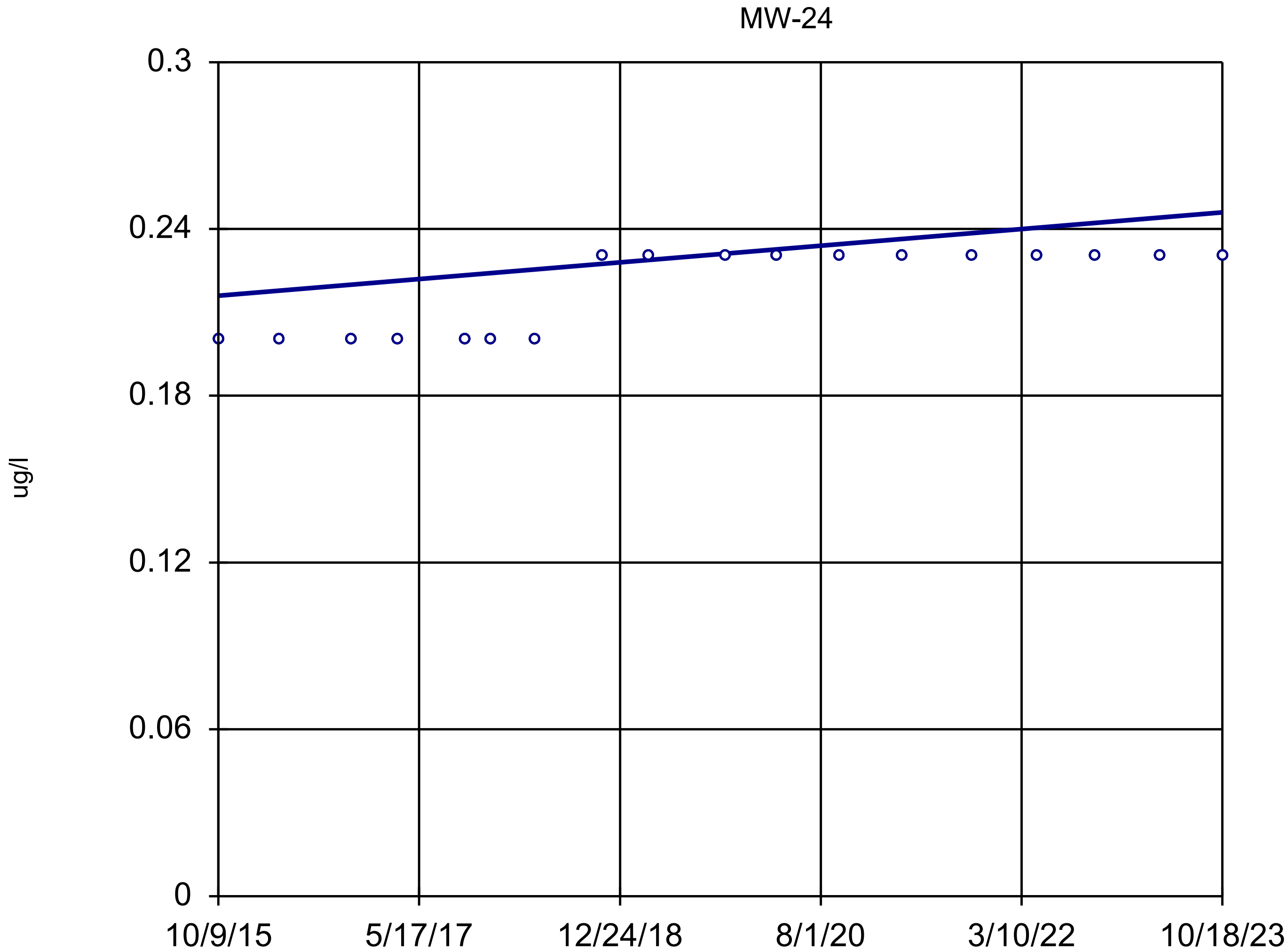
Hollow symbols indicate censored values.

Sen's Slope Estimator



n = 18

Slope = 0.003736
units per year.

Mann-Kendall
statistic = 77
critical = 63

Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: 1,4-Dichlorobenzene   Analysis Run 11/20/2023 4:23 PM   View: App I VOCs_detected

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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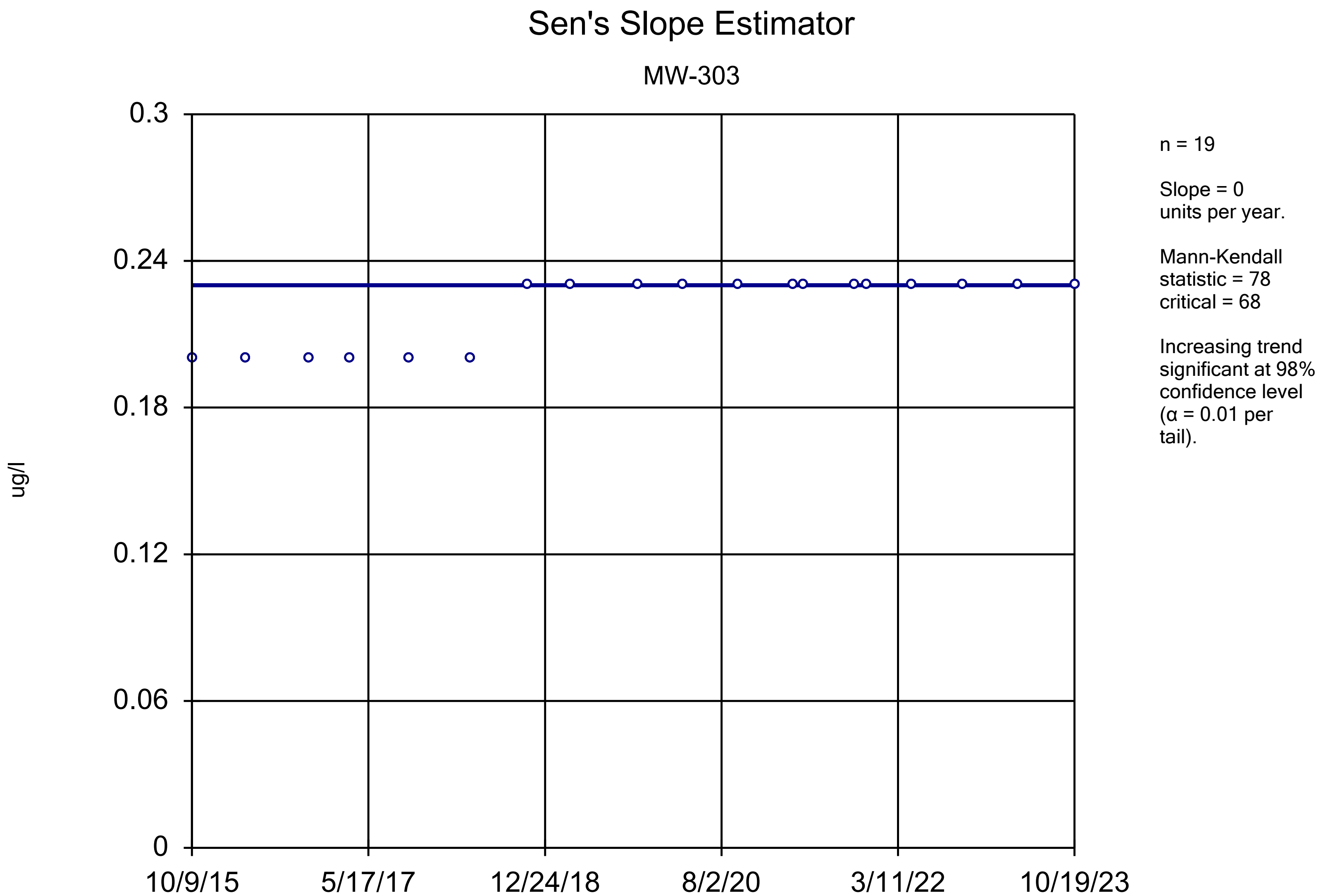
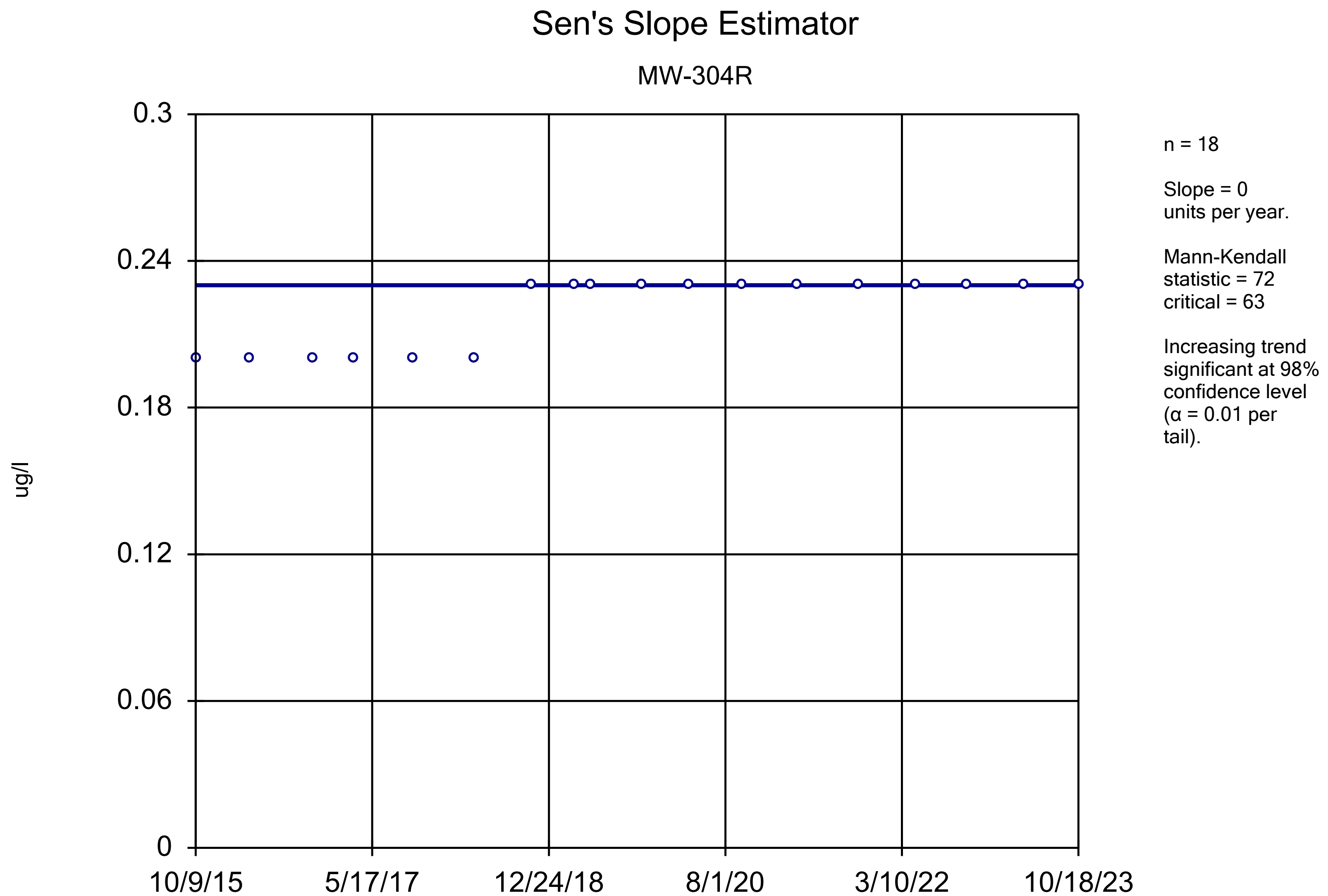
Hollow symbols indicate censored values.



Constituent: 1,4-Dichlorobenzene Analysis Run 11/20/2023 4:23 PM View: App I VOCs_detected

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.



Constituent: 1,4-Dichlorobenzene   Analysis Run 11/20/2023 4:23 PM   View: App I VOCs_detected

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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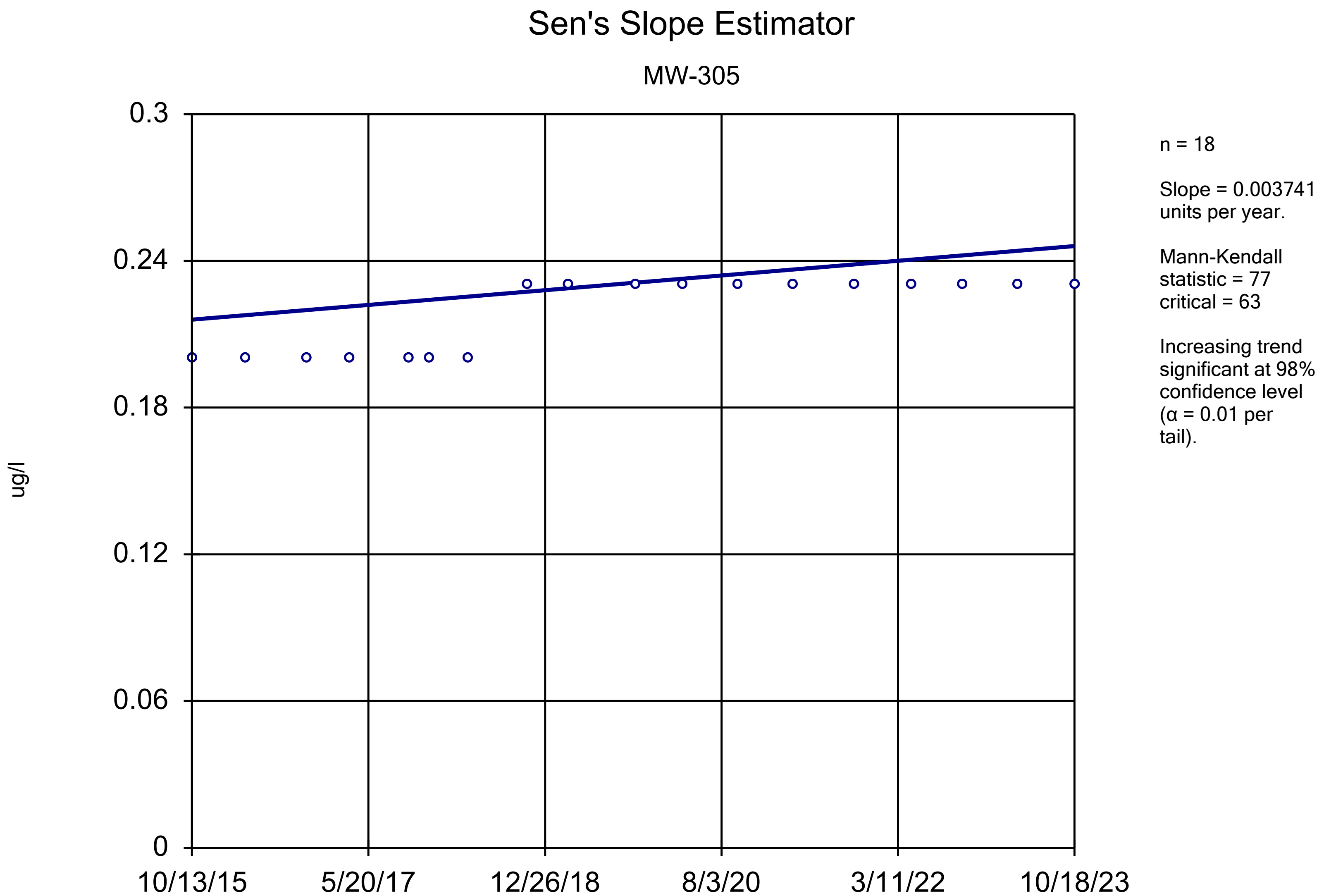
Hollow symbols indicate censored values.



Constituent: 1,4-Dichlorobenzene Analysis Run 11/20/2023 4:23 PM View: App I VOCs_detected

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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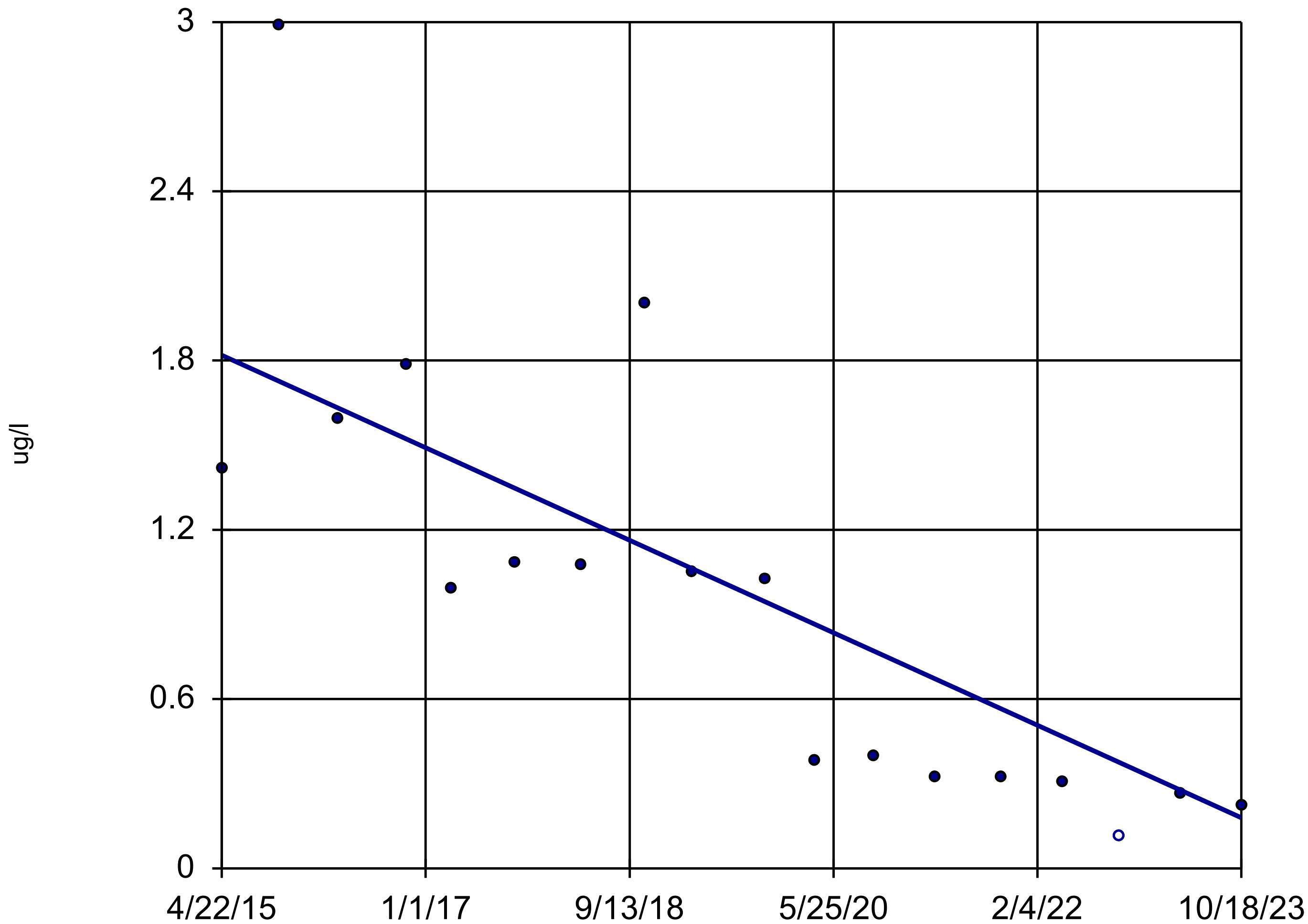
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-19



n = 18

Slope = -0.193
units per year.

Mann-Kendall
statistic = -119
critical = -63

Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Benzene   Analysis Run 11/20/2023 4:24 PM   View: App I VOCs_detected

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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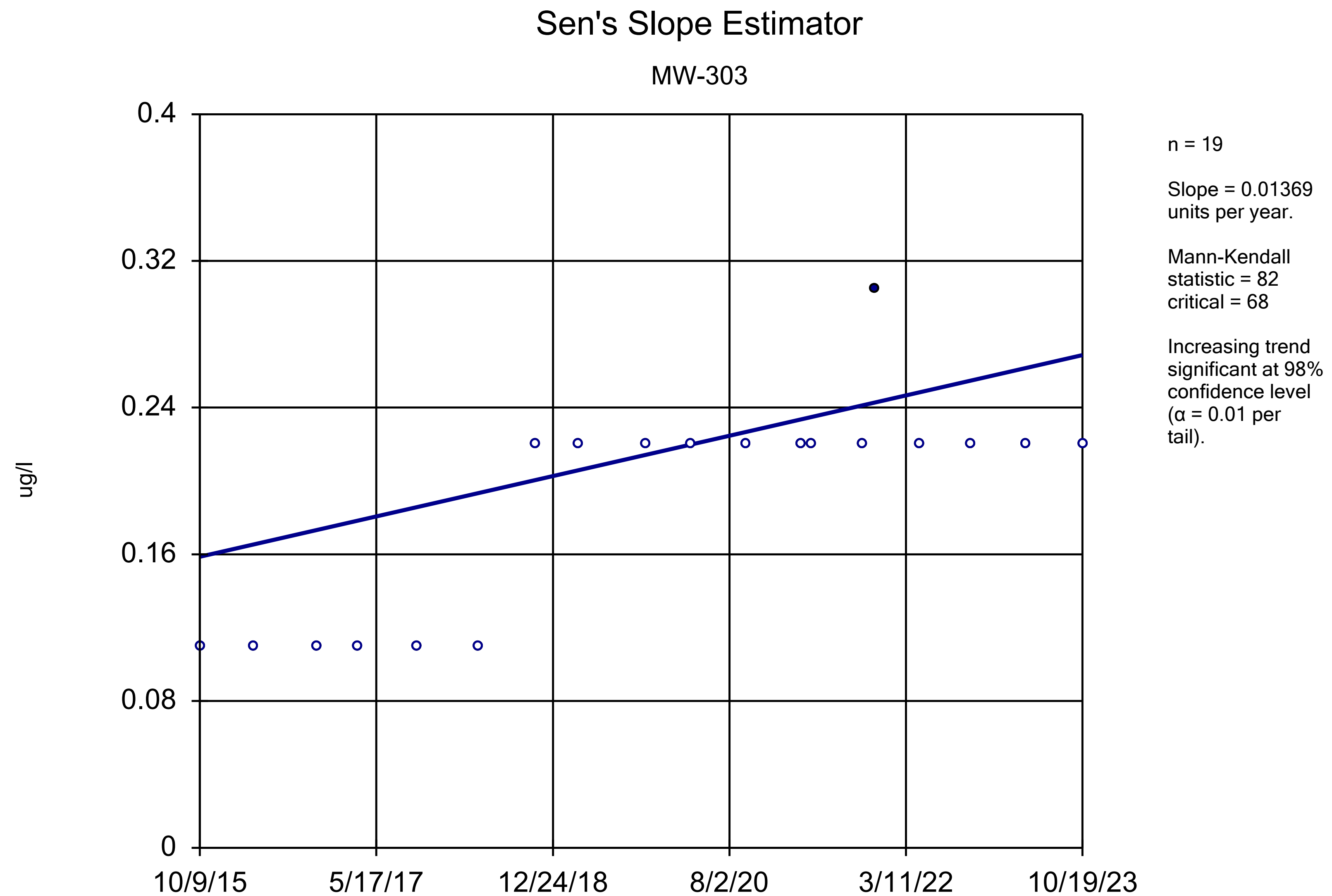
Hollow symbols indicate censored values.



Constituent: Benzene   Analysis Run 11/20/2023 4:24 PM   View: App I VOCs_detected

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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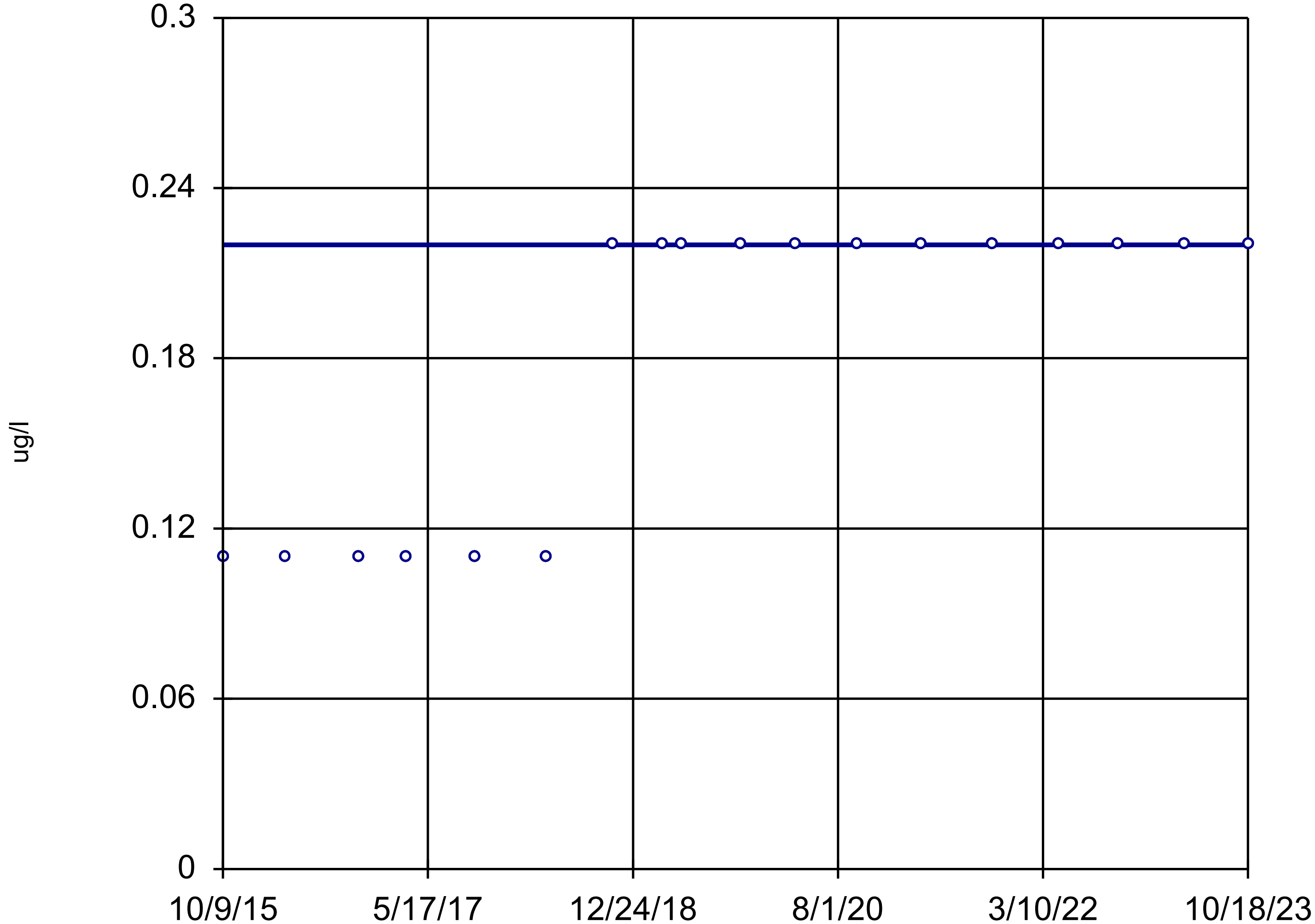
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-304R



n = 18

Slope = 0
units per year.

Mann-Kendall
statistic = 72
critical = 63

Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Benzene   Analysis Run 11/20/2023 4:24 PM   View: App I VOCs_detected

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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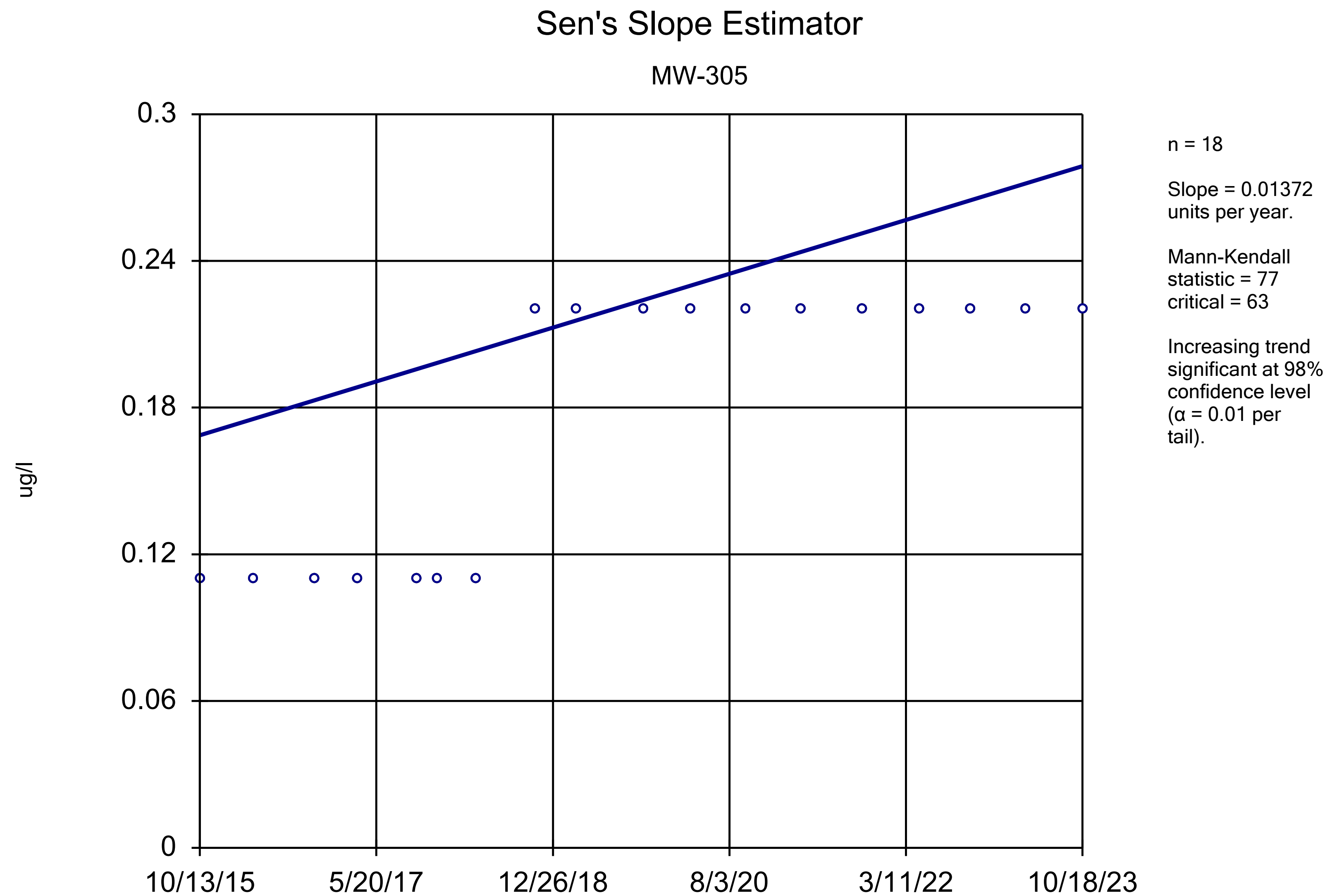
Hollow symbols indicate censored values.



Constituent: Benzene Analysis Run 11/20/2023 4:24 PM View: App I VOCs_detected
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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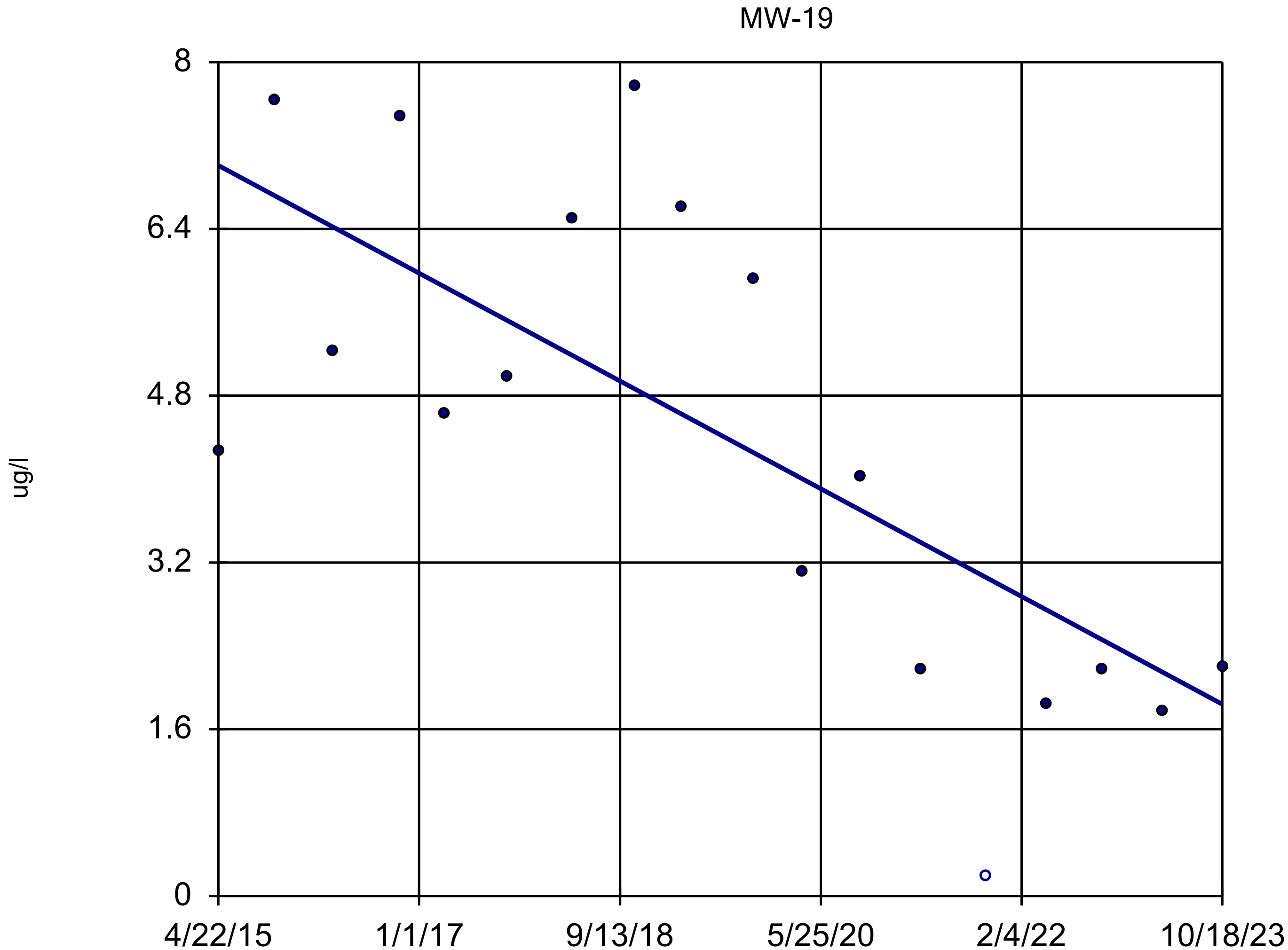
Hollow symbols indicate censored values.

Sen's Slope Estimator



n = 18

Slope = -0.6083
units per year.

Mann-Kendall
statistic = -77
critical = -63

Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Chlorobenzene   Analysis Run 11/20/2023 4:24 PM   View: App I VOCs_detected

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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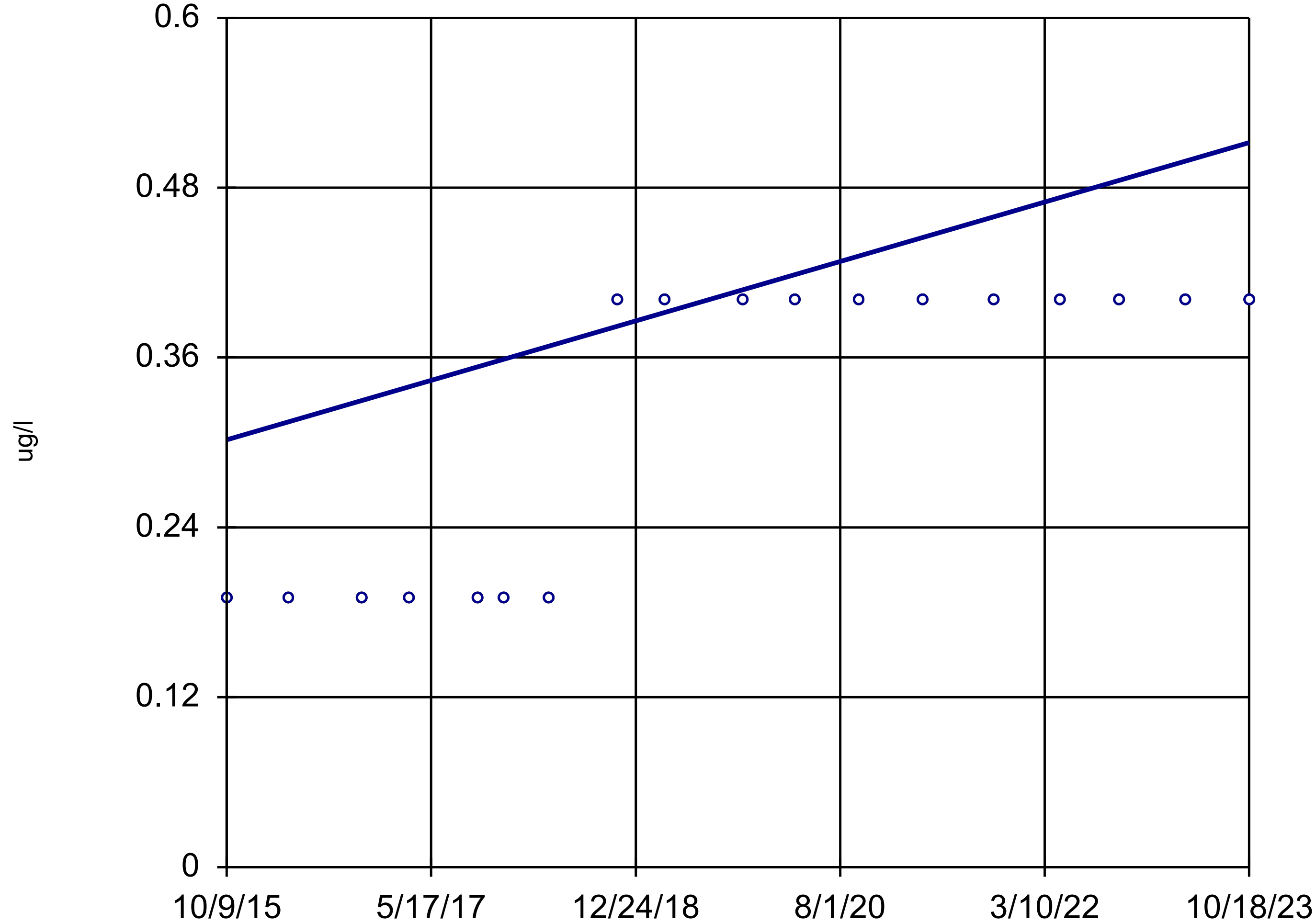
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-24



n = 18

Slope = 0.02615 units per year.

Mann-Kendall statistic = 77 critical = 63

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chlorobenzene   Analysis Run 11/20/2023 4:24 PM   View: App I VOCs_detected

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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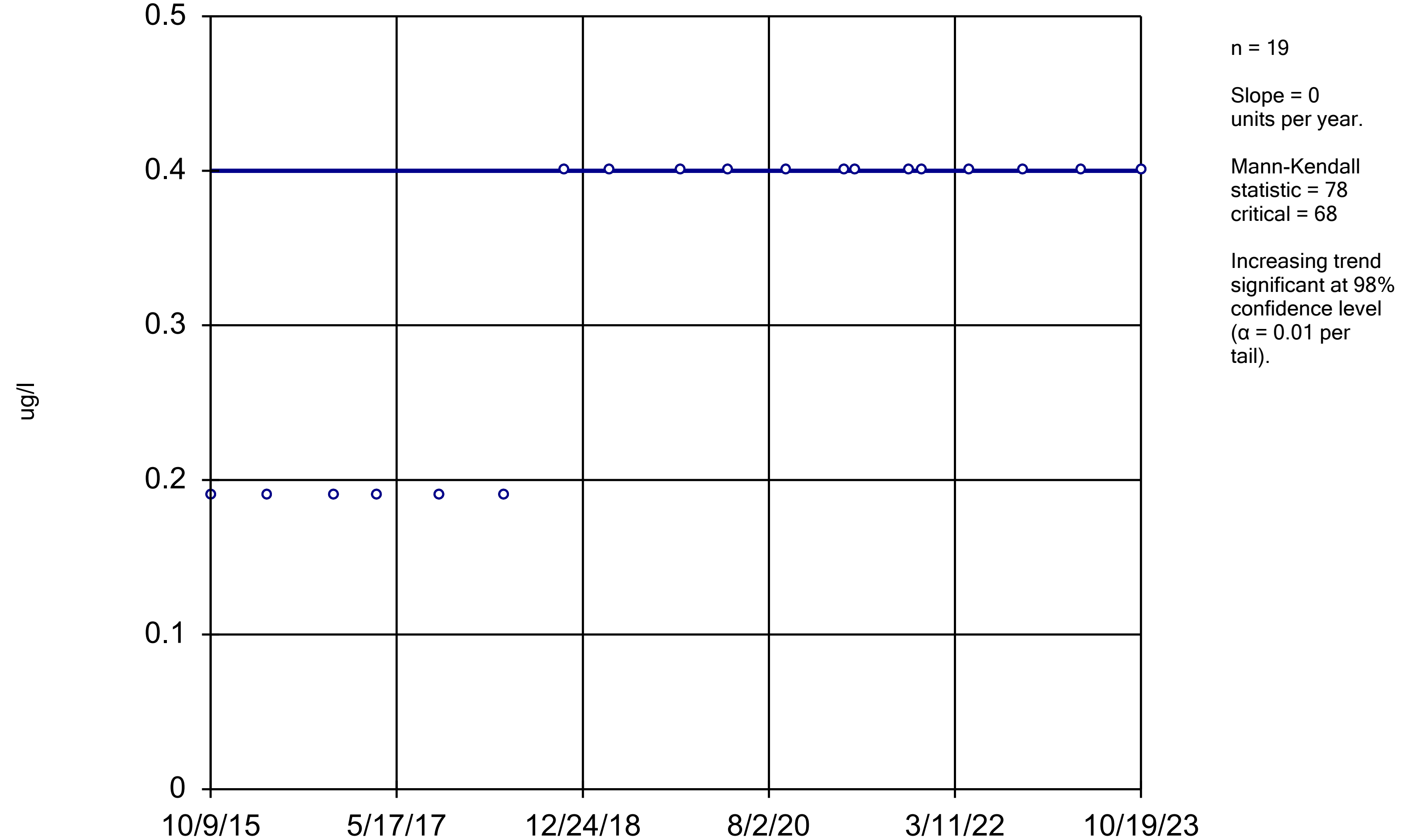
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-303

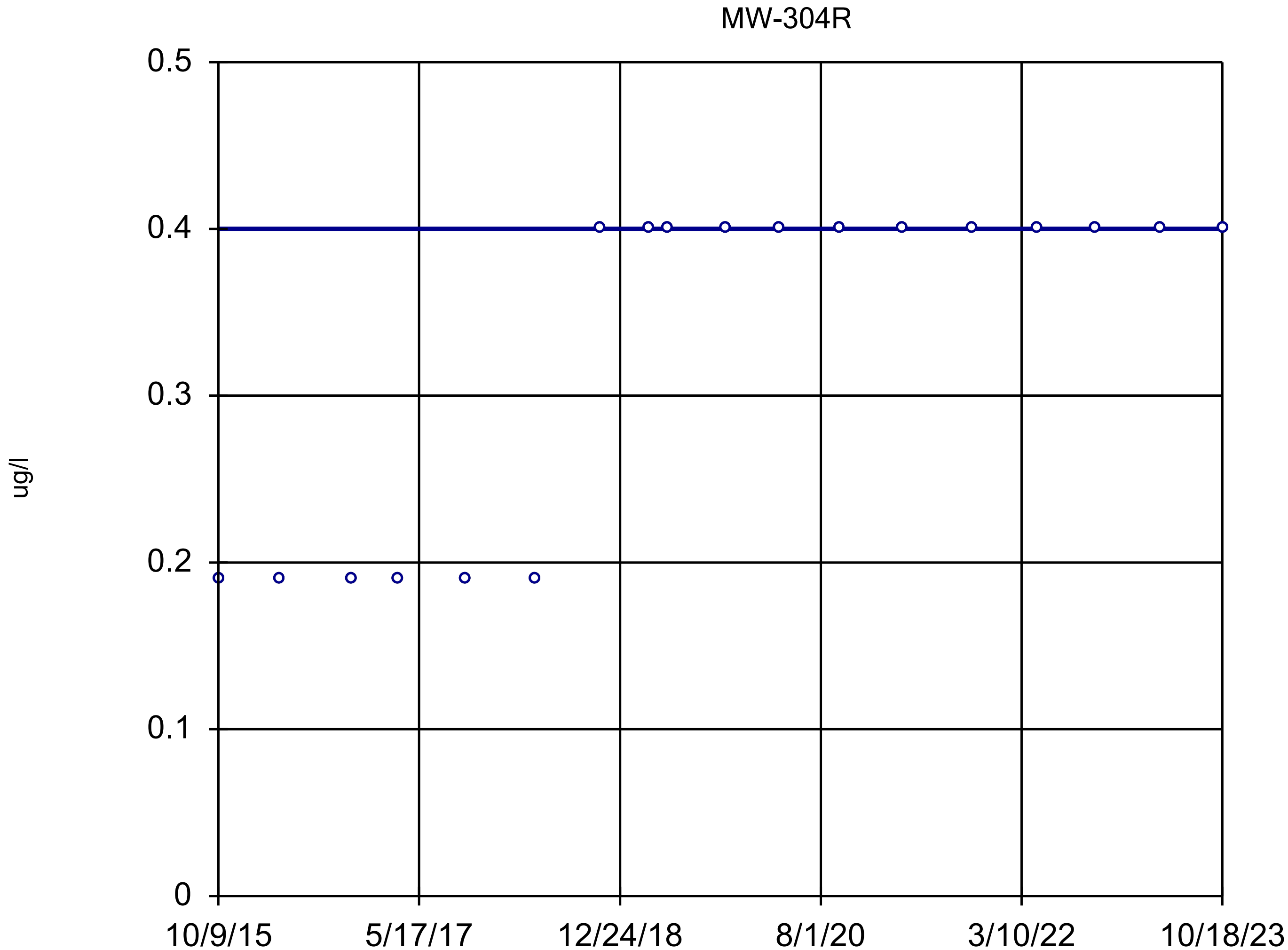


Constituent: Chlorobenzene Analysis Run 11/20/2023 4:24 PM View: App I VOCs_detected

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator



n = 18

Slope = 0
units per year.

Mann-Kendall
statistic = 72
critical = 63

Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Chlorobenzene   Analysis Run 11/20/2023 4:24 PM   View: App I VOCs_detected

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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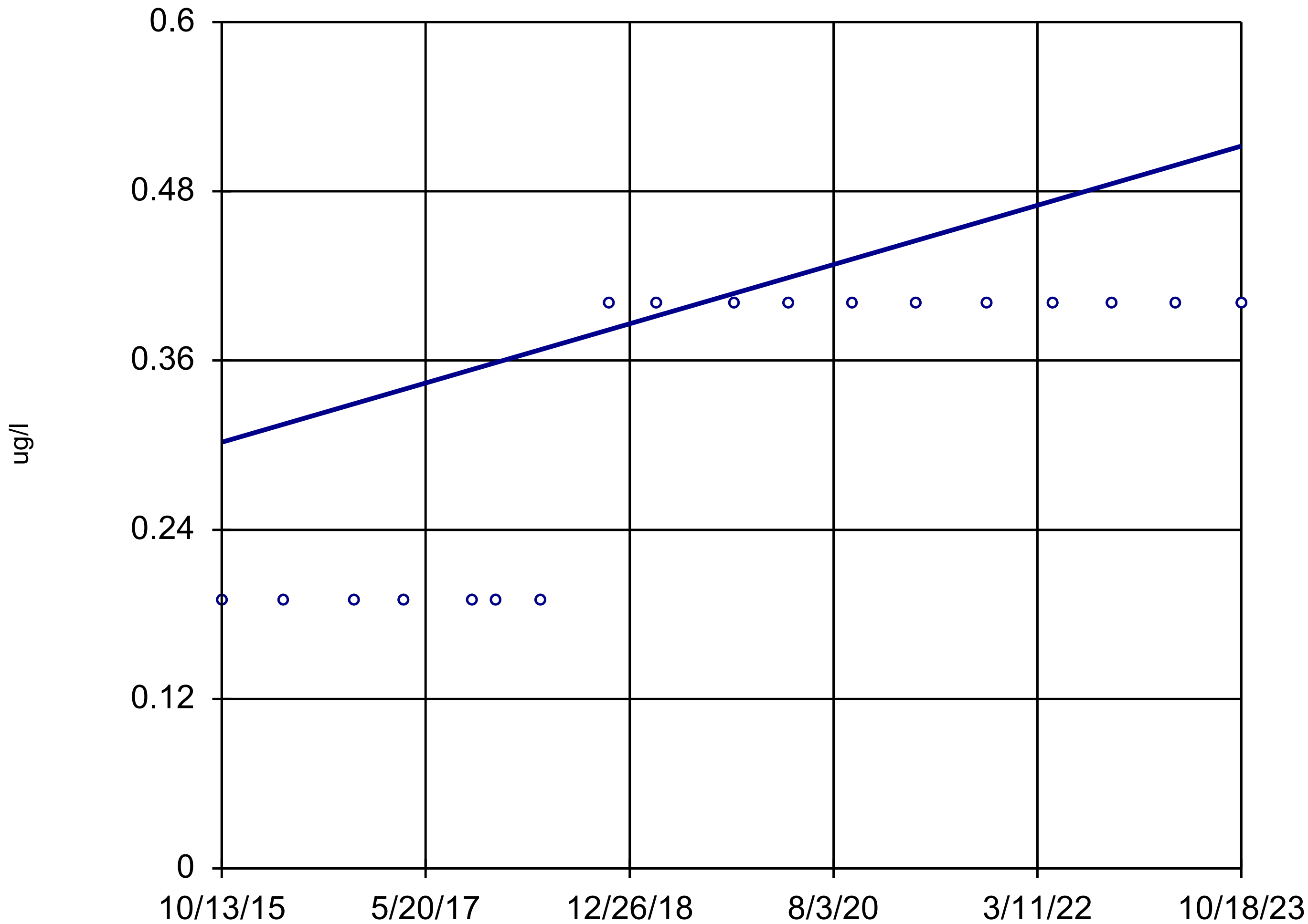
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-305



n = 18

Slope = 0.02619 units per year.

Mann-Kendall statistic = 77 critical = 63

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chlorobenzene   Analysis Run 11/20/2023 4:24 PM   View: App I VOCs_detected

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Trend Test

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/20/2023, 4:25 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
1,4-Dichlorobenzene (ug/l)	MW-15	0	59	68	No	19	100	0.02	NP
1,4-Dichlorobenzene (ug/l)	MW-18	0	49	63	No	18	100	0.02	NP
1,4-Dichlorobenzene (ug/l)	MW-19	-0.135	-28	-63	No	18	16.67	0.02	NP
1,4-Dichlorobenzene (ug/l)	MW-20	0.006033	31	63	No	18	55.56	0.02	NP
1,4-Dichlorobenzene (ug/l)	MW-201B (bg)	0	49	63	No	18	100	0.02	NP
1,4-Dichlorobenzene (ug/l)	MW-22	0	49	63	No	18	100	0.02	NP
1,4-Dichlorobenzene (ug/l)	**MW-24**	**0.003736**	**77**	**63**	**Yes**	**18**	**100**	**0.02**	**NP**
1,4-Dichlorobenzene (ug/l)	MW-26A	0	40	44	No	14	100	0.02	NP
1,4-Dichlorobenzene (ug/l)	MW-300	0.015	52	63	No	18	44.44	0.02	NP
1,4-Dichlorobenzene (ug/l)	MW-301	0	24	63	No	18	94.44	0.02	NP
1,4-Dichlorobenzene (ug/l)	MW-302R	0	59	68	No	19	100	0.02	NP
1,4-Dichlorobenzene (ug/l)	**MW-303**	**0**	**78**	**68**	**Yes**	**19**	**100**	**0.02**	**NP**
1,4-Dichlorobenzene (ug/l)	**MW-304R**	**0**	**72**	**63**	**Yes**	**18**	**100**	**0.02**	**NP**
1,4-Dichlorobenzene (ug/l)	**MW-305**	**0.003741**	**77**	**63**	**Yes**	**18**	**100**	**0.02**	**NP**
1,4-Dichlorobenzene (ug/l)	MW-501	0	0	20	No	8	100	0.02	NP
1,4-Dichlorobenzene (ug/l)	MW-9AR (bg)	0	0	44	No	14	100	0.02	NP
4,4`-DDT (ug/l)	MW-15	0.006539	NaN	NaN	No	2	100	NaN	NP
4,4`-DDT (ug/l)	MW-18	0.004998	NaN	NaN	No	2	50	NaN	NP
4,4`-DDT (ug/l)	MW-19	0.001748	NaN	NaN	No	2	100	NaN	NP
4,4`-DDT (ug/l)	MW-20	0.001774	NaN	NaN	No	2	100	NaN	NP
4,4`-DDT (ug/l)	MW-22	0.005871	NaN	NaN	No	3	100	NaN	NP
4,4`-DDT (ug/l)	MW-24	0.004526	NaN	NaN	No	2	50	NaN	NP
4,4`-DDT (ug/l)	MW-26A	-0.03067	NaN	NaN	No	2	0	NaN	NP
4,4`-DDT (ug/l)	MW-300	0.001748	NaN	NaN	No	2	100	NaN	NP
4,4`-DDT (ug/l)	MW-301	0.00175	NaN	NaN	No	2	100	NaN	NP
4,4`-DDT (ug/l)	MW-302R	0.007077	NaN	NaN	No	2	100	NaN	NP
4,4`-DDT (ug/l)	MW-303	0.01944	NaN	NaN	No	3	66.67	NaN	NP
4,4`-DDT (ug/l)	MW-305	0.006539	NaN	NaN	No	2	100	NaN	NP
4,4`-DDT (ug/l)	MW-9AR (bg)	0.0002729	NaN	NaN	No	2	100	NaN	NP
Benzene (ug/l)	MW-15	0	23	68	No	19	78.95	0.02	NP
Benzene (ug/l)	MW-18	0	50	63	No	18	94.44	0.02	NP
Benzene (ug/l)	**MW-19**	**-0.193**	**-119**	**-63**	**Yes**	**18**	**5.556**	**0.02**	**NP**
Benzene (ug/l)	MW-20	-0.1434	-32	-63	No	18	0	0.02	NP
Benzene (ug/l)	MW-201B (bg)	0	49	63	No	18	100	0.02	NP
Benzene (ug/l)	MW-22	0.03221	56	63	No	18	0	0.02	NP
Benzene (ug/l)	MW-24	0	55	63	No	18	88.89	0.02	NP
Benzene (ug/l)	MW-26A	0	40	44	No	14	100	0.02	NP
Benzene (ug/l)	MW-300	-0.1121	-57	-63	No	18	16.67	0.02	NP
Benzene (ug/l)	MW-301	0	20	63	No	18	88.89	0.02	NP
Benzene (ug/l)	MW-302R	0	59	68	No	19	100	0.02	NP
Benzene (ug/l)	**MW-303**	**0.01369**	**82**	**68**	**Yes**	**19**	**94.74**	**0.02**	**NP**
Benzene (ug/l)	**MW-304R**	**0**	**72**	**63**	**Yes**	**18**	**100**	**0.02**	**NP**
Benzene (ug/l)	**MW-305**	**0.01372**	**77**	**63**	**Yes**	**18**	**100**	**0.02**	**NP**
Benzene (ug/l)	MW-501	0	0	20	No	8	100	0.02	NP
Benzene (ug/l)	MW-9AR (bg)	0	0	44	No	14	100	0.02	NP
Chlorobenzene (ug/l)	MW-15	0	59	68	No	19	100	0.02	NP
Chlorobenzene (ug/l)	MW-18	0	49	63	No	18	100	0.02	NP
Chlorobenzene (ug/l)	**MW-19**	**-0.6083**	**-77**	**-63**	**Yes**	**18**	**5.556**	**0.02**	**NP**
Chlorobenzene (ug/l)	MW-20	-0.2367	-52	-63	No	18	0	0.02	NP
Chlorobenzene (ug/l)	MW-201B (bg)	0	49	63	No	18	100	0.02	NP

Trend Test

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/20/2023, 4:25 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Chlorobenzene (ug/l)	MW-22	0	-1	-63	No	18	27.78	0.02	NP
Chlorobenzene (ug/l)	**MW-24**	**0.02615**	**77**	**63**	**Yes**	**18**	**100**	**0.02**	**NP**
Chlorobenzene (ug/l)	MW-26A	0	40	44	No	14	100	0.02	NP
Chlorobenzene (ug/l)	MW-300	0.03454	22	63	No	18	44.44	0.02	NP
Chlorobenzene (ug/l)	MW-301	-0.03731	-29	-63	No	18	33.33	0.02	NP
Chlorobenzene (ug/l)	MW-302R	0	59	68	No	19	100	0.02	NP
Chlorobenzene (ug/l)	**MW-303**	**0**	**78**	**68**	**Yes**	**19**	**100**	**0.02**	**NP**
Chlorobenzene (ug/l)	**MW-304R**	**0**	**72**	**63**	**Yes**	**18**	**100**	**0.02**	**NP**
Chlorobenzene (ug/l)	**MW-305**	**0.02619**	**77**	**63**	**Yes**	**18**	**100**	**0.02**	**NP**
Chlorobenzene (ug/l)	MW-501	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/l)	MW-9AR (bg)	0	0	44	No	14	100	0.02	NP
Silvex [2,4,5-TP] (ug/l)	MW-15	-0.1297	NaN	NaN	No	3	100	NaN	NP
Silvex [2,4,5-TP] (ug/l)	MW-18	-0.0458	NaN	NaN	No	2	100	NaN	NP
Silvex [2,4,5-TP] (ug/l)	MW-19	-0.03505	NaN	NaN	No	2	100	NaN	NP
Silvex [2,4,5-TP] (ug/l)	MW-20	-0.1146	-8	-23	No	9	100	0.02	NP
Silvex [2,4,5-TP] (ug/l)	MW-201B (bg)	-0.213	-4	-8	No	4	100	0.02	NP
Silvex [2,4,5-TP] (ug/l)	MW-22	-0.02329	-27	-58	No	17	58.82	0.02	NP
Silvex [2,4,5-TP] (ug/l)	MW-24	-0.05064	NaN	NaN	No	2	100	NaN	NP
Silvex [2,4,5-TP] (ug/l)	MW-26A	0.03752	NaN	NaN	No	2	100	NaN	NP
Silvex [2,4,5-TP] (ug/l)	MW-300	-0.03827	NaN	NaN	No	2	100	NaN	NP
Silvex [2,4,5-TP] (ug/l)	MW-301	-0.03489	NaN	NaN	No	2	100	NaN	NP
Silvex [2,4,5-TP] (ug/l)	MW-302R	-0.04836	NaN	NaN	No	2	100	NaN	NP
Silvex [2,4,5-TP] (ug/l)	MW-303	-0.08223	NaN	NaN	No	2	100	NaN	NP
Silvex [2,4,5-TP] (ug/l)	MW-305	-0.04712	NaN	NaN	No	2	100	NaN	NP
Silvex [2,4,5-TP] (ug/l)	MW-9AR (bg)	0.02729	NaN	NaN	No	2	100	NaN	NP

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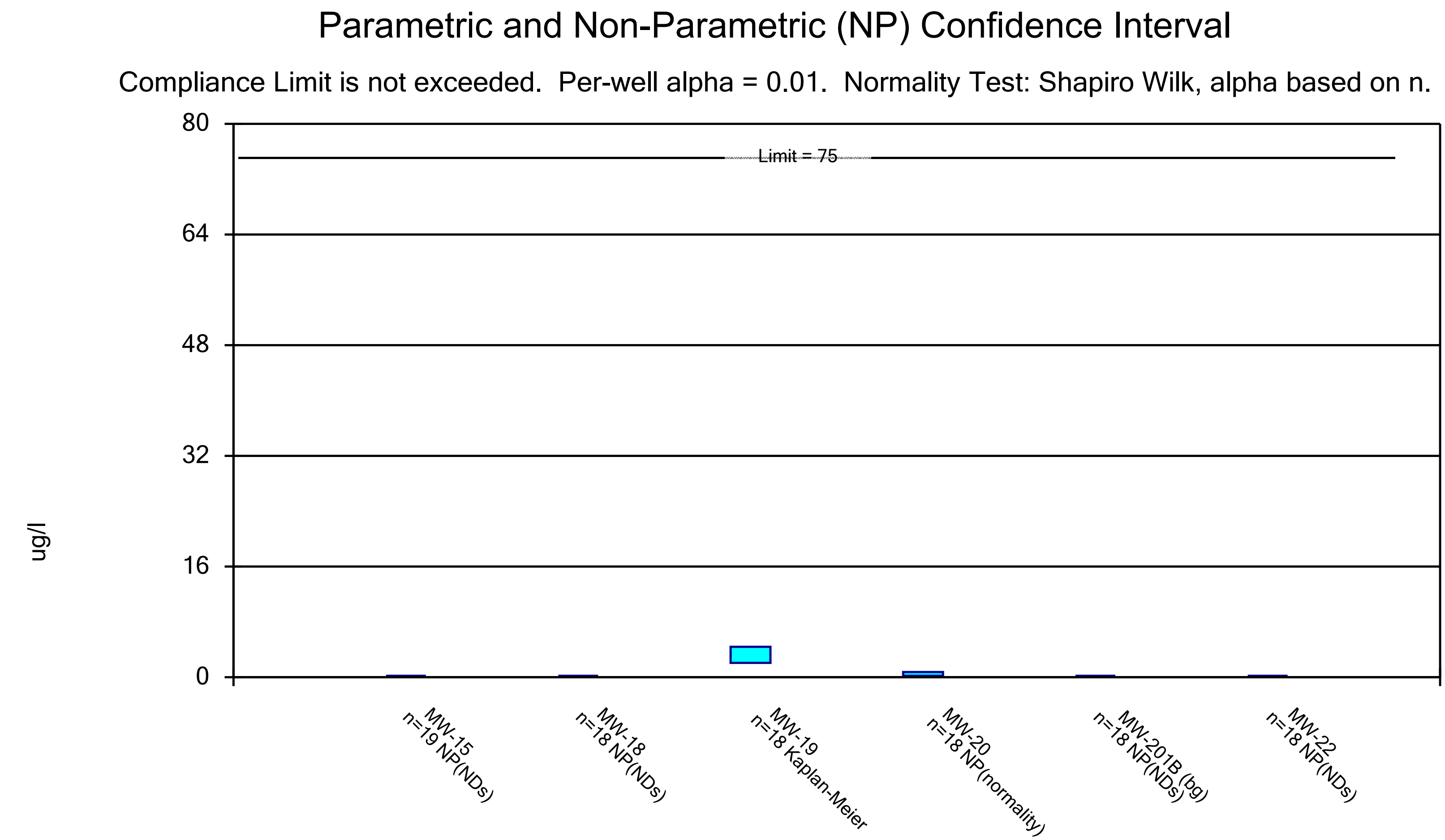

Constituent: 1,4-Dichlorobenzene Analysis Run 11/20/2023 4:26 PM View: App I VOCs_detected

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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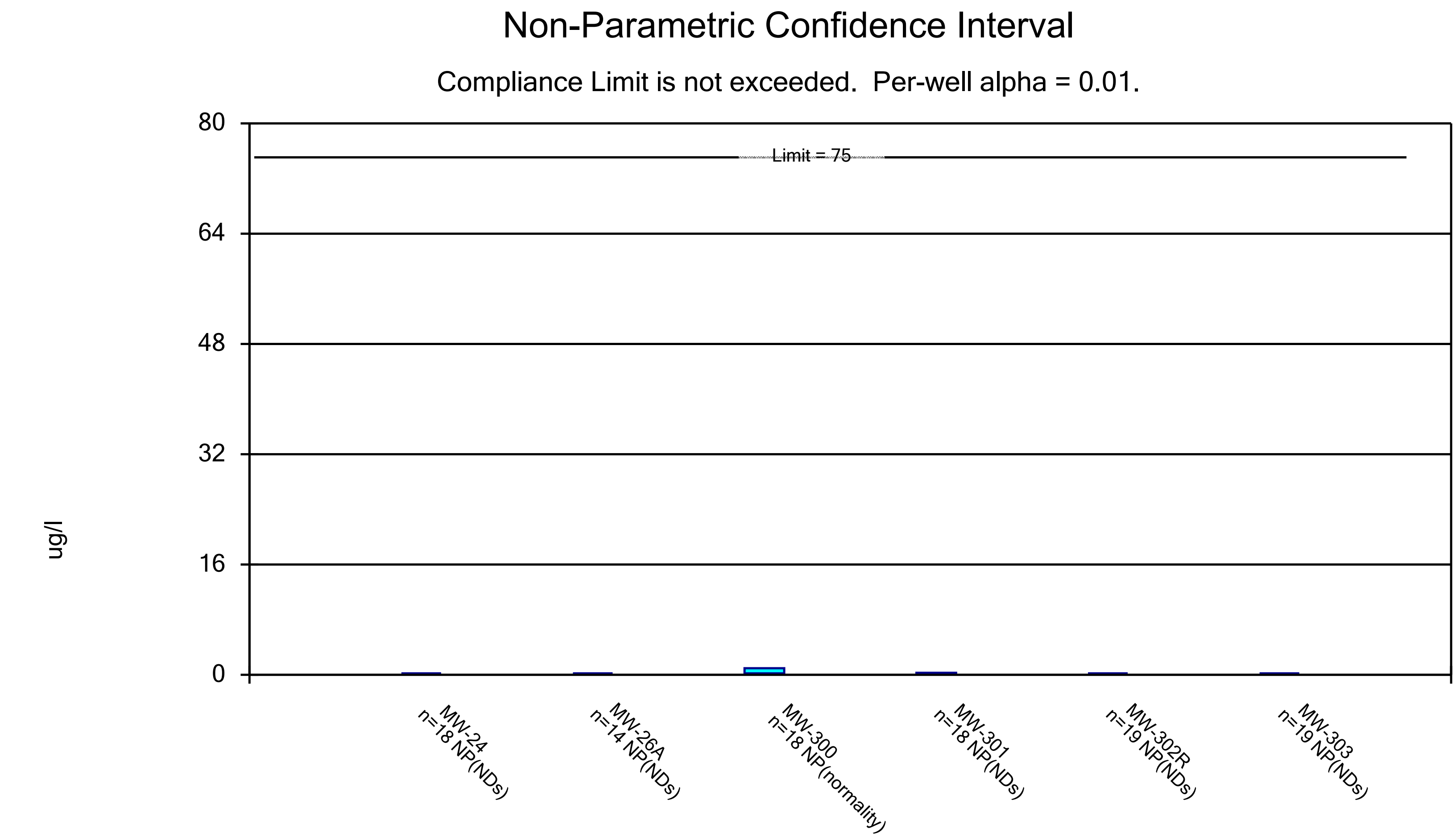

Constituent: 1,4-Dichlorobenzene   Analysis Run 11/20/2023 4:26 PM   View: App I VOCs_detected

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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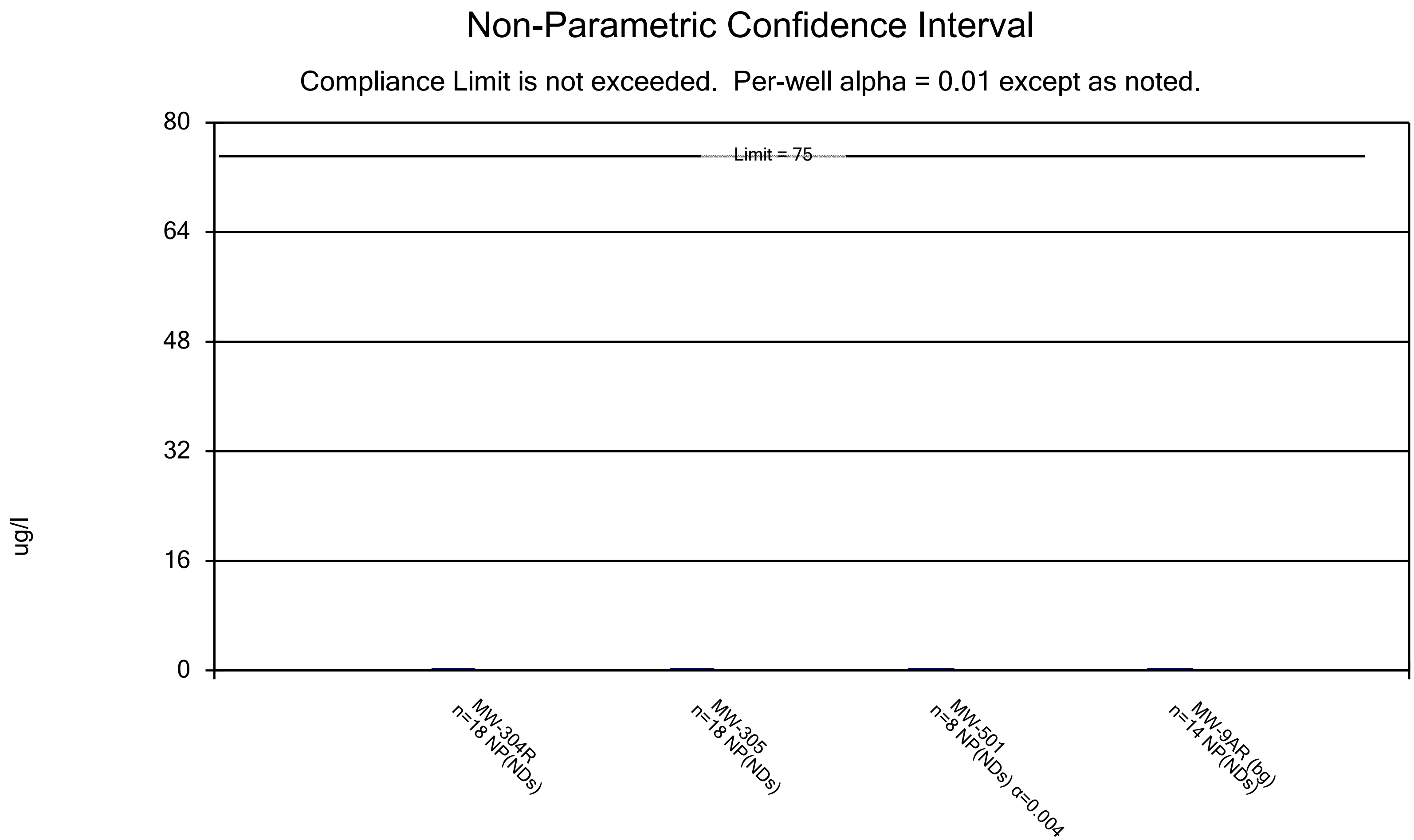

Constituent: 1,4-Dichlorobenzene Analysis Run 11/20/2023 4:26 PM View: App I VOCs_detected

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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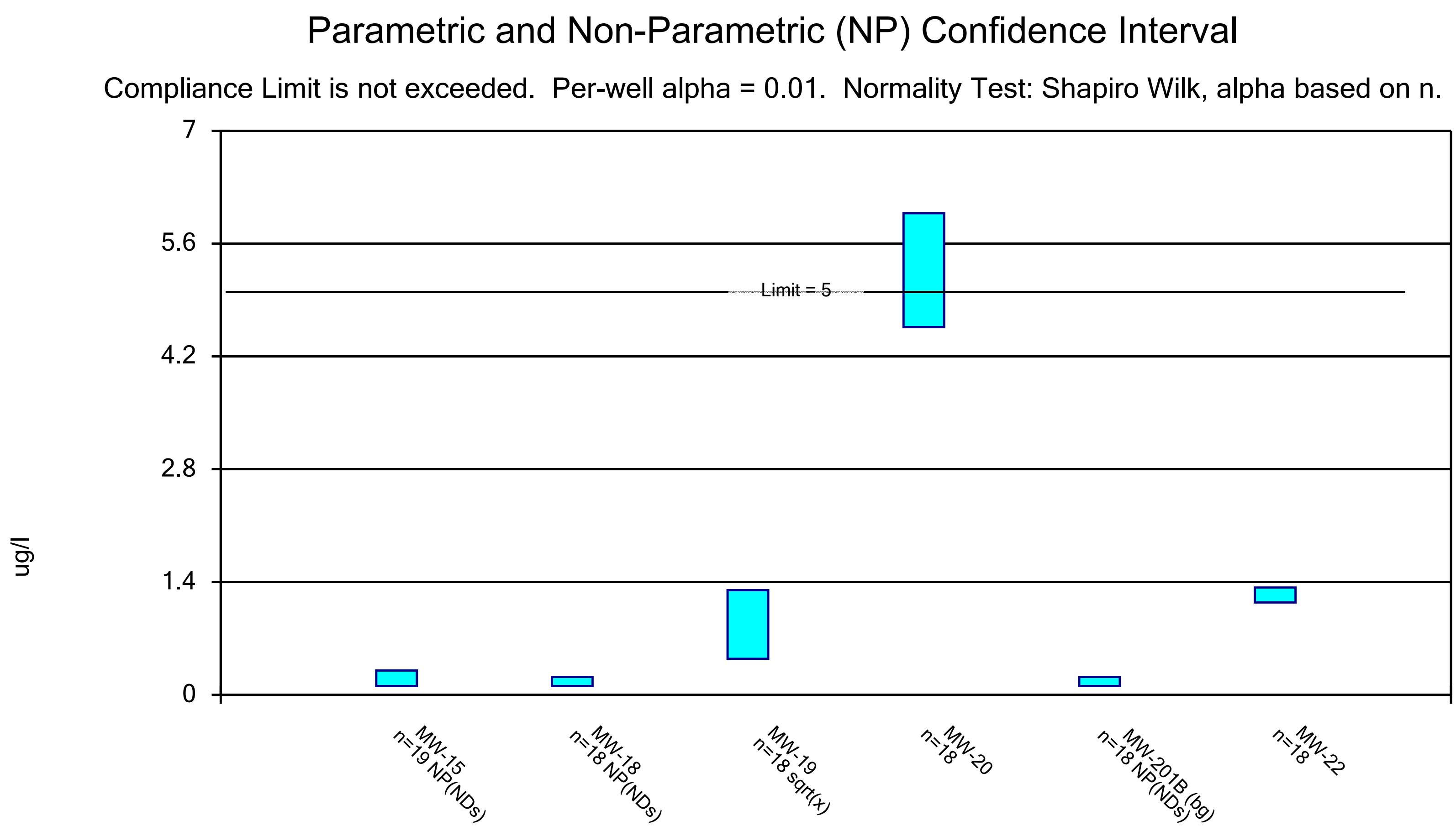

Constituent: Benzene Analysis Run 11/20/2023 4:26 PM View: App I VOCs_detected

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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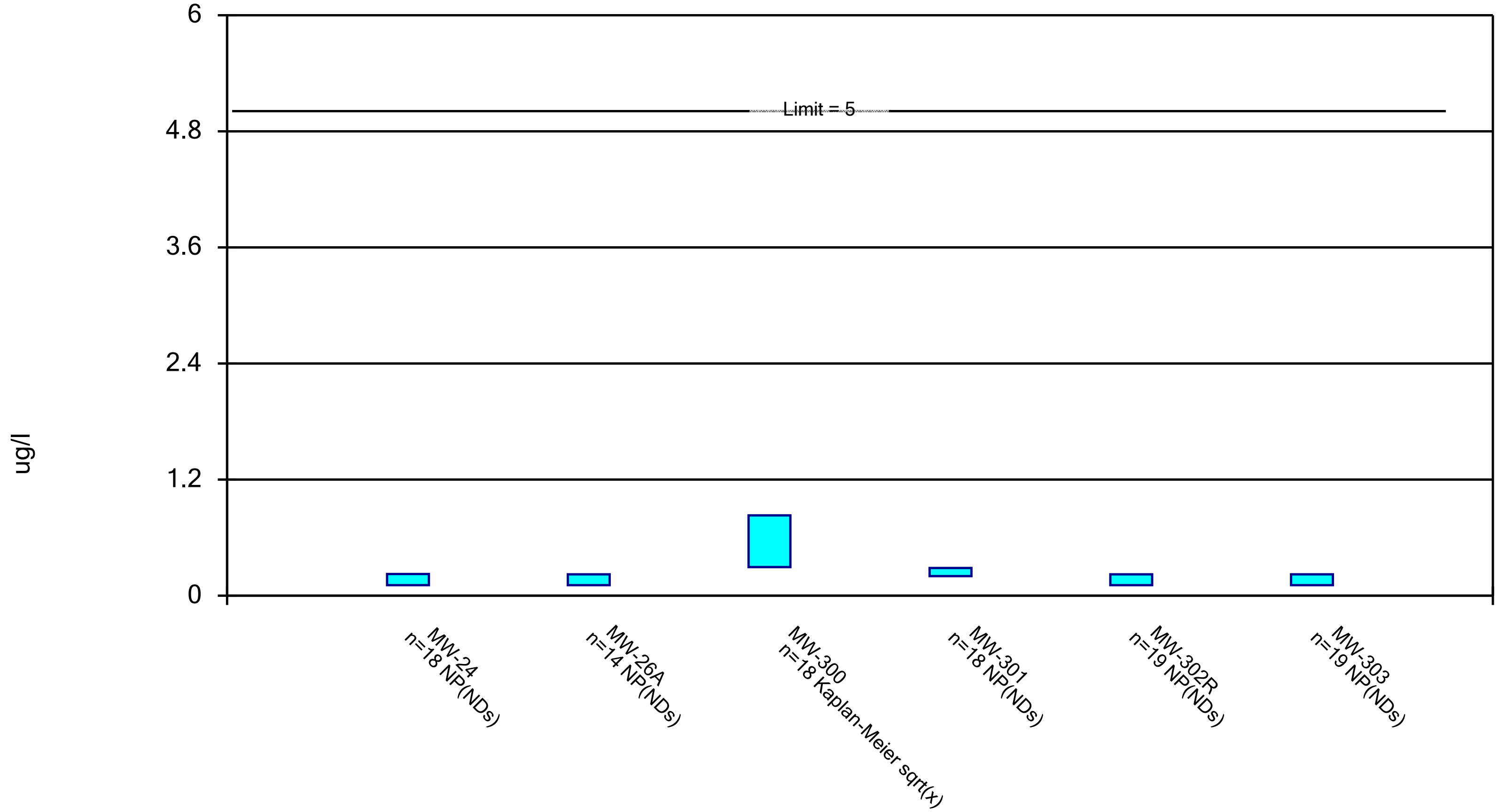
Parametric and Non-Parametric (NP) Confidence Interval

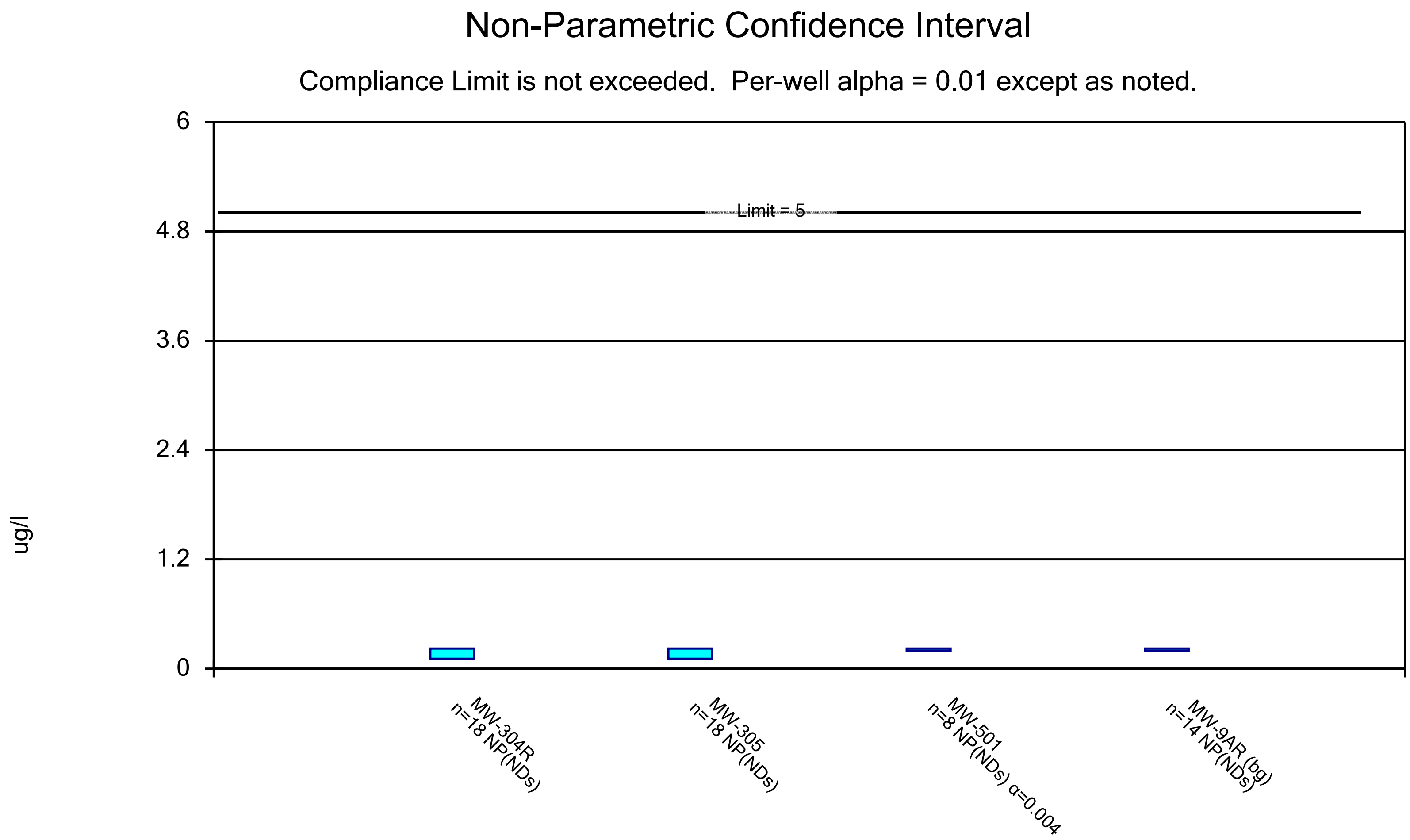
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Benzene Analysis Run 11/20/2023 4:27 PM View: App I VOCs_detected

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Sanitas™ v.9.6.37 Software licensed to HDR. UG

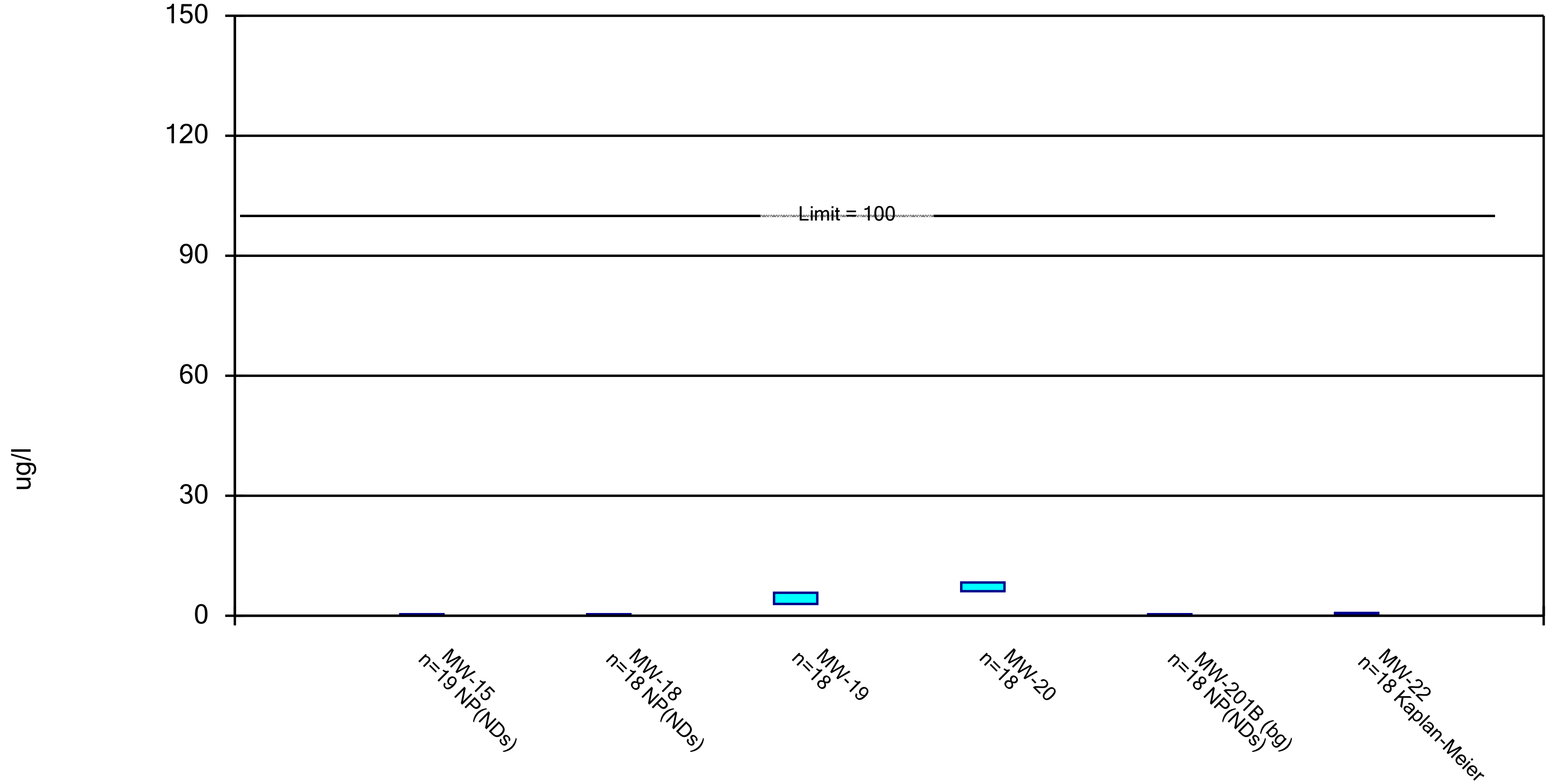


Constituent: Benzene Analysis Run 11/20/2023 4:27 PM View: App I VOCs_detected

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chlorobenzene Analysis Run 11/20/2023 4:27 PM View: App I VOCs_detected

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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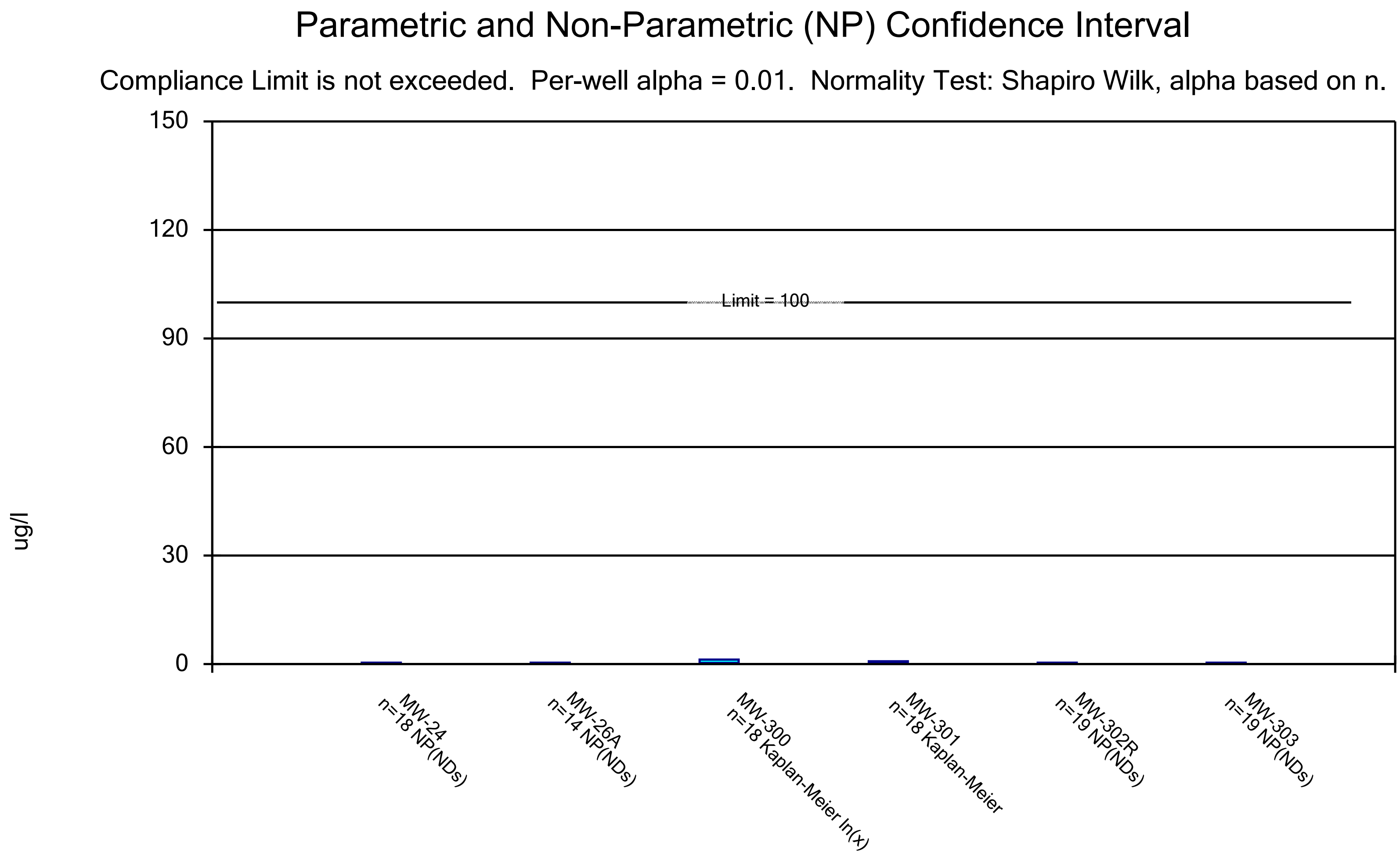

Constituent: Chlorobenzene Analysis Run 11/20/2023 4:27 PM View: App I VOCs_detected

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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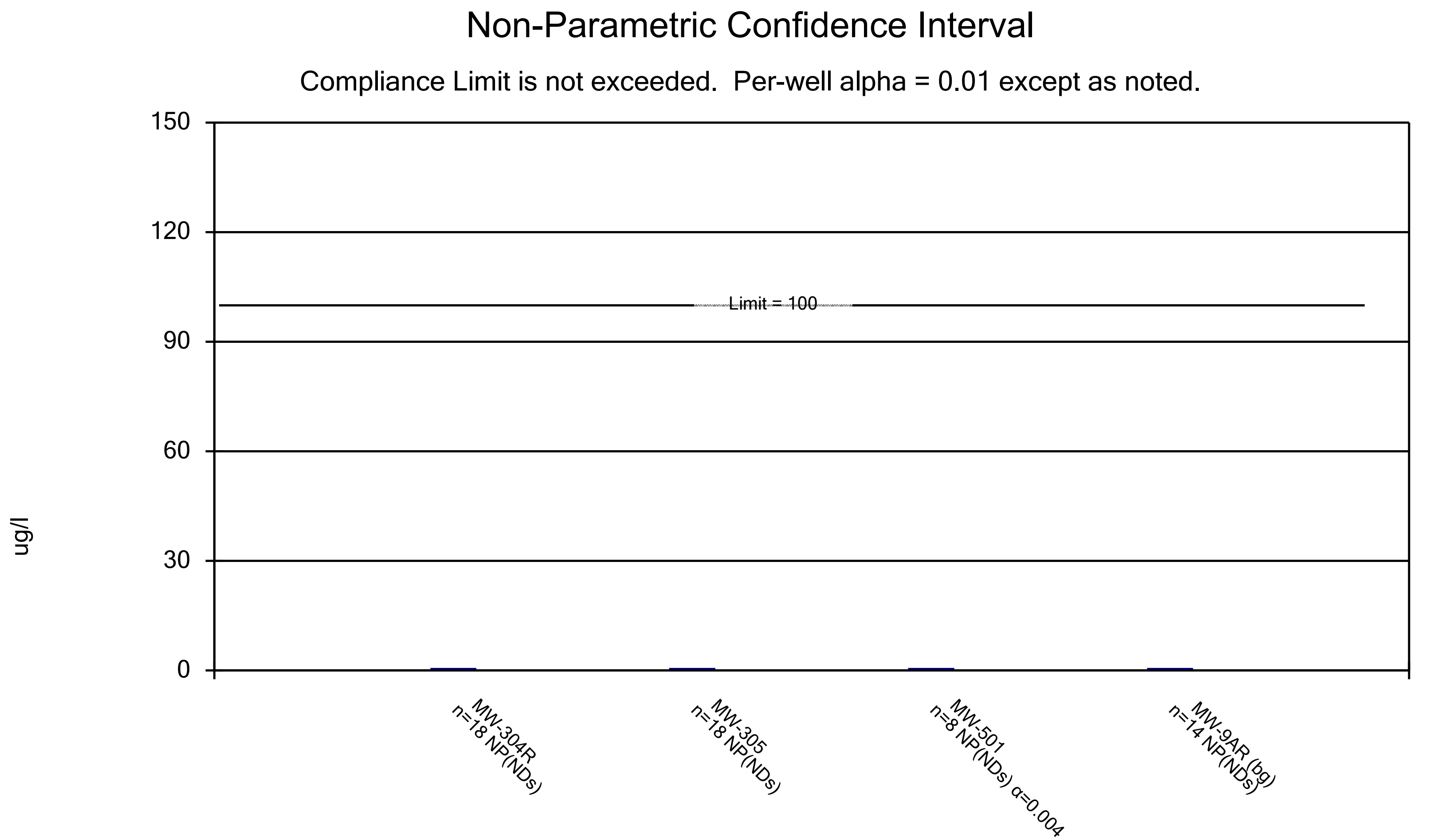
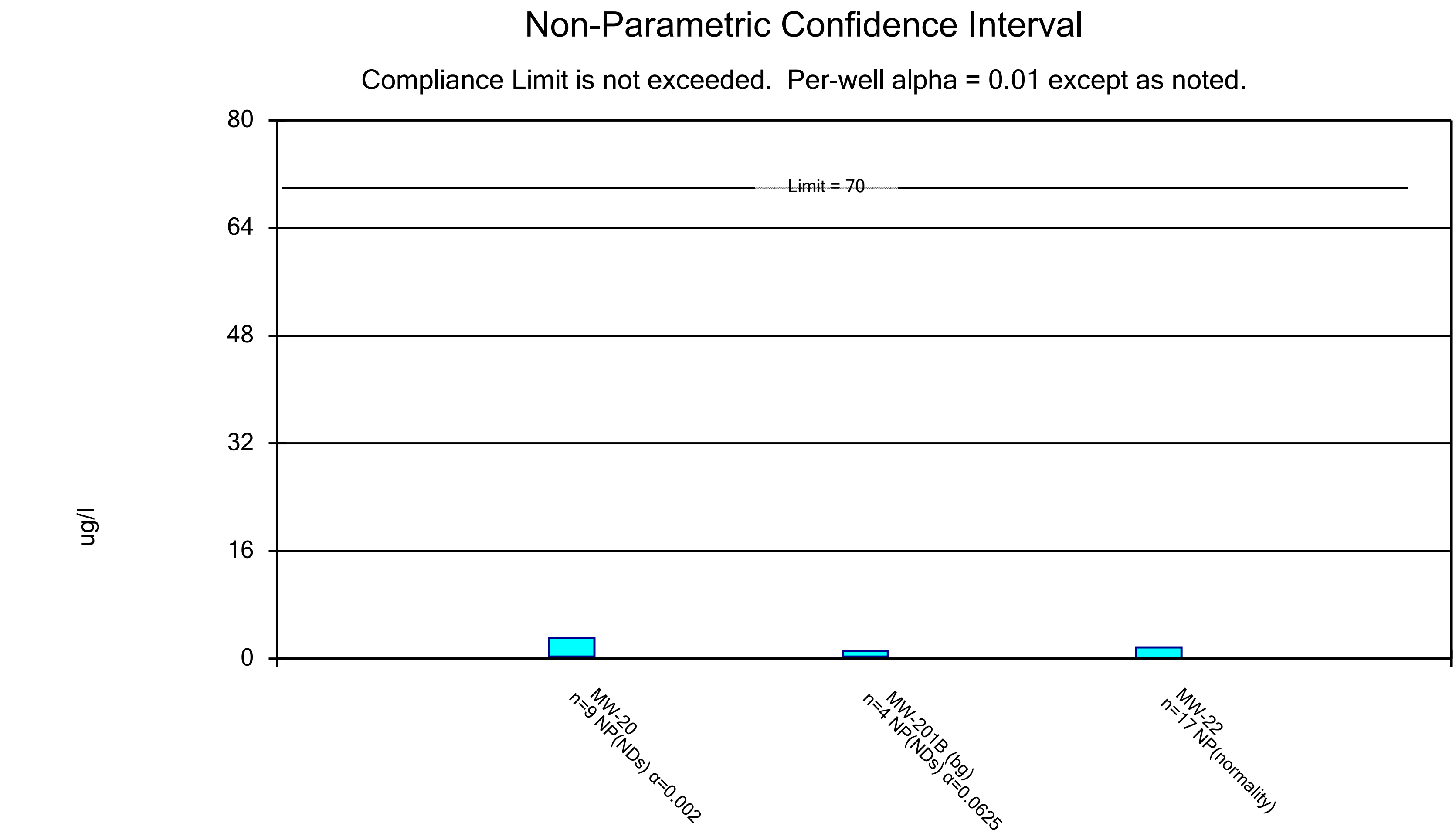


Constituent: Chlorobenzene Analysis Run 11/20/2023 4:27 PM View: App I VOCs_detected

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database



Constituent: Silvex [2,4,5-TP] Analysis Run 11/20/2023 4:27 PM View: App I VOCs_detected

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Confidence Interval

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/20/2023, 4:28 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
1,4-Dichlorobenzene (u...	MW-15	0.23	0.2	75	No	19	0.2595	0.1799	100	None	No	0.01	NP (NDs)
1,4-Dichlorobenzene (u...	MW-18	0.23	0.2	75	No	18	0.2628	0.1845	100	None	No	0.01	NP (NDs)
1,4-Dichlorobenzene (u...	MW-19	4.406	2.058	75	No	18	3.236	1.991	16.67	Kaplan-Meier	No	0.01	Param.
1,4-Dichlorobenzene (u...	MW-20	0.73	0.2	75	No	18	0.4228	0.2573	55.56	None	No	0.01	NP (normality)
1,4-Dichlorobenzene (u...	MW-201B (bg)	0.23	0.2	75	No	18	0.2628	0.1845	100	None	No	0.01	NP (NDs)
1,4-Dichlorobenzene (u...	MW-22	0.23	0.2	75	No	18	0.2628	0.1845	100	None	No	0.01	NP (NDs)
1,4-Dichlorobenzene (u...	MW-24	0.23	0.2	75	No	18	0.2183	0.01505	100	None	No	0.01	NP (NDs)
1,4-Dichlorobenzene (u...	MW-26A	0.23	0.2	75	No	14	0.2214	0.01406	100	None	No	0.01	NP (NDs)
1,4-Dichlorobenzene (u...	MW-300	0.978	0.21	75	No	18	0.8361	1.099	44.44	None	No	0.01	NP (normality)
1,4-Dichlorobenzene (u...	MW-301	0.291	0.2	75	No	18	0.2678	0.184	94.44	None	No	0.01	NP (NDs)
1,4-Dichlorobenzene (u...	MW-302R	0.23	0.2	75	No	19	0.2595	0.1799	100	None	No	0.01	NP (NDs)
1,4-Dichlorobenzene (u...	MW-303	0.23	0.2	75	No	19	0.2205	0.01433	100	None	No	0.01	NP (NDs)
1,4-Dichlorobenzene (u...	MW-304R	0.23	0.2	75	No	18	0.22	0.01455	100	None	No	0.01	NP (NDs)
1,4-Dichlorobenzene (u...	MW-305	0.23	0.2	75	No	18	0.2183	0.01505	100	None	No	0.01	NP (NDs)
1,4-Dichlorobenzene (u...	MW-501	0.23	0.23	75	No	8	0.23	0	100	None	No	0.004	NP (NDs)
1,4-Dichlorobenzene (u...	MW-9AR (bg)	0.23	0.23	75	No	14	0.23	0	100	None	No	0.01	NP (NDs)
Benzene (ug/l)	MW-15	0.301	0.11	5	No	19	0.2509	0.1515	78.95	None	No	0.01	NP (NDs)
Benzene (ug/l)	MW-18	0.22	0.11	5	No	18	0.199	0.0916	94.44	None	No	0.01	NP (NDs)
Benzene (ug/l)	MW-19	1.3	0.4462	5	No	18	0.961	0.774	5.556	None	sqrt(x)	0.01	Param.
Benzene (ug/l)	MW-20	5.977	4.562	5	No	18	5.269	1.17	0	None	No	0.01	Param.
Benzene (ug/l)	MW-201B (bg)	0.22	0.11	5	No	18	0.1989	0.09171	100	None	No	0.01	NP (NDs)
Benzene (ug/l)	MW-22	1.332	1.147	5	No	18	1.239	0.1528	0	None	No	0.01	Param.
Benzene (ug/l)	MW-24	0.223	0.11	5	No	18	0.2032	0.1067	88.89	None	No	0.01	NP (NDs)
Benzene (ug/l)	MW-26A	0.22	0.11	5	No	14	0.1886	0.05157	100	None	No	0.01	NP (NDs)
Benzene (ug/l)	MW-300	0.8313	0.2952	5	No	18	0.6797	0.515	16.67	Kaplan-Meier	sqrt(x)	0.01	Param.
Benzene (ug/l)	MW-301	0.286	0.202	5	No	18	0.2138	0.08771	88.89	Kaplan-Meier	No	0.01	NP (NDs)
Benzene (ug/l)	MW-302R	0.22	0.11	5	No	19	0.1942	0.09143	100	Kaplan-Meier	No	0.01	NP (NDs)
Benzene (ug/l)	MW-303	0.22	0.11	5	No	19	0.1897	0.05889	94.74	Kaplan-Meier	No	0.01	NP (NDs)
Benzene (ug/l)	MW-304R	0.22	0.11	5	No	18	0.1833	0.05336	100	None	No	0.01	NP (NDs)
Benzene (ug/l)	MW-305	0.22	0.11	5	No	18	0.1772	0.05518	100	None	No	0.01	NP (NDs)
Benzene (ug/l)	MW-501	0.22	0.22	5	No	8	0.22	0	100	None	No	0.004	NP (NDs)
Benzene (ug/l)	MW-9AR (bg)	0.22	0.22	5	No	14	0.22	0	100	None	No	0.01	NP (NDs)
Chlorobenzene (ug/l)	MW-15	0.4	0.19	100	No	19	0.3542	0.1869	100	None	No	0.01	NP (NDs)
Chlorobenzene (ug/l)	MW-18	0.4	0.19	100	No	18	0.3633	0.1879	100	None	No	0.01	NP (NDs)
Chlorobenzene (ug/l)	MW-19	5.763	2.956	100	No	18	4.359	2.32	5.556	None	No	0.01	Param.
Chlorobenzene (ug/l)	MW-20	8.311	6.12	100	No	18	7.216	1.811	0	None	No	0.01	Param.
Chlorobenzene (ug/l)	MW-201B (bg)	0.4	0.19	100	No	18	0.3633	0.1879	100	None	No	0.01	NP (NDs)
Chlorobenzene (ug/l)	MW-22	0.7371	0.4243	100	No	18	0.6157	0.2197	27.78	Kaplan-Meier	No	0.01	Param.
Chlorobenzene (ug/l)	MW-24	0.4	0.19	100	No	18	0.3183	0.1053	100	None	No	0.01	NP (NDs)
Chlorobenzene (ug/l)	MW-26A	0.4	0.19	100	No	14	0.34	0.09845	100	None	No	0.01	NP (NDs)
Chlorobenzene (ug/l)	MW-300	1.289	0.3286	100	No	18	1.28	1.251	44.44	Kaplan-Meier	ln(x)	0.01	Param.
Chlorobenzene (ug/l)	MW-301	0.7484	0.3413	100	No	18	0.5984	0.2988	33.33	Kaplan-Meier	No	0.01	Param.
Chlorobenzene (ug/l)	MW-302R	0.4	0.19	100	No	19	0.3542	0.1869	100	Kaplan-Meier	No	0.01	NP (NDs)
Chlorobenzene (ug/l)	MW-303	0.4	0.19	100	No	19	0.3337	0.1003	100	Kaplan-Meier	No	0.01	NP (NDs)
Chlorobenzene (ug/l)	MW-304R	0.4	0.19	100	No	18	0.33	0.1019	100	None	No	0.01	NP (NDs)
Chlorobenzene (ug/l)	MW-305	0.4	0.19	100	No	18	0.3183	0.1053	100	None	No	0.01	NP (NDs)
Chlorobenzene (ug/l)	MW-501	0.4	0.4	100	No	8	0.4	0	100	None	No	0.004	NP (NDs)
Chlorobenzene (ug/l)	MW-9AR (bg)	0.4	0.4	100	No	14	0.4	0	100	None	No	0.01	NP (NDs)
Silvex [2,4,5-TP] (ug/l)	MW-20	3.09	0.296	70	No	9	1.422	1.257	100	None	No	0.002	NP (NDs)
Silvex [2,4,5-TP] (ug/l)	MW-201B (bg)	1.11	0.297	70	No	4	0.5105	0.4	100	None	No	0.0625	NP (NDs)

Confidence Interval

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/20/2023, 4:28 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Silvex [2,4,5-TP] (ug/l)	MW-22	1.68	0.145	70	No	17	0.685	0.7348	58.82	None	No	0.01	NP (normality)

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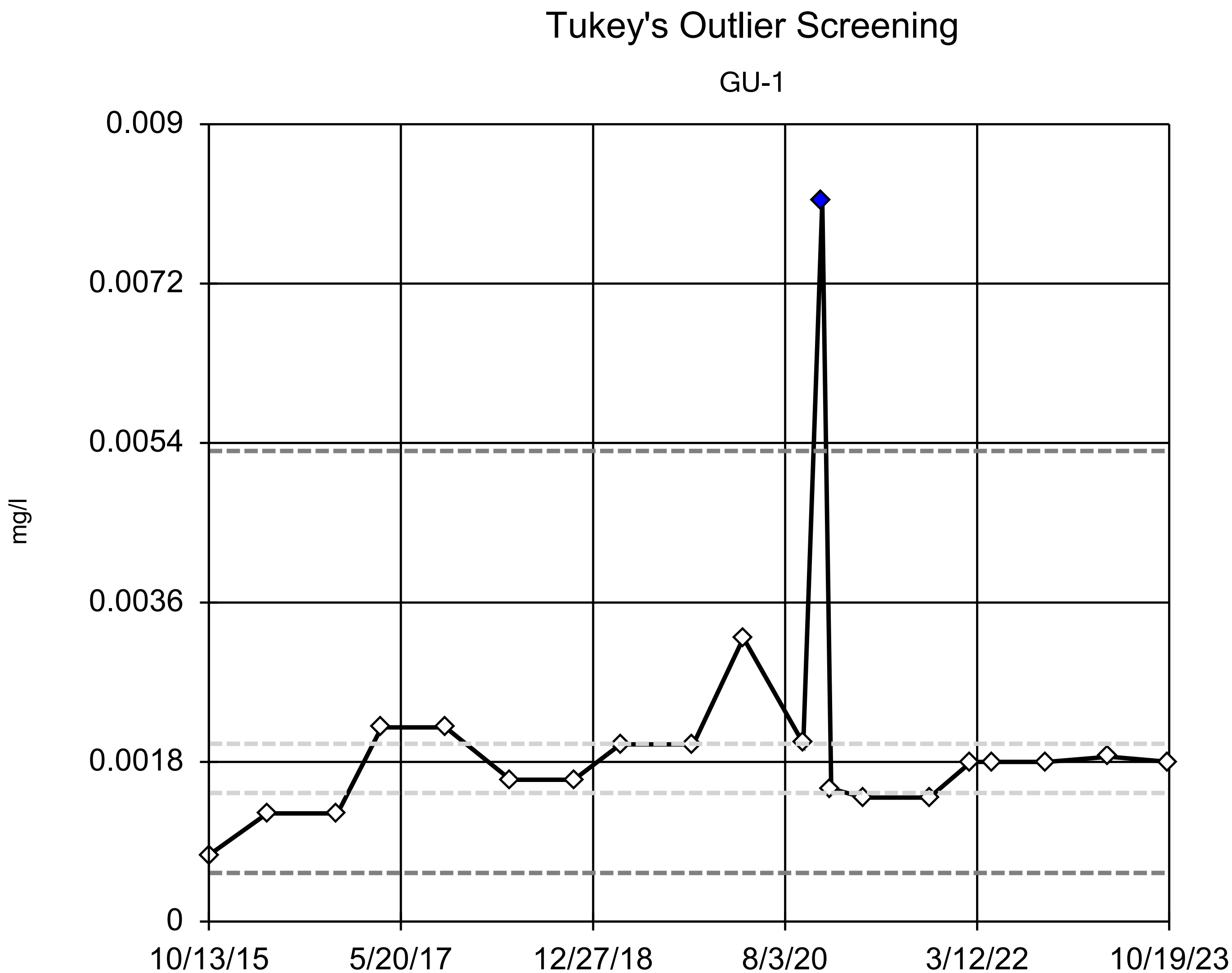


n = 20

Outlier is drawn as solid. Tukey's method selected by user.

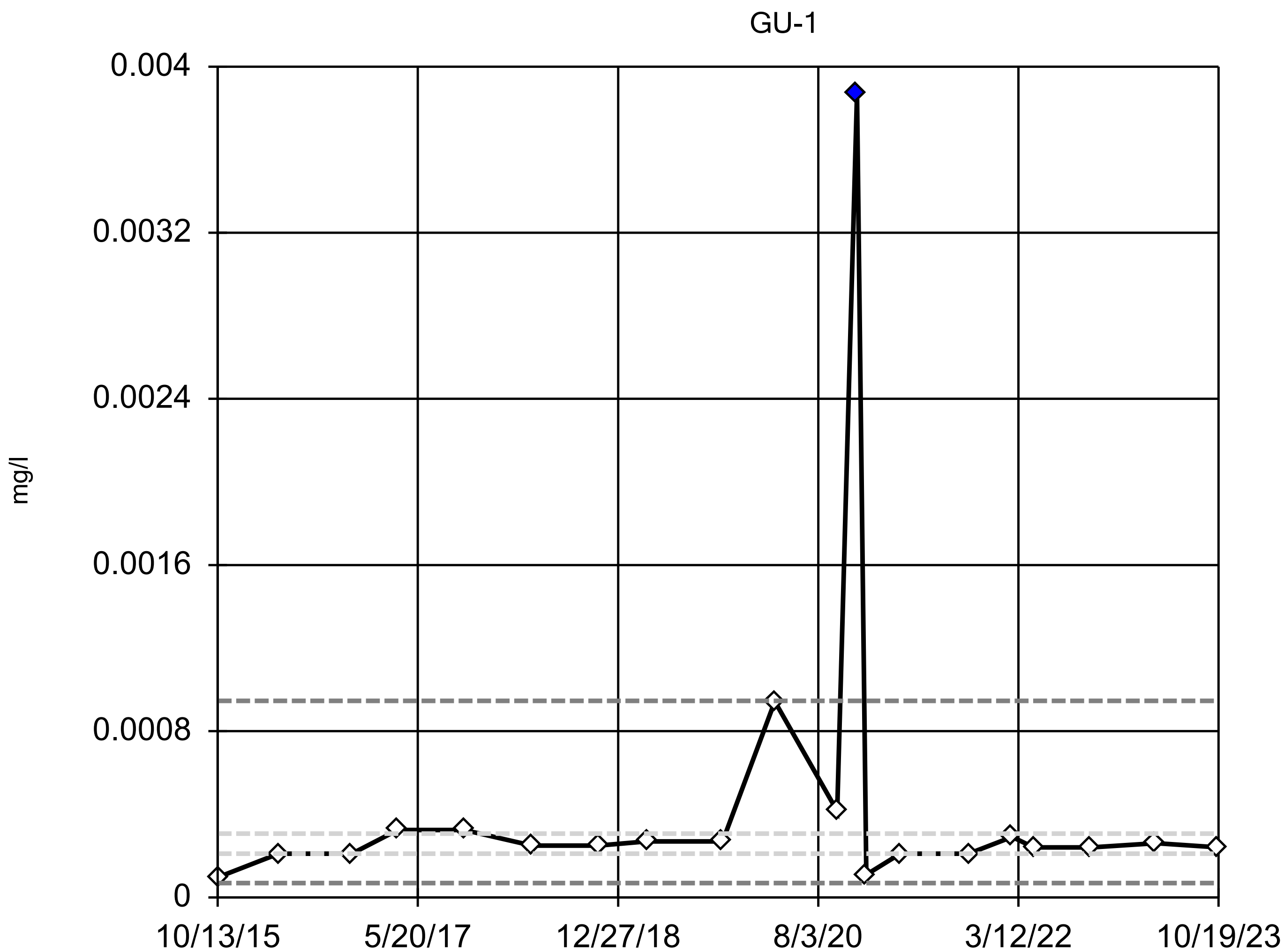
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.00531, low cutoff = 0.0005471, based on IQR multiplier of 3.

Constituent: Copper   Analysis Run 11/20/2023 4:34 PM   View: GU_App I Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Tukey's Outlier Screening



n = 20

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.0009463, low cutoff = 0.00006847, based on IQR multiplier of 3.

Constituent: Lead   Analysis Run 11/20/2023 4:34 PM   View: GU_App I Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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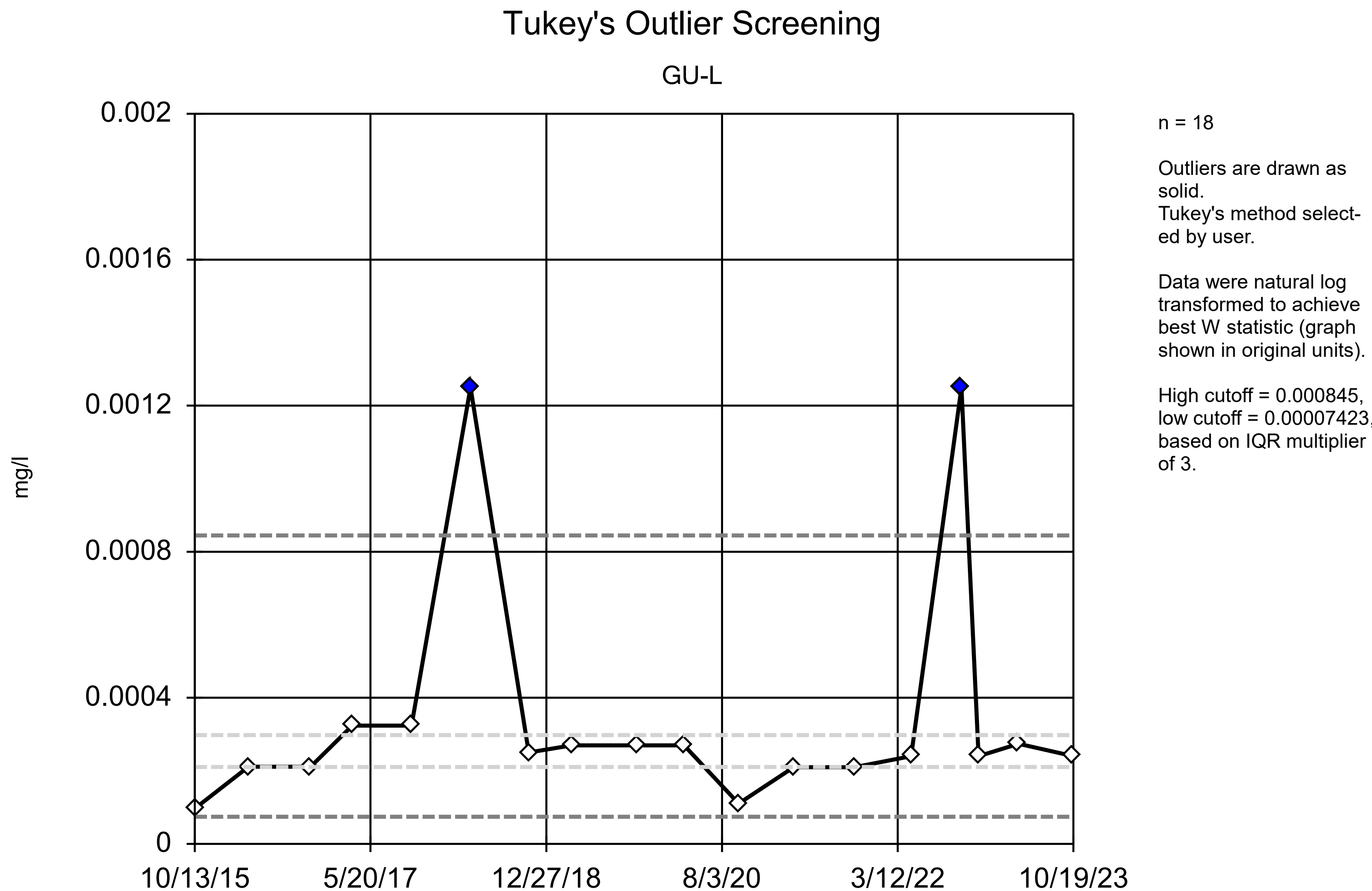

Constituent: Lead   Analysis Run 11/20/2023 4:34 PM   View: GU_App I Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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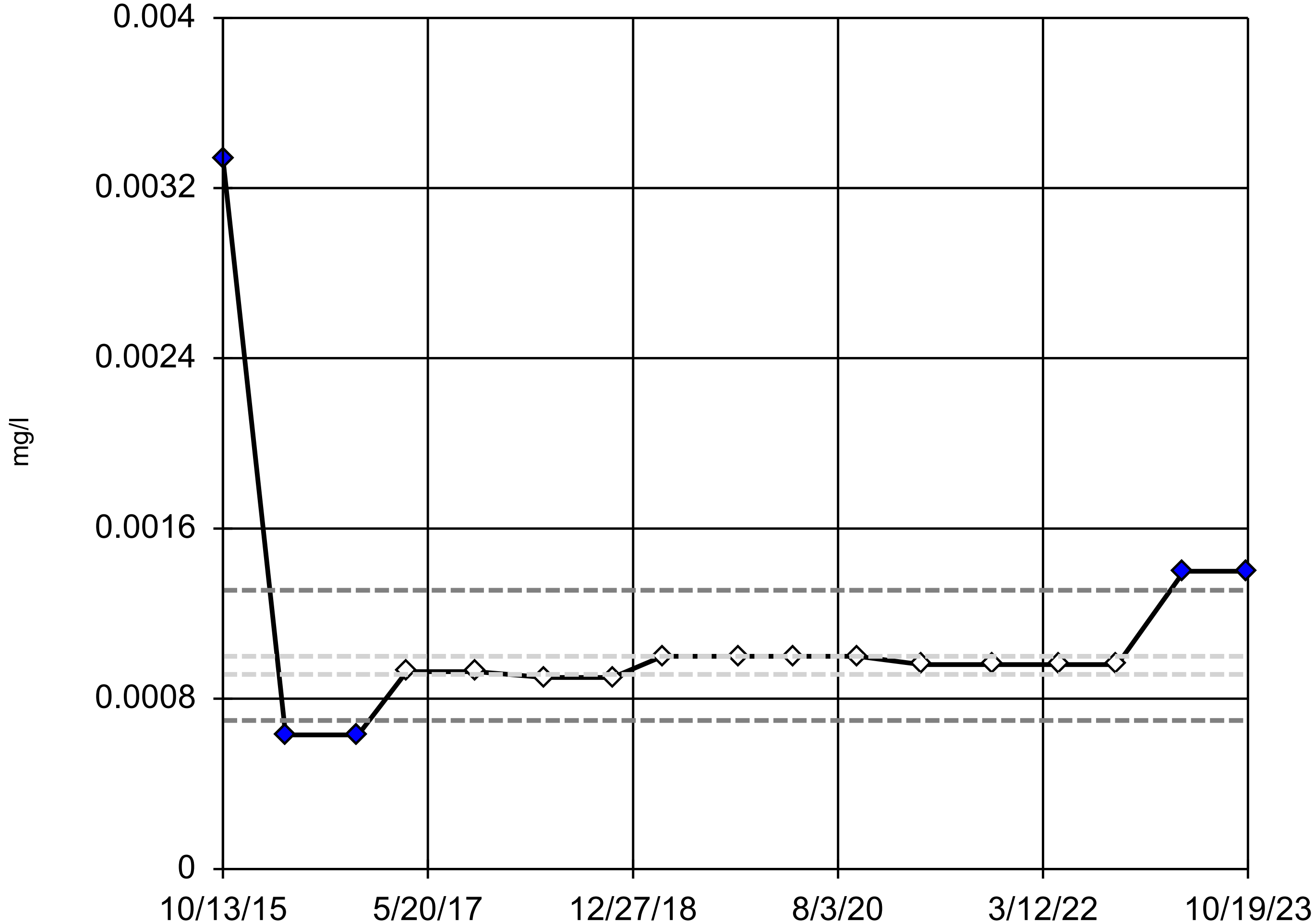
Tukey's Outlier Screening

GU-L



n = 17

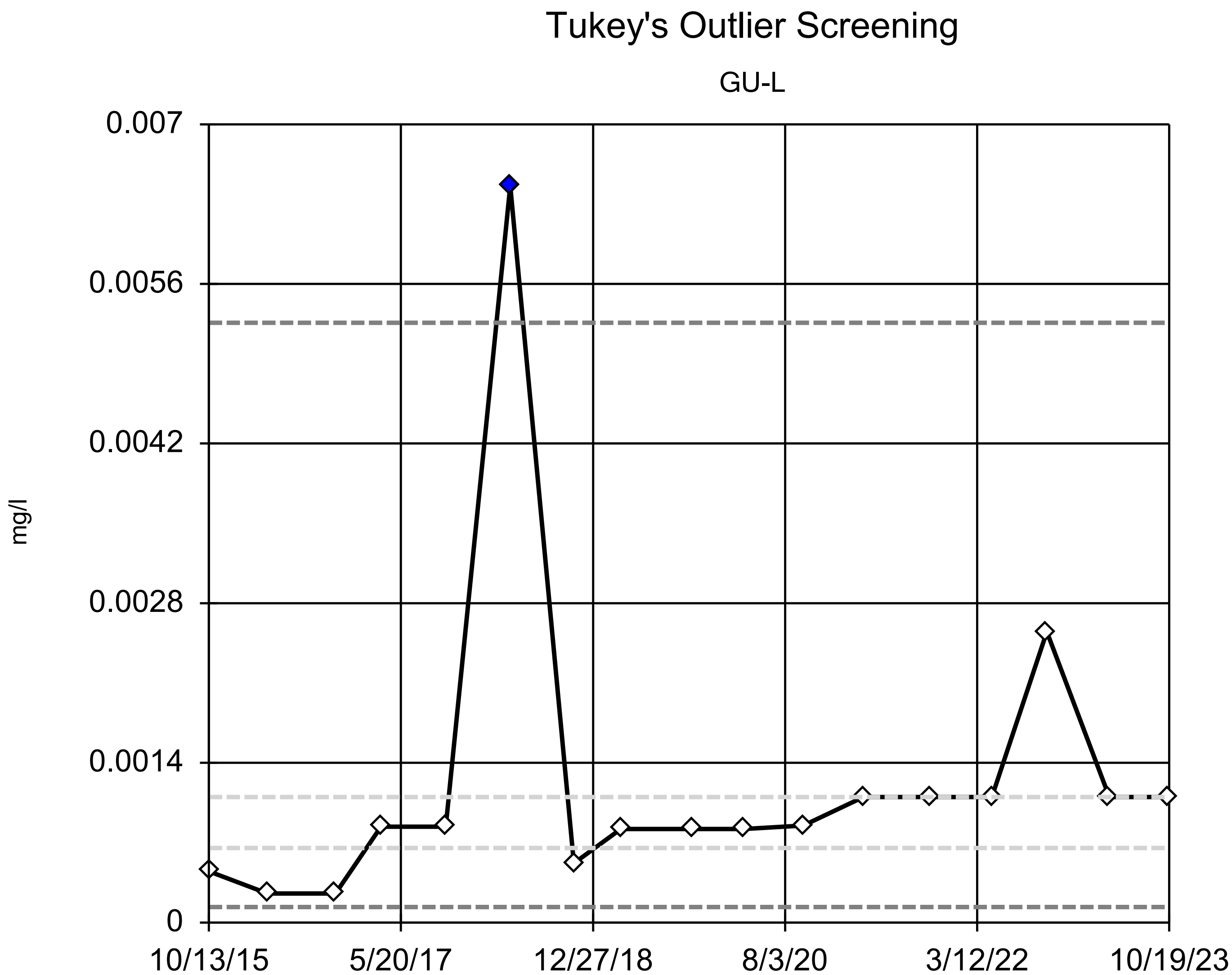
Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.00131, low cutoff = 0.0006976, based on IQR multiplier of 3.

Constituent: Selenium   Analysis Run 11/20/2023 4:34 PM   View: GU_App I Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database



n = 17

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.005258, low cutoff = 0.0001366, based on IQR multiplier of 3.

Constituent: Vanadium Analysis Run 11/20/2023 4:34 PM View: GU_App I Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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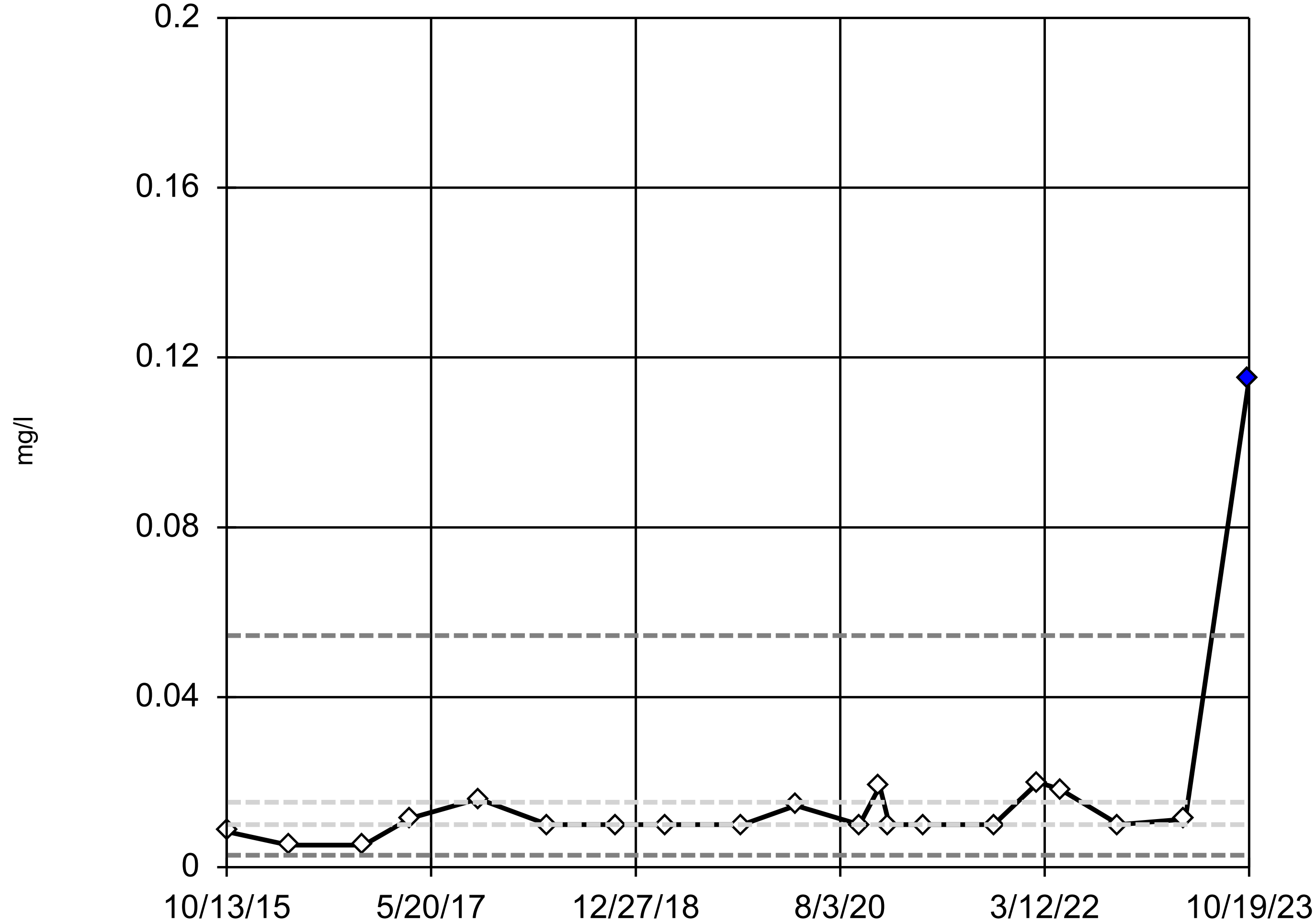
Tukey's Outlier Screening

GU-1



n = 20

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.0545, low cutoff = 0.002804, based on IQR multiplier of 3.

Constituent: Zinc   Analysis Run 11/20/2023 4:34 PM   View: GU_App I Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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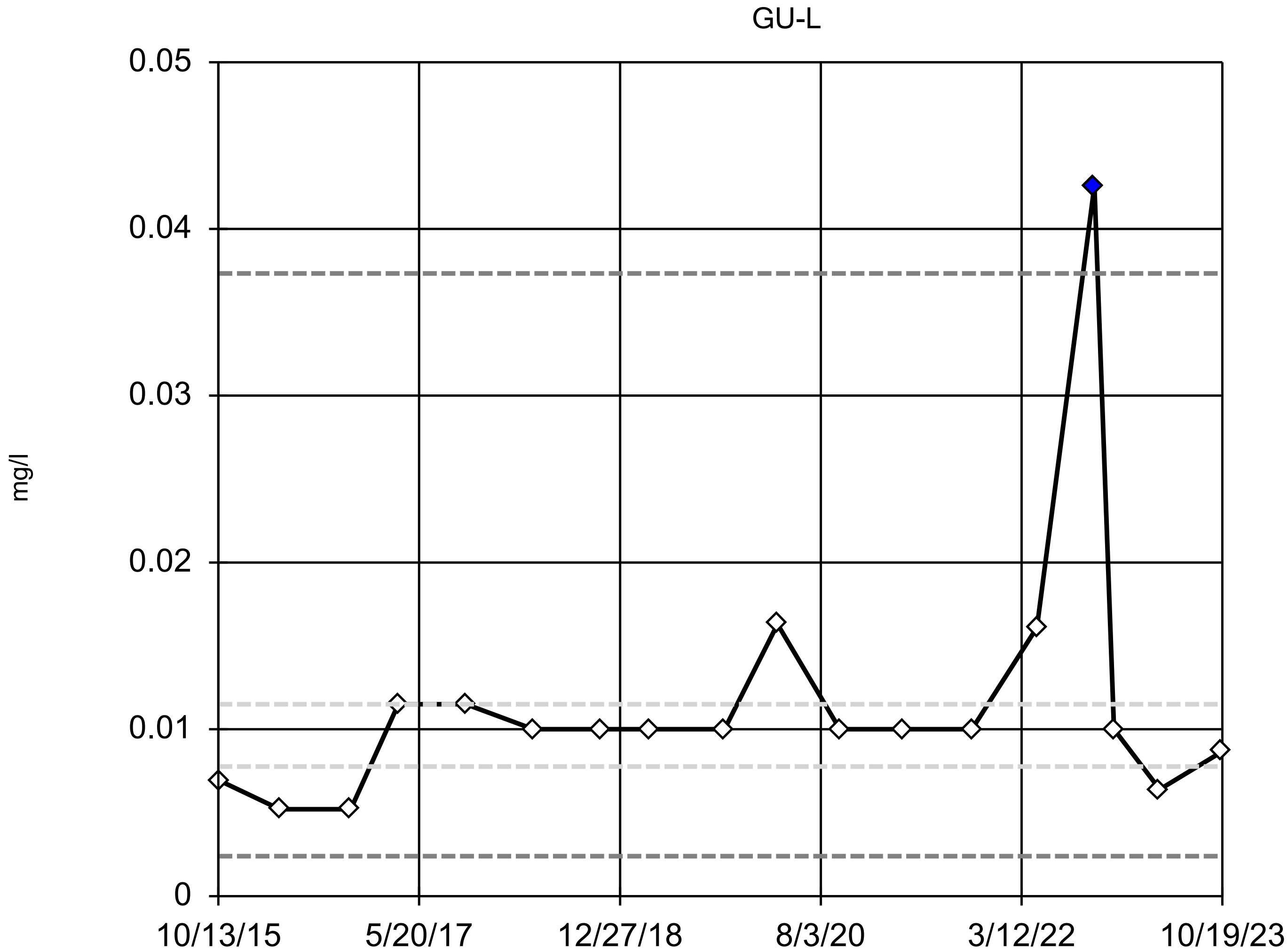
Tukey's Outlier Screening



n = 18

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.03733, low cutoff = 0.002393, based on IQR multiplier of 3.

Constituent: Zinc   Analysis Run 11/20/2023 4:34 PM   View: GU_App I Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Outlier Analysis

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/20/2023, 4:35 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/l)	GU-1	No	n/a	n/a	NP	NaN	20	0.000...	0.0003008	sqrt(x)	ShapiroWilk
Antimony (mg/l)	GU-L	No	n/a	n/a	NP	NaN	17	0.000...	0.0003218	x^(1/3)	ShapiroWilk
Antimony (mg/l)	GU-O	n/a	n/a	n/a	NP	NaN	8	0.000785	0.0002271	unknown	ShapiroWilk
Antimony (mg/l)	GU-P	n/a	n/a	n/a	NP	NaN	6	0.000...	0.0001601	unknown	ShapiroWilk
Arsenic (mg/l)	GU-1	No	n/a	n/a	NP	NaN	21	0.0139	0.0183	ln(x)	ShapiroWilk
Arsenic (mg/l)	GU-L	No	n/a	n/a	NP	NaN	19	0.00306	0.005875	ln(x)	ShapiroWilk
Arsenic (mg/l)	GU-O	No	n/a	n/a	NP	NaN	8	0.002871	0.0007477	ln(x)	ShapiroWilk
Arsenic (mg/l)	GU-P	No	n/a	n/a	NP	NaN	6	0.002432	0.0005323	x^(1/3)	ShapiroWilk
Barium (mg/l)	GU-1	No	n/a	n/a	NP	NaN	21	0.7102	0.3103	ln(x)	ShapiroWilk
Barium (mg/l)	GU-L	No	n/a	n/a	NP	NaN	17	0.04673	0.02322	ln(x)	ShapiroWilk
Barium (mg/l)	GU-O	No	n/a	n/a	NP	NaN	8	0.3111	0.06337	x^5	ShapiroWilk
Barium (mg/l)	GU-P	No	n/a	n/a	NP	NaN	6	0.2923	0.0144	x^6	ShapiroWilk
Beryllium (mg/l)	GU-1	No	n/a	n/a	NP	NaN	20	0.000...	0.0000...	x^2	ShapiroWilk
Beryllium (mg/l)	GU-L	No	n/a	n/a	NP	NaN	17	0.000...	0.00006	x^2	ShapiroWilk
Beryllium (mg/l)	GU-O	No	n/a	n/a	NP	NaN	8	0.000275	0.0000...	x^2	ShapiroWilk
Beryllium (mg/l)	GU-P	n/a	n/a	n/a	NP	NaN	6	0.00029	0.0000...	unknown	ShapiroWilk
Cadmium (mg/l)	GU-1	n/a	n/a	n/a	NP	NaN	20	0.000...	0.0000...	unknown	ShapiroWilk
Cadmium (mg/l)	GU-L	No	n/a	n/a	NP	NaN	17	0.000...	0.0000...	ln(x)	ShapiroWilk
Cadmium (mg/l)	GU-O	No	n/a	n/a	NP	NaN	8	0.000...	0.0000...	ln(x)	ShapiroWilk
Cadmium (mg/l)	GU-P	n/a	n/a	n/a	NP	NaN	6	0.000...	0.0000...	unknown	ShapiroWilk
Chromium (mg/l)	GU-1	No	n/a	n/a	NP	NaN	20	0.001083	0.000368	sqrt(x)	ShapiroWilk
Chromium (mg/l)	GU-L	No	n/a	n/a	NP	NaN	17	0.001048	0.0005007	x^(1/3)	ShapiroWilk
Chromium (mg/l)	GU-O	n/a	n/a	n/a	NP	NaN	8	0.001057	0.0001202	unknown	ShapiroWilk
Chromium (mg/l)	GU-P	No	n/a	n/a	NP	NaN	6	0.001112	0.0000...	x^2	ShapiroWilk
Cobalt (mg/l)	GU-1	No	n/a	n/a	NP	NaN	21	0.00454	0.004419	ln(x)	ShapiroWilk
Cobalt (mg/l)	GU-L	No	n/a	n/a	NP	NaN	18	0.00325	0.00378	x^(1/3)	ShapiroWilk
Cobalt (mg/l)	GU-O	No	n/a	n/a	NP	NaN	8	0.000...	0.0003332	x^(1/3)	ShapiroWilk
Cobalt (mg/l)	GU-P	No	n/a	n/a	NP	NaN	6	0.000989	0.0002848	ln(x)	ShapiroWilk
Copper (mg/l)	**GU-1**	**Yes**	**0.00813**	**11/25/2020**	**NP**	**NaN**	**20**	**0.002073**	**0.001508**	**ln(x)**	**ShapiroWilk**
Copper (mg/l)	GU-L	n/a	n/a	n/a	NP	NaN	17	0.001852	0.0006506	unknown	ShapiroWilk
Copper (mg/l)	GU-O	n/a	n/a	n/a	NP	NaN	8	0.00173	0.0001523	unknown	ShapiroWilk
Copper (mg/l)	GU-P	n/a	n/a	n/a	NP	NaN	6	0.0018	0	unknown	ShapiroWilk
Lead (mg/l)	**GU-1**	**Yes**	**0.00387**	**11/25/2020**	**NP**	**NaN**	**20**	**0.000...**	**0.0008201**	**ln(x)**	**ShapiroWilk**
Lead (mg/l)	**GU-L**	**Yes**	**0.00125...**	**4/19/2018,10...**	**NP**	**NaN**	**18**	**0.000...**	**0.0003336**	**ln(x)**	**ShapiroWilk**
Lead (mg/l)	GU-O	n/a	n/a	n/a	NP	NaN	8	0.000...	0.0000...	unknown	ShapiroWilk
Lead (mg/l)	GU-P	No	n/a	n/a	NP	NaN	6	0.000...	0.0001168	ln(x)	ShapiroWilk
Nickel (mg/l)	GU-1	No	n/a	n/a	NP	NaN	21	0.04835	0.008354	x^2	ShapiroWilk
Nickel (mg/l)	GU-L	No	n/a	n/a	NP	NaN	18	0.004128	0.002678	ln(x)	ShapiroWilk
Nickel (mg/l)	GU-O	n/a	n/a	n/a	NP	NaN	8	0.001788	0.0003182	unknown	ShapiroWilk
Nickel (mg/l)	GU-P	No	n/a	n/a	NP	NaN	6	0.001915	0.0000...	x^3	ShapiroWilk
Selenium (mg/l)	GU-1	n/a	n/a	n/a	NP	NaN	20	0.001195	0.000691	unknown	ShapiroWilk
Selenium (mg/l)	**GU-L**	**Yes**	**0.00334...**	**10/13/2015,4...**	**NP**	**NaN**	**17**	**0.001112**	**0.000607**	**ln(x)**	**ShapiroWilk**
Selenium (mg/l)	GU-O	No	n/a	n/a	NP	NaN	8	0.001062	0.0002093	ln(x)	ShapiroWilk
Selenium (mg/l)	GU-P	No	n/a	n/a	NP	NaN	6	0.001227	0.0004717	ln(x)	ShapiroWilk
Silver (mg/l)	GU-1	No	n/a	n/a	NP	NaN	21	0.000...	0.0002626	ln(x)	ShapiroWilk
Silver (mg/l)	GU-L	No	n/a	n/a	NP	NaN	17	0.000...	0.0001492	x^2	ShapiroWilk
Silver (mg/l)	GU-O	n/a	n/a	n/a	NP	NaN	8	0.00046	0.0000...	unknown	ShapiroWilk
Silver (mg/l)	GU-P	n/a	n/a	n/a	NP	NaN	7	0.000...	0.0003389	unknown	ShapiroWilk
Thallium (mg/l)	GU-1	No	n/a	n/a	NP	NaN	21	0.000...	0.0004162	ln(x)	ShapiroWilk
Thallium (mg/l)	GU-L	n/a	n/a	n/a	NP	NaN	17	0.000...	0.000101	unknown	ShapiroWilk

Outlier Analysis

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/20/2023, 4:35 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Thallium (mg/l)	GU-O	n/a	n/a	n/a	NP	NaN	8	0.000...	0.0000...	unknown	ShapiroWilk
Thallium (mg/l)	GU-P	n/a	n/a	n/a	NP	NaN	7	0.000...	0.0008429	unknown	ShapiroWilk
Vanadium (mg/l)	GU-1	No	n/a	n/a	NP	NaN	20	0.000...	0.0005441	ln(x)	ShapiroWilk
Vanadium (mg/l)	**GU-L**	**Yes**	**0.00646**	**4/19/2018**	**NP**	**NaN**	**17**	**0.001234**	**0.001439**	**ln(x)**	**ShapiroWilk**
Vanadium (mg/l)	GU-O	n/a	n/a	n/a	NP	NaN	8	0.001027	0.0002051	unknown	ShapiroWilk
Vanadium (mg/l)	GU-P	No	n/a	n/a	NP	NaN	6	0.001205	0.0002572	x^2	ShapiroWilk
Zinc (mg/l)	**GU-1**	**Yes**	**0.115**	**10/19/2023**	**NP**	**NaN**	**20**	**0.01672**	**0.02349**	**ln(x)**	**ShapiroWilk**
Zinc (mg/l)	**GU-L**	**Yes**	**0.0426**	**10/11/2022**	**NP**	**NaN**	**18**	**0.01169**	**0.00827**	**ln(x)**	**ShapiroWilk**
Zinc (mg/l)	GU-O	No	n/a	n/a	NP	NaN	8	0.0091	0.001666	x^(1/3)	ShapiroWilk
Zinc (mg/l)	GU-P	n/a	n/a	n/a	NP	NaN	6	0.0088	0.001859	unknown	ShapiroWilk

Flagged_Outliers

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/20/2023, 4:40 PM

	GU-L Arsenic (mg/l)	GU-L Cadmium (mg/l)	GU-1 Copper (mg/l)	GU-1 Lead (mg/l)	GU-L Lead (mg/l)	GU-1 Selenium (mg/l)	GU-L Selenium (mg/l)	GU-1 Silver (mg/l)	GU-P Silver (mg/l)	GU-1 Thallium (mg/l)
10/13/2015							<0.00334 (o)			
4/8/2016						0.0008 (Jo)				
4/19/2018		0.000398 (Jo)			0.00125 (o)					
11/25/2020			0.00813 (o)	0.00387 (o)						
10/11/2022	0.0264 (o)				0.00125 (o)					
4/19/2023								0.00141 (o)	0.00139 (o)	0.00198 (o)

	GU-P Thallium (mg/l)	GU-L Vanadium (mg/l)	GU-L Zinc (mg/l)
10/13/2015			
4/8/2016			
4/19/2018		0.00646 (o)	
11/25/2020			
10/11/2022		0.00255 (Jo)	0.0426 (o)
4/19/2023	0.00249 (o)		

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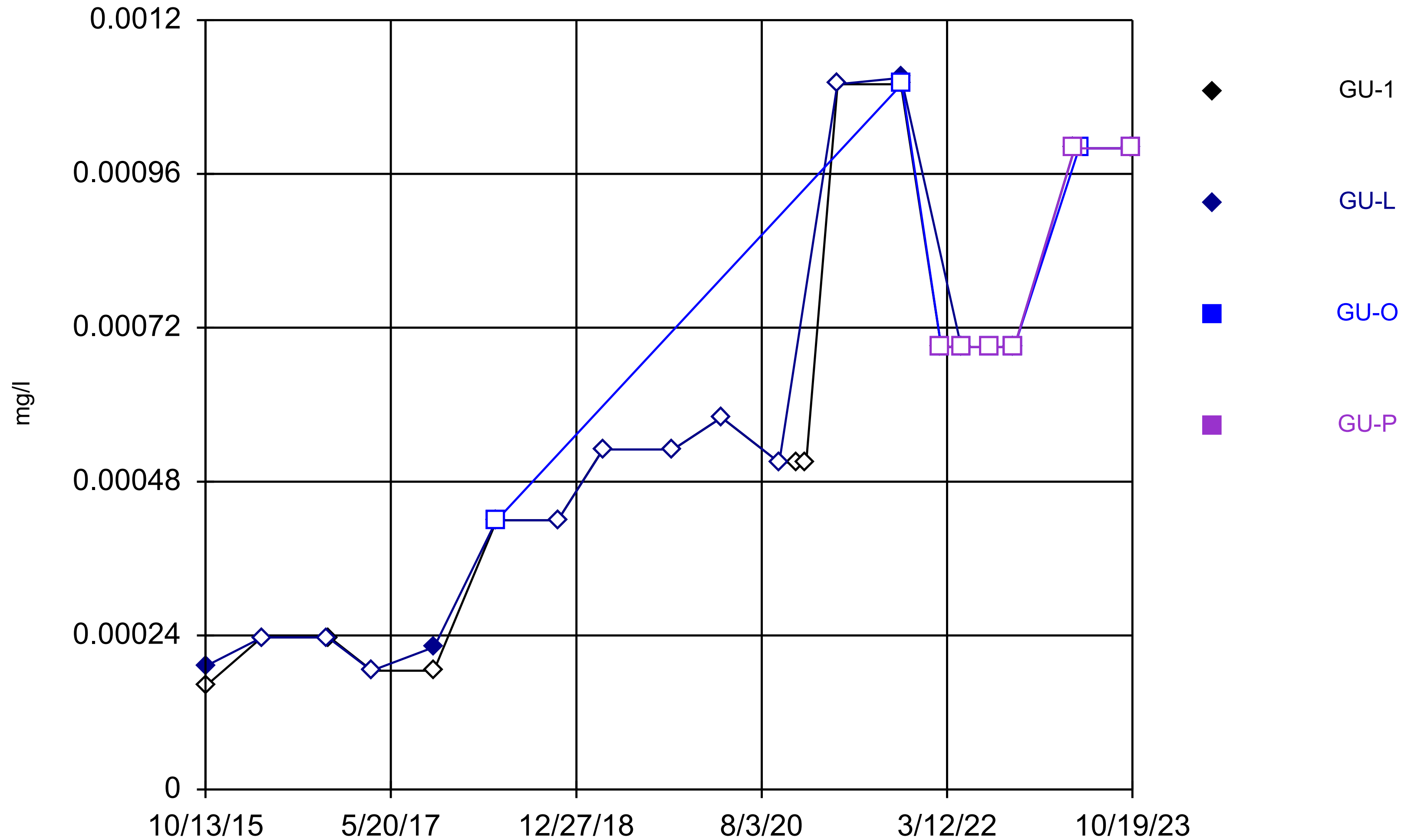
Hollow symbols indicate censored values.

Time Series



Constituent: Antimony   Analysis Run 11/20/2023 4:41 PM   View: GU_App I Metals
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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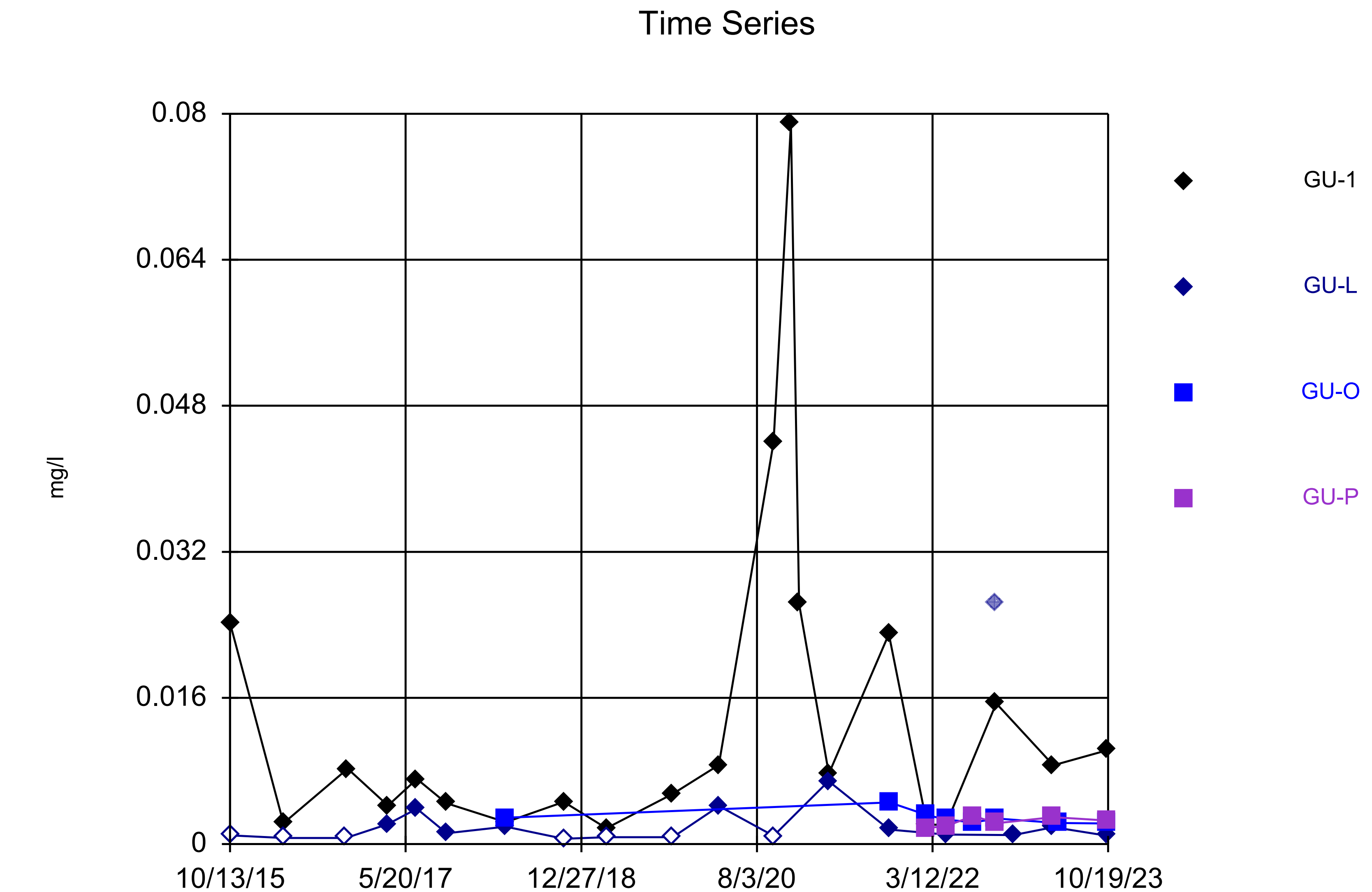

Constituent: Arsenic   Analysis Run 11/20/2023 4:41 PM   View: GU_App I Metals
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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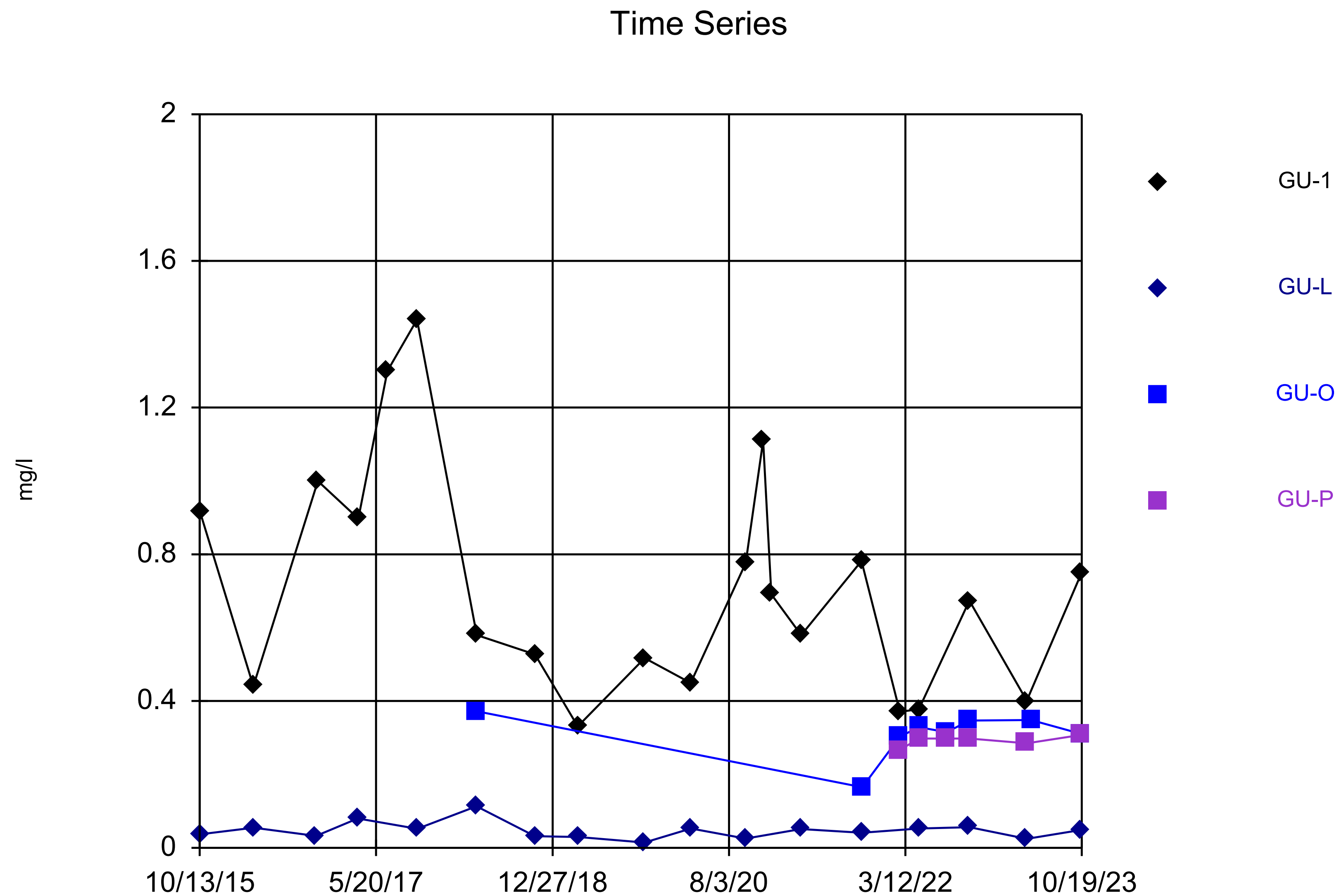

Constituent: Barium   Analysis Run 11/20/2023 4:42 PM   View: GU_App I Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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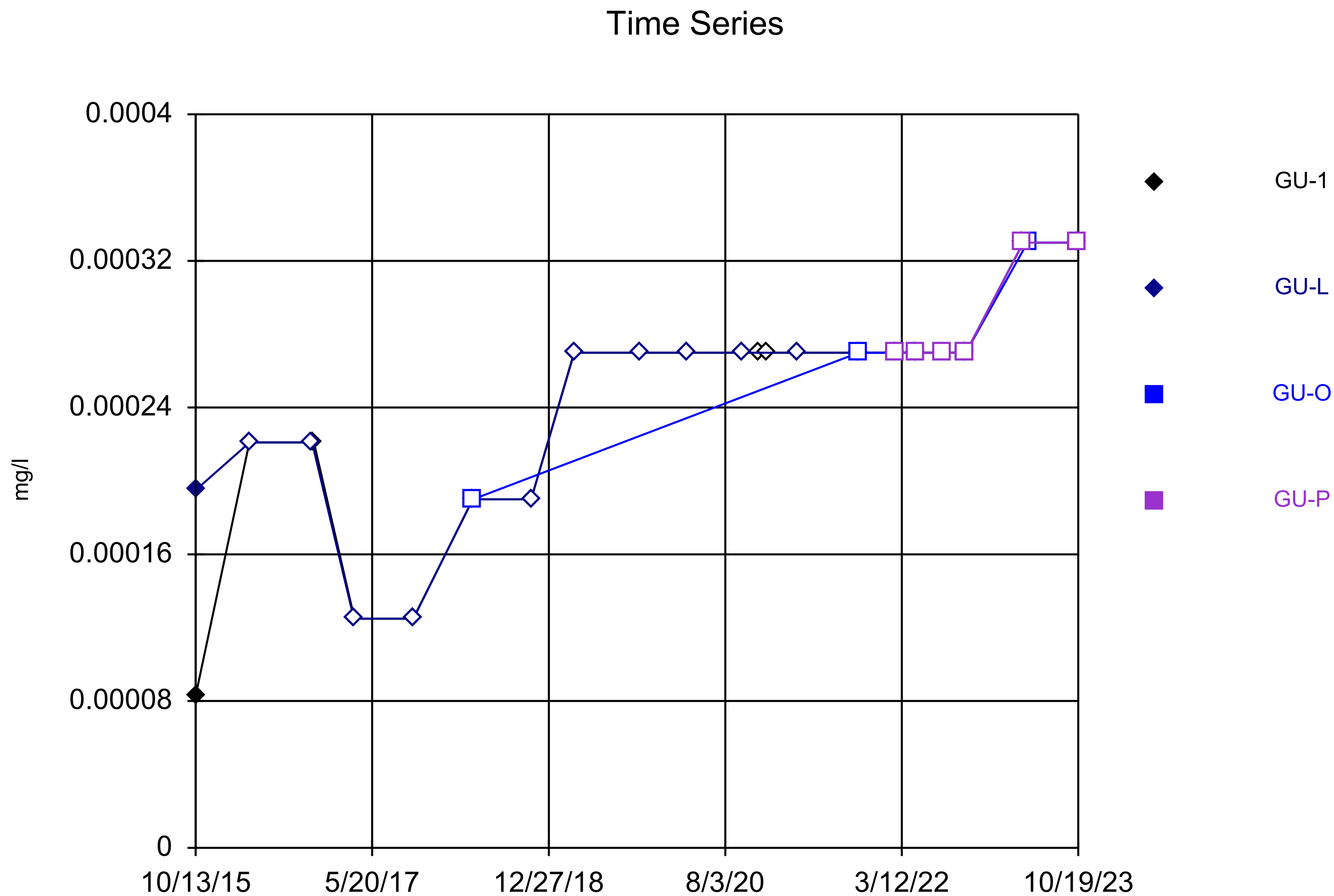
Hollow symbols indicate censored values.



Constituent: Beryllium Analysis Run 11/20/2023 4:42 PM View: GU_App I Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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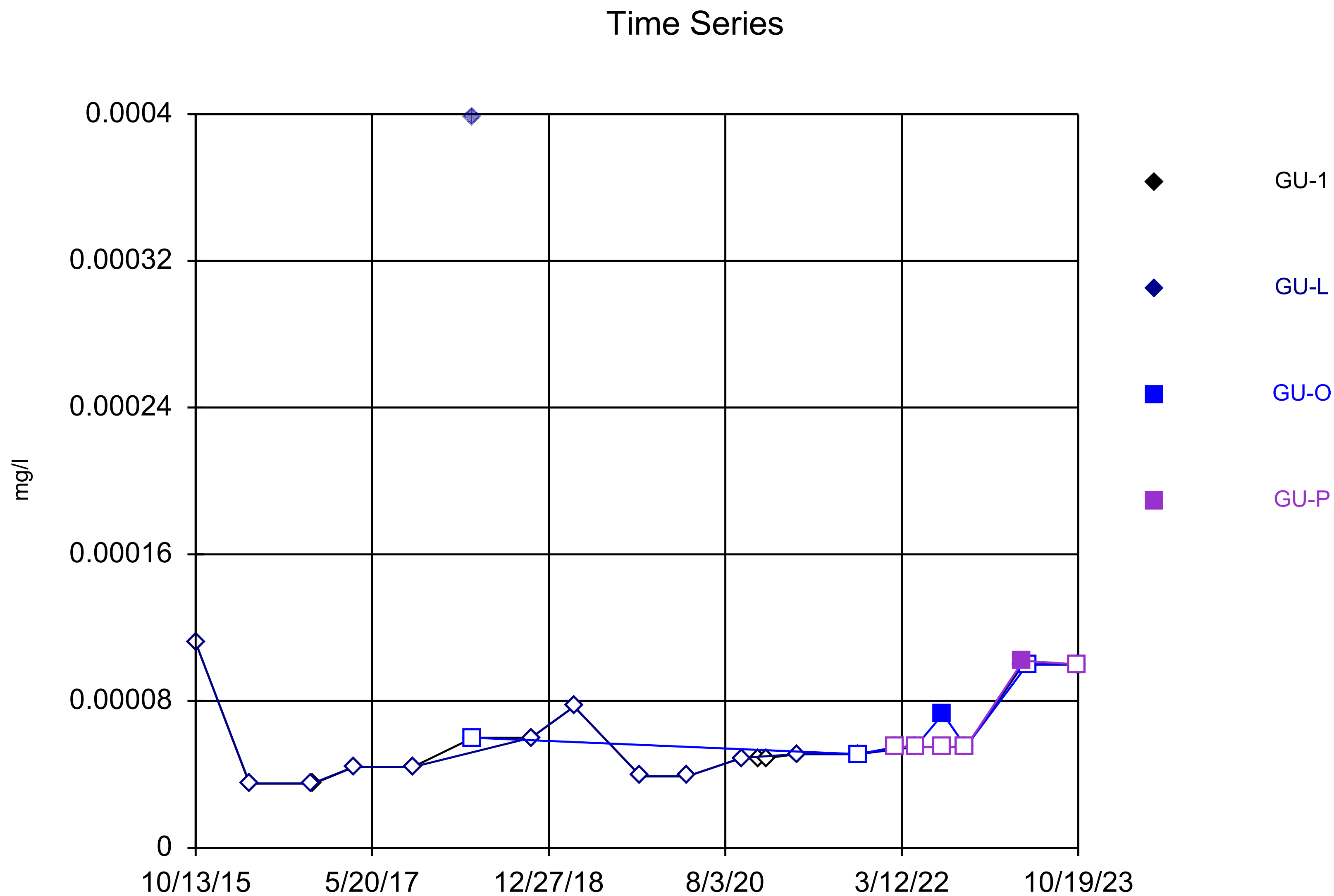
Hollow symbols indicate censored values.



Constituent: Cadmium   Analysis Run 11/20/2023 4:42 PM   View: GU_App I Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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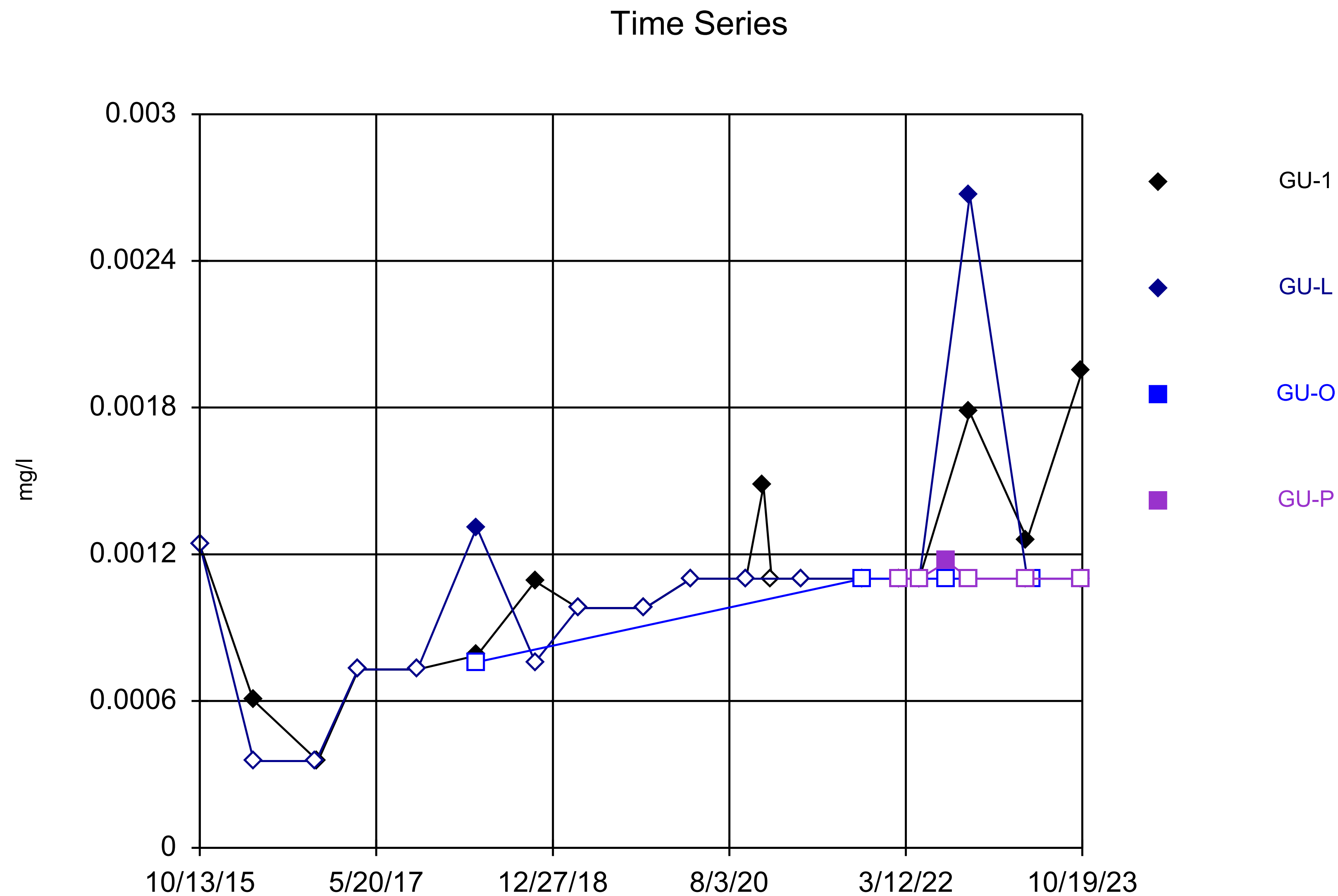
Hollow symbols indicate censored values.



Constituent: Chromium Analysis Run 11/20/2023 4:42 PM View: GU_App I Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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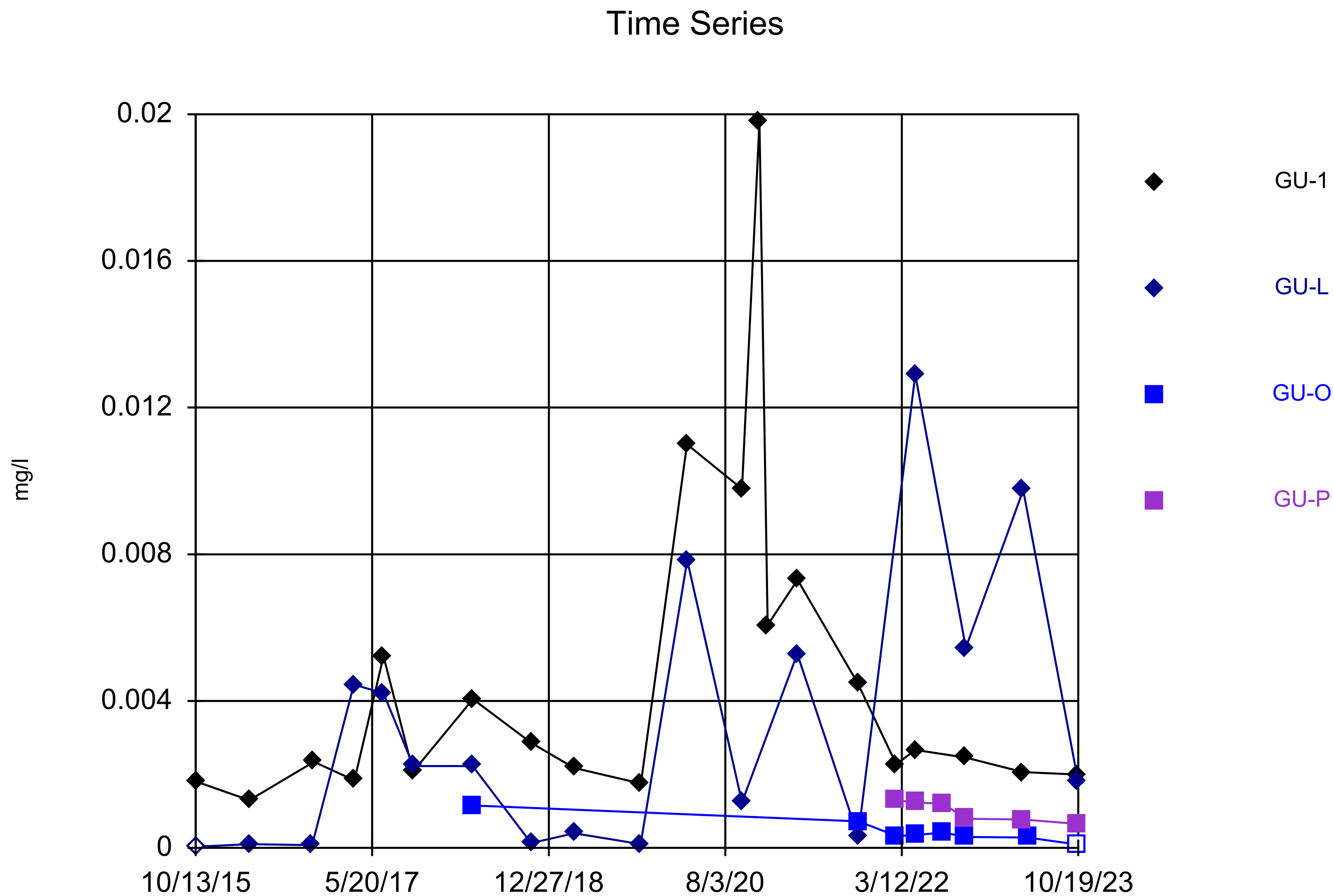
Hollow symbols indicate censored values.



Constituent: Cobalt Analysis Run 11/20/2023 4:42 PM View: GU_App I Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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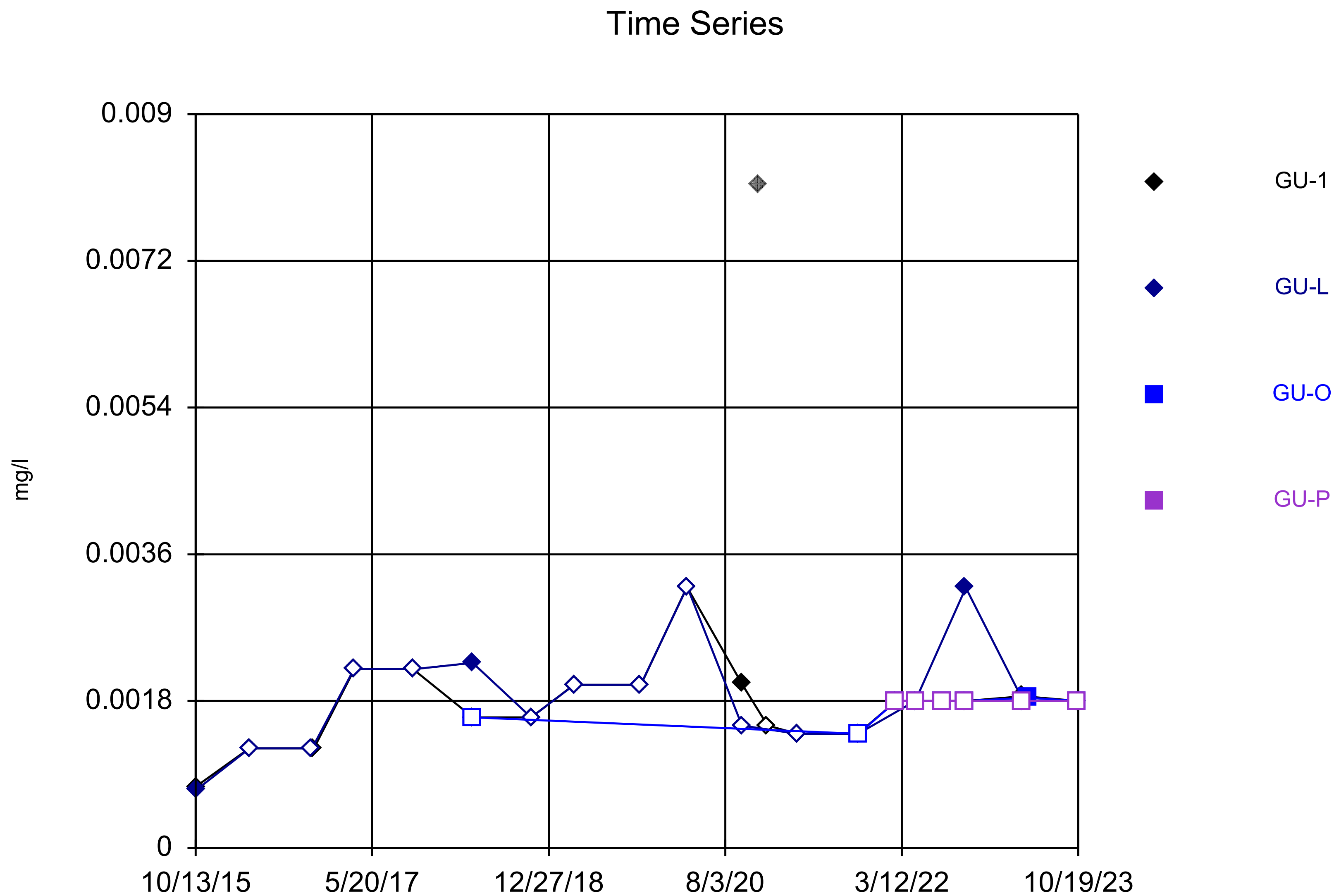
Hollow symbols indicate censored values.



Constituent: Copper   Analysis Run 11/20/2023 4:42 PM   View: GU_App I Metals
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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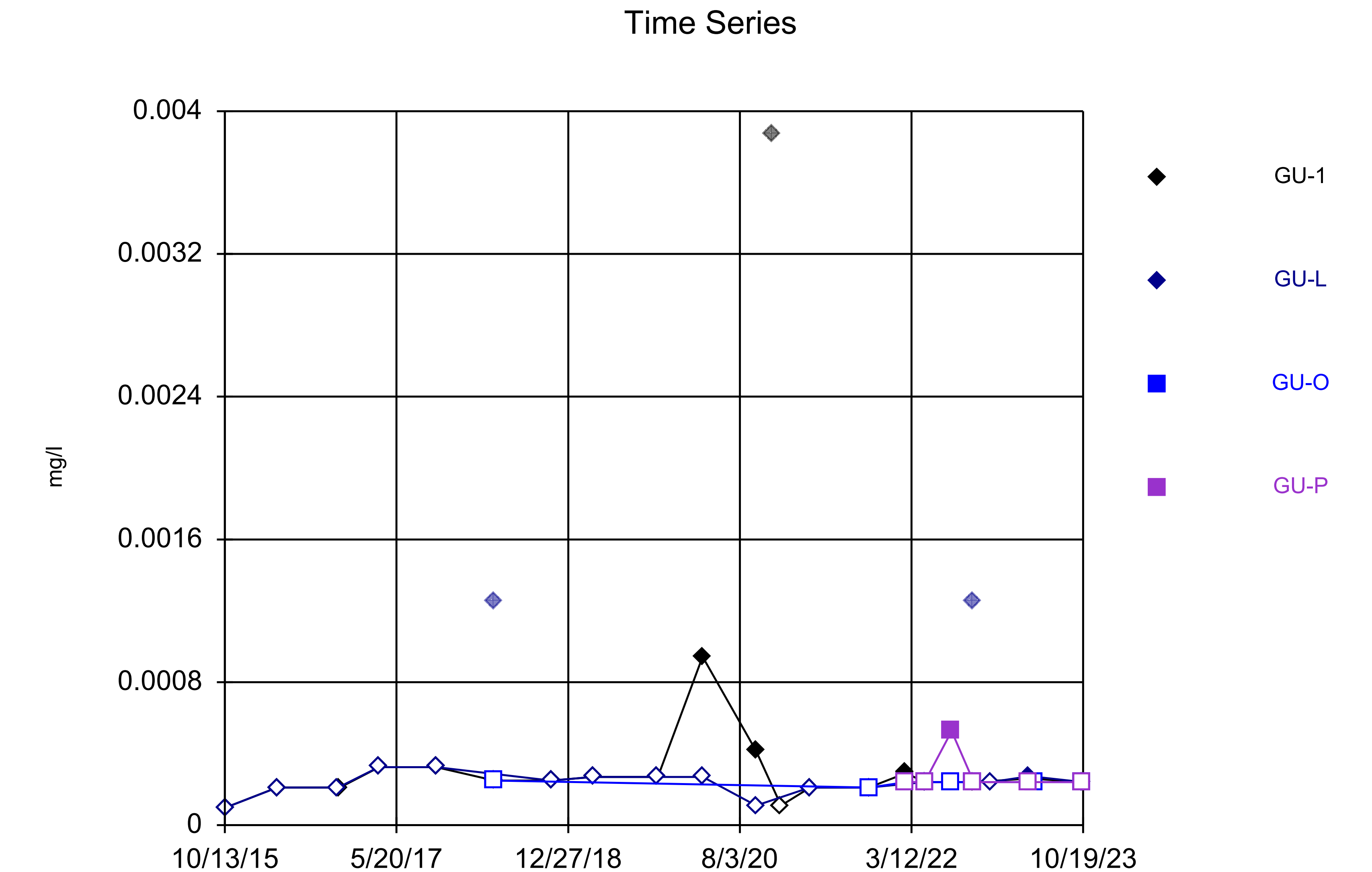
Hollow symbols indicate censored values.



Constituent: Lead Analysis Run 11/20/2023 4:42 PM View: GU_App I Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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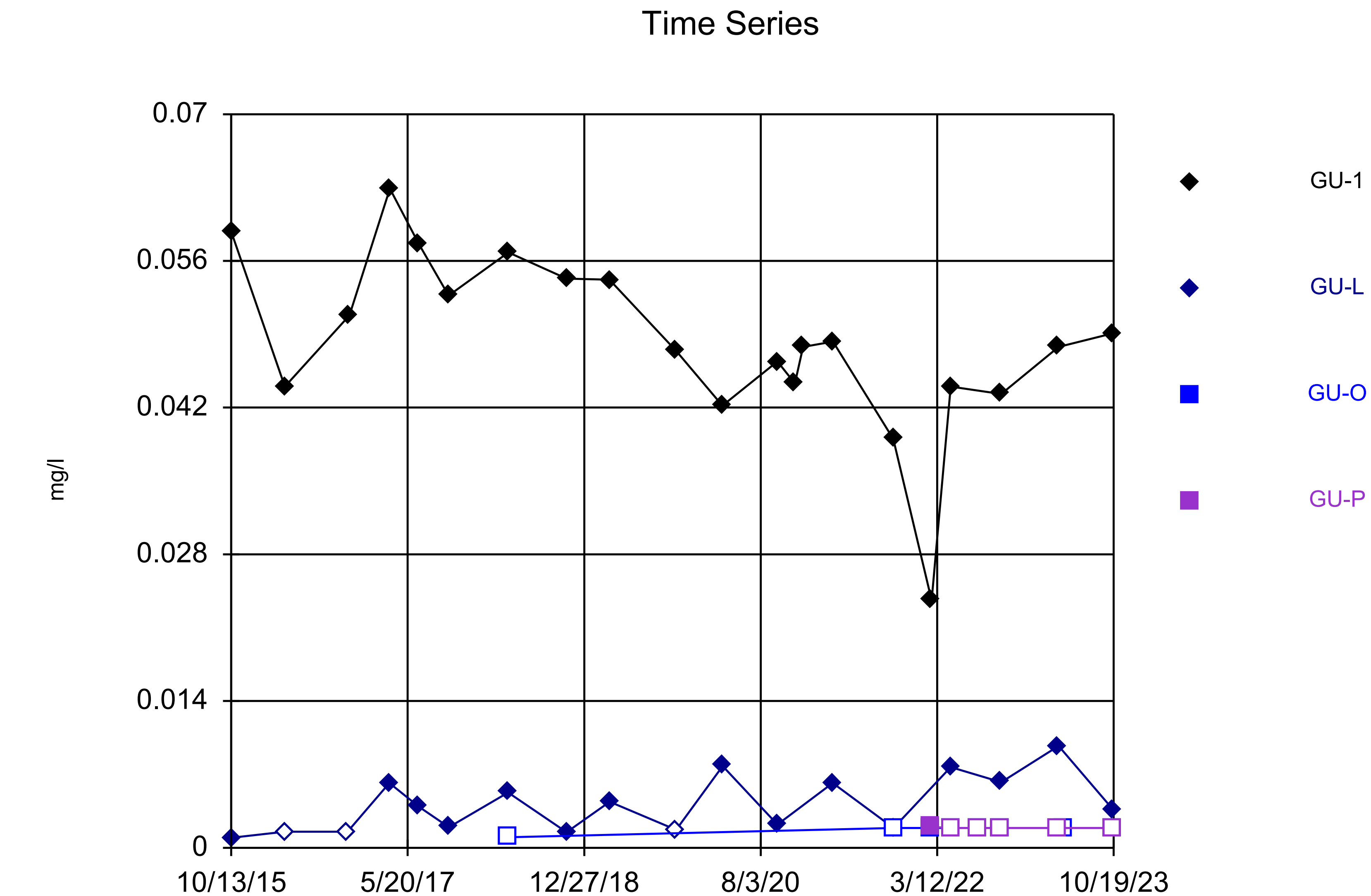
Hollow symbols indicate censored values.



Constituent: Nickel Analysis Run 11/20/2023 4:42 PM View: GU_App I Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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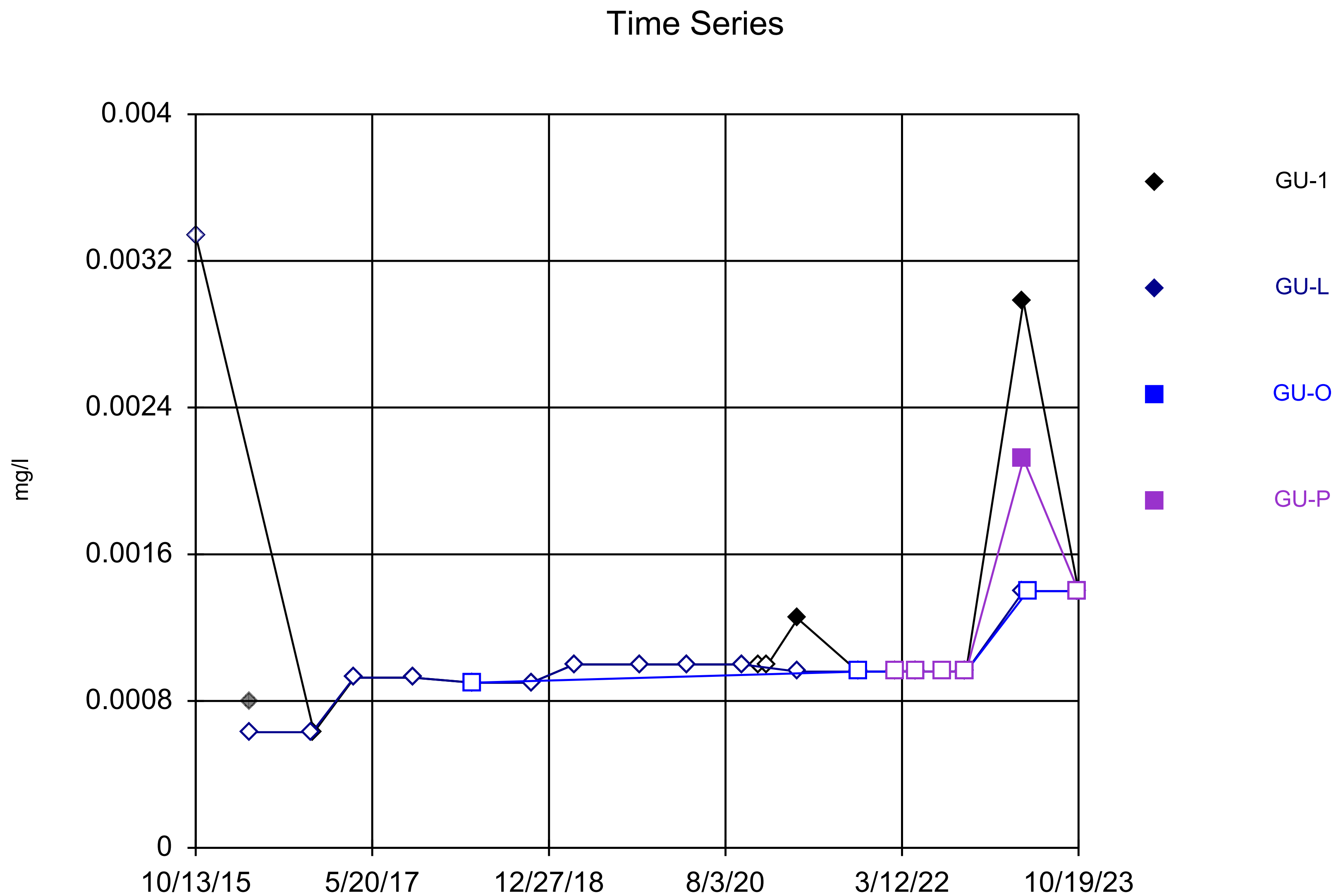
Hollow symbols indicate censored values.



Constituent: Selenium Analysis Run 11/20/2023 4:42 PM View: GU_App I Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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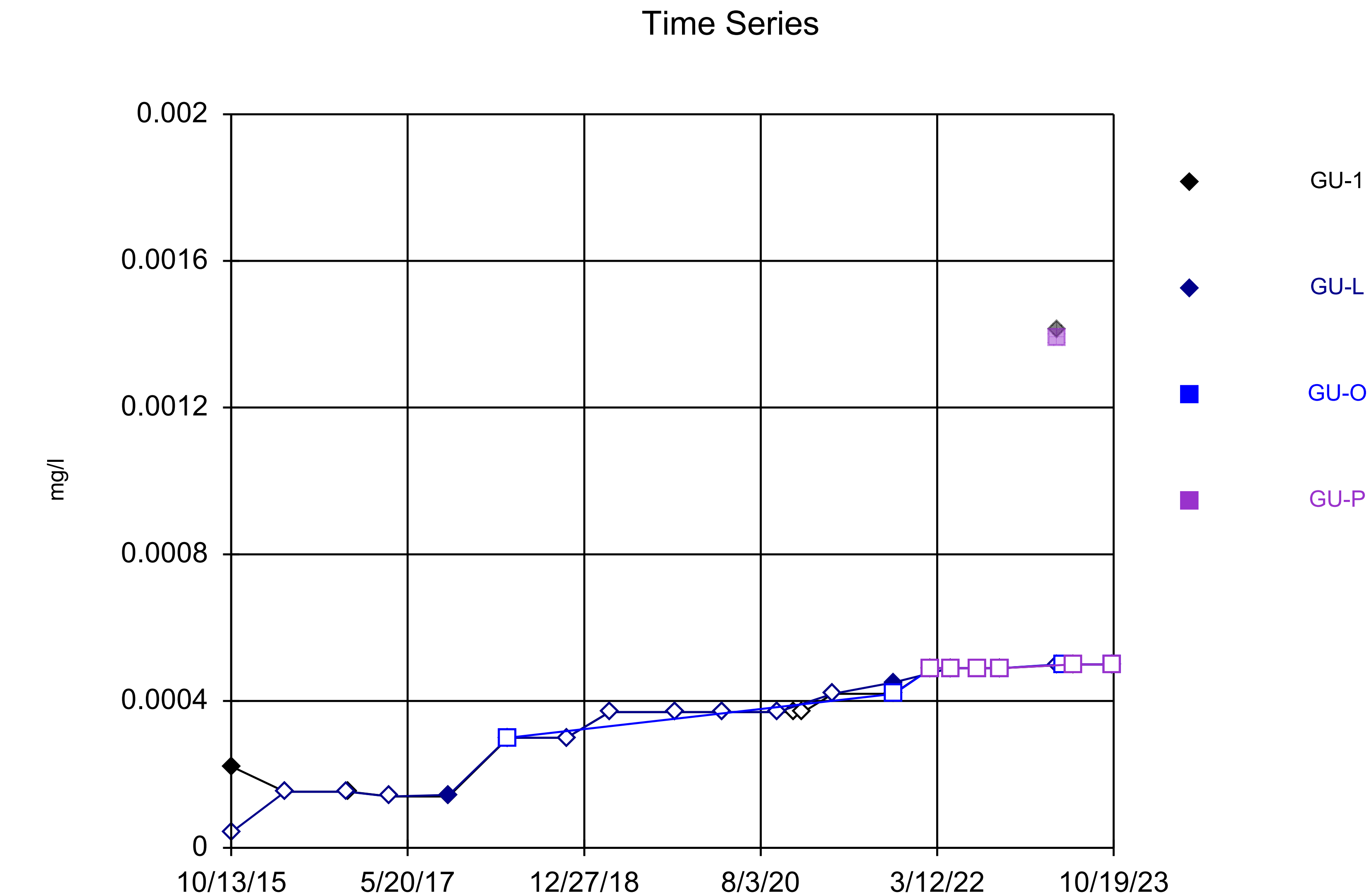
Hollow symbols indicate censored values.



Constituent: Silver Analysis Run 11/20/2023 4:42 PM View: GU_App I Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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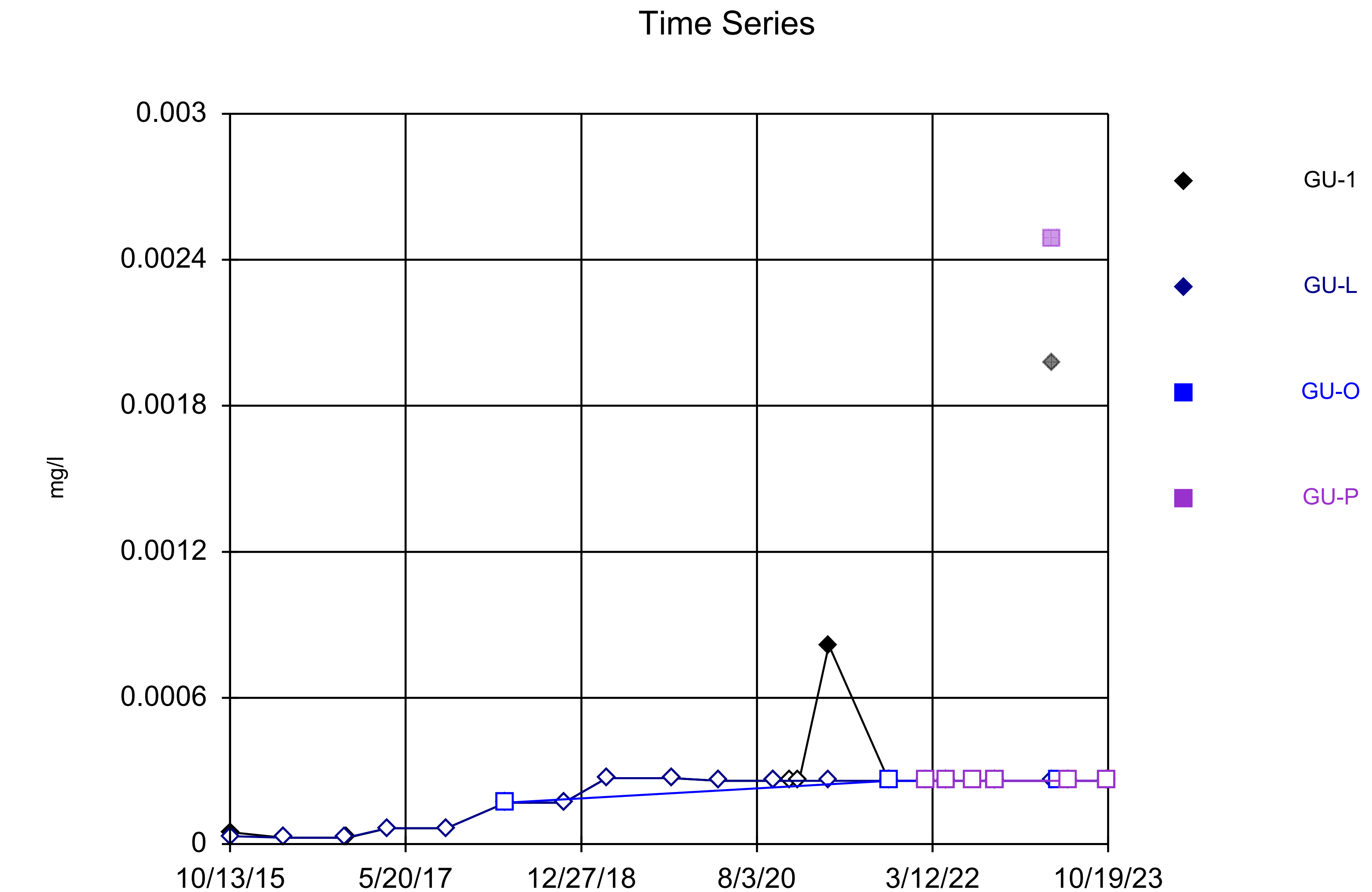
Hollow symbols indicate censored values.



Constituent: Thallium Analysis Run 11/20/2023 4:42 PM View: GU_App I Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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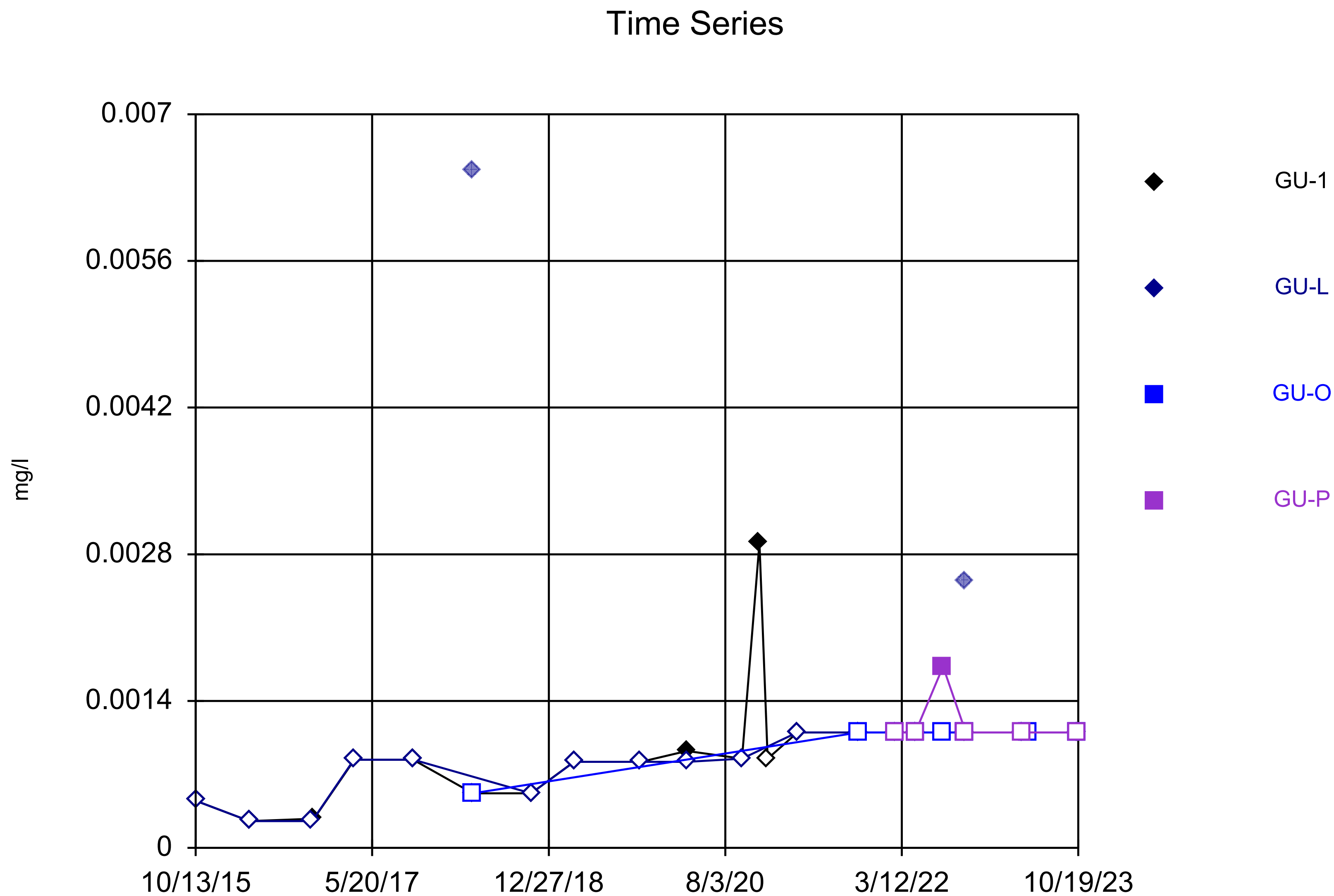
Hollow symbols indicate censored values.



Constituent: Vanadium Analysis Run 11/20/2023 4:42 PM View: GU_App I Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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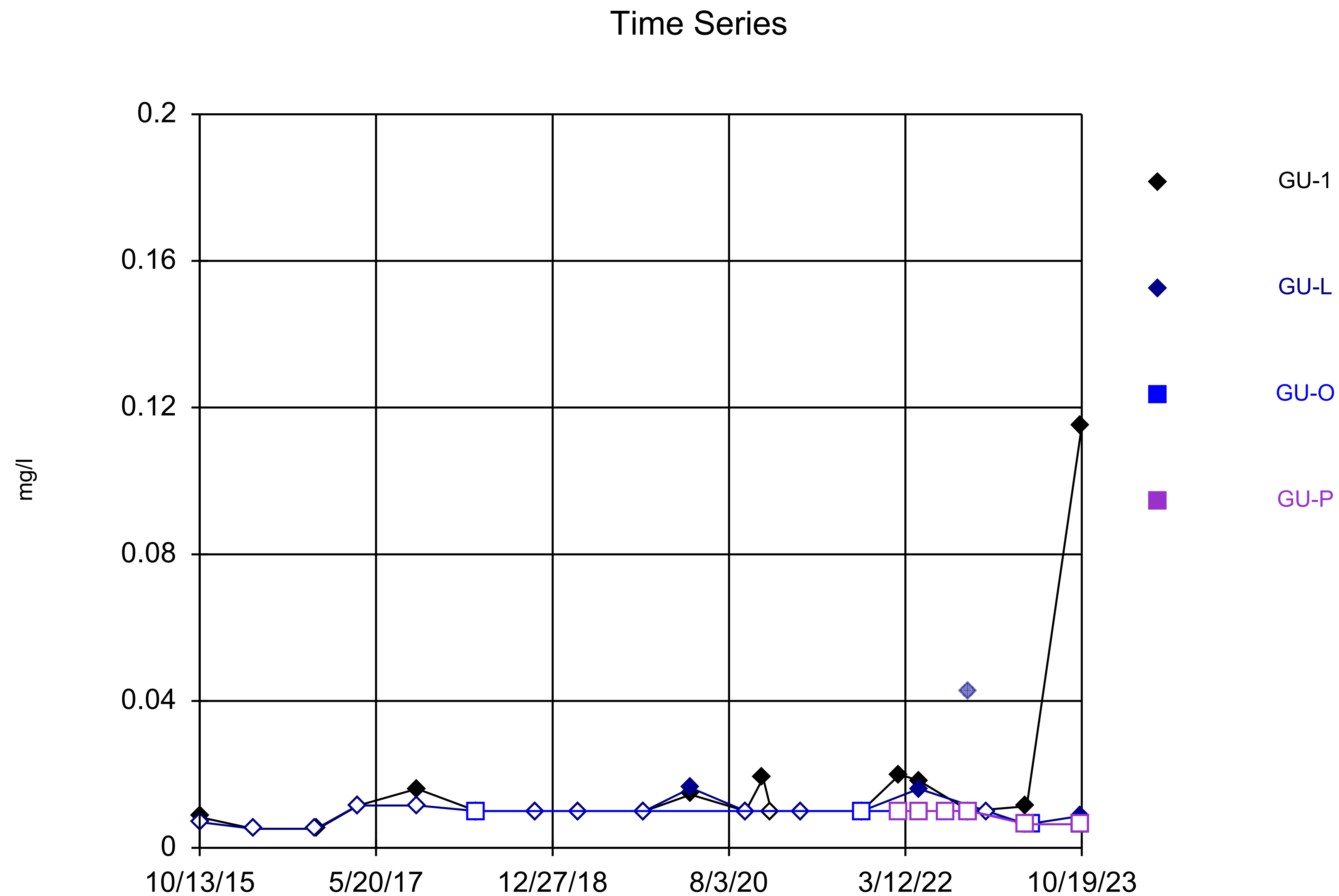
Hollow symbols indicate censored values.



Constituent: Zinc   Analysis Run 11/20/2023 4:42 PM   View: GU_App I Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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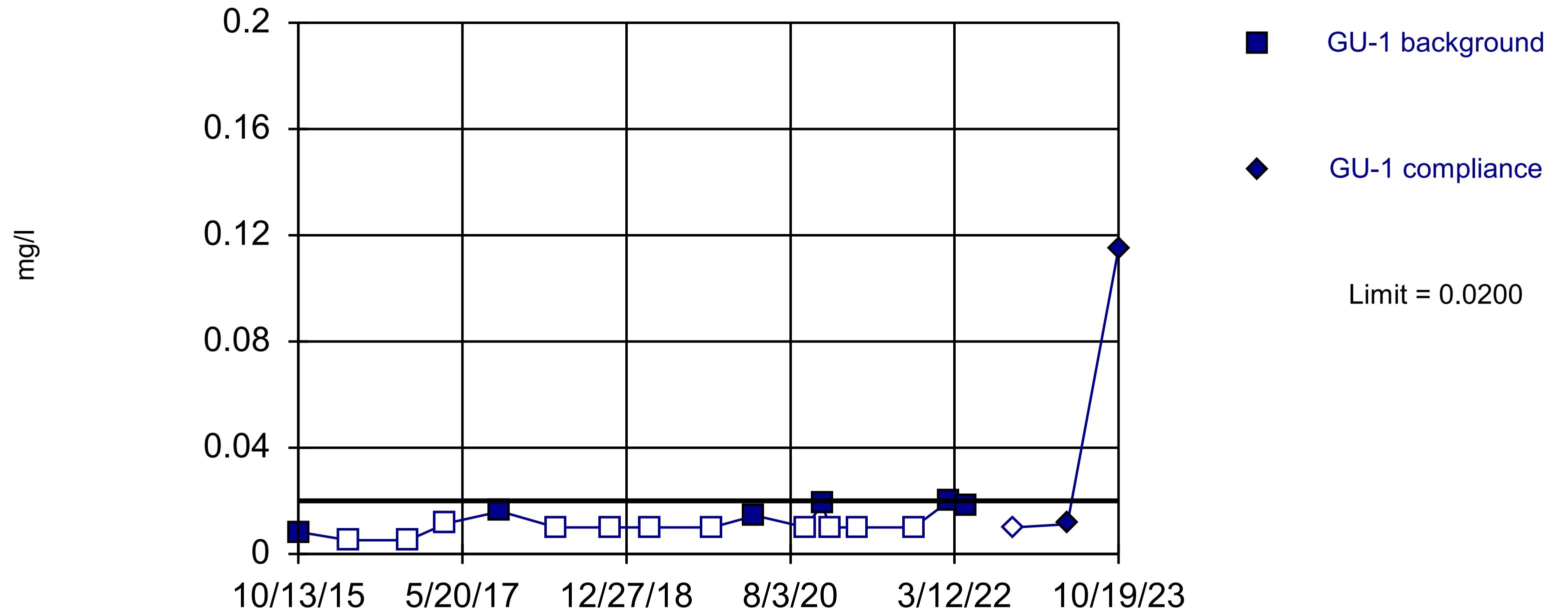
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Zinc Analysis Run 11/20/2023 4:49 PM View: GU_App I Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Prediction Limit

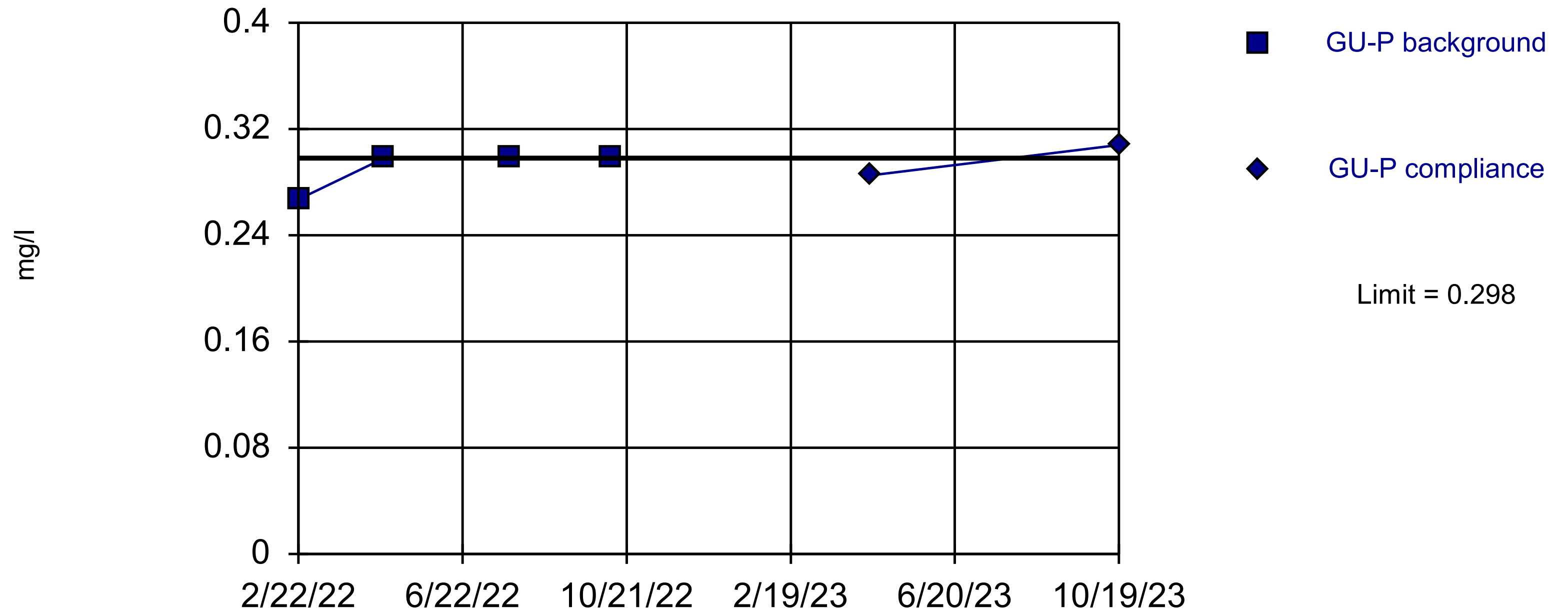
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/20/2023, 4:50 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/l)	GU-1	0.000690	10/19/2023	0.001ND	No	17	n/a	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/l)	GU-L	0.00111	10/19/2023	0.001ND	No	14	n/a	n/a	n/a	78.57	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Antimony (mg/l)	GU-O	0.000690	10/19/2023	0.001ND	No	5	n/a	n/a	n/a	100	n/a	n/a	0.04755	NP Intra (NDs) 1 of 2
Arsenic (mg/l)	GU-1	0.0876	10/19/2023	0.0103	No	18	n/a	0.2089	0.08721	0	None	x^(1/3)	0.000...	Param Intra 1 of 2
Arsenic (mg/l)	GU-L	0.0131	10/19/2023	0.000902J	No	15	n/a	-6.719	0.8365	46.67	Kapla...	ln(x)	0.000...	Param Intra 1 of 2
Arsenic (mg/l)	GU-O	0.00942	10/19/2023	0.00225	No	5	n/a	0.003124	0.0008495	0	None	No	0.000...	Param Intra 1 of 2
Barium (mg/l)	GU-1	1.61	10/19/2023	0.751	No	18	n/a	0.7272	0.3274	0	None	No	0.000...	Param Intra 1 of 2
Barium (mg/l)	GU-L	0.12	10/19/2023	0.0488	No	14	n/a	0.04751	0.02485	0	None	No	0.000...	Param Intra 1 of 2
Barium (mg/l)	GU-O	0.876	10/19/2023	0.31	No	5	n/a	0.2968	0.07815	0	None	No	0.000...	Param Intra 1 of 2
Beryllium (m...	GU-1	0.000270	10/19/2023	0.00033ND	No	17	n/a	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Beryllium (m...	GU-L	0.000270	10/19/2023	0.00033ND	No	14	n/a	n/a	n/a	92.86	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Beryllium (m...	GU-O	0.000270	10/19/2023	0.00033ND	No	5	n/a	n/a	n/a	100	n/a	n/a	0.04755	NP Intra (NDs) 1 of 2
Cadmium (mg/l)	GU-1	0.0000550	10/19/2023	0.0001ND	No	17	n/a	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/l)	GU-L	0.0000550	10/19/2023	0.0001ND	No	13	n/a	n/a	n/a	100	n/a	n/a	0.009692	NP Intra (NDs) 1 of 2
Cadmium (mg/l)	GU-O	0.0000730	10/19/2023	0.0001ND	No	5	n/a	n/a	n/a	80	n/a	n/a	0.04755	NP Intra (NDs) 1 of 2
Chromium (mg/l)	GU-1	0.00148	10/19/2023	0.00195J	No	17	n/a	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/l)	GU-L	0.00131	10/19/2023	0.0011ND	No	14	n/a	n/a	n/a	92.86	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Chromium (mg/l)	GU-O	0.00110	10/19/2023	0.0011ND	No	5	n/a	n/a	n/a	100	n/a	n/a	0.04755	NP Intra (NDs) 1 of 2
Cobalt (mg/l)	GU-1	0.021	10/19/2023	0.002	No	18	n/a	0.1587	0.04349	0	None	x^(1/3)	0.000...	Param Intra 1 of 2
Cobalt (mg/l)	GU-L	0.0189	10/19/2023	0.00179	No	15	n/a	0.04122	0.03384	6.667	None	sqrt(x)	0.000...	Param Intra 1 of 2
Cobalt (mg/l)	GU-O	0.00756	10/19/2023	0.000085ND	No	5	n/a	0.08148	0.01549	0	None	x^(1/3)	0.000...	Param Intra 1 of 2
Copper (mg/l)	GU-1	0.00320	10/19/2023	0.0018ND	No	16	n/a	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/l)	GU-L	0.00320	10/19/2023	0.0018ND	No	14	n/a	n/a	n/a	85.71	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Copper (mg/l)	GU-O	0.00180	10/19/2023	0.0018ND	No	5	n/a	n/a	n/a	100	n/a	n/a	0.04755	NP Intra (NDs) 1 of 2
Lead (mg/l)	GU-1	0.000943	10/19/2023	0.00024ND	No	16	n/a	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Lead (mg/l)	GU-L	0.000240	10/19/2023	0.00024ND	No	13	n/a	n/a	n/a	100	n/a	n/a	0.009692	NP Intra (NDs) 1 of 2
Lead (mg/l)	GU-O	0.000240	10/19/2023	0.00024ND	No	5	n/a	n/a	n/a	100	n/a	n/a	0.04755	NP Intra (NDs) 1 of 2
Nickel (mg/l)	GU-1	0.0728	10/19/2023	0.0491	No	18	n/a	0.04862	0.008971	0	None	No	0.000...	Param Intra 1 of 2
Nickel (mg/l)	GU-L	0.0105	10/19/2023	0.00358J	No	15	n/a	0.003532	0.002452	26.67	Kapla...	No	0.000...	Param Intra 1 of 2
Nickel (mg/l)	GU-O	0.00190	10/19/2023	0.0019ND	No	5	n/a	n/a	n/a	100	n/a	n/a	0.04755	NP Intra (NDs) 1 of 2
Selenium (mg/l)	GU-1	0.00334	10/19/2023	0.0014ND	No	16	n/a	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Selenium (mg/l)	GU-L	0.000960	10/19/2023	0.0014ND	No	13	n/a	n/a	n/a	100	n/a	n/a	0.009692	NP Intra (NDs) 1 of 2
Selenium (mg/l)	GU-O	0.000960	10/19/2023	0.0014ND	No	5	n/a	n/a	n/a	100	n/a	n/a	0.04755	NP Intra (NDs) 1 of 2
Silver (mg/l)	GU-1	0.000490	10/19/2023	0.0005ND	No	17	n/a	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Silver (mg/l)	GU-L	0.000490	10/19/2023	0.0005ND	No	14	n/a	n/a	n/a	85.71	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Silver (mg/l)	GU-O	0.000490	10/19/2023	0.0005ND	No	5	n/a	n/a	n/a	100	n/a	n/a	0.04755	NP Intra (NDs) 1 of 2
Thallium (mg/l)	GU-1	0.000817	10/19/2023	0.00026ND	No	17	n/a	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Thallium (mg/l)	GU-L	0.000260	10/19/2023	0.00026ND	No	14	n/a	n/a	n/a	100	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Thallium (mg/l)	GU-O	0.000260	10/19/2023	0.00026ND	No	5	n/a	n/a	n/a	100	n/a	n/a	0.04755	NP Intra (NDs) 1 of 2
Vanadium (mg/l)	GU-1	0.00291	10/19/2023	0.0011ND	No	17	n/a	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Vanadium (mg/l)	GU-L	0.00110	10/19/2023	0.0011ND	No	13	n/a	n/a	n/a	100	n/a	n/a	0.009692	NP Intra (NDs) 1 of 2
Vanadium (mg/l)	GU-O	0.00110	10/19/2023	0.0011ND	No	5	n/a	n/a	n/a	100	n/a	n/a	0.04755	NP Intra (NDs) 1 of 2
Zinc (mg/l)	**GU-1**	**0.0200**	**10/19/2023**	**0.115**	**Yes**	**17**	**n/a**	**n/a**	**n/a**	**64.71**	**n/a**	**n/a**	**0.005914**	**NP Intra (NDs) 1 of 2**
Zinc (mg/l)	GU-L	0.0163	10/19/2023	0.00868J	No	14	n/a	n/a	n/a	85.71	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Zinc (mg/l)	GU-O	0.0100	10/19/2023	0.0064ND	No	5	n/a	n/a	n/a	100	n/a	n/a	0.04755	NP Intra (NDs) 1 of 2

Exceeds Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 4 background values. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2).

Constituent: Barium   Analysis Run 11/20/2023 4:56 PM   View: GU_App I Metals_GU-P

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

Prediction Limit

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 11/20/2023, 4:57 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/l)	GU-P	0.000690	10/19/2023	0.001ND	No	4	n/a	n/a	n/a	100	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Arsenic (mg/l)	GU-P	0.00804	10/19/2023	0.00255	No	4	n/a	0.002273	0.0005868	0	None	No	0.000...	Param Intra 1 of 2
Barium (mg/l)	**GU-P**	**0.298**	**10/19/2023**	**0.308**	**Yes**	**4**	**n/a**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.06138**	**NP Intra (normality) ...**
Beryllium (m...	GU-P	0.000270	10/19/2023	0.00033ND	No	4	n/a	n/a	n/a	100	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Cadmium (mg/l)	GU-P	0.0000550	10/19/2023	0.0001ND	No	4	n/a	n/a	n/a	100	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Chromium (mg/l)	GU-P	0.00117	10/19/2023	0.0011ND	No	4	n/a	n/a	n/a	75	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Cobalt (mg/l)	GU-P	0.00207	10/19/2023	0.000645	No	4	n/a	1.6e-9	7.4e-10	0	None	x^3	0.000...	Param Intra 1 of 2
Copper (mg/l)	GU-P	0.00180	10/19/2023	0.0018ND	No	4	n/a	n/a	n/a	100	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Lead (mg/l)	GU-P	0.000526	10/19/2023	0.00024ND	No	4	n/a	n/a	n/a	75	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Nickel (mg/l)	GU-P	0.00199	10/19/2023	0.0019ND	No	4	n/a	n/a	n/a	75	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Selenium (mg/l)	GU-P	0.000960	10/19/2023	0.0014ND	No	4	n/a	n/a	n/a	100	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Silver (mg/l)	GU-P	0.000490	10/19/2023	0.0005ND	No	4	n/a	n/a	n/a	100	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Thallium (mg/l)	GU-P	0.000260	10/19/2023	0.00026ND	No	4	n/a	n/a	n/a	100	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Vanadium (mg/l)	GU-P	0.00173	10/19/2023	0.0011ND	No	4	n/a	n/a	n/a	75	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Zinc (mg/l)	GU-P	0.0100	10/19/2023	0.0064ND	No	4	n/a	n/a	n/a	100	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2

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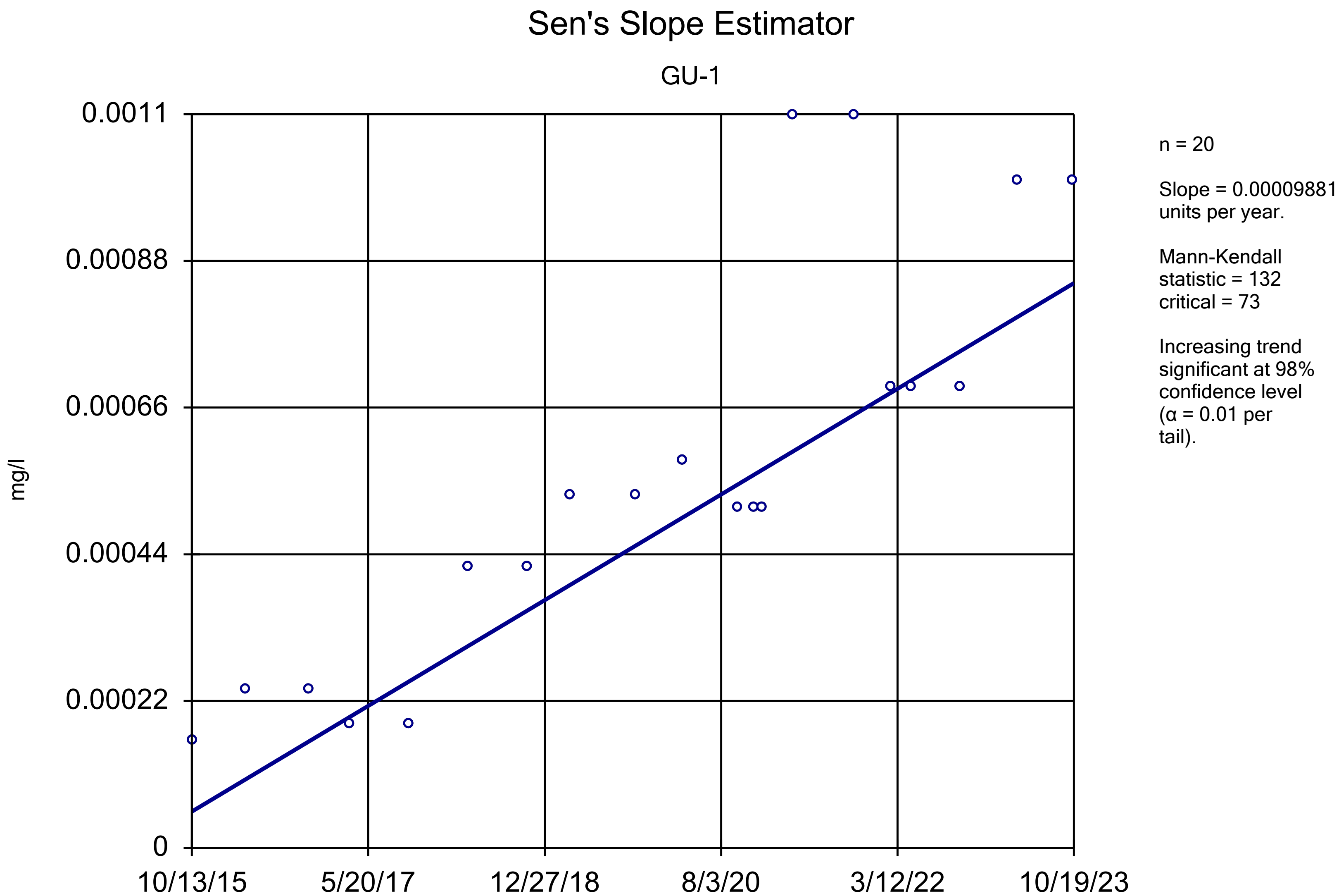
Hollow symbols indicate censored values.



Constituent: Antimony Analysis Run 11/20/2023 4:45 PM View: GU_App I Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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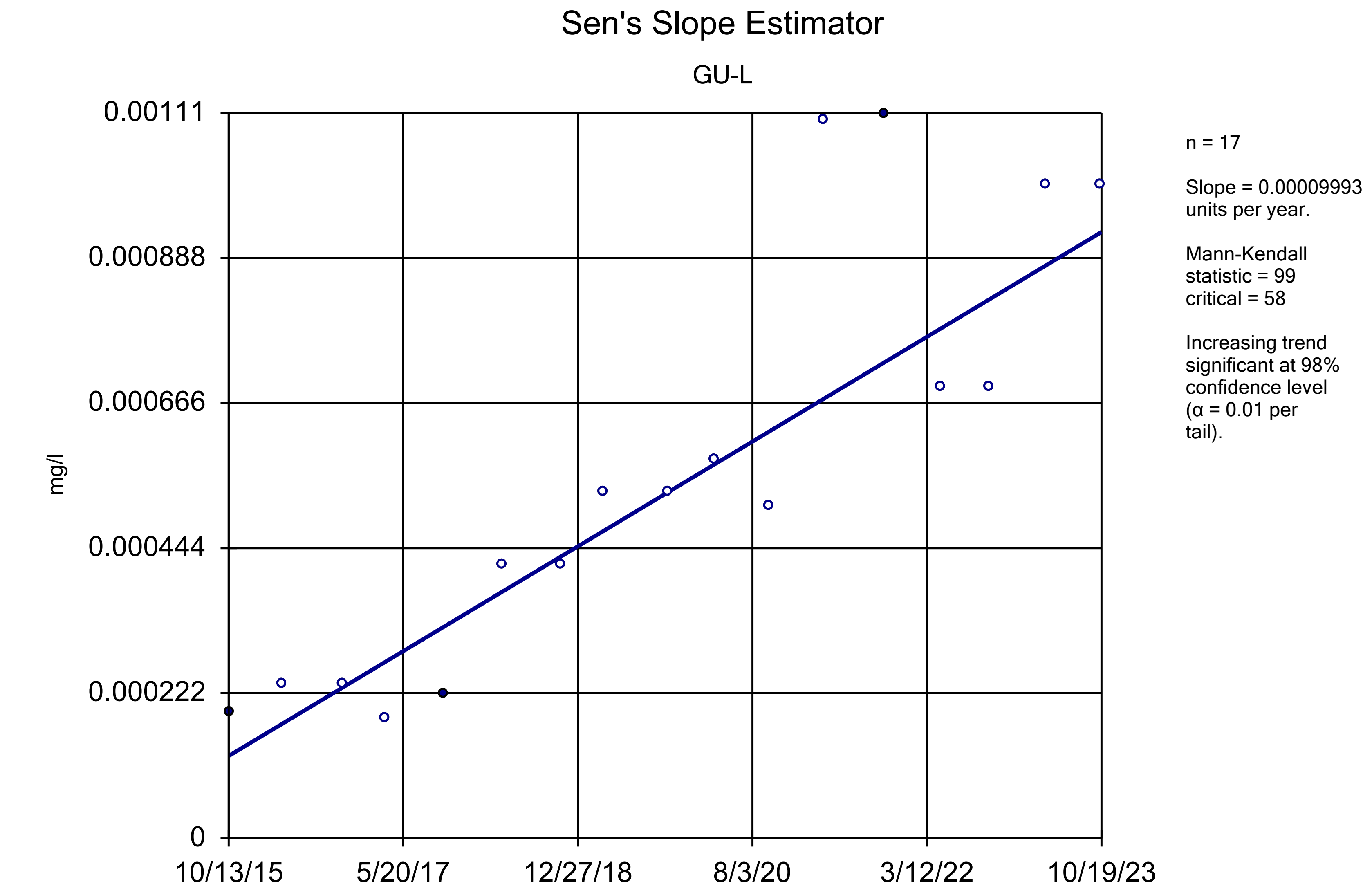
Hollow symbols indicate censored values.



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Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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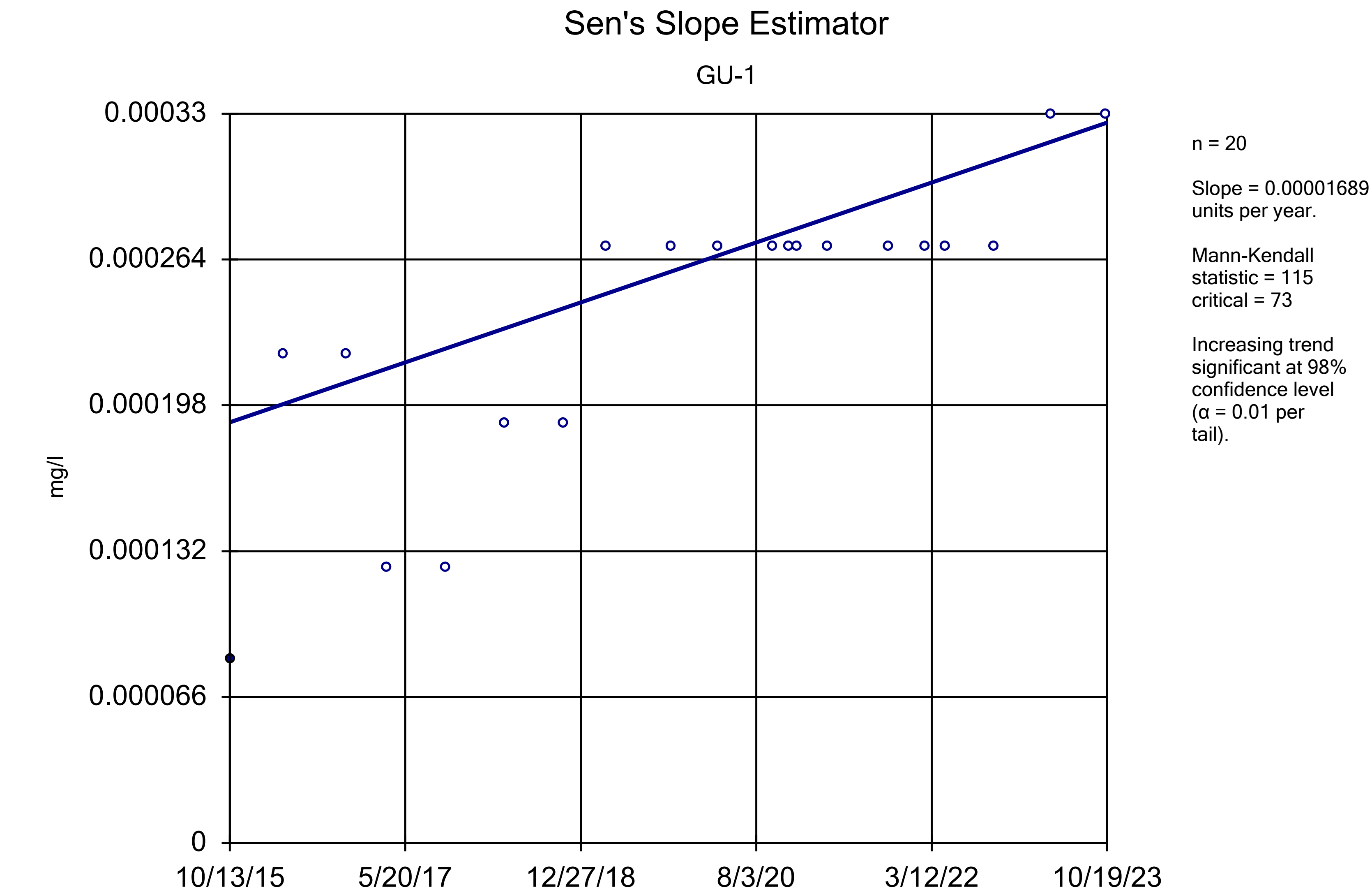
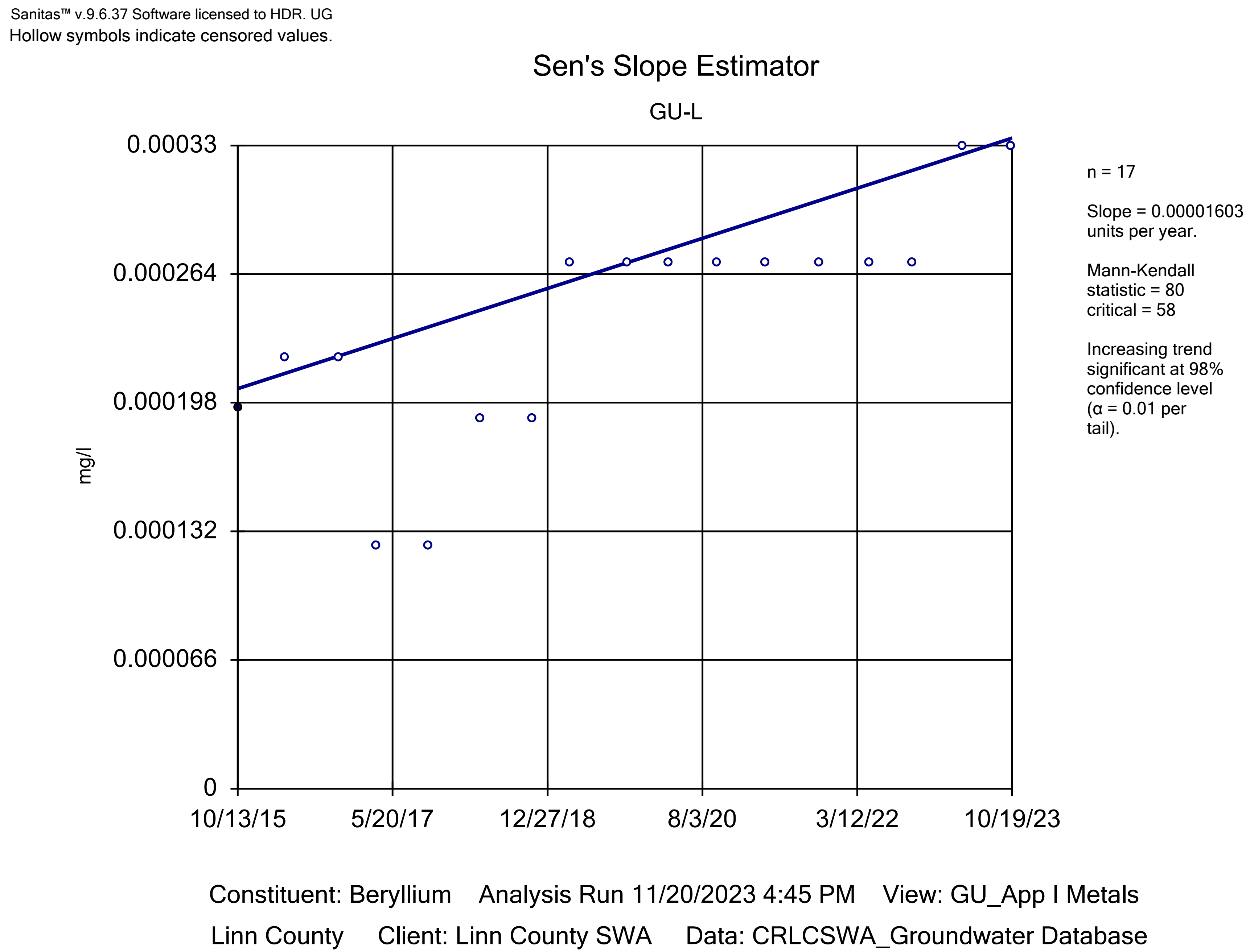
Hollow symbols indicate censored values.



Constituent: Beryllium Analysis Run 11/20/2023 4:45 PM View: GU_App I Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database


Sanitas™ v.9.6.37 Software licensed to HDR. UG
Hollow symbols indicate censored values.
Sen's Slope Estimator
GU-L
0.00033
0.000264
0.000198
0.000132
0.000066
0
mg/l
10/13/15
5/20/17
12/27/18
8/3/20
3/12/22
10/19/23
n = 17
Slope = 0.00001603
units per year.
Mann-Kendall
statistic = 80
critical = 58
Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).
Constituent: Beryllium Analysis Run 11/20/2023 4:45 PM View: GU_App I Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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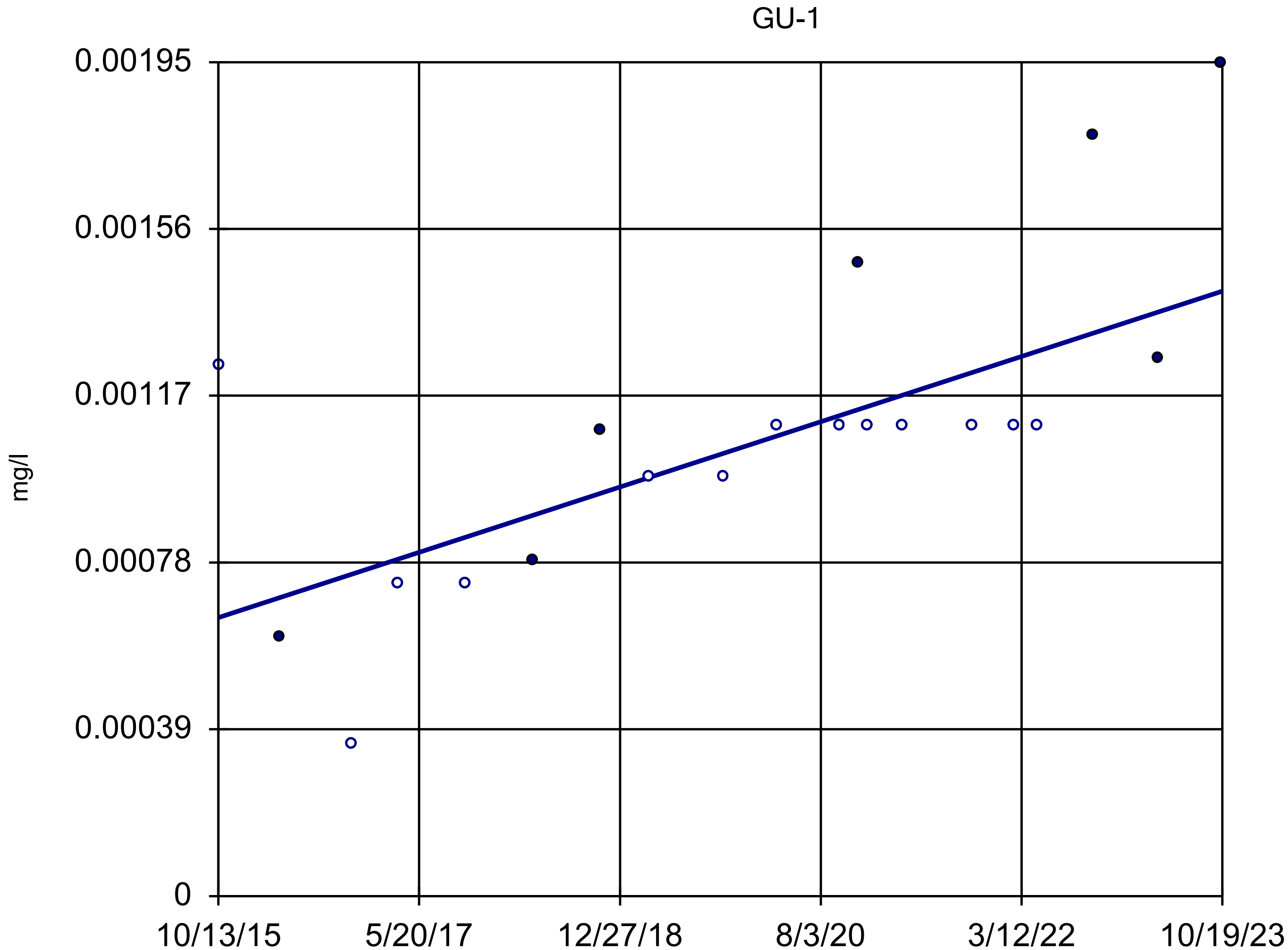
Hollow symbols indicate censored values.

Sen's Slope Estimator



n = 20

Slope = 0.00009518 units per year.

Mann-Kendall statistic = 117 critical = 73

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium Analysis Run 11/20/2023 4:45 PM View: GU_App I Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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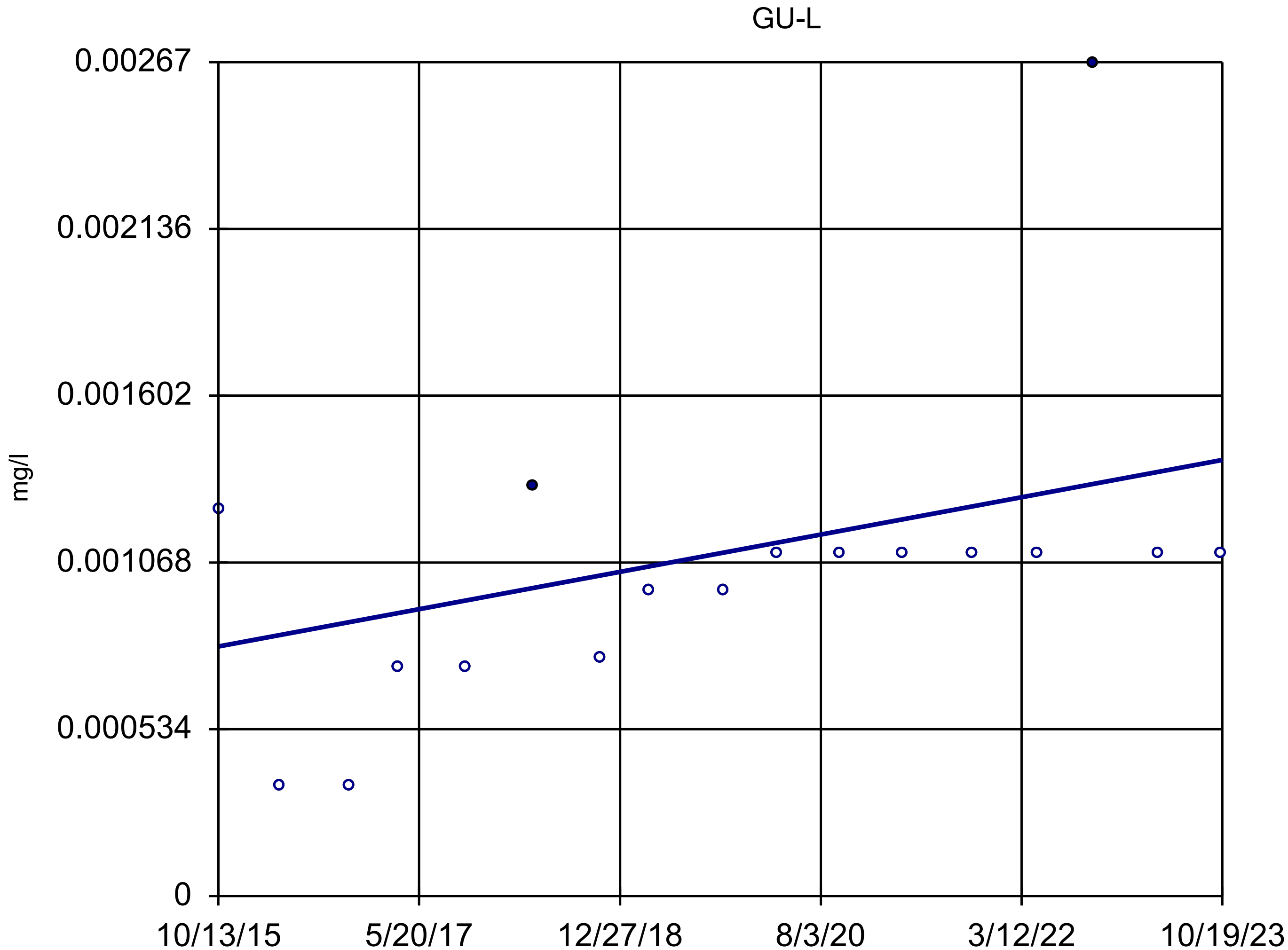
Hollow symbols indicate censored values.

Sen's Slope Estimator



n = 17

Slope = 0.00007438 units per year.

Mann-Kendall statistic = 60 critical = 58

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium   Analysis Run 11/20/2023 4:45 PM   View: GU_App I Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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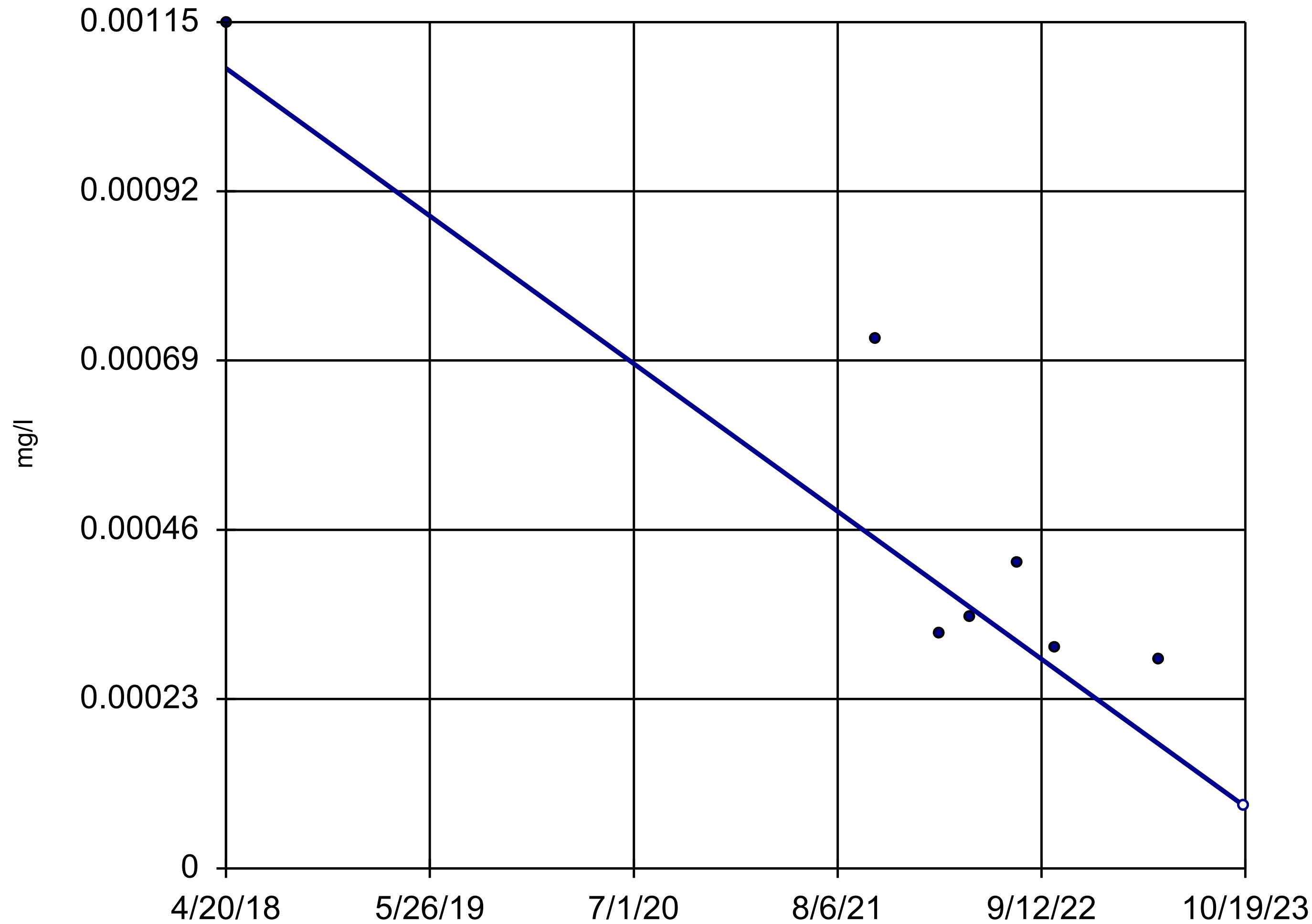
Sen's Slope Estimator

GU-O



n = 8

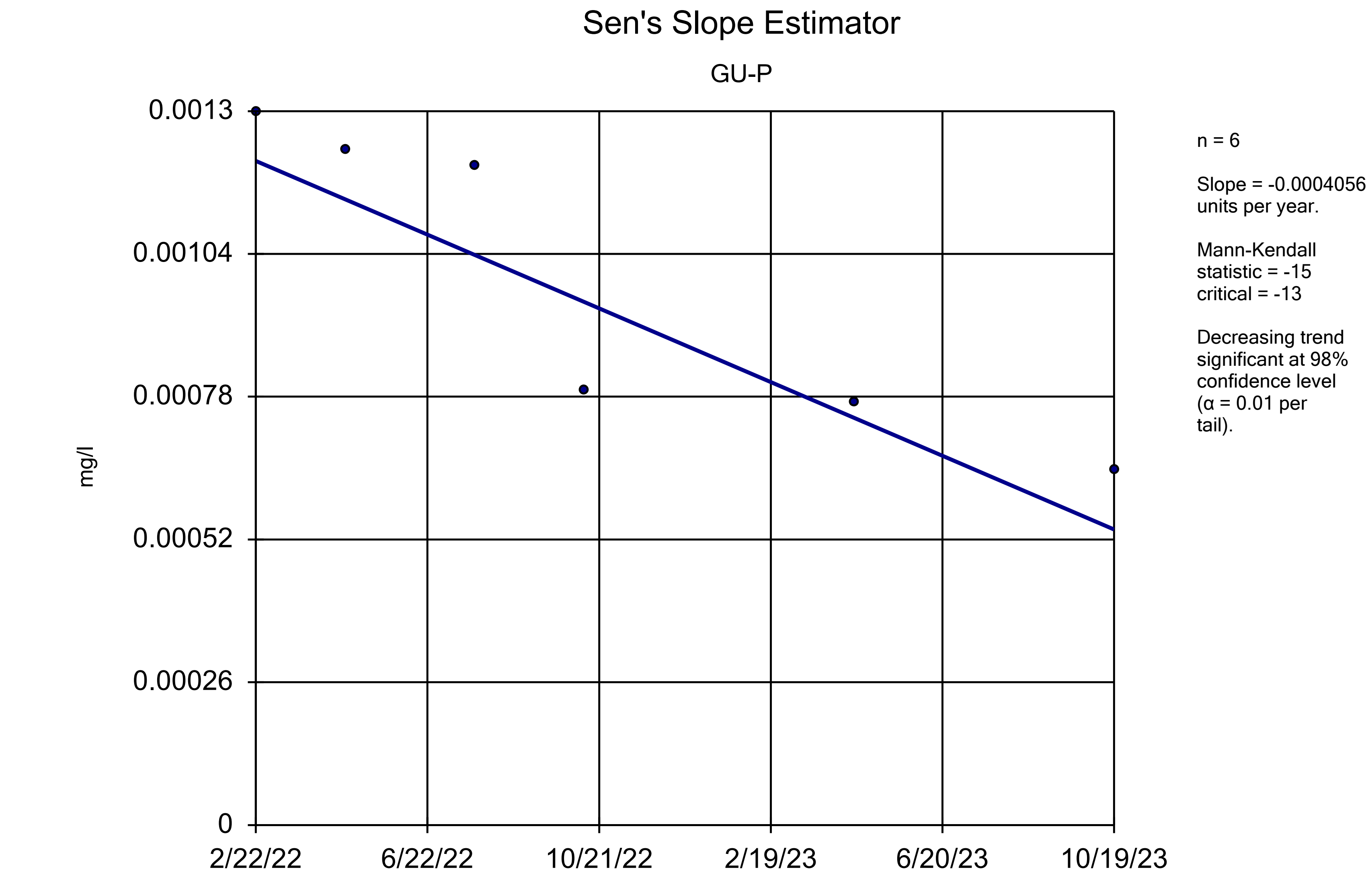
Slope = -0.0001824 units per year.

Mann-Kendall statistic = -22 critical = -20

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cobalt Analysis Run 11/20/2023 4:45 PM View: GU_App I Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database



Constituent: Cobalt Analysis Run 11/20/2023 4:45 PM View: GU_App I Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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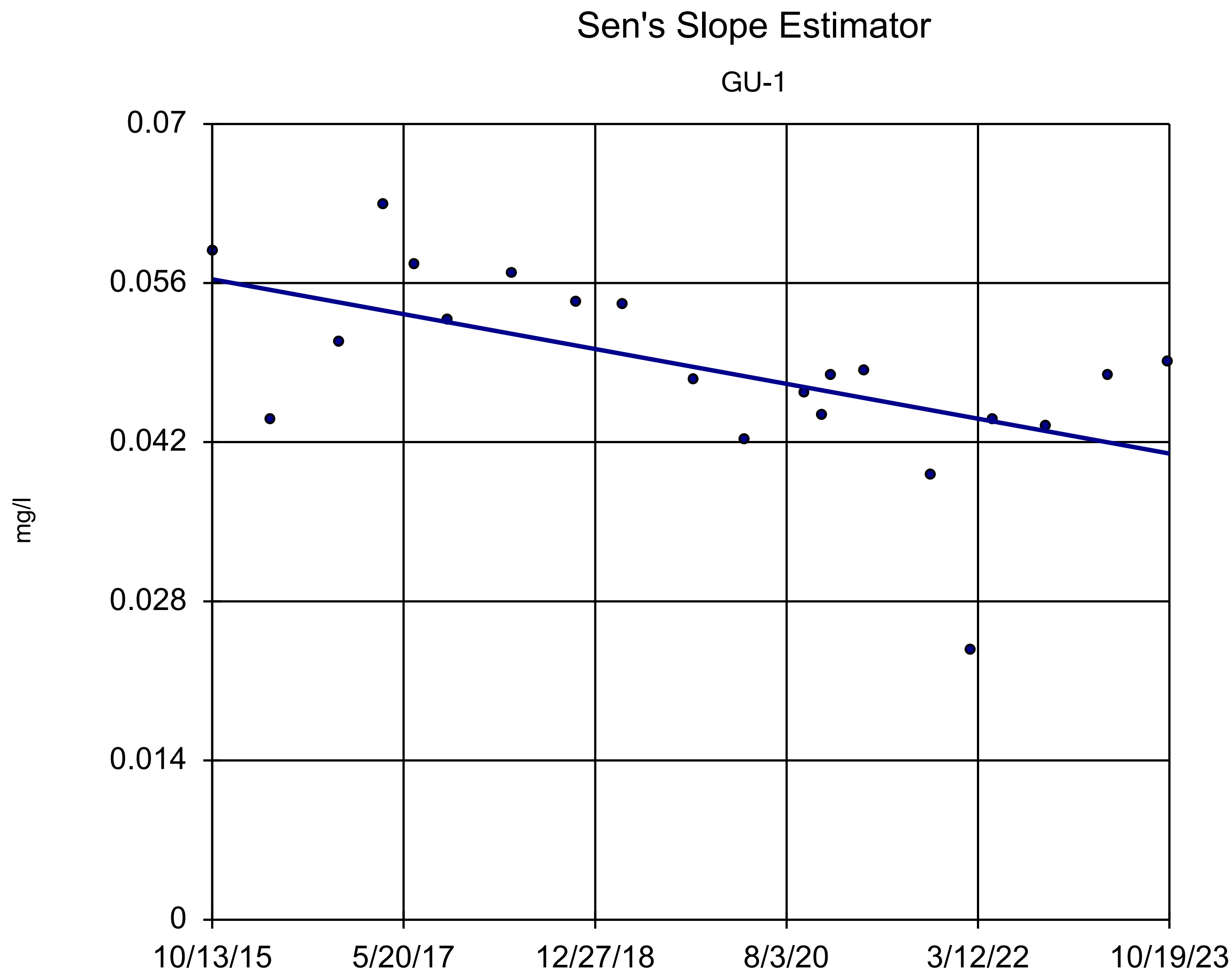

n = 21

Slope = -0.001913 units per year.

Mann-Kendall statistic = -88 critical = -78

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Nickel Analysis Run 11/20/2023 4:45 PM View: GU_App I Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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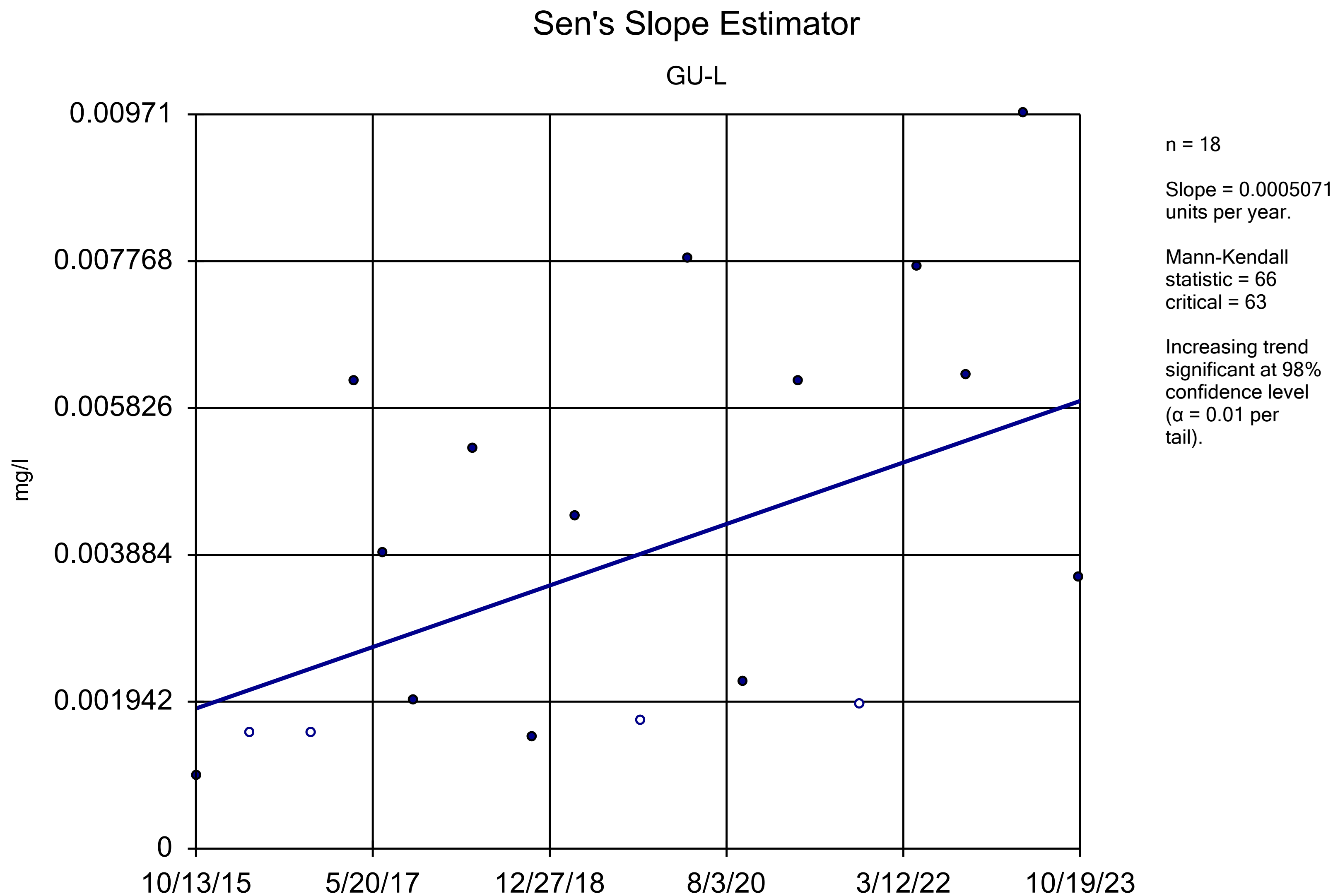

Constituent: Nickel   Analysis Run 11/20/2023 4:45 PM   View: GU_App I Metals
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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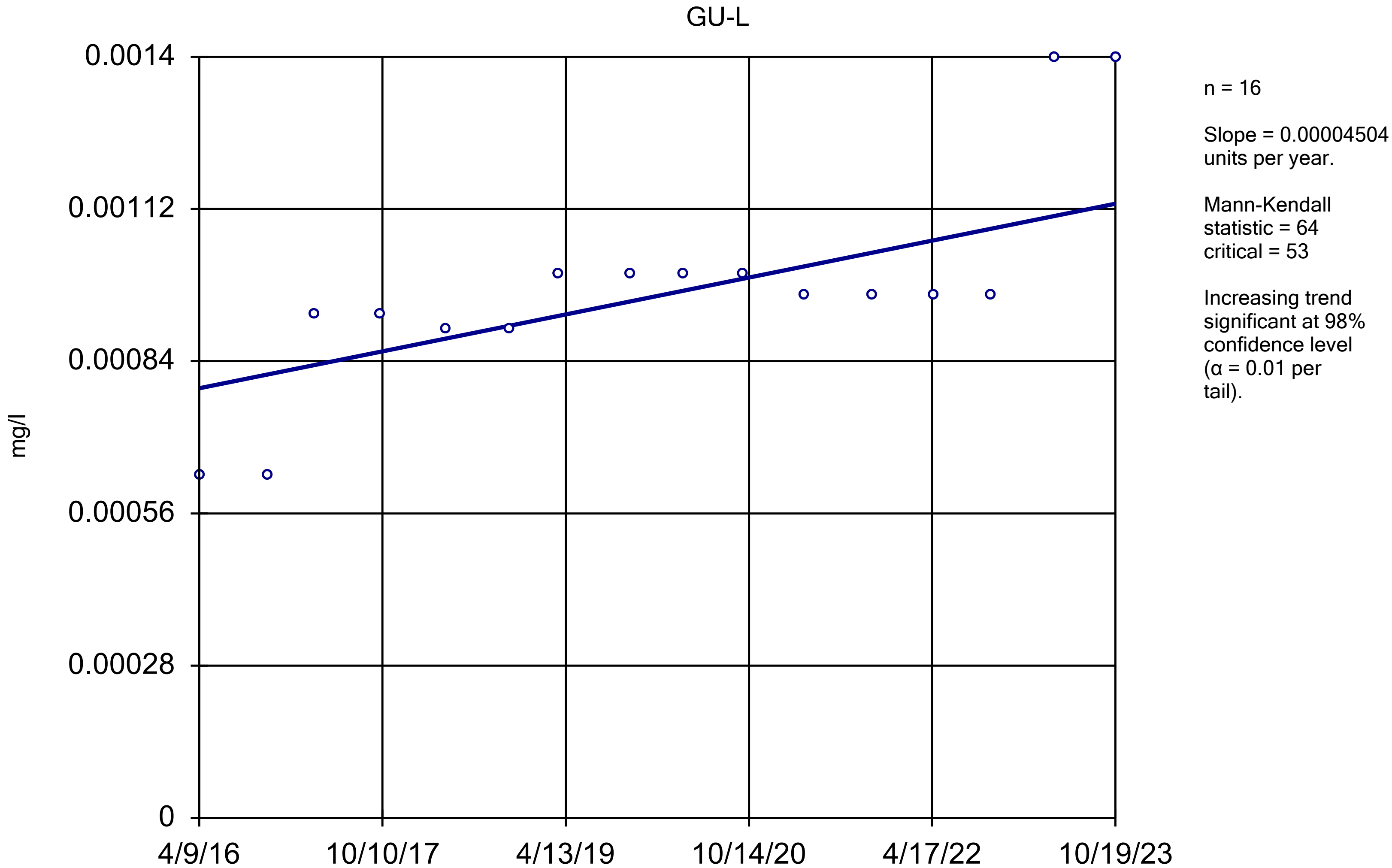
Sen's Slope Estimator



Constituent: Selenium Analysis Run 11/20/2023 4:46 PM View: GU_App I Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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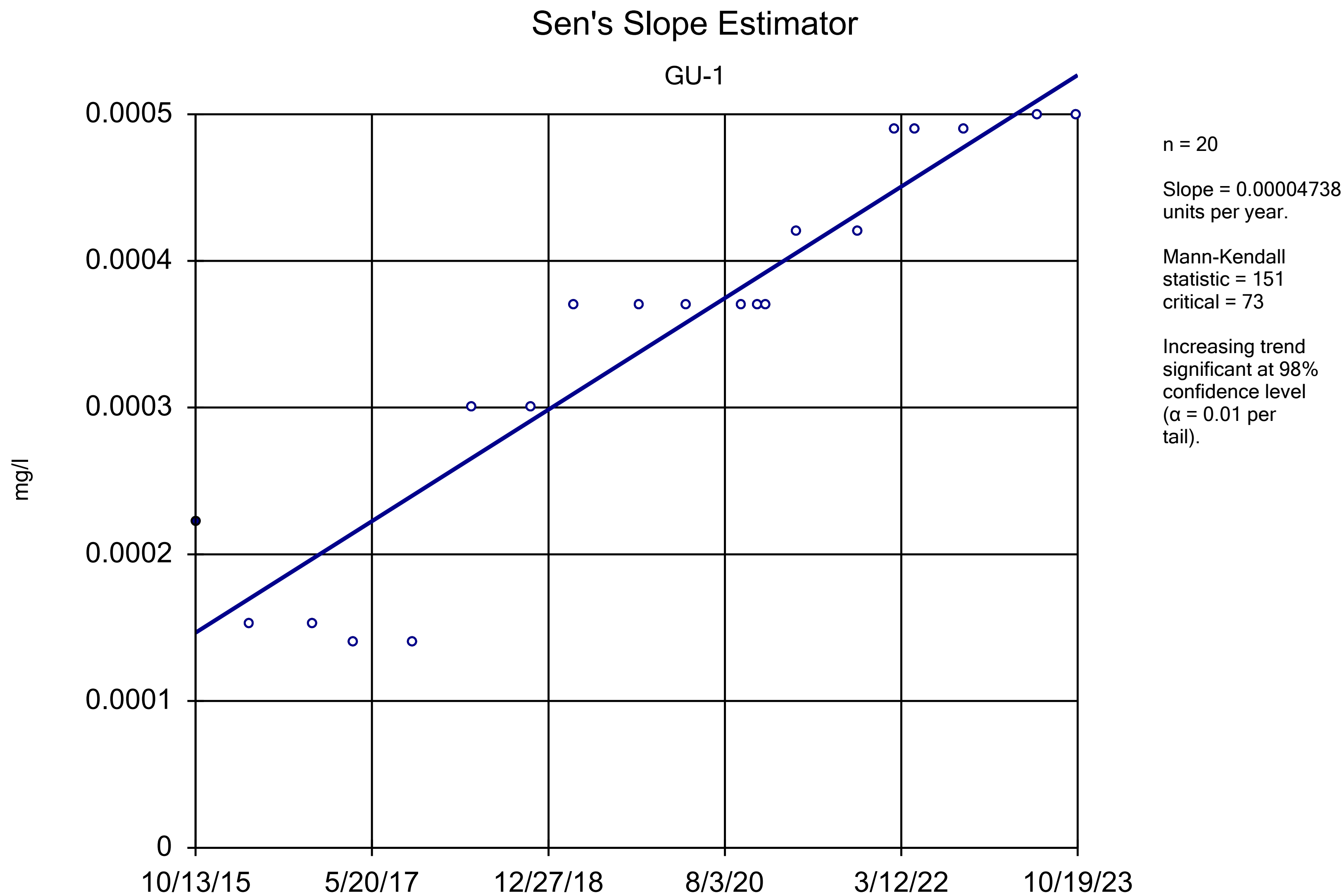
Hollow symbols indicate censored values.



Constituent: Silver Analysis Run 11/20/2023 4:46 PM View: GU_App I Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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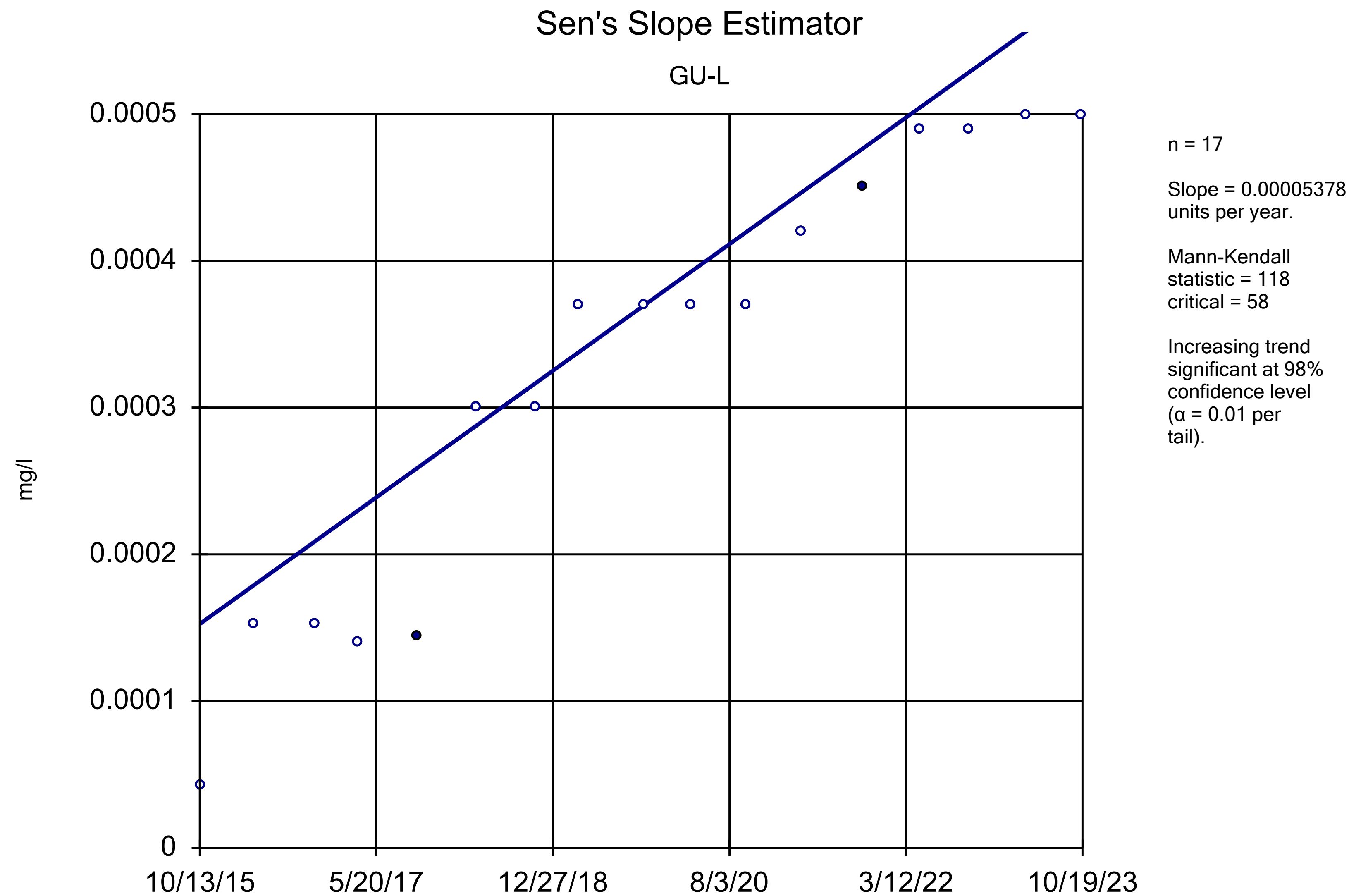
Hollow symbols indicate censored values.



Constituent: Silver   Analysis Run 11/20/2023 4:46 PM   View: GU_App I Metals
Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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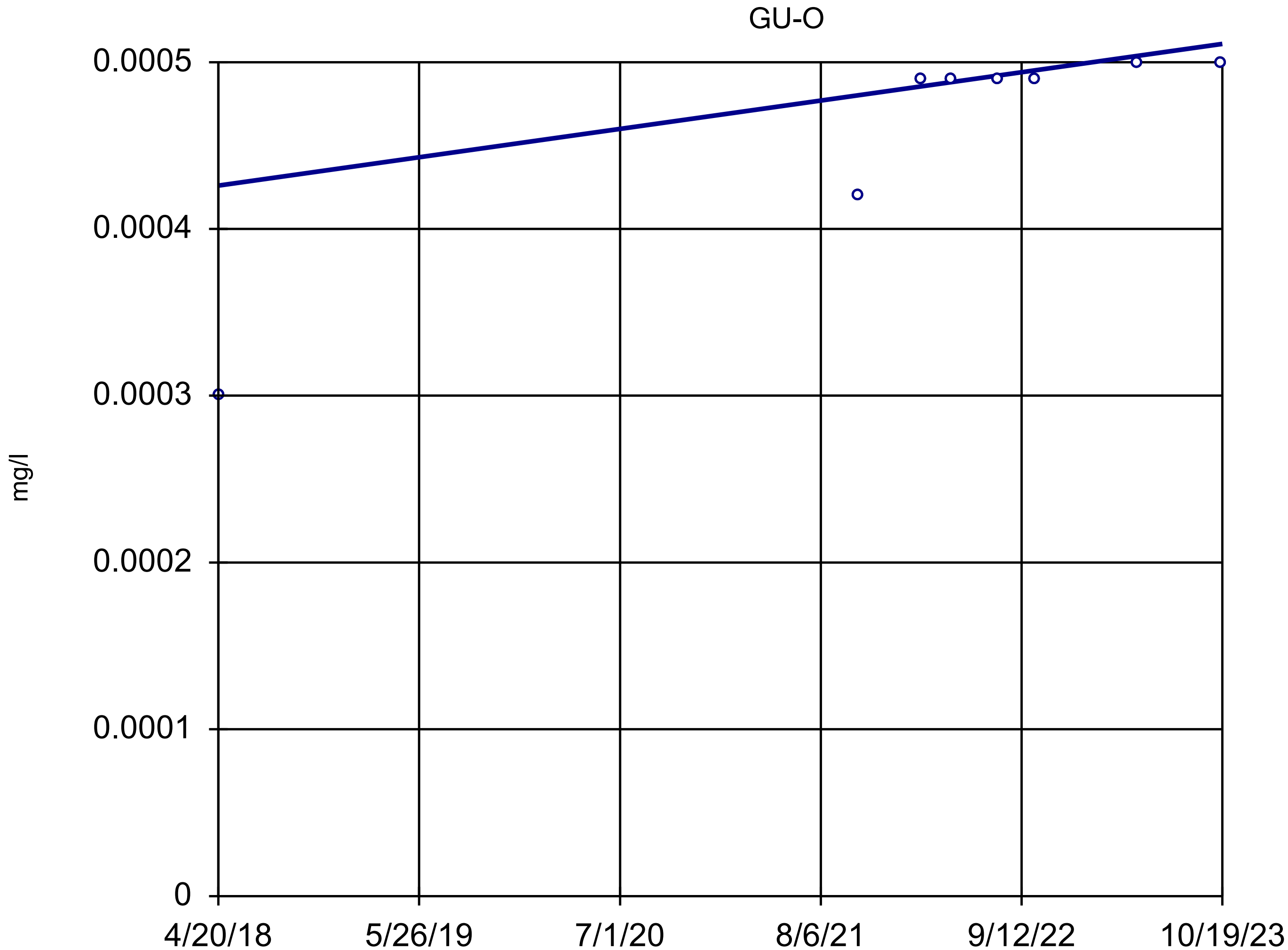
Sen's Slope Estimator



n = 8

Slope = 0.00001546 units per year.

Mann-Kendall statistic = 21 critical = 20

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Silver   Analysis Run 11/20/2023 4:46 PM   View: GU_App I Metals

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database

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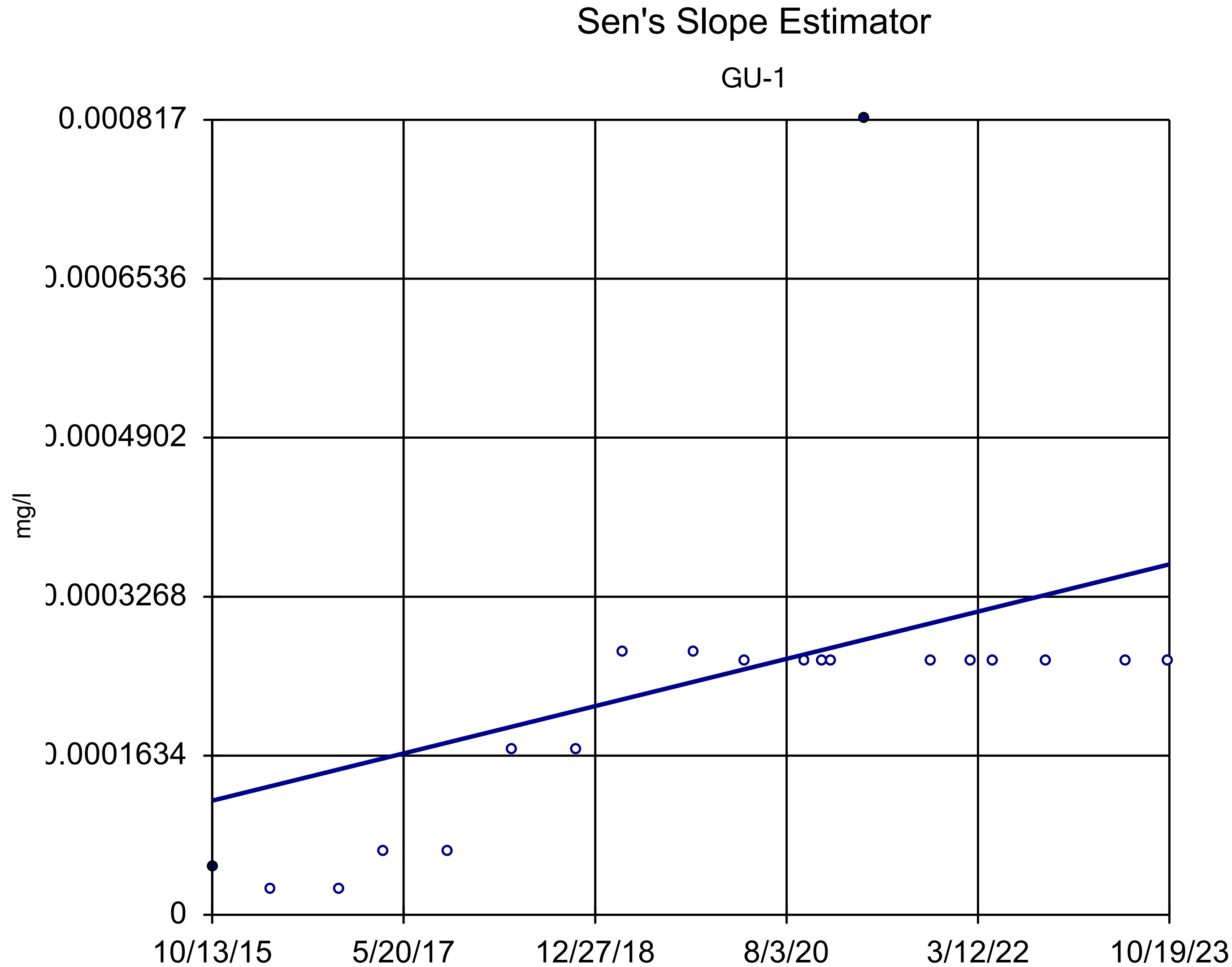
Hollow symbols indicate censored values.



n = 20

Slope = 0.0000303
units per year.

Mann-Kendall
statistic = 85
critical = 73

Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Thallium Analysis Run 11/20/2023 4:46 PM View: GU_App I Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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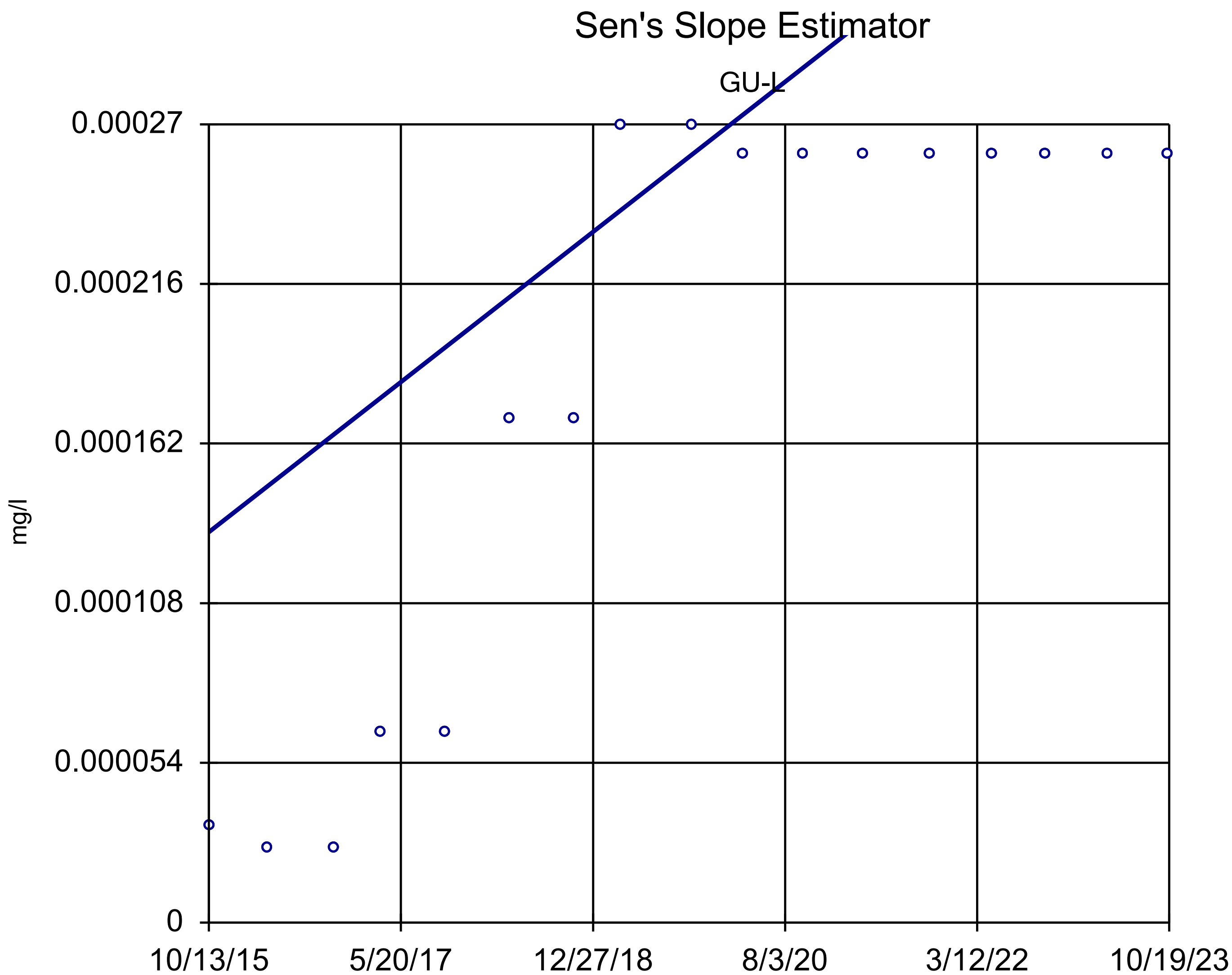
Hollow symbols indicate censored values.



n = 17

Slope = 0.00003165
units per year.

Mann-Kendall
statistic = 68
critical = 58

Increasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Thallium Analysis Run 11/20/2023 4:46 PM View: GU_App I Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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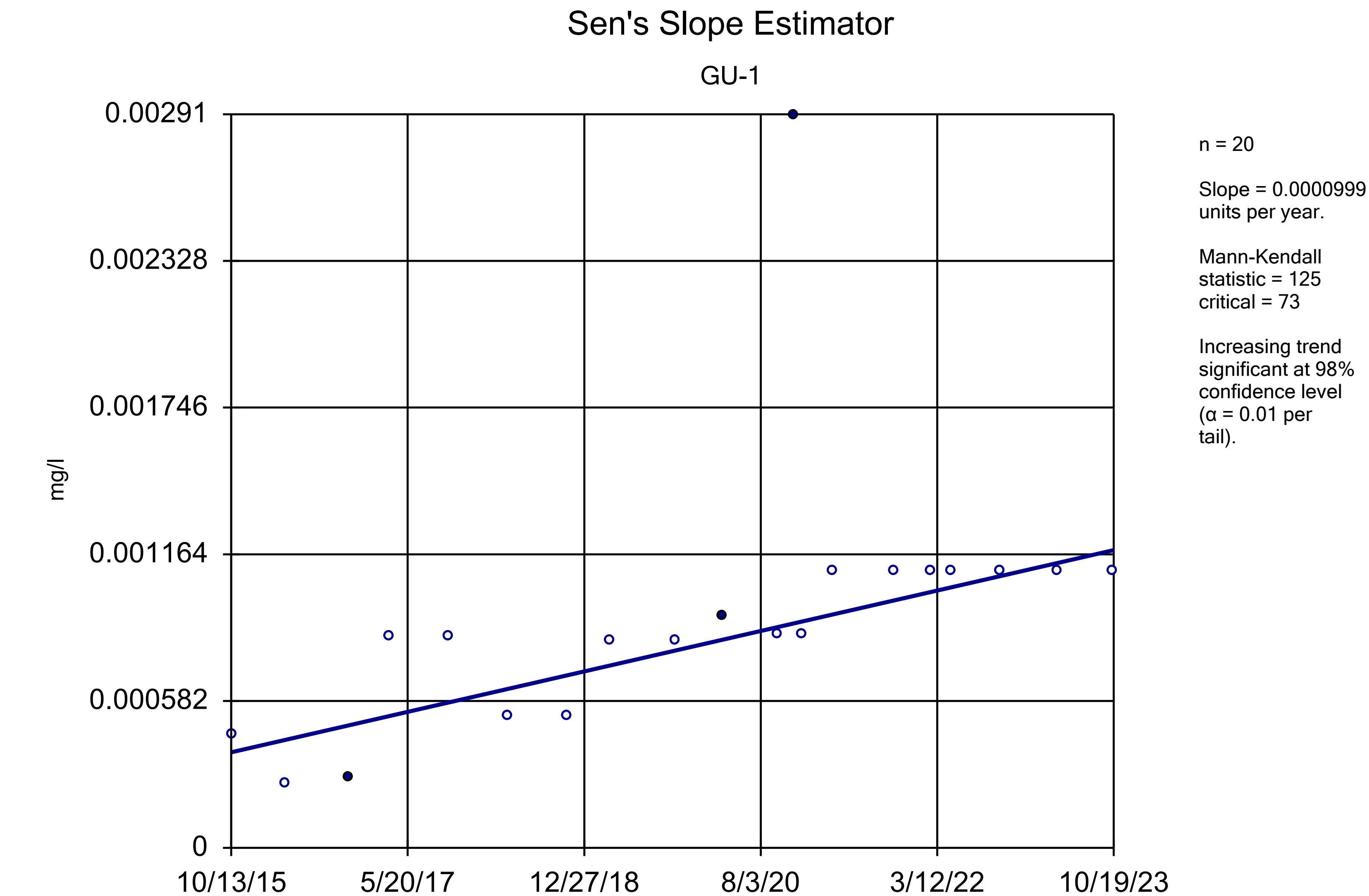

Constituent: Vanadium Analysis Run 11/20/2023 4:46 PM View: GU_App I Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

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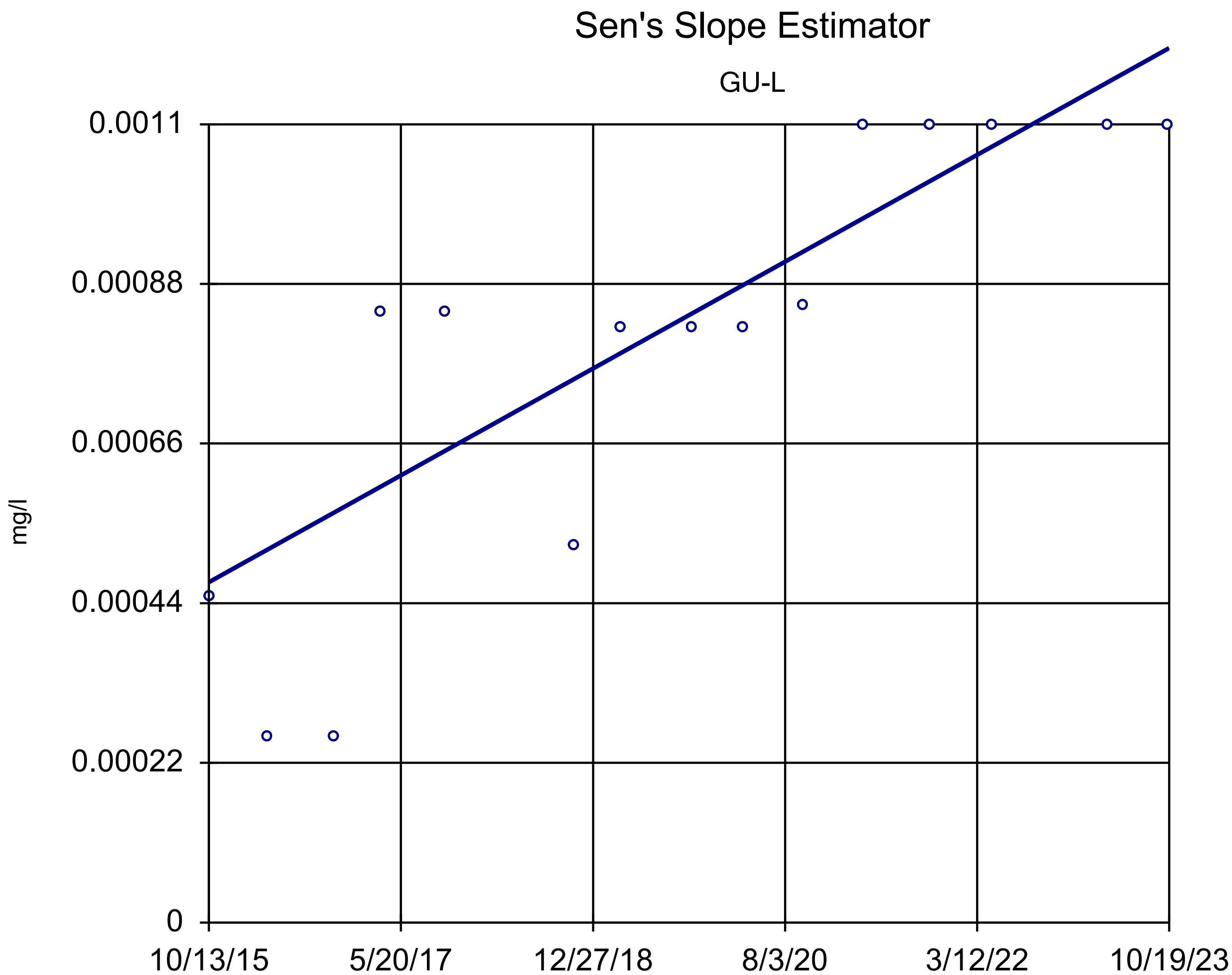
Hollow symbols indicate censored values.



n = 15

Slope = 0.00009174 units per year.

Mann-Kendall statistic = 70 critical = 48

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vanadium Analysis Run 11/20/2023 4:46 PM View: GU_App I Metals

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Trend Test

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/20/2023, 4:46 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Antimony (mg/l)	**GU-1**	**0.00009881**	**132**	**73**	**Yes**	**20**	**100**	**0.02**	**NP**
Antimony (mg/l)	**GU-L**	**0.00009993**	**99**	**58**	**Yes**	**17**	**82.35**	**0.02**	**NP**
Antimony (mg/l)	GU-O	0.00006174	9	20	No	8	100	0.02	NP
Antimony (mg/l)	GU-P	0.0001873	8	13	No	6	100	0.02	NP
Arsenic (mg/l)	GU-1	0.000506	32	78	No	21	0	0.02	NP
Arsenic (mg/l)	GU-L	0.00003318	21	63	No	18	38.89	0.02	NP
Arsenic (mg/l)	GU-O	-0.0004506	-20	-20	No	8	0	0.02	NP
Arsenic (mg/l)	GU-P	0.0006735	7	13	No	6	0	0.02	NP
Barium (mg/l)	GU-1	-0.04057	-47	-78	No	21	0	0.02	NP
Barium (mg/l)	GU-L	-0.0007099	-16	-58	No	17	0	0.02	NP
Barium (mg/l)	GU-O	0.01144	4	20	No	8	0	0.02	NP
Barium (mg/l)	GU-P	0.008129	6	13	No	6	0	0.02	NP
Beryllium (mg/l)	**GU-1**	**0.00001689**	**115**	**73**	**Yes**	**20**	**95**	**0.02**	**NP**
Beryllium (mg/l)	**GU-L**	**0.00001603**	**80**	**58**	**Yes**	**17**	**94.12**	**0.02**	**NP**
Beryllium (mg/l)	GU-O	0.00002035	17	20	No	8	100	0.02	NP
Beryllium (mg/l)	GU-P	0.00003626	8	13	No	6	100	0.02	NP
Cadmium (mg/l)	GU-1	0.00000...	72	73	No	20	100	0.02	NP
Cadmium (mg/l)	GU-L	0.00000...	48	53	No	16	100	0.02	NP
Cadmium (mg/l)	GU-O	0.00000981	14	20	No	8	87.5	0.02	NP
Cadmium (mg/l)	GU-P	0.00002719	7	13	No	6	83.33	0.02	NP
Chromium (mg/l)	**GU-1**	**0.00009518**	**117**	**73**	**Yes**	**20**	**65**	**0.02**	**NP**
Chromium (mg/l)	**GU-L**	**0.00007438**	**60**	**58**	**Yes**	**17**	**88.24**	**0.02**	**NP**
Chromium (mg/l)	GU-O	0	7	20	No	8	100	0.02	NP
Chromium (mg/l)	GU-P	0	-1	-13	No	6	83.33	0.02	NP
Cobalt (mg/l)	GU-1	0.00007712	26	78	No	21	0	0.02	NP
Cobalt (mg/l)	GU-L	0.0003348	58	63	No	18	5.556	0.02	NP
Cobalt (mg/l)	**GU-O**	**-0.0001824**	**-22**	**-20**	**Yes**	**8**	**12.5**	**0.02**	**NP**
Cobalt (mg/l)	**GU-P**	**-0.0004056**	**-15**	**-13**	**Yes**	**6**	**0**	**0.02**	**NP**
Copper (mg/l)	GU-1	0.00004022	24	68	No	19	84.21	0.02	NP
Copper (mg/l)	GU-L	0.00006713	23	58	No	17	82.35	0.02	NP
Copper (mg/l)	GU-O	0.0000378	14	20	No	8	87.5	0.02	NP
Copper (mg/l)	GU-P	0	0	13	No	6	100	0.02	NP
Lead (mg/l)	GU-1	0	7	68	No	19	78.95	0.02	NP
Lead (mg/l)	GU-L	0	5	53	No	16	93.75	0.02	NP
Lead (mg/l)	GU-O	0	-1	-20	No	8	100	0.02	NP
Lead (mg/l)	GU-P	0	-1	-13	No	6	83.33	0.02	NP
Nickel (mg/l)	**GU-1**	**-0.001913**	**-88**	**-78**	**Yes**	**21**	**0**	**0.02**	**NP**
Nickel (mg/l)	**GU-L**	**0.0005071**	**66**	**63**	**Yes**	**18**	**22.22**	**0.02**	**NP**
Nickel (mg/l)	GU-O	0	7	20	No	8	100	0.02	NP
Nickel (mg/l)	GU-P	0	-5	-13	No	6	83.33	0.02	NP
Selenium (mg/l)	GU-1	0.0000156	46	68	No	19	89.47	0.02	NP
Selenium (mg/l)	**GU-L**	**0.00004504**	**64**	**53**	**Yes**	**16**	**100**	**0.02**	**NP**
Selenium (mg/l)	GU-O	0.00001526	17	20	No	8	100	0.02	NP
Selenium (mg/l)	GU-P	0.0002659	7	13	No	6	83.33	0.02	NP
Silver (mg/l)	**GU-1**	**0.00004738**	**151**	**73**	**Yes**	**20**	**95**	**0.02**	**NP**
Silver (mg/l)	**GU-L**	**0.00005378**	**118**	**58**	**Yes**	**17**	**88.24**	**0.02**	**NP**
Silver (mg/l)	**GU-O**	**0.00001546**	**21**	**20**	**Yes**	**8**	**100**	**0.02**	**NP**
Silver (mg/l)	GU-P	0.00000...	8	13	No	6	100	0.02	NP
Thallium (mg/l)	**GU-1**	**0.0000303**	**85**	**73**	**Yes**	**20**	**90**	**0.02**	**NP**
Thallium (mg/l)	**GU-L**	**0.00003165**	**68**	**58**	**Yes**	**17**	**100**	**0.02**	**NP**

Trend Test

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 11/20/2023, 4:46 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Thallium (mg/l)	GU-O	0	7	20	No	8	100	0.02	NP
Thallium (mg/l)	GU-P	0	0	13	No	6	100	0.02	NP
Vanadium (mg/l)	**GU-1**	**0.0000999**	**125**	**73**	**Yes**	**20**	**85**	**0.02**	**NP**
Vanadium (mg/l)	**GU-L**	**0.00009174**	**70**	**48**	**Yes**	**15**	**100**	**0.02**	**NP**
Vanadium (mg/l)	GU-O	0	7	20	No	8	100	0.02	NP
Vanadium (mg/l)	GU-P	0	-1	-13	No	6	83.33	0.02	NP
Zinc (mg/l)	GU-1	0.0006911	73	73	No	20	60	0.02	NP
Zinc (mg/l)	GU-L	0	8	58	No	17	82.35	0.02	NP
Zinc (mg/l)	GU-O	0	-12	-20	No	8	100	0.02	NP
Zinc (mg/l)	GU-P	-0.002175	-8	-13	No	6	100	0.02	NP

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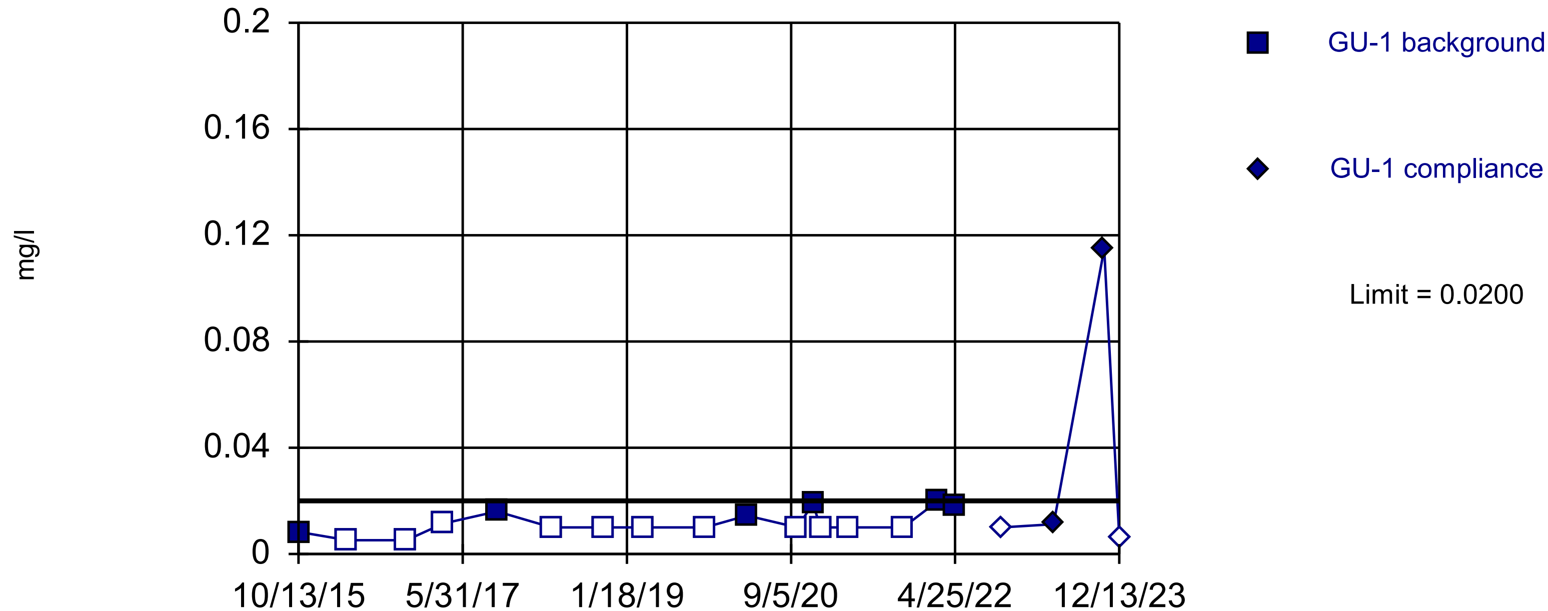
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Zinc Analysis Run 12/28/2023 11:14 AM View: GU_App I Metals
Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Prediction Limit

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 12/28/2023, 11:15 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/l)	GU-1	0.0200	12/13/2023	0.0064ND	No	17	n/a	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2

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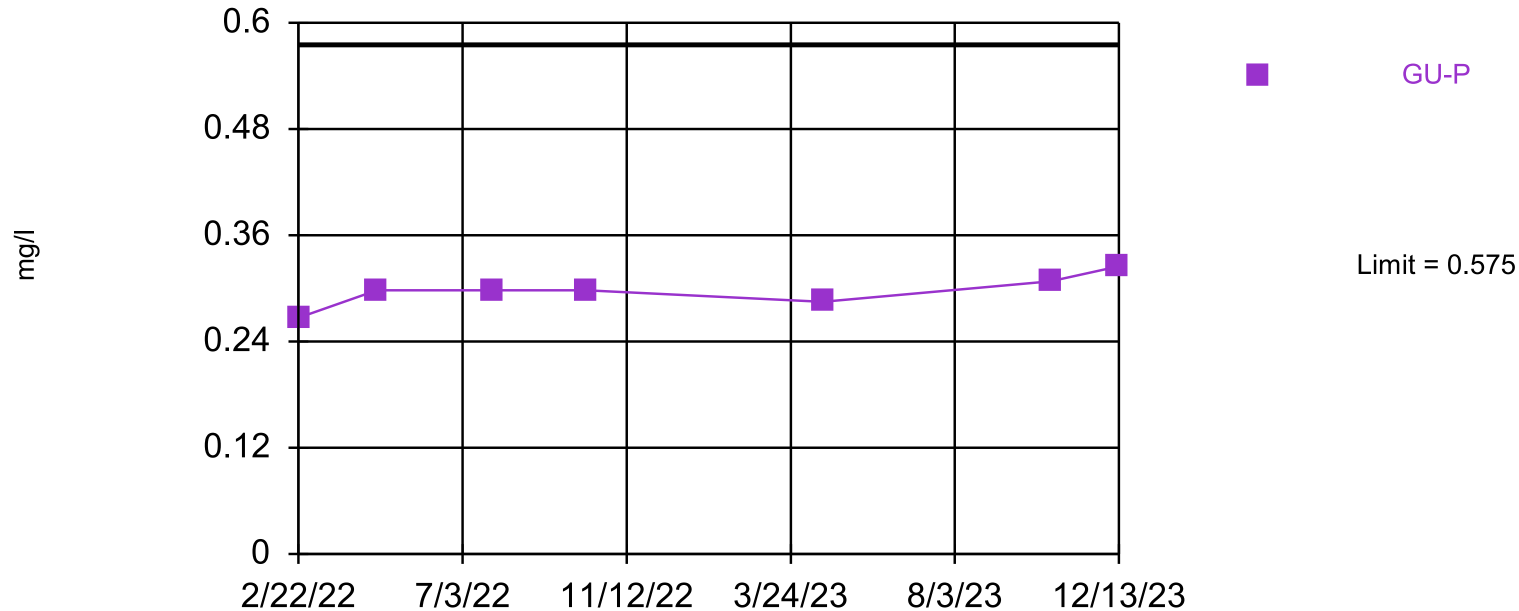
Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 31 background values. Annual per-constituent alpha = 0.0473. Individual comparison alpha = 0.001729 (1 of 2). Assumes 13 future values.

Constituent: Barium Analysis Run 12/28/2023 11:29 AM View: GU_App I Metals_GU-P

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Prediction Limit

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database Printed 12/28/2023, 11:30 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/l)	GU-P	0.575	12/13/2023	0.325	No	31	MW-201B,MW-9AR	n/a	n/a	0	n/a	n/a	0.001729	NP Inter (normality) ...

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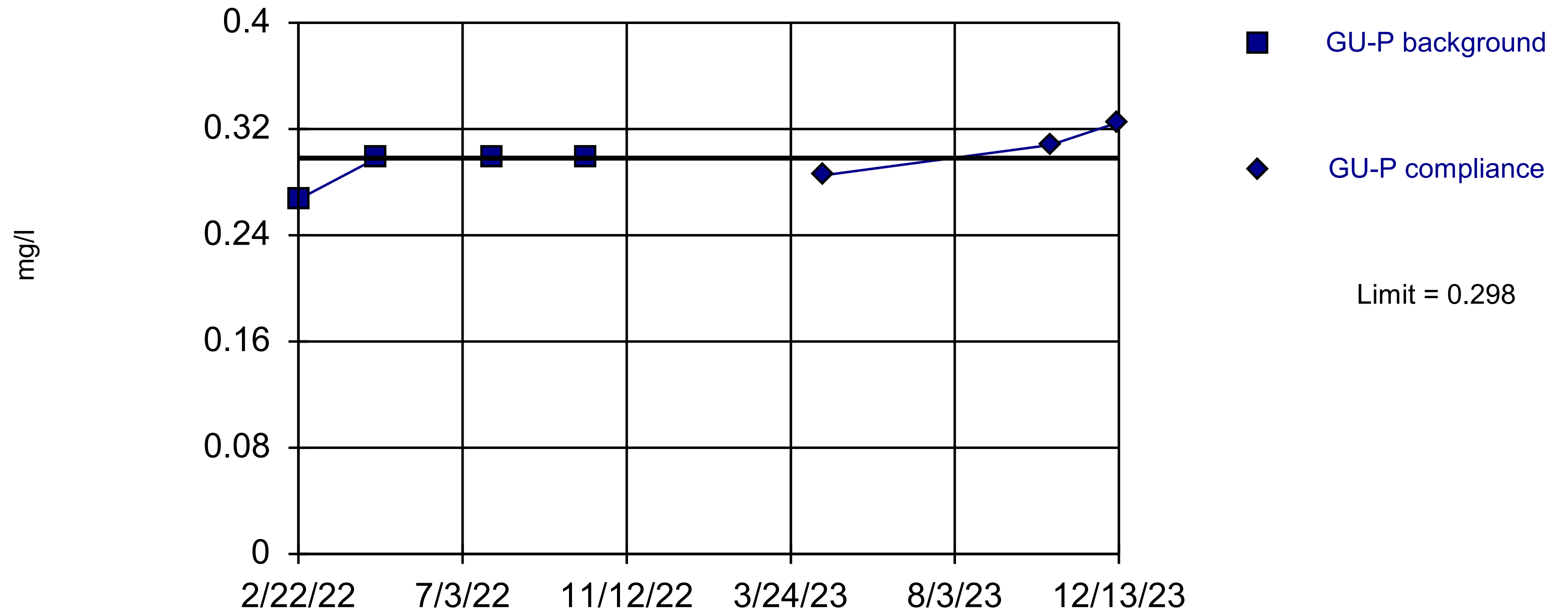
Exceeds Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 4 background values. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2).

Constituent: Barium Analysis Run 12/28/2023 11:23 AM View: GU_App I Metals_GU-P

Linn County Client: Linn County SWA Data: CRLCSWA_Groundwater Database

Prediction Limit

Linn County   Client: Linn County SWA   Data: CRLCSWA_Groundwater Database   Printed 12/28/2023, 11:24 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/l)	**GU-P**	**0.298**	**12/13/2023**	**0.325**	**Yes**	**4**	**n/a**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.06138**	**NP Intra (normality) ...**

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Attachment 3

Field Sampling Forms

Low Stress Groundwater Sampling Data Sheet

Facility Name: CRLCSWA SITE 2	Sampler Name(s): ANDY LEE & BRENDAN BUNKER
MW Identification: GU-L	Date/Time: 10/19 8:00
Sample Number:	PID Readings: N/A
Weather Conditions:	
Wellhead Inspection:	

Visual Inspection:

1. Survey Mark Present: Yes / No
2. Collision/Vandalism Damage: Yes / No
3. Casing Degradation: Yes / No
4. Well Subsidence: Yes / No
5. Standing/Ponded Water: Yes / No
6. Frost Heaving: Yes / No
7. Lock in Place: Yes / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])
2. Intake Depth (±0.01 ft.)
3. Bottom of casing (±0.01 ft.)
4. Casing Diameter (inches)
5. Actual Volume of Water Purged (mL)
6. Purge Water Characteristics:
   Odor ______ Turbidity ______
   Color ______
7. Purge Rate (mL/min)
8. Water Level Measuring Equip.
9. Purge Equipment Used
10. Dedicated? (Yes/No) Yes / No
11. Immiscible layer observed Yes / No
12. Thickness of immiscible layer
13. Drive Gas (Air/Nitrogen) AIR / NITROGEN / N/A

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
		15.3	1563	217.5	6.21	108.00	7.00		

1. Well evacuated to dryness? Yes / No
2. Sample Filtered? Yes / No
3. Sampling Equip. Used
4. Drive Gas (Air/Nitrogen) AIR /NITROGEN/ N/A
5. Sample Rate (mL/min)
6. Sample Appearance:
   Turbidity
   Color
   Odor
7. Time to recharge (min):
8. Sample Time:
9: Parameter/Container/Pres.
   See Attached COC
10. Other Information:
11. Decontamination Procedures:
   Alconox/DI Rinse
12. Instrument type: **YSI ProDSS**
   Calibration Date: **LAB**
   Calibration Time: **LAB**

	Stnd.	Reading	Adjust.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached Lab Form for Calibration Data

DUP-1 taken here @
10/18 11:00

Low Stress Groundwater Sampling Data Sheet

HDR

Facility Name: **CRLCSWA SITE 2**	Sampler Name(s): **ANDY LEE & BRENDAN BUNKER**
MW Identification: GW-[illegible]0	Date/Time: 10/19
Sample Number:	PID Readings: **N/A**
Weather Conditions:	
Wellhead Inspection:	

Visual Inspection:

1. Survey Mark Present:	Yes / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / No	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / No	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / No		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])		7. Purge Rate (mL/min)	
2. Intake Depth (±0.01 ft.)		8. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)		9. Purge Equipment Used	
4. Casing Diameter (inches)		10. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		11. Immiscible layer observed	Yes / No
6. Purge Water Characteristics:		12. Thickness of immiscible layer	
Odor	Turbidity	13. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (μs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
		17.2	1736	-77.7	3.25	80.84	6.92		

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):		11. Decontamination Procedures:	**Alconox/DI Rinse**
2. Sample Filtered?	Yes / No	8. Sample Time:		12. Instrument type: **YSI ProDSS**	
3. Sampling Equip. Used		9: Parameter/Container/Pres.	**See Attached COC**	Calibration Date:	**LAB**
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A			Calibration Time:	**LAB**
5. Sample Rate (mL/min)		10. Other Information:			
6. Sample Appearance:					
Turbidity					
Color					
Odor					

	Stnd.	Reading	Adjust.
pH			
Conduct.	**See attached Lab Form for Calibration Data**		
ORP			
D.O			
Turbidity			

D4PZ@

10/18 10:00am

Low Stress Groundwater Sampling Data Sheet

Facility Name: **CRLCSWA SITE 2**	Sampler Name(s): **ANDY LEE & BRENDAN BUNKER**
MW Identification: GU-P	Date/Time: 10/19
Sample Number:	PID Readings: **N/A**
Weather Conditions:	
Wellhead Inspection:	

Visual Inspection:

1. Survey Mark Present: Yes / No
2. Collision/Vandalism Damage: Yes / No
3. Casing Degradation: Yes / No
4. Well Subsidence: Yes / No
5. Standing/Ponded Water: Yes / No
6. Frost Heaving: Yes / No
7. Lock in Place: Yes / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) ______
2. Intake Depth (±0.01 ft.) ______
3. Bottom of casing (±0.01 ft.) ______
4. Casing Diameter (inches) ______
5. Actual Volume of Water Purged (mL) ______
6. Purge Water Characteristics:

Odor ______ Turbidity ______

Color ______

7. Purge Rate (mL/min) ______
8. Water Level Measuring Equip. ______
9. Purge Equipment Used ______
10. Dedicated? (Yes/No) Yes / No
11. Immiscible layer observed Yes / No
12. Thickness of immiscible layer ______
13. Drive Gas (Air/Nitrogen) AIR / NITROGEN / N/A

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
		13.8	1017	-44.4	6.77	37.45	7.27		

1. Well evacuated to dryness? Yes / No
2. Sample Filtered? Yes / No
3. Sampling Equip. Used ______
4. Drive Gas (Air/Nitrogen) AIR /NITROGEN/ N/A
5. Sample Rate (mL/min) ______
6. Sample Appearance: ______
   - Turbidity ______
   - Color ______
   - Odor ______

7. Time to recharge (min): ______
8. Sample Time: ______
9. Parameter/Container/Pres.

See Attached COC

10. Other Information: ______

11. Decontamination Procedures:

Alconox/DI Rinse

12. Instrument type: **YSI ProDSS**

Calibration Date: **LAB**

Calibration Time: **LAB**

	Stnd.	Reading	Adjust.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached Lab Form for Calibration Data

Low Stress Groundwater Sampling Data Sheet

HDR

Facility Name: **CRLCSWA SITE 2**
Sampler Name(s): **ANDY LEE & BRENDAN BUNKER**
MW Identification: GW-~~B~~ 1
Date/Time: 10/19
Sample Number:
PID Readings: **N/A**
Weather Conditions:
Wellhead Inspection:

Visual Inspection:

1. Survey Mark Present: Yes / No
2. Collision/Vandalism Damage: Yes / No
3. Casing Degradation: Yes / No
4. Well Subsidence: Yes / No
5. Standing/Ponded Water: Yes / No
6. Frost Heaving: Yes / No
7. Lock in Place: Yes / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])
2. Intake Depth (±0.01 ft.)
3. Bottom of casing (±0.01 ft.)
4. Casing Diameter (inches)
5. Actual Volume of Water Purged (mL)
6. Purge Water Characteristics:
   Odor
   Turbidity
   Color
7. Purge Rate (mL/min)
8. Water Level Measuring Equip.
9. Purge Equipment Used
10. Dedicated? (Yes/No) Yes / No
11. Immiscible layer observed Yes / No
12. Thickness of immiscible layer
13. Drive Gas (Air/Nitrogen) AIR / NITROGEN / N/A

Time	Volume Purged (mL)	Temp (˚C)	Conductivity (μs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
		16.0	2777	-83.2	50.6	48.23	7.02		

1. Well evacuated to dryness? Yes / No
2. Sample Filtered? Yes / No
3. Sampling Equip. Used
4. Drive Gas (Air/Nitrogen) AIR /NITROGEN/ N/A
5. Sample Rate (mL/min)
6. Sample Appearance:
   Turbidity
   Color
   Odor

7. Time to recharge (min):
8. Sample Time:
9: Parameter/Container/Pres.
   See Attached COC
10. Other Information:

11. Decontamination Procedures:
    Alconox/DI Rinse
12. Instrument type: **YSI ProDSS**
    Calibration Date: **LAB**
    Calibration Time: **LAB**

	Stnd.	Reading	Adjust.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached Lab Form for Calibration Data

Low Stress Groundwater Sampling Data Sheet

HDR

Facility Name: **CRLCSWA SITE 2** | Sampler Name(s): Andy Lee and Brendan Bunker
MW Identification: MW-9AR | Date/Time: 10/19 9:20
Sample Number: | PID Readings: **N/A**
Weather Conditions: 50°F overcast
Wellhead Inspection: no comment

Visual Inspection:

1. Survey Mark Present: Yes / No
2. Collision/Vandalism Damage: Yes / No
3. Casing Degradation: Yes / No
4. Well Subsidence: Yes / No
5. Standing/Ponded Water: Yes / No
6. Frost Heaving: Yes / No
7. Lock in Place: Yes / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 10.45
2. Intake Depth (±0.01 ft.) ~20
3. Bottom of casing (±0.01 ft.) 22.12
4. Casing Diameter (inches) 2"
5. Actual Volume of Water Purged (mL) 5400
6. Purge Water Characteristics:
   Odor none Turbidity slightly cloudy
   Color reddish-orange
7. Purge Rate (mL/min) 300
8. Water Level Measuring Equip. Solinst
9. Purge Equipment Used geotech peri.
10. Dedicated? (Yes/No) Yes / No
11. Immiscible layer observed Yes / No
12. Thickness of immiscible layer N/A
13. Drive Gas (Air/Nitrogen) AIR / NITROGEN / N/A

pump on: 9:30

Time	Volume Purged (mL)	Temp (°C)	Conductivity (μs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
9:33	900	14.1	7118	-59.4	0.73	100.33	6.48	10.66	
9:36	1800	14.3	7131	-68.9	0.21	120.90	6.53	10.74	
9:39	2700	14.4	7130	-75.5	0.05	139.66	6.55	10.81	
9:42	3600	14.6	7124	-77.3	0.02	100.83	6.55	10.84	
9:45	4500	14.4	7135	-80.0	0.00	92.51	6.56	10.89	

1. Well evacuated to dryness? Yes / No
2. Sample Filtered? Yes / No
3. Sampling Equip. Used geotech peri
4. Drive Gas (Air/Nitrogen) AIR/NITROGEN/N/A
5. Sample Rate (mL/min) 300
6. Sample Appearance:
   Turbidity slightly cloudy
   Color reddish-orange
   Odor none
7. Time to recharge (min): N/A
8. Sample Time: 9:48
9: Parameter/Container/Pres.
   See Attached COC
10. Other Information:
11. Decontamination Procedures:
    Alconox/DI Rinse
12. Instrument type: **YSI ProDSS**
    Calibration Date: **LAB**
    Calibration Time: **LAB**

	Stnd.	Reading	Adjust.
pH			
Conduct.	See attached Lab Form for Calibration Data		
ORP			
D.O			
Turbidity			

initial discharge reddish orange

1 Zinc acetate or sodium hydroxide
1 TSS
1 NA
3 VOA

Low Stress Groundwater Sampling Data Sheet

HDR

Facility Name: **CRLCSWA SITE 2**	Sampler Name(s): Andy Lee and Brendan Bunker
MW Identification: MW-15	Date/Time: 10/18 12:45
Sample Number:	PID Readings: **N/A**
Weather Conditions: 60°F overcast	
Wellhead Inspection: no comment	

Visual Inspection:

1. Survey Mark Present:	Yes / No	5. Standing/Ponded Water: (some water in casing)	Yes / No
2. Collision/Vandalism Damage:	Yes / No	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / No	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / No		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	10.88	7. Purge Rate (mL/min)	300
2. Intake Depth (±0.01 ft.)	~13	8. Water Level Measuring Equip.	solinst
3. Bottom of casing (±0.01 ft.)	20.51	9. Purge Equipment Used	geotech peri
4. Casing Diameter (inches)	2"	10. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	7200	11. Immiscible layer observed	Yes / No
6. Purge Water Characteristics:		12. Thickness of immiscible layer	N/A
Odor: none	Turbidity: slightly opaque then clear	13. Drive Gas (Air/Nitrogen)	~~AIR~~ / NITROGEN / N/A
Color: yellowish then clear			

pump start 12:53

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
12:56	900	13.9	758	45.3	1.62	4.93	7.08	11.65	
12:59	1800	13.7	752	26.9	0.40	7.26	7.03	11.75	
13:02	2700	13.8	822	32.0	0.23	5.72	6.91	11.91	
13:05	3600	13.7	866	28.5	0.11	4.40	6.86	12.00	
13:08	4500	13.6	945	19.9	0.02	3.83	6.79	12.09	
13:11	5400	13.6	1001	11.5	0.00	3.21	6.76	12.15	
13:14	6300	13.5	1046	3.8	0.00	2.91	6.74	12.20	

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	N/A	11. Decontamination Procedures:	**Alconox/DI Rinse**
2. Sample Filtered?	Yes / No	8. Sample Time:	13:17	12. Instrument type: **YSI ProDSS**	
3. Sampling Equip. Used	peri	9: Parameter/Container/Pres.	**See Attached COC**	Calibration Date:	**LAB**
4. Drive Gas (Air/Nitrogen)	~~AIR~~ / NITROGEN / N/A			Calibration Time:	**LAB**
5. Sample Rate (mL/min)	300			Stnd. / Reading / Adjust.	
6. Sample Appearance:		10. Other Information:		pH	**See attached Lab Form for Calibration Data**
Turbidity	none			Conduct.	
Color	clear			ORP	
Odor	none			D.O	
				Turbidity	

1 TSS (NP)
1 Nitric
3 HCl (VOA)

Low Stress Groundwater Sampling Data Sheet

Facility Name: **CRLCSWA SITE 2**	Sampler Name(s): **ANDY LEE & BRENDAN BUNKER**
MW Identification: MW-~~[illegible]~~ 18	Date/Time: 10/19/23 11:35
Sample Number: 10	PID Readings: **N/A**
Weather Conditions: cloudy	
Wellhead Inspection: NSH	

Visual Inspection:

1. Survey Mark Present: Yes / No
2. Collision/Vandalism Damage: Yes / No
3. Casing Degradation: Yes / No
4. Well Subsidence: Yes / No
5. Standing/Ponded Water: Yes / No
6. Frost Heaving: Yes / No
7. Lock in Place: Yes / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 10.93
2. Intake Depth (±0.01 ft.) ≈ 18'
3. Bottom of casing (±0.01 ft.) —
4. Casing Diameter (inches) 2"
5. Actual Volume of Water Purged (mL) 1,600
6. Purge Water Characteristics:

Odor none Turbidity none-low

Color clear

7. Purge Rate (mL/min) 400
8. Water Level Measuring Equip. GT WLM
9. Purge Equipment Used ~~[illegible]~~ Peristaltic
10. Dedicated? (Yes/No) Yes / No
11. Immiscible layer observed Yes / No
12. Thickness of immiscible layer NA
13. Drive Gas (Air/Nitrogen) AIR / NITROGEN / N/A

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
11:48	400	13.0	2224	167.0	1.54	4.04	6.92	10.99	
11:51	800	13.0	2509 ~~[illegible]~~	147.2	0.34	6.72	6.88	11.01	
11:52	1,200	13.2	2556	131.3	0.25	7.29	6.89	11.02	
11:55	1,600	13.2	2552	123.4	0.21	7.14	6.89	11.02	

1. Well evacuated to dryness? Yes / No
2. Sample Filtered? Yes / No
3. Sampling Equip. Used Peristaltic
4. Drive Gas (Air/Nitrogen) AIR / NITROGEN / N/A
5. Sample Rate (mL/min) 400
6. Sample Appearance:
   - Turbidity low-none
   - Color clear
   - Odor none

7. Time to recharge (min): NA
8. Sample Time: 11:57
9. Parameter/Container/Pres. **See Attached COC**
10. Other Information:

11. Decontamination Procedures: **Alconox/DI Rinse**
12. Instrument type: **YSI ProDSS**

Calibration Date: **LAB**

Calibration Time: **LAB**

	Stnd.	Reading	Adjust.
pH			
Conduct.	**See attached Lab Form for Calibration Data**		
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: CRLCSWA SITE 2	Sampler Name(s): Andy Lee and Brendan Bunker
MW Identification: MW-19	Date/Time: 10/18 17:12
Sample Number:	PID Readings: N/A
Weather Conditions: 60s sunny	
Wellhead Inspection: no comment	

Visual Inspection:

1. Survey Mark Present: Yes / No — Yes
2. Collision/Vandalism Damage: Yes / No — No
3. Casing Degradation: Yes / No — No
4. Well Subsidence: Yes / No — No
5. Standing/Ponded Water: Yes / No — No
6. Frost Heaving: Yes / No — No
7. Lock in Place: Yes / No — Yes

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]): 10.09
2. Intake Depth (±0.01 ft.): ~20'
3. Bottom of casing (±0.01 ft.):
4. Casing Diameter (inches): 2"
5. Actual Volume of Water Purged (mL): 4500
6. Purge Water Characteristics:
   Odor: none — Turbidity: clear
   Color: clear
7. Purge Rate (mL/min): 300
8. Water Level Measuring Equip.: Solinist 200'
9. Purge Equipment Used: GeoPump Peristaltic
10. Dedicated? (Yes/No): Yes / No — No
11. Immiscible layer observed: Yes / No — No
12. Thickness of immiscible layer: N/A
13. Drive Gas (Air/Nitrogen): AIR / NITROGEN / N/A — AIR

pump on: 17:18

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
17:20	900	12.7	1984	-34.7	0.48	47.31	6.60	10.42	
17:23	1800	12.7	1982	-26.5	0.18	14.80	6.60	10.44	
17:26	2700	12.8	1973	-23.5	0.03	12.07	6.59	10.46	
17:29	3600	13.0	1910	-22.1	0.00	9.10	6.58	10.47	

1. Well evacuated to dryness? Yes / No — No
2. Sample Filtered? Yes / No — No
3. Sampling Equip. Used: geotech peri
4. Drive Gas (Air/Nitrogen): AIR / NITROGEN / N/A — N/A
5. Sample Rate (mL/min): 300
6. Sample Appearance:
   Turbidity: none
   Color: clear
   Odor: none

7. Time to recharge (min): N/A
8. Sample Time: 17:32
9: Parameter/Container/Pres.: **See Attached COC**
10. Other Information:

11. Decontamination Procedures: **Alconox/DI Rinse**
12. Instrument type: **YSI ProDSS**
Calibration Date: **LAB**
Calibration Time: **LAB**

	Stnd.	Reading	Adjust.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached Lab Form for Calibration Data

Low Stress Groundwater Sampling Data Sheet

HDR

Facility Name: **CRLCSWA SITE 2**
Sampler Name(s): Andy Lee and Brendan Bunker
MW Identification: MW-20
Date/Time: 10/19 11:15
Sample Number:
PID Readings: **N/A**
Weather Conditions: 48°F overcast
Wellhead Inspection: no comment

Visual Inspection:

1. Survey Mark Present: Yes / ~~No~~ (Yes)
2. Collision/Vandalism Damage: Yes / No (No)
3. Casing Degradation: Yes / No (No)
4. Well Subsidence: Yes / No (No)
5. Standing/Ponded Water: Yes / No (Yes) water in casing
6. Frost Heaving: Yes / No (No)
7. Lock in Place: Yes / No (Yes)

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]): 13.09
2. Intake Depth (±0.01 ft.): ~20
3. Bottom of casing (±0.01 ft.): 23.00
4. Casing Diameter (inches): 2"
5. Actual Volume of Water Purged (mL): 5400
6. Purge Water Characteristics:
   Odor: slight organic
   Turbidity: none
   Color: clear
7. Purge Rate (mL/min): 300
8. Water Level Measuring Equip.: solinst
9. Purge Equipment Used: geotech peri
10. Dedicated? (Yes/No): Yes / No (No)
11. Immiscible layer observed: Yes / No (No)
12. Thickness of immiscible layer: N/A
13. Drive Gas (Air/Nitrogen): AIR / NITROGEN / N/A (N/A)

pump on: 11:29

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
11:32	900	14.0	3178	-110.3	0.28	7.13	6.85	13.25	
11:35	1800	14.1	3095	-115.5	0.05	10.23	6.84	13.31	
11:38	2700	14.5	3079	-119.3	0.00	24.09	6.83	13.33	
11:41	3600	14.7	3140	-119.8	0.00	32.99	6.81	13.31	
11:44	4500	14.9	3172	-121.3	0.00	45.39	6.78	13.31	

1. Well evacuated to dryness? Yes / No (No)
2. Sample Filtered? Yes / No (No)
3. Sampling Equip. Used: geotech peri.
4. Drive Gas (Air/Nitrogen): AIR / NITROGEN / N/A (N/A)
5. Sample Rate (mL/min): 300
6. Sample Appearance:
   Turbidity: none
   Color: clear
   Odor: slight organic
7. Time to recharge (min): N/A
8. Sample Time: 11:47
9. Parameter/Container/Pres.: **See Attached COC**
10. Other Information:
11. Decontamination Procedures: **Alconox/DI Rinse**
12. Instrument type: **YSI ProDSS**
Calibration Date: **LAB**
Calibration Time: **LAB**

	Stnd.	Reading	Adjust.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached Lab Form for Calibration Data

Low Stress Groundwater Sampling Data Sheet

Facility Name: **CRLCSWA SITE 2**	Sampler Name(s): Andy Lee and Brendan Bunker
MW Identification: MW-22	Date/Time: 10/19 10:20
Sample Number:	PID Readings: N/A
Weather Conditions: 50°F overcast	
Wellhead Inspection: no comment	

Visual Inspection:

1. Survey Mark Present:	Yes / No (Yes circled)	5. Standing/Ponded Water:	Yes / No (No circled)
2. Collision/Vandalism Damage:	Yes / No (No circled)	6. Frost Heaving:	Yes / No (No circled)
3. Casing Degradation:	Yes / No (No circled)	7. Lock in Place:	Yes / No (No circled)
4. Well Subsidence:	Yes / No (No circled)		in-ground

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	4.45	7. Purge Rate (mL/min)	300
2. Intake Depth (±0.01 ft.)	~15	8. Water Level Measuring Equip.	solinst
3. Bottom of casing (±0.01 ft.)	16.26	9. Purge Equipment Used	geotech peri
4. Casing Diameter (inches)	2"	10. Dedicated? (Yes/No)	Yes / No (No circled)
5. Actual Volume of Water Purged (mL)	5400	11. Immiscible layer observed	Yes / No (No circled)
6. Purge Water Characteristics:		12. Thickness of immiscible layer	N/A
Odor: slight organic	Turbidity: none	13. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A (N/A circled)
Color: clear			

pump on: 10:24

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
10:27	900	13.5	3228	-96.1	0.89	3.38	6.91	4.74	
10:30	1800	13.7	3205	-102.0	0.32	2.83	6.88	4.84	
10:33	2700	13.8	3202	-106.8	0.14	2.91	6.87	5.05	
10:36	3600	13.5	3229	-111.8	0.00	2.66	6.87	6.03	
10:39	4500	13.9	3198	-112.9	0.00	2.55	6.86	6.35	

1. Well evacuated to dryness? Yes / No (No circled)
2. Sample Filtered? Yes / No (No circled)
3. Sampling Equip. Used: geotech peri
4. Drive Gas (Air/Nitrogen): AIR / NITROGEN / N/A (N/A circled)
5. Sample Rate (mL/min): 300
6. Sample Appearance:
   - Turbidity: none
   - Color: clear
   - Odor: none

7. Time to recharge (min): N/A
8. Sample Time: 10:42
9. Parameter/Container/Pres.: **See Attached COC**
10. Other Information:

11. Decontamination Procedures: **Alconox/DI Rinse**
12. Instrument type: **YSI ProDSS**

Calibration Date: **LAB**

Calibration Time: **LAB**

	Stnd.	Reading	Adjust.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached Lab Form for Calibration Data

I TSS (NP)
I NA
II Amber (NP) (1L)
II Amber (NP) (250mL)
III VOA

Low Stress Groundwater Sampling Data Sheet

Facility Name: **CRLCSWA SITE 2**	Sampler Name(s): Andy Lee and Brendan Bunker
MW Identification: MW-24	Date/Time: 10/18 14:45
Sample Number:	PID Readings: **N/A**
Weather Conditions: 60°F cloudy	
Wellhead Inspection: no comment	

Visual Inspection:

1. Survey Mark Present:	Yes / No (No circled)	5. Standing/Ponded Water:	Yes / No (No circled)
2. Collision/Vandalism Damage:	Yes / No (No circled)	6. Frost Heaving:	Yes / No (No circled)
3. Casing Degradation:	Yes / No (No circled)	7. Lock in Place:	Yes / No (Yes circled)
4. Well Subsidence:	Yes / No (No circled)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	12.14	7. Purge Rate (mL/min)	300
2. Intake Depth (±0.01 ft.)	~12.5	8. Water Level Measuring Equip.	solinst
3. Bottom of casing (±0.01 ft.)	12.88	9. Purge Equipment Used	geotech peri.
4. Casing Diameter (inches)	2"	10. Dedicated? (Yes/No)	Yes / No (No circled)
5. Actual Volume of Water Purged (mL)	~~4500~~ 5700	11. Immiscible layer observed	Yes / No (No circled)
6. Purge Water Characteristics:		12. Thickness of immiscible layer	N/A
Odor: none	Turbidity: cloudy then clear	13. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A (N/A circled)
Color: grey then clear			

pump start: 14:51

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
14:54	900	15.7	2218	-5.3	2.19	38.61	6.68	12.31	
14:57	1800	15.5	2217	30.4	0.58	23.49	6.66	12.32	
15:00	2700	15.4	2234	54.3	0.30	1.97	6.66	12.32	
15:03	3600	15.4	2236	65.0	0.20	1.36	6.67	12.32	
15:06	4500	15.4	2238	71.0	0.16	1.30	6.67	12.32	

1. Well evacuated to dryness? Yes / No (No circled)
2. Sample Filtered? Yes / No (No circled)
3. Sampling Equip. Used: geotech peri.
4. Drive Gas (Air/Nitrogen): AIR / NITROGEN / N/A (N/A circled)
5. Sample Rate (mL/min): 300
6. Sample Appearance:
   - Turbidity: none
   - Color: none/clear
   - Odor: none

7. Time to recharge (min): N/A
8. Sample Time: 15:10
9: Parameter/Container/Pres.: **See Attached COC**
10. Other Information:

11. Decontamination Procedures: **Alconox/DI Rinse**
12. Instrument type: **YSI ProDSS**

Calibration Date: **LAB**
Calibration Time: **LAB**

	Stnd.	Reading	Adjust.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached Lab Form for Calibration Data

1 TSS (NP)
1 Nitric
3 VOA

Low Stress Groundwater Sampling Data Sheet

HDR

Facility Name: CRLCSWA SITE 2
MW Identification: MW-26A
Sample Number: 8
Weather Conditions: cloudy
Wellhead Inspection: rusty

Sampler Name(s): ANDY LEE & BRENDAN BUNKER
Date/Time: 10/19/23 10:40
PID Readings: N/A

Visual Inspection:

1. Survey Mark Present: Yes / No
2. Collision/Vandalism Damage: Yes / No
3. Casing Degradation: Yes / No
4. Well Subsidence: Yes / No
5. Standing/Ponded Water: Yes / No
6. Frost Heaving: Yes / No
7. Lock in Place: Yes / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 19.88
2. Intake Depth (±0.01 ft.)
3. Bottom of casing (±0.01 ft.) 20.07
4. Casing Diameter (inches)
5. Actual Volume of Water Purged (mL)
6. Purge Water Characteristics:

Odor
Turbidity
Color

7. Purge Rate (mL/min)
8. Water Level Measuring Equip.
9. Purge Equipment Used
10. Dedicated? (Yes/No) Yes / No
11. Immiscible layer observed Yes / No
12. Thickness of immiscible layer
13. Drive Gas (Air/Nitrogen) AIR / NITROGEN / N/A

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
10:42									
10:45			too dry to						
10:48			sample						

1. Well evacuated to dryness? Yes / No
2. Sample Filtered? Yes / No
3. Sampling Equip. Used
4. Drive Gas (Air/Nitrogen) AIR / NITROGEN / N/A
5. Sample Rate (mL/min)
6. Sample Appearance:

Turbidity
Color
Odor

7. Time to recharge (min):
8. Sample Time:
9: Parameter/Container/Pres.

See Attached COC

10. Other Information:

11. Decontamination Procedures:

Alconox/DI Rinse

12. Instrument type: **YSI ProDSS**

Calibration Date: **LAB**
Calibration Time: **LAB**

	Stnd.	Reading	Adjust.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached Lab Form for Calibration Data

Low Stress Groundwater Sampling Data Sheet

Facility Name: CRLCSWA SITE 2	Sampler Name(s): Andy Lee and Brendan Bunker
MW Identification: MW-29	Date/Time: 10/18 13:36
Sample Number:	PID Readings: N/A
Weather Conditions: 58°F cloudy	
Wellhead Inspection: no comment	

Visual Inspection:

1. Survey Mark Present:	Yes / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / No	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / No	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / No		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet (ft.))	10.08	7. Purge Rate (mL/min)	300
2. Intake Depth (±0.01 ft.)	~12	8. Water Level Measuring Equip.	solinst
3. Bottom of casing (±0.01 ft.)	17.33	9. Purge Equipment Used	geotech peri
4. Casing Diameter (inches)	2"	10. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	~~4500~~ 5700	11. Immiscible layer observed	Yes / No
6. Purge Water Characteristics:		12. Thickness of immiscible layer	N/A
Odor: none	Turbidity: slightly cloudy then clear	13. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: orange then clear			

pump start: 13:41

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
13:44	900	13.4	1054	-41.5	0.49	2.90	6.70	10.19	
13:47	1800	13.4	1054	-46.4	0.14	5.05	6.71	10.20	
13:50	2700	13.5	1055	-51.2	0.00	14.91	6.71	10.20	
13:53	3600	13.5	1059	-55.9	0.00	21.28	6.71	10.20	
13:56	4500	13.5	1058	-57.5	0.00	17.94	6.71	10.20	

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	N/A	11. Decontamination Procedures:	Alconox/DI Rinse
2. Sample Filtered?	Yes / No	8. Sample Time:	14:00	12. Instrument type: YSI ProDSS	
3. Sampling Equip. Used	geotech peri.	9: Parameter/Container/Pres.	See Attached COC	Calibration Date:	LAB
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A			Calibration Time:	LAB
5. Sample Rate (mL/min)	300				Stnd. Reading Adjust.
6. Sample Appearance:		10. Other Information:		pH	See attached Lab Form for Calibration Data
Turbidity	clear			Conduct.	
Color	clear			ORP	
Odor	none			D.O	
				Turbidity	

initial discharge – some orange + Fe floc

1 TSS (NP)
1 Nitric
3 VOA

Low Stress Groundwater Sampling Data Sheet

HDR

Facility Name: **CRLCSWA SITE 2**
MW Identification: ~~[illegible]~~ MW 30
Sample Number: 2
Weather Conditions: cloudy
Wellhead Inspection: no comment

Sampler Name(s): **ANDY LEE & BRENDAN BUNKER**
Date/Time: 10/18/23 13:45
PID Readings: **N/A**

Visual Inspection:

1. Survey Mark Present: Yes / No — Yes
2. Collision/Vandalism Damage: Yes / No — No
3. Casing Degradation: Yes / No — No
4. Well Subsidence: Yes / No — No
5. Standing/Ponded Water: Yes / No — No
6. Frost Heaving: Yes / No — No
7. Lock in Place: Yes / No — Yes

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]): 10.12
2. Intake Depth (±0.01 ft.): ~~[illegible]~~ 16
3. Bottom of casing (±0.01 ft.): –
4. Casing Diameter (inches): 2"
5. Actual Volume of Water Purged (mL): 1,500
6. Purge Water Characteristics:
   Odor: none — Turbidity: some
   Color: clear-lt brown
7. Purge Rate (mL/min): 300
8. Water Level Measuring Equip.: GT WLM
9. Purge Equipment Used: GC Pro (Bladder)
10. Dedicated? (Yes/No): Yes / No — No
11. Immiscible layer observed: Yes / No — No
12. Thickness of immiscible layer: N/A
13. Drive Gas (Air/Nitrogen): AIR / NITROGEN / N/A — AIR

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
14:02	300	13.5	1259	-29.4	1.25	158.64	7.05	10.16	
14:05	600	13.6	1246	-32.5	0.54	84.26	7.03	10.17	
14:08	900	13.6	1221	-34.1	0.19	41.17	7.02	10.18	
14:11	1,200	13.5	1203	-35.9	0.16	45.64	7.02	10.18	
14:14	1,500	13.5	1198	-36.7	0.11	47.18	7.01	10.18	

1. Well evacuated to dryness? Yes / No — No
2. Sample Filtered? Yes / No — No
3. Sampling Equip. Used: Bladder
4. Drive Gas (Air/Nitrogen): AIR / NITROGEN/ N/A — AIR
5. Sample Rate (mL/min): 300
6. Sample Appearance:
   Turbidity: low-some
   Color: ~~[illegible]~~ clear-lt brown
   Odor: none
7. Time to recharge (min): N/A
8. Sample Time: 14:15
9: Parameter/Container/Pres.: **See Attached COC**
10. Other Information:
11. Decontamination Procedures: **Alconox/DI Rinse**
12. Instrument type: **YSI ProDSS**
Calibration Date: **LAB**
Calibration Time: **LAB**

	Stnd.	Reading	Adjust.
pH			
Conduct.	**See attached Lab Form for Calibration Data**		
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: **CRLCSWA SITE 2**	Sampler Name(s): **ANDY LEE & BRENDAN BUNKER**
MW Identification: 201B	Date/Time: 10/19/23 9:10
Sample Number: 6	PID Readings: **N/A**
Weather Conditions: cloudy	
Wellhead Inspection: rusty	

Visual Inspection:

1. Survey Mark Present: Yes / No — Yes
2. Collision/Vandalism Damage: Yes / No — No
3. Casing Degradation: Yes / No — No
4. Well Subsidence: Yes / No — No
5. Standing/Ponded Water: Yes / No — No
6. Frost Heaving: Yes / No — No
7. Lock in Place: Yes / No — Yes

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 26.31
2. Intake Depth (±0.01 ft.)
3. Bottom of casing (±0.01 ft.) —
4. Casing Diameter (inches) 2"
5. Actual Volume of Water Purged (mL) 1,200
6. Purge Water Characteristics:
   Odor none Turbidity none
   Color clear
7. Purge Rate (mL/min) 300
8. Water Level Measuring Equip. GT WLM
9. Purge Equipment Used Bladder
10. Dedicated? (Yes/No) Yes / No — No
11. Immiscible layer observed Yes / No — No
12. Thickness of immiscible layer N/A
13. Drive Gas (Air/Nitrogen) AIR / NITROGEN / N/A — AIR

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
9:25	300	10.8	656	108.3		3.83	7.56	26.41	
9:28	600	10.7	613	144.9		2.19	7.55	26.43	
9:31	900	10.7	611	156.1		4.74	7.55	26.44	
9:34	1,200	10.7	610	159.0		4.43	7.55	26.44	

1. Well evacuated to dryness? Yes / No — No
2. Sample Filtered? Yes / No — No
3. Sampling Equip. Used Bladder
4. Drive Gas (Air/Nitrogen) AIR/NITROGEN/ N/A — AIR
5. Sample Rate (mL/min) 300
6. Sample Appearance:
   Turbidity none
   Color clear
   Odor none

7. Time to recharge (min): N/A
8. Sample Time: 9:35
9: Parameter/Container/Pres.
   See Attached COC
10. Other Information:

11. Decontamination Procedures:
    Alconox/DI Rinse
12. Instrument type: **YSI ProDSS**
    Calibration Date: **LAB**
    Calibration Time: **LAB**

	Stnd.	Reading	Adjust.
pH			
Conduct.	**See attached Lab Form for Calibration Data**		
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

HDR	Facility Name: **CRLCSWA SITE 2**	Sampler Name(s): **ANDY LEE & BRENDAN BUNKER**
	MW Identification: MW-300	Date/Time: 10/18/23 1550
	Sample Number: 5	PID Readings: **N/A**
	Weather Conditions: cloudy	
	Wellhead Inspection: no comment	

Visual Inspection:

1. Survey Mark Present: Yes / No — Yes
2. Collision/Vandalism Damage: Yes / No — No
3. Casing Degradation: Yes / No — No
4. Well Subsidence: Yes / No — No
5. Standing/Ponded Water: Yes / No — No
6. Frost Heaving: Yes / No — No
7. Lock in Place: Yes / No — Yes

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 9.85
2. Intake Depth (±0.01 ft.) 215
3. Bottom of casing (±0.01 ft.) –
4. Casing Diameter (inches) 2"
5. Actual Volume of Water Purged (mL) 1,200
6. Purge Water Characteristics:

Odor none Turbidity none-low

Color clear-lt brown

7. Purge Rate (mL/min) 300
8. Water Level Measuring Equip. ET WLM
9. Purge Equipment Used GC Pro (Bladder)
10. Dedicated? (Yes/No) Yes / No — No
11. Immiscible layer observed Yes / No — No
12. Thickness of immiscible layer NA
13. Drive Gas (Air/Nitrogen) AIR / NITROGEN / N/A — AIR

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
16:10	300	14.1	699	103.6	1.26	4.21	6.77	9.93	
16:13	600	14.2	713	107.2	0.25	5.27	6.75	9.94	
16:16	900	14.0	739	109.6	0.11	4.86	6.74	9.95	
16:19	1,200	14.0	742	112.4	0.01	2.18	6.74	9.95	

1. Well evacuated to dryness? Yes / No — No
2. Sample Filtered? Yes / No — No
3. Sampling Equip. Used Bladder
4. Drive Gas (Air/Nitrogen) AIR / NITROGEN/ N/A — AIR
5. Sample Rate (mL/min) 300
6. Sample Appearance:

Turbidity none-low

Color clear-lt brown

Odor none

small FE flecks

7. Time to recharge (min): NA
8. Sample Time: 16:20
9. Parameter/Container/Pres.

See Attached COC

10. Other Information:

11. Decontamination Procedures:

Alconox/DI Rinse

12. Instrument type: **YSI ProDSS**

Calibration Date: **LAB**

Calibration Time: **LAB**

	Stnd.	Reading	Adjust.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached Lab Form for Calibration Data

Low Stress Groundwater Sampling Data Sheet

HDR

Facility Name: **CRLCSWA SITE 2**	Sampler Name(s): Andy Lee and Brendan Bunker
MW Identification: MW-301	Date/Time: 10/19 12:03
Sample Number:	PID Readings: **N/A**
Weather Conditions: 50s overcast	
Wellhead Inspection: no comment	

Visual Inspection:

1. Survey Mark Present: Yes / No — Yes
2. Collision/Vandalism Damage: Yes / No — No
3. Casing Degradation: Yes / No — No
4. Well Subsidence: Yes / No — No
5. Standing/Ponded Water: Yes / No — No
6. Frost Heaving: Yes / No — No
7. Lock in Place: Yes / No — Yes

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 14.09
2. Intake Depth (±0.01 ft.) ~20
3. Bottom of casing (±0.01 ft.) 20.33
4. Casing Diameter (inches) 2"
5. Actual Volume of Water Purged (mL) 6300
6. Purge Water Characteristics:
   Odor slight organic Turbidity cloudy
   Color orange/red then clear/grey
7. Purge Rate (mL/min) 300
8. Water Level Measuring Equip. solinst
9. Purge Equipment Used geotech peri.
10. Dedicated? (Yes/No) Yes / No — No
11. Immiscible layer observed Yes / No — No
12. Thickness of immiscible layer N/A
13. Drive Gas (Air/Nitrogen) AIR / NITROGEN / N/A — N/A

pump on: 12:10

Time	Volume Purged (mL)	Temp (°C)	Conductivity (μs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
12:13	900	12.7	2447	-68.7	0.45	466.62	6.58	14.54	
12:16	1800	12.8	2442	-72.3	0.10	497.38	6.58	14.67	
12:19	2700	12.8	1879	-62.8	0.00	296.61	6.55	14.92	
12:22	3600	12.9	1733	-58.5	0.00	159.91	6.55	15.01	
12:25	4500	12.9	1495	-57.2	0.00	147.79	6.59	15.17	
12:28	5400	12.9	1488	-57.0	0.00	107.00	6.59	15.31	

1. Well evacuated to dryness? Yes / No — No
2. Sample Filtered? Yes / No — No
3. Sampling Equip. Used geotech peri.
4. Drive Gas (Air/Nitrogen) AIR / NITROGEN / N/A — N/A
5. Sample Rate (mL/min) 300
6. Sample Appearance:
   Turbidity cloudy
   Color greyish/orange
   Odor slight organic

7. Time to recharge (min): N/A
8. Sample Time: 12:31
9. Parameter/Container/Pres.
   See Attached COC
10. Other Information:

11. Decontamination Procedures:
    Alconox/DI Rinse
12. Instrument type: **YSI ProDSS**
    Calibration Date: **LAB**
    Calibration Time: **LAB**

	Stnd.	Reading	Adjust.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached Lab Form for Calibration Data

Initial discharge: reddish orange

Low Stress Groundwater Sampling Data Sheet

HDR

Facility Name: **CRLCSWA SITE 2**	Sampler Name(s): **ANDY LEE & BRENDAN BUNKER**
MW Identification: ~~MW~~ 302R	Date/Time: 10/18/23 15:00
Sample Number: 4	PID Readings: **N/A**
Weather Conditions: cloudy	
Wellhead Inspection: no comment	

Visual Inspection:

1. Survey Mark Present: Yes / No — Yes
2. Collision/Vandalism Damage: Yes / No — No
3. Casing Degradation: Yes / No — No
4. Well Subsidence: Yes / No — No
5. Standing/Ponded Water: Yes / No — No
6. Frost Heaving: Yes / No — No
7. Lock in Place: Yes / No — Yes

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]): 6.15
2. Intake Depth (±0.01 ft.): 21.5'
3. Bottom of casing (±0.01 ft.): –
4. Casing Diameter (inches): 2"
5. Actual Volume of Water Purged (mL): 1,200
6. Purge Water Characteristics:
   - Odor: none
   - Color: clear
   - Turbidity: none
7. Purge Rate (mL/min): 300
8. Water Level Measuring Equip.: ST WLM
9. Purge Equipment Used: EC Pro (Bladder)
10. Dedicated? (Yes/No): Yes / No — No
11. Immiscible layer observed: Yes / No — No
12. Thickness of immiscible layer: N/A
13. Drive Gas (Air/Nitrogen): AIR / NITROGEN / N/A — AIR

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
15:15	300	16.4	586	81.4	1.99	4.98	7.88	6.26	
15:18	600	16.5	584	89.6	1.84	5.71	7.88	6.27	
15:21	900	15.5	~~8~~541	91.7	1.74	4.32	7.87	6.27	
15:24	1,200	16.5	537	98.6	1.66	6.76	7.89	6.28	

1. Well evacuated to dryness? Yes / No — No
2. Sample Filtered? Yes / No — No
3. Sampling Equip. Used: Bladder
4. Drive Gas (Air/Nitrogen): AIR / NITROGEN / N/A — AIR
5. Sample Rate (mL/min): 300
6. Sample Appearance:
   - Turbidity: none-low
   - Color: clear
   - Odor: none
7. Time to recharge (min): N/A
8. Sample Time: 15:25
9. Parameter/Container/Pres.: **See Attached COC**
10. Other Information:
11. Decontamination Procedures: **Alconox/DI Rinse**
12. Instrument type: **YSI ProDSS**

Calibration Date: **LAB**

Calibration Time: **LAB**

	Stnd.	Reading	Adjust.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached Lab Form for Calibration Data

Low Stress Groundwater Sampling Data Sheet

HDR	Facility Name: CRLCSWA SITE 2	Sampler Name(s): ANDY LEE & BRENDAN BUNKER
	MW Identification: MW-303	Date/Time: 10/19/23 12:20
	Sample Number: 11	PID Readings: N/A
	Weather Conditions: cloudy	
	Wellhead Inspection: Needs replacing Lock (rusty)	

Visual Inspection:

1. Survey Mark Present: Yes / No — Yes
2. Collision/Vandalism Damage: Yes / No — No
3. Casing Degradation: Yes / No — No
4. Well Subsidence: Yes / No — No
5. Standing/Ponded Water: Yes / No — No
6. Frost Heaving: Yes / No — No
7. Lock in Place: Yes / No — Yes

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 19.34
2. Intake Depth (±0.01 ft.) 20.5'
3. Bottom of casing (±0.01 ft.)
4. Casing Diameter (inches) 2"
5. Actual Volume of Water Purged (mL) 1,200
6. Purge Water Characteristics:
   Odor none Turbidity none-low
   Color clear
7. Purge Rate (mL/min) 300
8. Water Level Measuring Equip. GT WLM
9. Purge Equipment Used ~~a~~ Peristaltic
10. Dedicated? (Yes/No) Yes / No — No
11. Immiscible layer observed Yes / No — No
12. Thickness of immiscible layer N/A
13. Drive Gas (Air/Nitrogen) AIR / NITROGEN / N/A — AIR

Time	Volume Purged (mL)	Temp (˚C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
12:31	300	13.8	2092	-7.9	2.63	22.33	6.74	19.37	
12:34	600	12.9	1976	19.9	0.60	1.94	6.73	19.39	
12:37	900	13.0	1988	47.7	0.55	4.63	6.74	19.42	
12:40	1,200	13.0	1992	49.3	0.49	3.26	6.74	19.43	

1. Well evacuated to dryness? Yes / No — No
2. Sample Filtered? Yes / No — No
3. Sampling Equip. Used Peristaltic
4. Drive Gas (Air/Nitrogen) AIR /NITROGEN/ N/A — AIR
5. Sample Rate (mL/min) 300
6. Sample Appearance:
   Turbidity low-none
   Color clear
   Odor none
7. Time to recharge (min): N/A
8. Sample Time: 12:40
9: Parameter/Container/Pres.
   See Attached COC
10. Other Information:
11. Decontamination Procedures:
    Alconox/DI Rinse
12. Instrument type: YSI ProDSS
    Calibration Date: LAB
    Calibration Time: LAB

	Stnd.	Reading	Adjust.
pH	See attached Lab Form for Calibration Data		
Conduct.			
ORP			
D.O			
Turbidity			

LS-1 10/19/23
13:~~[illegible]~~45

Low Stress Groundwater Sampling Data Sheet

HDR

Facility Name: **CRLCSWA SITE 2**	Sampler Name(s): Andy Lee and Brendan Bunker
MW Identification: MW-304R	Date/Time: 10/18 16:27
Sample Number:	PID Readings: **N/A**
Weather Conditions: 60s sunny	
Wellhead Inspection: no comment	

Visual Inspection:

1. Survey Mark Present:	Yes / No (No circled)	5. Standing/Ponded Water:	Yes / No (No circled)
2. Collision/Vandalism Damage:	Yes / No (No circled)	6. Frost Heaving:	Yes / No (No circled)
3. Casing Degradation:	Yes / No (No circled)	7. Lock in Place:	Yes / No (Yes circled)
4. Well Subsidence:	Yes / No (No circled)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	26.91	7. Purge Rate (mL/min)	300
2. Intake Depth (±0.01 ft.)	~28'	8. Water Level Measuring Equip.	solinst
3. Bottom of casing (±0.01 ft.)	29.61	9. Purge Equipment Used	geotech peri.
4. Casing Diameter (inches)	2"	10. Dedicated? (Yes/No)	Yes / No (No circled)
5. Actual Volume of Water Purged (mL)	5400	11. Immiscible layer observed	Yes / No (No circled)
6. Purge Water Characteristics:		12. Thickness of immiscible layer	N/A
Odor: ~~orang~~ none	Turbidity: cloudy	13. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A (N/A circled)
Color: orange-yellow			

pump on: 16:32

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
16:37	900	14.5	1417	-35.0	0.52	127.27	6.42	27.23	
16:40	1800	14.3	1416	-45.3	0.08	61.14	6.44	27.35	
16:43	2700	14.3	1411	-50.1	0.00	42.95	6.45	27.57	
16:46	3600	14.5	1413	-53.3	0.00	99.11	6.47	27.81	
16:49	4500	14.5	1413	-44.1	0.00	73.07	6.46	28.09	

1. Well evacuated to dryness?	Yes / No (No circled)	7. Time to recharge (min):	N/A	11. Decontamination Procedures:	**Alconox/DI Rinse**
2. Sample Filtered?	Yes / No (No circled)	8. Sample Time:	16:52	12. Instrument type: **YSI ProDSS**	
3. Sampling Equip. Used	geotech peri.	9: Parameter/Container/Pres.	**See Attached COC**	Calibration Date:	**LAB**
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A (N/A circled)			Calibration Time:	**LAB**
5. Sample Rate (mL/min)	300				
6. Sample Appearance:		10. Other Information:			
Turbidity	cloudy				
Color	orange-yellow				
Odor	none				

	Stnd.	Reading	Adjust.
pH			
Conduct.	**See attached Lab Form for Calibration Data**		
ORP			
D.O			
Turbidity			

orange FE floc initial discharge

Low Stress Groundwater Sampling Data Sheet

HDR

Facility Name: CRLCSWA SITE 2	Sampler Name(s): Andy Lee and Brendan Bunker
MW Identification: MW-30S	Date/Time: 10/18 15:35
Sample Number:	PID Readings: N/A
Weather Conditions: 60s sunny	
Wellhead Inspection: no comment	

Visual Inspection:

1. Survey Mark Present:	Yes / No	5. Standing/Ponded Water:	Yes / No	in casing
2. Collision/Vandalism Damage:	Yes / No	6. Frost Heaving:	Yes / No	
3. Casing Degradation:	Yes / No	7. Lock in Place:	Yes / No	
4. Well Subsidence:	Yes / No			

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	18.20	7. Purge Rate (mL/min)	300
2. Intake Depth (±0.01 ft.)	~25->22'	8. Water Level Measuring Equip.	Solinst
3. Bottom of casing (±0.01 ft.)	32.22	9. Purge Equipment Used	geotech peri.
4. Casing Diameter (inches)	2"	10. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	6300	11. Immiscible layer observed	Yes / No
6. Purge Water Characteristics:		12. Thickness of immiscible layer	N/A
Odor: none / Turbidity	cloudy	13. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: reddish brown			

pump start: 15:40

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
15:43	900	13.9	1097	-7.4	1.79	141.58	6.78	18.47	
15:46	1800	13.6	1092	-7.7	0.42	1139.18	6.78	18.56	
15:49	2700	13.7	1078	-7.0	0.12	3424	6.74	18.63	
~~15:52~~	~~3600~~								
~~15:55~~	~~4500~~								
After draining YSI → 15:56	3600	15.1	910	14.4	0.23	320.87	6.64	18.58	
15:59	4500	15.0	893	18.7	0.00	204.20	6.63	18.60	
16:02	5400	14.9	890	19.6	0.00	192.48	6.63	18.63	

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / No	8. Sample Time:	16:05
3. Sampling Equip. Used	geotech peri.	9: Parameter/Container/Pres.	See Attached COC
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		
5. Sample Rate (mL/min)	300		
6. Sample Appearance:		10. Other Information:	
Turbidity	cloudy		
Color	reddish brown		
Odor	none		

11. Decontamination Procedures: Alconox/DI Rinse

12. Instrument type: YSI ProDSS

Calibration Date: LAB

Calibration Time: LAB

	Stnd.	Reading	Adjust.
pH	See attached Lab Form for Calibration Data		
Conduct.			
ORP			
D.O			
Turbidity			

Orange FE floc initial discharge

drained YSI because of excess orange floc, pulled tubing up 3'

I TSS

I NA

III VOA

Low Stress Groundwater Sampling Data Sheet

HDR

Facility Name: **CRLCSWA SITE 2**	Sampler Name(s): **ANDY LEE & BRENDAN BUNKER**
MW Identification: MW-306	Date/Time: 10/13/23 14:30
Sample Number: 3	PID Readings: **N/A**
Weather Conditions: cloudy	
Wellhead Inspection: no comment	

Visual Inspection:

1. Survey Mark Present:	Yes / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / No	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / No	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / No		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	13.49	7. Purge Rate (mL/min)	300
2. Intake Depth (±0.01 ft.)	≈21'	8. Water Level Measuring Equip.	GT WLM
3. Bottom of casing (±0.01 ft.)	–	9. Purge Equipment Used	GC Pro (Bladder)
4. Casing Diameter (inches)	2"	10. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	1,200	11. Immiscible layer observed	Yes / No
6. Purge Water Characteristics:		12. Thickness of immiscible layer	NA
Odor: none	Turbidity: some	13. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: clear-brown (iron)			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
14:40	300	13.8	1756	−38.9	1.03	61.58	6.84	13.56	
14:43	600	13.8	1741	−44.8	0.27	49.43	6.84	13.57	
14:46	900	13.7	1735	−42.9	0.12	51.17	6.83	13.57	
14:49	1,200	13.7	1734	−43.7	0.01	53.69	6.83	13.58	

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / No	8. Sample Time:	14:50
3. Sampling Equip. Used	GC Bladder	9: Parameter/Container/Pres.	**See Attached COC**
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A		
5. Sample Rate (mL/min)	300		
6. Sample Appearance:			
Turbidity	some (FE specks)	10. Other Information:	
Color	lt brown-orange		
Odor	none		

11. Decontamination Procedures: **Alconox/DI Rinse**

12. Instrument type: **YSI ProDSS**

Calibration Date: **LAB**

Calibration Time: **LAB**

	Stnd.	Reading	Adjust.
pH			
Conduct.	**See attached Lab Form for Calibration Data**		
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

HDR	Facility Name: **CRLCSWA SITE 2**	Sampler Name(s): **ANDY LEE & BRENDAN BUNKER**
	MW Identification: MW-307A	Date/Time: 10/19/23 11:10
	Sample Number: 9	PID Readings: **N/A**
	Weather Conditions: cloudy	
	Wellhead Inspection: rusty	

Visual Inspection:

1. Survey Mark Present: Yes / No — No
2. Collision/Vandalism Damage: Yes / No — No
3. Casing Degradation: Yes / No — No
4. Well Subsidence: Yes / No — No
5. Standing/Ponded Water: Yes / No — No
6. Frost Heaving: Yes / No — No
7. Lock in Place: Yes / No — Yes

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]): 11.13
2. Intake Depth (±0.01 ft.): 18.5'
3. Bottom of casing (±0.01 ft.):
4. Casing Diameter (inches): 2"
5. Actual Volume of Water Purged (mL): 1,200
6. Purge Water Characteristics:
   Odor: none   Turbidity: none
   Color: clear
7. Purge Rate (mL/min): 300
8. Water Level Measuring Equip.: GT WLM
9. Purge Equipment Used: Geopump (Peristaltic)
10. Dedicated? (Yes/No): Yes / No — No
11. Immiscible layer observed: Yes / No — No
12. Thickness of immiscible layer: NA
13. Drive Gas (Air/Nitrogen): AIR / NITROGEN / N/A — AIR

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
11:15		12.5	1187	-25.6	1.42	5.65	6.81	11.18	
11:18		12.4	1190	-44.4	0.33	19.62	6.80	11.20	
11:21		12.1	1198	-50.7	0.18	9.02	6.81	11.21	
11:24		12.0	1205	-53.6	0.09	5.61	6.81	11.22	

1. Well evacuated to dryness? Yes / No — No
2. Sample Filtered? Yes / No — No
3. Sampling Equip. Used: Geo Peristaltic
4. Drive Gas (Air/Nitrogen): AIR/NITROGEN/ N/A — AIR
5. Sample Rate (mL/min): 300
6. Sample Appearance:
   Turbidity: none-low
   Color: clear
   Odor: none
7. Time to recharge (min): NA
8. Sample Time: 11:25
9. Parameter/Container/Pres.: **See Attached COC**
10. Other Information:
11. Decontamination Procedures: **Alconox/DI Rinse**
12. Instrument type: **YSI ProDSS**
    Calibration Date: **LAB**
    Calibration Time: **LAB**

	Stnd.	Reading	Adjust.
pH	**See attached Lab Form for Calibration Data**		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

HDR	Facility Name: **CRLCSWA SITE 2**	Sampler Name(s): **ANDY LEE & BRENDAN BUNKER**
	MW Identification: MW-501	Date/Time: 10/18/23 12:00
	Sample Number: 1	PID Readings: **N/A**
	Weather Conditions: cloudy	
	Wellhead Inspection: no comment	

Visual Inspection:

1. Survey Mark Present: Yes / No — No
2. Collision/Vandalism Damage: Yes / No — No
3. Casing Degradation: Yes / No — No
4. Well Subsidence: Yes / No — No
5. Standing/Ponded Water: Yes / No — No
6. Frost Heaving: Yes / No — No
7. Lock in Place: Yes / No — Yes

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 19.08
2. Intake Depth (±0.01 ft.) ≈35'
3. Bottom of casing (±0.01 ft.) –
4. Casing Diameter (inches) 2"
5. Actual Volume of Water Purged (mL) 1,200
6. Purge Water Characteristics:

Odor none Turbidity med-high

Color lt orange (FE flecks)

7. Purge Rate (mL/min) 300
8. Water Level Measuring Equip. GT WLM
9. Purge Equipment Used CC Pro (Bladder)
10. Dedicated? (Yes/No) Yes / No — No
11. Immiscible layer observed Yes / No — No
12. Thickness of immiscible layer NA
13. Drive Gas (Air/Nitrogen) AIR / NITROGEN / N/A — AIR

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
12:45	300	15.7	1294	119.7	1.25	113.26	6.81	19.29	
12:48	600	15.7	1299	123.4	0.76	84.37	6.79	19.31	
12:51	900	15.6	1303	127.1	0.31	81.93	6.79	19.33	
12:54	1,200	15.6	1305	129.3	0.25	87.41	6.78	19.36	

1. Well evacuated to dryness? Yes / No — No
2. Sample Filtered? Yes / No — No
3. Sampling Equip. Used Bladder
4. Drive Gas (Air/Nitrogen) AIR / NITROGEN/ N/A — AIR
5. Sample Rate (mL/min) 300
6. Sample Appearance:

Turbidity med-high

Color lt orange

Odor none

(FE flecks)

7. Time to recharge (min): NA
8. Sample Time: 12:55
9. Parameter/Container/Pres.

See Attached COC

10. Other Information:

11. Decontamination Procedures:

Alconox/DI Rinse

12. Instrument type: **YSI ProDSS**

Calibration Date: **LAB**

Calibration Time: **LAB**

Stnd. Reading Adjust.

pH

Conduct.

ORP

D.O

Turbidity

See attached Lab Form for Calibration Data

Low Stress Groundwater Sampling Data Sheet

HDR	Facility Name: **CRLCSWA SITE 2**	Sampler Name(s): **ANDY LEE & BRENDAN BUNKER**
	MW Identification: MW-502	Date/Time: 9:55 10/19/23
	Sample Number: 7	PID Readings: **N/A**
	Weather Conditions: cloudy	
	Wellhead Inspection:	

Visual Inspection:

1. Survey Mark Present: Yes / No — Yes
2. Collision/Vandalism Damage: Yes / No — No
3. Casing Degradation: Yes / No — No
4. Well Subsidence: Yes / No — No
5. Standing/Ponded Water: Yes / No — No
6. Frost Heaving: Yes / No — No
7. Lock in Place: Yes / No — Yes

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]): 33.89
2. Intake Depth (±0.01 ft.): 235'
3. Bottom of casing (±0.01 ft.):
4. Casing Diameter (inches): 2"
5. Actual Volume of Water Purged (mL): 1,200
6. Purge Water Characteristics:

Odor: none Turbidity: none/low
Color: clear

7. Purge Rate (mL/min): 300
8. Water Level Measuring Equip.: GT WLM
9. Purge Equipment Used: Bladder
10. Dedicated? (Yes/No): Yes / No — No
11. Immiscible layer observed: Yes / No — No
12. Thickness of immiscible layer: NA
13. Drive Gas (Air/Nitrogen): AIR / NITROGEN / N/A — AIR

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
10:15	300	11.7	1042	182.4	1.26	8.12	6.70	33.95	
10:18	600	11.6	939	170.3	1.12	15.64	6.72	33.96	
10:21	900	11.7	933	166.3	1.05	13.27	6.73	33.97	
10:24	1,200	11.7	928	162.7	0.97	11.59	6.73	33.99	

1. Well evacuated to dryness? Yes / No — No
2. Sample Filtered? Yes / No — No
3. Sampling Equip. Used: Bladder
4. Drive Gas (Air/Nitrogen): AIR /NITROGEN/ N/A
5. Sample Rate (mL/min): 300
6. Sample Appearance:
   - Turbidity: none-low
   - Color: lt brown-clear
   - Odor: none

7. Time to recharge (min): NA
8. Sample Time: 10:25
9: Parameter/Container/Pres.: **See Attached COC**
10. Other Information:

11. Decontamination Procedures: **Alconox/DI Rinse**
12. Instrument type: **YSI ProDSS**

Calibration Date: **LAB**
Calibration Time: **LAB**

	Stnd.	Reading	Adjust.
pH			
Conduct.	**See attached Lab Form for Calibration Data**		
ORP			
D.O			
Turbidity			

color appeared more turbid and light brown with filling of last 1L unpreserved

Low Stress Groundwater Sampling Data Sheet

HDR			
Facility Name: CRLCSWA Site 2		Sampler Name(s):	Andy Lee
MW Identification: GU-1		Date/Time:	12/13/23 1:45 PM
Sample Number: 1		PID Readings:	N/A
Weather Conditions: 44°F cloudy			
Wellhead Inspection: grab sample			

Visual Inspection:

1. Survey Mark Present: (Yes/No) ______
2. Collision/Vandalism Damage: (Yes/No) ______
3. Casing Degradation: (Yes/No) ______
4. Well Subsidence: (Yes/No) ______
5. Standing/Ponded Water (Yes/No) ______
6. Frost Heaving (Yes/No) ______
7. Lock in Place (Yes/No) ______

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) ______
2. Bottom of casing (±0.01 ft.) ______
3. Casing Diameter (inches) ______
4. Casing Volume (#2-#1x0.163) ______
5. Actual Volume of Water Purged (gal) ______
6. Purge Water Characteristics:

Odor ______ Turbidity ______

Color ______

7. Water Level Measuring Equip. ______
8. Purge Equipment Used ______
9. Dedicated? (Yes/No) ______
10. Immiscible layer observed N/A
11. Thickness of immiscible layer N/A
12. Drive Gas (Air/Nitrogen) ______

Time	Volume Purged (gal)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown
NO	Purge	characteristics		with	grab	sample		

Well evacuated to dryness? ______

1. Sample Filtered? ______
2. Sampling Equip. Used ______
3. Drive Gas (Air/Nitrogen) ______
4. Sample Rate ______
5. Sample Appearance: ______

Turbidity ______

Color ______

Odor ______

Time to recharge (min): ______

6. Sample Time: ______
7: Parameter/Container/Pres.

8. Other Information:

9. Decontamination Procedures:

10. Instrument type: ______

Calibration Date: ______

Calibration Time: ______

	Stnd.	Reading	Adjust.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: CRLCSWA Site 2		Sampler Name(s):	Andy Lee
MW Identification:	GU-P	Date/Time:	12/13/23 3:50 PM
Sample Number:	2	PID Readings:	N/A
Weather Conditions:	44°F cloudy		
Wellhead Inspection:	grab sample		

Visual Inspection:

1. Survey Mark Present: (Yes/No) ______
2. Collision/Vandalism Damage: (Yes/No) ______
3. Casing Degradation: (Yes/No) ______
4. Well Subsidence: (Yes/No) ______
5. Standing/Ponded Water (Yes/No) ______
6. Frost Heaving (Yes/No) ______
7. Lock in Place (Yes/No) ______

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) ______
2. Bottom of casing (±0.01 ft.) ______
3. Casing Diameter (inches) ______
4. Casing Volume (#2-#1x0.163) ______
5. Actual Volume of Water Purged (gal) ______
6. Purge Water Characteristics:

Odor ______ Turbidity ______

Color ______

7. Water Level Measuring Equip. ______
8. Purge Equipment Used ______
9. Dedicated? (Yes/No) ______
10. Immiscible layer observed N/A
11. Thickness of immiscible layer N/A
12. Drive Gas (Air/Nitrogen) ______

Time	Volume Purged (gal)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown
No	Purge	charac	teristics	with	grab	sample		

Well evacuated to dryness? ______

1. Sample Filtered? ______
2. Sampling Equip. Used ______
3. Drive Gas (Air/Nitrogen) ______
4. Sample Rate ______
5. Sample Appearance: ______

Turbidity ______

Color ______

Odor ______

Time to recharge (min): ______

6. Sample Time: ______

7: Parameter/Container/Pres.

______

8. Other Information:

______

9. Decontamination Procedures:

______

10. Instrument type: ______

Calibration Date: ______

Calibration Time: ______

	Stnd.	Reading	Adjust.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

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Attachment 4

Laboratory Analytical Data Sheets

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: William Nicholson
HDR Inc
1917 S 67th Street
Omaha, Nebraska 68106

Generated 11/2/2023 4:10:50 PM

JOB DESCRIPTION

CRLCSWA_2

JOB NUMBER

310-267708-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

Eurofins Cedar Falls

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

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Authorized for release by
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Job ID: 310-267708-1

Laboratory: Eurofins Cedar Falls

Narrative

Job Narrative
310-267708-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 10/19/2023 5:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.3°C, 1.9°C, 5.4°C and 8.6°C

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 310-403515 recovered above the upper control limit for Trichlorofluoromethane (21.8%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 310-403515/4).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-403873 recovered outside control limits for Carbon disulfide (-20.6%D). The LCS associated with this CCV passes CCV criteria for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 310-403873/3).

Method 8260D: The method blank for analytical batch 310-403873 contained Carbon disulfide, ethylene dibromide and Bromochloromethane above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Herbicides
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides
Method 8081B: The continuing calibration verification (CCV) associated with batch 310-403191 recovered above the upper control limit for Toxaphene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-267708-1	GU-1	Water	10/19/23 09:00	10/19/23 17:30
310-267708-2	GU-L	Water	10/19/23 08:00	10/19/23 17:30
310-267708-3	GU-O	Water	10/19/23 08:30	10/19/23 17:30
310-267708-4	MW-30	Water	10/18/23 13:17	10/19/23 17:30
310-267708-5	MW-306	Water	10/18/23 14:50	10/19/23 17:30
310-267708-6	Dup-2	Water	10/18/23 10:00	10/19/23 17:30
310-267708-7	MW-300	Water	10/18/23 16:20	10/19/23 17:30
310-267708-8	TB-3	Water	10/18/23 00:00	10/19/23 17:30
310-267708-9	MW-18	Water	10/19/23 11:57	10/19/23 17:30
310-267708-10	MW-304R	Water	10/18/23 16:52	10/19/23 17:30
310-267708-11	MW-305	Water	10/18/23 16:05	10/19/23 17:30
310-267708-12	MW-29	Water	10/18/23 14:00	10/19/23 17:30
310-267708-13	MW-15	Water	10/18/23 13:17	10/19/23 17:30
310-267708-14	GU-P	Water	10/19/23 08:45	10/19/23 17:30
310-267708-15	TB-1	Water	10/19/23 00:00	10/19/23 17:30
310-267708-16	MW-20	Water	10/19/23 11:47	10/19/23 17:30
310-267708-17	MW-24	Water	10/18/23 15:10	10/19/23 17:30
310-267708-18	MW-19	Water	10/18/23 17:32	10/19/23 17:30
310-267708-19	Dup-1	Water	10/18/23 11:00	10/19/23 17:30
310-267708-20	MW-302R	Water	10/18/23 15:25	10/19/23 17:30
310-267708-21	TB-2	Water	10/18/23 00:00	10/19/23 17:30
310-267708-22	MW-307A	Water	10/19/23 11:25	10/19/23 17:30
310-267708-23	MW-501	Water	10/18/23 12:55	10/19/23 17:30
310-267708-24	MW-502	Water	10/19/23 10:25	10/19/23 17:30
310-267708-25	EQ-1	Water	10/19/23 14:47	10/19/23 17:30
310-267708-26	MW-301	Water	10/19/23 12:31	10/19/23 17:30
310-267708-27	MW-201B	Water	10/19/23 09:35	10/19/23 17:30
310-267708-28	MW-9AR	Water	10/19/23 09:48	10/19/23 17:30
310-267708-29	MW-22	Water	10/19/23 10:42	10/19/23 17:30
310-267708-30	MW-303	Water	10/19/23 12:40	10/19/23 17:30
310-267708-31	TB-4	Water	10/19/23 00:00	10/19/23 17:30

Detection Summary

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: GU-1 — Lab Sample ID: 310-267708-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.04	J	10.0	3.10	ug/L	1		8260D	Total/NA
Benzene	0.253	J	0.500	0.220	ug/L	1		8260D	Total/NA
Arsenic	0.0103		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.751		0.00200	0.000640	mg/L	1		6020B	Total/NA
Chromium	0.00195	J	0.00500	0.00110	mg/L	1		6020B	Total/NA
Cobalt	0.00200		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0491		0.00500	0.00190	mg/L	1		6020B	Total/NA
Zinc	0.115		0.0200	0.00640	mg/L	1		6020B	Total/NA
Total Suspended Solids	78.0		15.0	5.10	mg/L	1		I-3765-85	Total/NA

Client Sample ID: GU-L — Lab Sample ID: 310-267708-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000902	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0488		0.00200	0.000640	mg/L	1		6020B	Total/NA
Cobalt	0.00179		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00358	J	0.00500	0.00190	mg/L	1		6020B	Total/NA
Zinc	0.00868	J	0.0200	0.00640	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.25		1.88	0.638	mg/L	1		I-3765-85	Total/NA

Client Sample ID: GU-O — Lab Sample ID: 310-267708-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00225		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.310		0.00200	0.000640	mg/L	1		6020B	Total/NA
Total Suspended Solids	29.0		15.0	5.10	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-30 — Lab Sample ID: 310-267708-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.000645		0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	123		15.0	5.10	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-306 — Lab Sample ID: 310-267708-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.00190		0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	259		15.0	5.10	mg/L	1		I-3765-85	Total/NA

Client Sample ID: Dup-2 — Lab Sample ID: 310-267708-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.00143	J	0.00200	0.00100	mg/L	1		6020B	Total/NA
Arsenic	0.00298		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.332		0.00200	0.000640	mg/L	1		6020B	Total/NA
Cadmium	0.000225		0.000200	0.000100	mg/L	1		6020B	Total/NA
Cobalt	0.000340	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.000457	J	0.000500	0.000240	mg/L	1		6020B	Total/NA
Selenium	0.00183	J	0.00500	0.00140	mg/L	1		6020B	Total/NA
Silver	0.00121		0.00100	0.000500	mg/L	1		6020B	Total/NA
Thallium	0.00910		0.00100	0.000260	mg/L	1		6020B	Total/NA
Total Suspended Solids	28.0		15.0	5.10	mg/L	1		I-3765-85	Total/NA

This Detection Summary does not include radiochemical test results.

Client: HDR Inc
Job ID: 310-267708-1
Project/Site: CRLCSWA_2

Client Sample ID: MW-300 — Lab Sample ID: 310-267708-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	2.14		1.00	0.400	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.252	J	1.00	0.210	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	3.61		1.00	0.230	ug/L	1		8260D	Total/NA
Arsenic	0.00307		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0420		0.00200	0.000640	mg/L	1		6020B	Total/NA
Cobalt	0.0202	B	0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0205		0.00500	0.00190	mg/L	1		6020B	Total/NA
Thallium	0.000790	J F1	0.00100	0.000260	mg/L	1		6020B	Total/NA
Zinc	0.00672	J	0.0200	0.00640	mg/L	1		6020B	Total/NA
Total Suspended Solids	25.0		7.50	2.55	mg/L	1		I-3765-85	Total/NA

Client Sample ID: TB-3 — Lab Sample ID: 310-267708-8

No Detections.

Client Sample ID: MW-18 — Lab Sample ID: 310-267708-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.00193	J	0.00200	0.00100	mg/L	1		6020B	Total/NA
Arsenic	0.00174	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0738		0.00200	0.000640	mg/L	1		6020B	Total/NA
Cadmium	0.000530		0.000200	0.000100	mg/L	1		6020B	Total/NA
Cobalt	0.00710	B	0.000500	0.000170	mg/L	1		6020B	Total/NA
Copper	0.00197	J	0.00500	0.00180	mg/L	1		6020B	Total/NA
Lead	0.000641		0.000500	0.000240	mg/L	1		6020B	Total/NA
Nickel	0.0246		0.00500	0.00190	mg/L	1		6020B	Total/NA
Selenium	0.00229	J	0.00500	0.00140	mg/L	1		6020B	Total/NA
Silver	0.00126		0.00100	0.000500	mg/L	1		6020B	Total/NA
Thallium	0.0129		0.00100	0.000260	mg/L	1		6020B	Total/NA
Zinc	0.0108	J	0.0200	0.00640	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.13		1.88	0.638	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-304R — Lab Sample ID: 310-267708-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00120	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0491		0.00200	0.000640	mg/L	1		6020B	Total/NA
Cobalt	0.00283		0.000500	0.000170	mg/L	1		6020B	Total/NA
Thallium	0.000835	J	0.00100	0.000260	mg/L	1		6020B	Total/NA
Total Suspended Solids	38.0		15.0	5.10	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-305 — Lab Sample ID: 310-267708-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00204		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0616		0.00200	0.000640	mg/L	1		6020B	Total/NA
Cobalt	0.00249		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00325	J	0.00500	0.00190	mg/L	1		6020B	Total/NA
Vanadium	0.00193	J	0.00500	0.00110	mg/L	1		6020B	Total/NA
Total Suspended Solids	45.0		15.0	5.10	mg/L	1		I-3765-85	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-29 — Lab Sample ID: 310-267708-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.00137		0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	24.0		7.50	2.55	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-15 — Lab Sample ID: 310-267708-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00147	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.153		0.00200	0.000640	mg/L	1		6020B	Total/NA
Cadmium	0.000134	J	0.000200	0.000100	mg/L	1		6020B	Total/NA
Cobalt	0.00330		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00867		0.00500	0.00190	mg/L	1		6020B	Total/NA
Vanadium	0.00127	J	0.00500	0.00110	mg/L	1		6020B	Total/NA
Zinc	0.0126	J	0.0200	0.00640	mg/L	1		6020B	Total/NA
Total Suspended Solids	5.13		1.88	0.638	mg/L	1		I-3765-85	Total/NA

Client Sample ID: GU-P — Lab Sample ID: 310-267708-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00255		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.308		0.00200	0.000640	mg/L	1		6020B	Total/NA
Cobalt	0.000645		0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	18.0		7.50	2.55	mg/L	1		I-3765-85	Total/NA

Client Sample ID: TB-1 — Lab Sample ID: 310-267708-15

No Detections.

Client Sample ID: MW-20 — Lab Sample ID: 310-267708-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.64	J	10.0	3.10	ug/L	1		8260D	Total/NA
Benzene	3.66		0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	7.42		1.00	0.400	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	0.477	J	1.00	0.230	ug/L	1		8260D	Total/NA
Arsenic	0.0208		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	1.39		0.00200	0.000640	mg/L	1		6020B	Total/NA
Chromium	0.00199	J	0.00500	0.00110	mg/L	1		6020B	Total/NA
Cobalt	0.00562	B	0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0296		0.00500	0.00190	mg/L	1		6020B	Total/NA
Vanadium	0.00439	J	0.00500	0.00110	mg/L	1		6020B	Total/NA
Total Suspended Solids	50.0		15.0	5.10	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-24 — Lab Sample ID: 310-267708-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000677	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0510		0.00200	0.000640	mg/L	1		6020B	Total/NA
Cadmium	0.000488		0.000200	0.000100	mg/L	1		6020B	Total/NA
Cobalt	0.00278		0.000500	0.000170	mg/L	1		6020B	Total/NA
Copper	0.00316	J	0.00500	0.00180	mg/L	1		6020B	Total/NA
Nickel	0.0223		0.00500	0.00190	mg/L	1		6020B	Total/NA
Zinc	0.00697	J	0.0200	0.00640	mg/L	1		6020B	Total/NA
Total Suspended Solids	0.750	J	1.88	0.638	mg/L	1		I-3765-85	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-19 Lab Sample ID: 310-267708-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.221	J	0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	2.19		1.00	0.400	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.338	J	1.00	0.210	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	3.13		1.00	0.230	ug/L	1		8260D	Total/NA
Arsenic	0.00313		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0421		0.00200	0.000640	mg/L	1		6020B	Total/NA
Cobalt	0.0190	B	0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0198		0.00500	0.00190	mg/L	1		6020B	Total/NA
Zinc	0.0101	J	0.0200	0.00640	mg/L	1		6020B	Total/NA
Total Suspended Solids	17.3		5.00	1.70	mg/L	1		I-3765-85	Total/NA

Client Sample ID: Dup-1 Lab Sample ID: 310-267708-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000966	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0507		0.00200	0.000640	mg/L	1		6020B	Total/NA
Cobalt	0.00189		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00370	J	0.00500	0.00190	mg/L	1		6020B	Total/NA
Zinc	0.0132	J	0.0200	0.00640	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.75		1.88	0.638	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-302R Lab Sample ID: 310-267708-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000787	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.116		0.00200	0.000640	mg/L	1		6020B	Total/NA
Zinc	0.00959	J	0.0200	0.00640	mg/L	1		6020B	Total/NA
Total Suspended Solids	6.38		1.88	0.638	mg/L	1		I-3765-85	Total/NA

Client Sample ID: TB-2 Lab Sample ID: 310-267708-21

No Detections.

Client Sample ID: MW-307A Lab Sample ID: 310-267708-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.000793		0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	27.0		15.0	5.10	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-501 Lab Sample ID: 310-267708-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00421		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0584		0.00200	0.000640	mg/L	1		6020B	Total/NA
Cobalt	0.00606	B	0.000500	0.000170	mg/L	1		6020B	Total/NA
Copper	0.00263	J	0.00500	0.00180	mg/L	1		6020B	Total/NA
Lead	0.000830		0.000500	0.000240	mg/L	1		6020B	Total/NA
Nickel	0.00834		0.00500	0.00190	mg/L	1		6020B	Total/NA
Vanadium	0.00135	J	0.00500	0.00110	mg/L	1		6020B	Total/NA
Zinc	0.00964	J	0.0200	0.00640	mg/L	1		6020B	Total/NA
Total Suspended Solids	202		15.0	5.10	mg/L	1		I-3765-85	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: HDR Inc
Job ID: 310-267708-1
Project/Site: CRLCSWA_2

Client Sample ID: MW-502 — Lab Sample ID: 310-267708-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000578	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.247		0.00200	0.000640	mg/L	1		6020B	Total/NA
Cadmium	0.000105	J	0.000200	0.000100	mg/L	1		6020B	Total/NA
Cobalt	0.00158		0.000500	0.000170	mg/L	1		6020B	Total/NA
Copper	0.00439	J	0.00500	0.00180	mg/L	1		6020B	Total/NA
Lead	0.00177		0.000500	0.000240	mg/L	1		6020B	Total/NA
Nickel	0.00355	J	0.00500	0.00190	mg/L	1		6020B	Total/NA
Vanadium	0.00270	J	0.00500	0.00110	mg/L	1		6020B	Total/NA
Total Suspended Solids	251		15.0	5.10	mg/L	1		I-3765-85	Total/NA

Client Sample ID: EQ-1 — Lab Sample ID: 310-267708-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.89	J	10.0	3.10	ug/L	1		8260D	Total/NA
Bromodichloromethane	1.77		1.00	0.390	ug/L	1		8260D	Total/NA
Chlorodibromomethane	1.38	J	5.00	0.750	ug/L	1		8260D	Total/NA
Chloroform	2.27	J	3.00	1.30	ug/L	1		8260D	Total/NA
Zinc	0.00682	J	0.0200	0.00640	mg/L	1		6020B	Total/NA

Client Sample ID: MW-301 — Lab Sample ID: 310-267708-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	0.524	J	1.00	0.400	ug/L	1		8260D	Total/NA
Antimony	0.00192	J	0.00200	0.00100	mg/L	1		6020B	Total/NA
Arsenic	0.0101		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0807	B	0.00200	0.000640	mg/L	1		6020B	Total/NA
Cadmium	0.000260		0.000200	0.000100	mg/L	1		6020B	Total/NA
Cobalt	0.00517		0.000500	0.000170	mg/L	1		6020B	Total/NA
Copper	0.00189	J	0.00500	0.00180	mg/L	1		6020B	Total/NA
Lead	0.000829		0.000500	0.000240	mg/L	1		6020B	Total/NA
Nickel	0.00816		0.00500	0.00190	mg/L	1		6020B	Total/NA
Selenium	0.00219	J	0.00500	0.00140	mg/L	1		6020B	Total/NA
Silver	0.00116		0.00100	0.000500	mg/L	1		6020B	Total/NA
Thallium	0.0129		0.00100	0.000260	mg/L	1		6020B	Total/NA
Total Suspended Solids	180		15.0	5.10	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-201B — Lab Sample ID: 310-267708-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.00110	J	0.00200	0.00100	mg/L	1		6020B	Total/NA
Arsenic	0.00118	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0620	B	0.00200	0.000640	mg/L	1		6020B	Total/NA
Cobalt	0.000251	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Copper	0.00195	J	0.00500	0.00180	mg/L	1		6020B	Total/NA
Lead	0.000438	J	0.000500	0.000240	mg/L	1		6020B	Total/NA
Thallium	0.000899	J	0.00100	0.000260	mg/L	1		6020B	Total/NA
Vanadium	0.00205	J	0.00500	0.00110	mg/L	1		6020B	Total/NA
Zinc	0.0110	J	0.0200	0.00640	mg/L	1		6020B	Total/NA
Total Suspended Solids	8.13		1.88	0.638	mg/L	1		I-3765-85	Total/NA

This Detection Summary does not include radiochemical test results.

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: MW-9AR

Lab Sample ID: 310-267708-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00335		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.413	B	0.00200	0.000640	mg/L	1		6020B	Total/NA
Cobalt	0.00243		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00257	J	0.00500	0.00190	mg/L	1		6020B	Total/NA
Total Suspended Solids	47.0		15.0	5.10	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-22

Lab Sample ID: 310-267708-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.29		0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	0.636	J	1.00	0.400	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.220	J	1.00	0.210	ug/L	1		8260D	Total/NA
Silvex (2,4,5-TP)	0.145		0.0505	0.0222	ug/L	1		8151A	Total/NA
Arsenic	0.00272		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	1.09		0.00200	0.000640	mg/L	1		6020B	Total/NA
Cobalt	0.000401	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0334		0.00500	0.00190	mg/L	1		6020B	Total/NA
Total Suspended Solids	30.0		15.0	5.10	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-303

Lab Sample ID: 310-267708-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00318		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0517		0.00200	0.000640	mg/L	1		6020B	Total/NA
Cadmium	0.00172		0.000200	0.000100	mg/L	1		6020B	Total/NA
Cobalt	0.0539		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0613		0.00500	0.00190	mg/L	1		6020B	Total/NA
Total Suspended Solids	29.0		15.0	5.10	mg/L	1		I-3765-85	Total/NA

Client Sample ID: TB-4

Lab Sample ID: 310-267708-31

No Detections.

This Detection Summary does not include radiochemical test results.

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: GU-1
Date Collected: 10/19/23 09:00
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**4.04**	**J**	10.0	3.10	ug/L			10/25/23 04:27	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 04:27	1
Benzene	**0.253**	**J**	0.500	0.220	ug/L			10/25/23 04:27	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 04:27	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 04:27	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 04:27	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 04:27	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 04:27	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 04:27	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 04:27	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/25/23 04:27	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 04:27	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 04:27	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 04:27	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 04:27	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/25/23 04:27	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 04:27	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 04:27	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 04:27	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 04:27	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 04:27	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/25/23 04:27	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 04:27	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 04:27	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 04:27	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 04:27	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 04:27	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 04:27	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 04:27	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 04:27	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 04:27	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 04:27	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 04:27	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 04:27	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 04:27	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 04:27	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 04:27	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 04:27	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 04:27	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 04:27	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 04:27	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 04:27	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 04:27	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 04:27	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 04:27	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 04:27	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 04:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/25/23 04:27*	*1*

Client Sample ID: GU-1

Lab Sample ID: 310-267708-1

Date Collected: 10/19/23 09:00

Matrix: Water

Date Received: 10/19/23 17:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*122*		*80 - 128*		*10/25/23 04:27*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/25/23 04:27*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/23/23 11:20	10/26/23 15:33	1
Arsenic	**0.0103**		0.00200	0.000530	mg/L		10/23/23 11:20	10/26/23 15:33	1
Barium	**0.751**		0.00200	0.000640	mg/L		10/23/23 11:20	10/26/23 15:33	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/23/23 11:20	10/26/23 15:33	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/23/23 11:20	10/26/23 15:33	1
Chromium	**0.00195**	**J**	0.00500	0.00110	mg/L		10/23/23 11:20	10/26/23 15:33	1
Cobalt	**0.00200**		0.000500	0.000170	mg/L		10/23/23 11:20	10/26/23 15:33	1
Copper	<0.00180		0.00500	0.00180	mg/L		10/23/23 11:20	10/26/23 15:33	1
Lead	<0.000240		0.000500	0.000240	mg/L		10/23/23 11:20	10/26/23 15:33	1
Nickel	**0.0491**		0.00500	0.00190	mg/L		10/23/23 11:20	10/26/23 15:33	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/23/23 11:20	10/26/23 15:33	1
Silver	<0.000500		0.00100	0.000500	mg/L		10/23/23 11:20	10/26/23 15:33	1
Thallium	<0.000260		0.00100	0.000260	mg/L		10/23/23 11:20	10/26/23 15:33	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		10/23/23 11:20	10/26/23 15:33	1
Zinc	**0.115**		0.0200	0.00640	mg/L		10/23/23 11:20	10/27/23 13:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**78.0**		15.0	5.10	mg/L			10/25/23 09:45	1

Client Sample ID: GU-L **Lab Sample ID: 310-267708-2**
Date Collected: 10/19/23 08:00 **Matrix: Water**
Date Received: 10/19/23 17:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/25/23 04:50	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 04:50	1
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 04:50	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 04:50	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 04:50	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 04:50	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 04:50	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 04:50	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 04:50	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 04:50	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/25/23 04:50	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 04:50	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 04:50	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 04:50	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 04:50	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/25/23 04:50	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 04:50	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 04:50	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 04:50	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 04:50	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 04:50	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/25/23 04:50	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 04:50	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 04:50	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 04:50	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 04:50	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 04:50	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 04:50	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 04:50	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 04:50	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 04:50	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 04:50	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 04:50	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 04:50	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 04:50	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 04:50	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 04:50	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 04:50	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 04:50	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 04:50	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 04:50	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 04:50	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 04:50	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 04:50	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 04:50	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 04:50	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/25/23 04:50*	*1*

Client Sample ID: GU-L
Date Collected: 10/19/23 08:00
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*119*		*80 - 128*		*10/25/23 04:50*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*10/25/23 04:50*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/23/23 11:20	10/26/23 15:56	1
Arsenic	**0.000902**	**J**	0.00200	0.000530	mg/L		10/23/23 11:20	10/26/23 15:56	1
Barium	**0.0488**		0.00200	0.000640	mg/L		10/23/23 11:20	10/26/23 15:56	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/23/23 11:20	10/26/23 15:56	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/23/23 11:20	10/26/23 15:56	1
Chromium	<0.00110		0.00500	0.00110	mg/L		10/23/23 11:20	10/26/23 15:56	1
Cobalt	**0.00179**		0.000500	0.000170	mg/L		10/23/23 11:20	10/26/23 15:56	1
Copper	<0.00180		0.00500	0.00180	mg/L		10/23/23 11:20	10/26/23 15:56	1
Lead	<0.000240		0.000500	0.000240	mg/L		10/23/23 11:20	10/26/23 15:56	1
Nickel	**0.00358**	**J**	0.00500	0.00190	mg/L		10/23/23 11:20	10/26/23 15:56	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/23/23 11:20	10/26/23 15:56	1
Silver	<0.000500		0.00100	0.000500	mg/L		10/23/23 11:20	10/26/23 15:56	1
Thallium	<0.000260		0.00100	0.000260	mg/L		10/23/23 11:20	10/26/23 15:56	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		10/23/23 11:20	10/26/23 15:56	1
Zinc	**0.00868**	**J**	0.0200	0.00640	mg/L		10/23/23 11:20	10/27/23 13:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**2.25**		1.88	0.638	mg/L			10/25/23 09:45	1

Client Sample Results

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: GU-O

Date Collected: 10/19/23 08:30
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/25/23 05:13	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 05:13	1
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 05:13	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 05:13	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 05:13	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 05:13	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 05:13	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 05:13	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 05:13	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 05:13	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/25/23 05:13	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 05:13	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 05:13	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 05:13	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 05:13	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/25/23 05:13	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 05:13	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 05:13	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 05:13	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 05:13	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 05:13	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/25/23 05:13	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 05:13	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 05:13	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 05:13	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 05:13	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 05:13	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 05:13	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 05:13	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 05:13	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 05:13	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 05:13	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 05:13	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 05:13	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 05:13	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 05:13	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 05:13	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 05:13	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 05:13	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 05:13	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 05:13	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 05:13	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 05:13	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 05:13	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 05:13	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 05:13	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 05:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/25/23 05:13*	*1*

Eurofins Cedar Falls

Client: HDR Inc Job ID: 310-267708-1
Project/Site: CRLCSWA_2

Client Sample ID: GU-O **Lab Sample ID: 310-267708-3**
Date Collected: 10/19/23 08:30 **Matrix: Water**
Date Received: 10/19/23 17:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*120*		*80 - 128*		*10/25/23 05:13*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/25/23 05:13*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/23/23 11:20	10/26/23 15:59	1
Arsenic	**0.00225**		0.00200	0.000530	mg/L		10/23/23 11:20	10/26/23 15:59	1
Barium	**0.310**		0.00200	0.000640	mg/L		10/23/23 11:20	10/26/23 15:59	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/23/23 11:20	10/26/23 15:59	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/23/23 11:20	10/26/23 15:59	1
Chromium	<0.00110		0.00500	0.00110	mg/L		10/23/23 11:20	10/26/23 15:59	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		10/23/23 11:20	10/26/23 15:59	1
Copper	<0.00180		0.00500	0.00180	mg/L		10/23/23 11:20	10/26/23 15:59	1
Lead	<0.000240		0.000500	0.000240	mg/L		10/23/23 11:20	10/26/23 15:59	1
Nickel	<0.00190		0.00500	0.00190	mg/L		10/23/23 11:20	10/26/23 15:59	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/23/23 11:20	10/26/23 15:59	1
Silver	<0.000500		0.00100	0.000500	mg/L		10/23/23 11:20	10/26/23 15:59	1
Thallium	<0.000260		0.00100	0.000260	mg/L		10/23/23 11:20	10/26/23 15:59	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		10/23/23 11:20	10/26/23 15:59	1
Zinc	<0.00640		0.0200	0.00640	mg/L		10/23/23 11:20	10/27/23 13:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**29.0**		15.0	5.10	mg/L			10/25/23 09:45	1

Client Sample ID: MW-30

Date Collected: 10/18/23 13:17
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 05:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/25/23 05:36*	*1*
Dibromofluoromethane (Surr)	*123*		*80 - 128*		*10/25/23 05:36*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/25/23 05:36*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.000645**		0.000500	0.000170	mg/L		10/23/23 11:20	10/26/23 16:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**123**		15.0	5.10	mg/L			10/23/23 12:11	1

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: MW-306
Date Collected: 10/18/23 14:50
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 05:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*10/25/23 05:58*	*1*
Dibromofluoromethane (Surr)	*124*		*80 - 128*		*10/25/23 05:58*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/25/23 05:58*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00190**		0.000500	0.000170	mg/L		10/23/23 11:20	10/26/23 16:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**259**		15.0	5.10	mg/L			10/23/23 12:11	1

Client Sample Results

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: Dup-2
Date Collected: 10/18/23 10:00
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/25/23 11:38	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 11:38	1
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 11:38	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 11:38	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 11:38	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 11:38	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 11:38	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 11:38	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 11:38	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 11:38	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/25/23 11:38	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 11:38	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 11:38	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 11:38	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 11:38	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/25/23 11:38	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 11:38	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 11:38	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 11:38	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 11:38	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 11:38	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/25/23 11:38	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 11:38	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 11:38	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 11:38	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 11:38	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 11:38	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 11:38	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 11:38	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 11:38	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 11:38	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 11:38	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 11:38	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 11:38	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 11:38	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 11:38	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 11:38	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 11:38	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 11:38	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 11:38	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 11:38	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 11:38	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 11:38	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 11:38	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 11:38	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 11:38	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/25/23 11:38*	*1*

Client Sample ID: Dup-2 **Lab Sample ID: 310-267708-6**
Date Collected: 10/18/23 10:00 **Matrix: Water**
Date Received: 10/19/23 17:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*120*		*80 - 128*		*10/25/23 11:38*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*10/25/23 11:38*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.00143**	**J**	0.00200	0.00100	mg/L		10/25/23 09:30	10/25/23 17:29	1
Arsenic	**0.00298**		0.00200	0.000530	mg/L		10/25/23 09:30	10/25/23 17:29	1
Barium	**0.332**		0.00200	0.000640	mg/L		10/25/23 09:30	10/25/23 17:29	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/25/23 09:30	10/25/23 17:29	1
Cadmium	**0.000225**		0.000200	0.000100	mg/L		10/25/23 09:30	10/25/23 17:29	1
Chromium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 17:29	1
Cobalt	**0.000340**	**J**	0.000500	0.000170	mg/L		10/27/23 10:30	10/30/23 12:54	1
Copper	<0.00180		0.00500	0.00180	mg/L		10/25/23 09:30	10/25/23 17:29	1
Lead	**0.000457**	**J**	0.000500	0.000240	mg/L		10/25/23 09:30	10/25/23 17:29	1
Nickel	<0.00190		0.00500	0.00190	mg/L		10/25/23 09:30	10/25/23 17:29	1
Selenium	**0.00183**	**J**	0.00500	0.00140	mg/L		10/25/23 09:30	10/25/23 17:29	1
Silver	**0.00121**		0.00100	0.000500	mg/L		10/25/23 09:30	10/25/23 17:29	1
Thallium	**0.00910**		0.00100	0.000260	mg/L		10/25/23 09:30	10/25/23 17:29	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 17:29	1
Zinc	<0.00640		0.0200	0.00640	mg/L		10/25/23 09:30	10/25/23 17:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**28.0**		15.0	5.10	mg/L			10/23/23 12:11	1

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Client Sample ID: MW-300
Date Collected: 10/18/23 16:20
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/25/23 12:01	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 12:01	1
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 12:01	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 12:01	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 12:01	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 12:01	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 12:01	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 12:01	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 12:01	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 12:01	1
Chlorobenzene	**2.14**		1.00	0.400	ug/L			10/25/23 12:01	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 12:01	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 12:01	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 12:01	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 12:01	1
cis-1,2-Dichloroethene	**0.252**	**J**	1.00	0.210	ug/L			10/25/23 12:01	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 12:01	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 12:01	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 12:01	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 12:01	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 12:01	1
1,4-Dichlorobenzene	**3.61**		1.00	0.230	ug/L			10/25/23 12:01	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 12:01	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 12:01	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 12:01	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 12:01	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 12:01	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 12:01	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 12:01	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 12:01	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 12:01	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 12:01	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 12:01	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 12:01	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 12:01	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 12:01	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 12:01	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 12:01	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 12:01	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 12:01	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 12:01	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 12:01	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 12:01	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 12:01	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 12:01	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 12:01	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 12:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/25/23 12:01*	*1*

Client Sample ID: MW-300

Lab Sample ID: 310-267708-7

Date Collected: 10/18/23 16:20

Matrix: Water

Date Received: 10/19/23 17:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*119*		*80 - 128*		*10/25/23 12:01*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/25/23 12:01*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/25/23 09:30	10/25/23 17:32	1
Arsenic	**0.00307**		0.00200	0.000530	mg/L		10/25/23 09:30	10/25/23 17:32	1
Barium	**0.0420**		0.00200	0.000640	mg/L		10/25/23 09:30	10/25/23 17:32	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/25/23 09:30	10/25/23 17:32	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/25/23 09:30	10/25/23 17:32	1
Chromium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 17:32	1
Cobalt	**0.0202**	**B**	0.000500	0.000170	mg/L		10/25/23 09:30	10/25/23 17:32	1
Copper	<0.00180		0.00500	0.00180	mg/L		10/25/23 09:30	10/25/23 17:32	1
Lead	<0.000240		0.000500	0.000240	mg/L		10/25/23 09:30	10/25/23 17:32	1
Nickel	**0.0205**		0.00500	0.00190	mg/L		10/25/23 09:30	10/25/23 17:32	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/25/23 09:30	10/25/23 17:32	1
Silver	<0.000500		0.00100	0.000500	mg/L		10/25/23 09:30	10/25/23 17:32	1
Thallium	**0.000790**	**J F1**	0.00100	0.000260	mg/L		10/25/23 09:30	10/25/23 17:32	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 17:32	1
Zinc	**0.00672**	**J**	0.0200	0.00640	mg/L		10/25/23 09:30	10/25/23 17:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**25.0**		7.50	2.55	mg/L			10/23/23 12:11	1

Client Sample ID: TB-3
Date Collected: 10/18/23 00:00
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/25/23 01:02	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 01:02	1
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 01:02	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 01:02	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 01:02	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 01:02	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 01:02	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 01:02	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 01:02	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 01:02	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/25/23 01:02	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 01:02	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 01:02	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 01:02	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 01:02	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/25/23 01:02	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 01:02	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 01:02	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 01:02	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 01:02	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 01:02	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/25/23 01:02	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 01:02	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 01:02	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 01:02	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 01:02	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 01:02	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 01:02	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 01:02	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 01:02	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 01:02	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 01:02	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 01:02	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 01:02	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 01:02	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 01:02	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 01:02	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 01:02	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 01:02	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 01:02	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 01:02	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 01:02	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 01:02	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 01:02	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 01:02	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 01:02	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 01:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*10/25/23 01:02*	*1*

Client Sample ID: TB-3 | **Lab Sample ID: 310-267708-8**
Date Collected: 10/18/23 00:00 | **Matrix: Water**
Date Received: 10/19/23 17:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	120		80 - 128		10/25/23 01:02	1
Toluene-d8 (Surr)	95		80 - 120		10/25/23 01:02	1

Client Sample Results

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: MW-18
Date Collected: 10/19/23 11:57
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/25/23 12:24	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 12:24	1
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 12:24	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 12:24	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 12:24	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 12:24	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 12:24	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 12:24	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 12:24	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 12:24	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/25/23 12:24	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 12:24	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 12:24	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 12:24	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 12:24	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/25/23 12:24	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 12:24	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 12:24	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 12:24	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 12:24	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 12:24	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/25/23 12:24	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 12:24	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 12:24	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 12:24	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 12:24	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 12:24	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 12:24	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 12:24	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 12:24	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 12:24	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 12:24	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 12:24	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 12:24	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 12:24	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 12:24	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 12:24	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 12:24	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 12:24	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 12:24	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 12:24	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 12:24	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 12:24	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 12:24	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 12:24	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 12:24	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/25/23 12:24*	*1*

Client Sample ID: MW-18
Lab Sample ID: 310-267708-9
Date Collected: 10/19/23 11:57
Matrix: Water
Date Received: 10/19/23 17:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*121*		*80 - 128*		*10/25/23 12:24*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*10/25/23 12:24*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.00193**	**J**	0.00200	0.00100	mg/L		10/25/23 09:30	10/25/23 17:48	1
Arsenic	**0.00174**	**J**	0.00200	0.000530	mg/L		10/25/23 09:30	10/25/23 17:48	1
Barium	**0.0738**		0.00200	0.000640	mg/L		10/25/23 09:30	10/25/23 17:48	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/25/23 09:30	10/25/23 17:48	1
Cadmium	**0.000530**		0.000200	0.000100	mg/L		10/25/23 09:30	10/25/23 17:48	1
Chromium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 17:48	1
Cobalt	**0.00710**	**B**	0.000500	0.000170	mg/L		10/25/23 09:30	10/25/23 17:48	1
Copper	**0.00197**	**J**	0.00500	0.00180	mg/L		10/25/23 09:30	10/25/23 17:48	1
Lead	**0.000641**		0.000500	0.000240	mg/L		10/25/23 09:30	10/25/23 17:48	1
Nickel	**0.0246**		0.00500	0.00190	mg/L		10/25/23 09:30	10/25/23 17:48	1
Selenium	**0.00229**	**J**	0.00500	0.00140	mg/L		10/25/23 09:30	10/25/23 17:48	1
Silver	**0.00126**		0.00100	0.000500	mg/L		10/25/23 09:30	10/25/23 17:48	1
Thallium	**0.0129**		0.00100	0.000260	mg/L		10/25/23 09:30	10/25/23 17:48	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 17:48	1
Zinc	**0.0108**	**J**	0.0200	0.00640	mg/L		10/25/23 09:30	10/25/23 17:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**2.13**		1.88	0.638	mg/L			10/25/23 09:45	1

Client Sample ID: MW-304R

Date Collected: 10/18/23 16:52
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/25/23 12:46	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 12:46	1
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 12:46	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 12:46	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 12:46	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 12:46	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 12:46	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 12:46	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 12:46	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 12:46	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/25/23 12:46	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 12:46	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 12:46	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 12:46	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 12:46	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/25/23 12:46	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 12:46	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 12:46	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 12:46	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 12:46	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 12:46	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/25/23 12:46	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 12:46	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 12:46	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 12:46	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 12:46	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 12:46	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 12:46	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 12:46	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 12:46	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 12:46	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 12:46	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 12:46	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 12:46	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 12:46	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 12:46	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 12:46	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 12:46	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 12:46	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 12:46	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 12:46	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 12:46	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 12:46	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 12:46	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 12:46	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 12:46	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/25/23 12:46*	*1*

Client Sample ID: MW-304R
Date Collected: 10/18/23 16:52
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	121		80 - 128		10/25/23 12:46	1
Toluene-d8 (Surr)	95		80 - 120		10/25/23 12:46	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/25/23 09:30	10/25/23 17:51	1
Arsenic	**0.00120**	**J**	0.00200	0.000530	mg/L		10/25/23 09:30	10/25/23 17:51	1
Barium	**0.0491**		0.00200	0.000640	mg/L		10/25/23 09:30	10/25/23 17:51	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/25/23 09:30	10/25/23 17:51	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/25/23 09:30	10/25/23 17:51	1
Chromium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 17:51	1
Cobalt	**0.00283**		0.000500	0.000170	mg/L		10/27/23 10:30	10/30/23 12:56	1
Copper	<0.00180		0.00500	0.00180	mg/L		10/25/23 09:30	10/25/23 17:51	1
Lead	<0.000240		0.000500	0.000240	mg/L		10/25/23 09:30	10/25/23 17:51	1
Nickel	<0.00190		0.00500	0.00190	mg/L		10/25/23 09:30	10/25/23 17:51	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/25/23 09:30	10/25/23 17:51	1
Silver	<0.000500		0.00100	0.000500	mg/L		10/25/23 09:30	10/25/23 17:51	1
Thallium	**0.000835**	**J**	0.00100	0.000260	mg/L		10/25/23 09:30	10/25/23 17:51	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 17:51	1
Zinc	<0.00640		0.0200	0.00640	mg/L		10/25/23 09:30	10/25/23 17:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**38.0**		15.0	5.10	mg/L			10/23/23 12:11	1

Client Sample Results

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: MW-305
Date Collected: 10/18/23 16:05
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/25/23 13:09	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 13:09	1
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 13:09	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 13:09	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 13:09	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 13:09	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 13:09	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 13:09	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 13:09	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 13:09	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/25/23 13:09	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 13:09	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 13:09	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 13:09	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 13:09	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/25/23 13:09	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 13:09	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 13:09	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 13:09	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 13:09	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 13:09	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/25/23 13:09	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 13:09	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 13:09	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 13:09	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 13:09	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 13:09	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 13:09	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 13:09	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 13:09	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 13:09	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 13:09	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 13:09	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 13:09	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 13:09	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 13:09	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 13:09	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 13:09	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 13:09	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 13:09	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 13:09	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 13:09	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 13:09	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 13:09	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 13:09	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 13:09	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*10/25/23 13:09*	*1*

Client Sample ID: MW-305 **Lab Sample ID: 310-267708-11**
Date Collected: 10/18/23 16:05 **Matrix: Water**
Date Received: 10/19/23 17:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*121*		*80 - 128*		*10/25/23 13:09*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/25/23 13:09*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/25/23 09:30	10/25/23 18:08	1
Arsenic	**0.00204**		0.00200	0.000530	mg/L		10/25/23 09:30	10/25/23 18:08	1
Barium	**0.0616**		0.00200	0.000640	mg/L		10/25/23 09:30	10/25/23 18:08	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/25/23 09:30	10/25/23 18:08	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/25/23 09:30	10/25/23 18:08	1
Chromium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 18:08	1
Cobalt	**0.00249**		0.000500	0.000170	mg/L		11/01/23 09:20	11/02/23 15:26	1
Copper	<0.00180		0.00500	0.00180	mg/L		10/25/23 09:30	10/25/23 18:08	1
Lead	<0.000240		0.000500	0.000240	mg/L		10/25/23 09:30	10/25/23 18:08	1
Nickel	**0.00325**	**J**	0.00500	0.00190	mg/L		10/25/23 09:30	10/25/23 18:08	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/25/23 09:30	10/25/23 18:08	1
Silver	<0.000500		0.00100	0.000500	mg/L		10/25/23 09:30	10/25/23 18:08	1
Thallium	<0.000260		0.00100	0.000260	mg/L		10/25/23 09:30	10/25/23 18:08	1
Vanadium	**0.00193**	**J**	0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 18:08	1
Zinc	<0.00640		0.0200	0.00640	mg/L		10/25/23 09:30	10/25/23 18:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**45.0**		15.0	5.10	mg/L			10/23/23 12:11	1

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: MW-29
Date Collected: 10/18/23 14:00
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-12
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*10/25/23 13:32*	*1*
Dibromofluoromethane (Surr)	*120*		*80 - 128*		*10/25/23 13:32*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/25/23 13:32*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00137**		0.000500	0.000170	mg/L		11/01/23 09:20	11/02/23 15:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**24.0**		7.50	2.55	mg/L			10/23/23 12:11	1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Client Sample ID: MW-15
Date Collected: 10/18/23 13:17
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-13
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/25/23 13:55	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 13:55	1
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 13:55	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 13:55	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 13:55	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 13:55	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 13:55	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 13:55	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 13:55	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 13:55	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/25/23 13:55	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 13:55	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 13:55	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 13:55	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 13:55	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/25/23 13:55	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 13:55	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 13:55	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 13:55	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 13:55	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 13:55	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/25/23 13:55	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 13:55	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 13:55	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 13:55	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 13:55	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 13:55	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 13:55	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 13:55	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 13:55	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 13:55	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 13:55	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 13:55	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 13:55	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 13:55	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 13:55	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 13:55	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 13:55	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 13:55	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 13:55	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 13:55	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 13:55	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 13:55	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 13:55	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 13:55	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 13:55	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/25/23 13:55*	*1*

Client Sample ID: MW-15
Date Collected: 10/18/23 13:17
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-13
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*118*		*80 - 128*		*10/25/23 13:55*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*10/25/23 13:55*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/25/23 09:30	10/25/23 18:15	1
Arsenic	**0.00147**	**J**	0.00200	0.000530	mg/L		10/25/23 09:30	10/25/23 18:15	1
Barium	**0.153**		0.00200	0.000640	mg/L		10/25/23 09:30	10/25/23 18:15	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/25/23 09:30	10/25/23 18:15	1
Cadmium	**0.000134**	**J**	0.000200	0.000100	mg/L		10/25/23 09:30	10/25/23 18:15	1
Chromium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 18:15	1
Cobalt	**0.00330**		0.000500	0.000170	mg/L		11/01/23 09:20	11/02/23 15:30	1
Copper	<0.00180		0.00500	0.00180	mg/L		10/25/23 09:30	10/25/23 18:15	1
Lead	<0.000240		0.000500	0.000240	mg/L		10/25/23 09:30	10/25/23 18:15	1
Nickel	**0.00867**		0.00500	0.00190	mg/L		10/25/23 09:30	10/25/23 18:15	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/25/23 09:30	10/25/23 18:15	1
Silver	<0.000500		0.00100	0.000500	mg/L		10/25/23 09:30	10/25/23 18:15	1
Thallium	<0.000260		0.00100	0.000260	mg/L		10/25/23 09:30	10/25/23 18:15	1
Vanadium	**0.00127**	**J**	0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 18:15	1
Zinc	**0.0126**	**J**	0.0200	0.00640	mg/L		10/25/23 09:30	10/25/23 18:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**5.13**		1.88	0.638	mg/L			10/23/23 12:11	1

Client Sample ID: GU-P

Lab Sample ID: 310-267708-14

Date Collected: 10/19/23 08:45

Matrix: Water

Date Received: 10/19/23 17:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/25/23 14:18	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 14:18	1
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 14:18	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 14:18	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 14:18	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 14:18	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 14:18	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 14:18	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 14:18	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 14:18	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/25/23 14:18	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 14:18	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 14:18	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 14:18	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 14:18	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/25/23 14:18	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 14:18	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 14:18	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 14:18	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 14:18	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 14:18	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/25/23 14:18	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 14:18	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 14:18	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 14:18	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 14:18	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 14:18	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 14:18	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 14:18	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 14:18	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 14:18	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 14:18	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 14:18	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 14:18	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 14:18	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 14:18	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 14:18	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 14:18	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 14:18	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 14:18	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 14:18	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 14:18	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 14:18	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 14:18	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 14:18	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 14:18	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/25/23 14:18*	*1*

Client Sample Results

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: GU-P
Date Collected: 10/19/23 08:45
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-14
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	120		80 - 128		10/25/23 14:18	1
Toluene-d8 (Surr)	95		80 - 120		10/25/23 14:18	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/25/23 09:30	10/25/23 18:18	1
Arsenic	**0.00255**		0.00200	0.000530	mg/L		10/25/23 09:30	10/25/23 18:18	1
Barium	**0.308**		0.00200	0.000640	mg/L		10/25/23 09:30	10/25/23 18:18	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/25/23 09:30	10/25/23 18:18	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/25/23 09:30	10/25/23 18:18	1
Chromium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 18:18	1
Cobalt	**0.000645**		0.000500	0.000170	mg/L		11/01/23 09:20	11/02/23 15:32	1
Copper	<0.00180		0.00500	0.00180	mg/L		10/25/23 09:30	10/25/23 18:18	1
Lead	<0.000240		0.000500	0.000240	mg/L		10/25/23 09:30	10/25/23 18:18	1
Nickel	<0.00190		0.00500	0.00190	mg/L		10/25/23 09:30	10/25/23 18:18	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/25/23 09:30	10/25/23 18:18	1
Silver	<0.000500		0.00100	0.000500	mg/L		10/25/23 09:30	10/25/23 18:18	1
Thallium	<0.000260		0.00100	0.000260	mg/L		10/25/23 09:30	10/25/23 18:18	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 18:18	1
Zinc	<0.00640		0.0200	0.00640	mg/L		10/25/23 09:30	10/25/23 18:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**18.0**		7.50	2.55	mg/L			10/24/23 09:41	1

Client Sample Results

Client: HDR Inc
Job ID: 310-267708-1
Project/Site: CRLCSWA_2

Client Sample ID: TB-1
Lab Sample ID: 310-267708-15
Date Collected: 10/19/23 00:00
Matrix: Water
Date Received: 10/19/23 17:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/25/23 10:53	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 10:53	1
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 10:53	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 10:53	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 10:53	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 10:53	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 10:53	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 10:53	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 10:53	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 10:53	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/25/23 10:53	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 10:53	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 10:53	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 10:53	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 10:53	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/25/23 10:53	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 10:53	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 10:53	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 10:53	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 10:53	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 10:53	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/25/23 10:53	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 10:53	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 10:53	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 10:53	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 10:53	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 10:53	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 10:53	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 10:53	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 10:53	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 10:53	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 10:53	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 10:53	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 10:53	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 10:53	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 10:53	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 10:53	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 10:53	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 10:53	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 10:53	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 10:53	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 10:53	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 10:53	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 10:53	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 10:53	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 10:53	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 10:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/25/23 10:53*	*1*

Client Sample Results

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: TB-1
Date Collected: 10/19/23 00:00
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-15
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	120		80 - 128		10/25/23 10:53	1
Toluene-d8 (Surr)	94		80 - 120		10/25/23 10:53	1

Client Sample Results

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: MW-20

Date Collected: 10/19/23 11:47
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-16
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.64**	**J**	10.0	3.10	ug/L			10/25/23 14:40	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 14:40	1
Benzene	**3.66**		0.500	0.220	ug/L			10/25/23 14:40	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 14:40	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 14:40	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 14:40	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 14:40	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 14:40	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 14:40	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 14:40	1
Chlorobenzene	**7.42**		1.00	0.400	ug/L			10/25/23 14:40	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 14:40	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 14:40	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 14:40	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 14:40	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/25/23 14:40	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 14:40	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 14:40	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 14:40	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 14:40	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 14:40	1
1,4-Dichlorobenzene	**0.477**	**J**	1.00	0.230	ug/L			10/25/23 14:40	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 14:40	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 14:40	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 14:40	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 14:40	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 14:40	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 14:40	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 14:40	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 14:40	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 14:40	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 14:40	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 14:40	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 14:40	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 14:40	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 14:40	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 14:40	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 14:40	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 14:40	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 14:40	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 14:40	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 14:40	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 14:40	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 14:40	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 14:40	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 14:40	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*10/25/23 14:40*	*1*

Eurofins Cedar Falls

Client Sample ID: MW-20
Date Collected: 10/19/23 11:47
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-16
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*120*		*80 - 128*		*10/25/23 14:40*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/25/23 14:40*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/25/23 09:30	10/25/23 18:21	1
Arsenic	**0.0208**		0.00200	0.000530	mg/L		10/25/23 09:30	10/25/23 18:21	1
Barium	**1.39**		0.00200	0.000640	mg/L		10/25/23 09:30	10/25/23 18:21	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/25/23 09:30	10/25/23 18:21	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/25/23 09:30	10/25/23 18:21	1
Chromium	**0.00199**	**J**	0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 18:21	1
Cobalt	**0.00562**	**B**	0.000500	0.000170	mg/L		10/25/23 09:30	10/25/23 18:21	1
Copper	<0.00180		0.00500	0.00180	mg/L		10/25/23 09:30	10/25/23 18:21	1
Lead	<0.000240		0.000500	0.000240	mg/L		10/25/23 09:30	10/25/23 18:21	1
Nickel	**0.0296**		0.00500	0.00190	mg/L		10/25/23 09:30	10/25/23 18:21	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/25/23 09:30	10/25/23 18:21	1
Silver	<0.000500		0.00100	0.000500	mg/L		10/25/23 09:30	10/25/23 18:21	1
Thallium	<0.000260		0.00100	0.000260	mg/L		10/25/23 09:30	10/25/23 18:21	1
Vanadium	**0.00439**	**J**	0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 18:21	1
Zinc	<0.00640		0.0200	0.00640	mg/L		10/25/23 09:30	10/25/23 18:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**50.0**		15.0	5.10	mg/L			10/25/23 09:45	1

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: MW-24
Date Collected: 10/18/23 15:10
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-17
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/25/23 15:03	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 15:03	1
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 15:03	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 15:03	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 15:03	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 15:03	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 15:03	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 15:03	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 15:03	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 15:03	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/25/23 15:03	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 15:03	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 15:03	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 15:03	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 15:03	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/25/23 15:03	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 15:03	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 15:03	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 15:03	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 15:03	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 15:03	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/25/23 15:03	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 15:03	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 15:03	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 15:03	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 15:03	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 15:03	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 15:03	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 15:03	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 15:03	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 15:03	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 15:03	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 15:03	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 15:03	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 15:03	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 15:03	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 15:03	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 15:03	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 15:03	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 15:03	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 15:03	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 15:03	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 15:03	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 15:03	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 15:03	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 15:03	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/25/23 15:03*	*1*

Eurofins Cedar Falls

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Client Sample ID: MW-24

Date Collected: 10/18/23 15:10
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-17

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*122*		*80 - 128*		*10/25/23 15:03*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/25/23 15:03*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/25/23 09:30	10/25/23 18:25	1
Arsenic	**0.000677**	**J**	0.00200	0.000530	mg/L		10/25/23 09:30	10/25/23 18:25	1
Barium	**0.0510**		0.00200	0.000640	mg/L		10/25/23 09:30	10/25/23 18:25	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/25/23 09:30	10/25/23 18:25	1
Cadmium	**0.000488**		0.000200	0.000100	mg/L		10/25/23 09:30	10/25/23 18:25	1
Chromium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 18:25	1
Cobalt	**0.00278**		0.000500	0.000170	mg/L		10/27/23 10:30	10/30/23 12:58	1
Copper	**0.00316**	**J**	0.00500	0.00180	mg/L		10/25/23 09:30	10/25/23 18:25	1
Lead	<0.000240		0.000500	0.000240	mg/L		10/25/23 09:30	10/25/23 18:25	1
Nickel	**0.0223**		0.00500	0.00190	mg/L		10/25/23 09:30	10/25/23 18:25	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/25/23 09:30	10/25/23 18:25	1
Silver	<0.000500		0.00100	0.000500	mg/L		10/25/23 09:30	10/25/23 18:25	1
Thallium	<0.000260		0.00100	0.000260	mg/L		10/25/23 09:30	10/25/23 18:25	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 18:25	1
Zinc	**0.00697**	**J**	0.0200	0.00640	mg/L		10/25/23 09:30	10/25/23 18:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**0.750**	**J**	1.88	0.638	mg/L			10/23/23 12:11	1

Client: HDR Inc Job ID: 310-267708-1
Project/Site: CRLCSWA_2

Client Sample ID: MW-19 **Lab Sample ID: 310-267708-18**
Date Collected: 10/18/23 17:32 **Matrix: Water**
Date Received: 10/19/23 17:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/25/23 15:25	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 15:25	1
Benzene	**0.221**	**J**	0.500	0.220	ug/L			10/25/23 15:25	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 15:25	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 15:25	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 15:25	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 15:25	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 15:25	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 15:25	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 15:25	1
Chlorobenzene	**2.19**		1.00	0.400	ug/L			10/25/23 15:25	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 15:25	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 15:25	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 15:25	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 15:25	1
cis-1,2-Dichloroethene	**0.338**	**J**	1.00	0.210	ug/L			10/25/23 15:25	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 15:25	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 15:25	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 15:25	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 15:25	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 15:25	1
1,4-Dichlorobenzene	**3.13**		1.00	0.230	ug/L			10/25/23 15:25	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 15:25	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 15:25	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 15:25	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 15:25	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 15:25	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 15:25	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 15:25	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 15:25	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 15:25	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 15:25	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 15:25	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 15:25	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 15:25	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 15:25	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 15:25	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 15:25	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 15:25	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 15:25	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 15:25	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 15:25	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 15:25	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 15:25	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 15:25	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 15:25	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*10/25/23 15:25*	*1*

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Client Sample ID: MW-19

Date Collected: 10/18/23 17:32
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-18

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*119*		*80 - 128*		*10/25/23 15:25*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/25/23 15:25*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/25/23 09:30	10/25/23 18:28	1
Arsenic	**0.00313**		0.00200	0.000530	mg/L		10/25/23 09:30	10/25/23 18:28	1
Barium	**0.0421**		0.00200	0.000640	mg/L		10/25/23 09:30	10/25/23 18:28	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/25/23 09:30	10/25/23 18:28	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/25/23 09:30	10/25/23 18:28	1
Chromium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 18:28	1
Cobalt	**0.0190**	**B**	0.000500	0.000170	mg/L		10/25/23 09:30	10/25/23 18:28	1
Copper	<0.00180		0.00500	0.00180	mg/L		10/25/23 09:30	10/25/23 18:28	1
Lead	<0.000240		0.000500	0.000240	mg/L		10/25/23 09:30	10/25/23 18:28	1
Nickel	**0.0198**		0.00500	0.00190	mg/L		10/25/23 09:30	10/25/23 18:28	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/25/23 09:30	10/25/23 18:28	1
Silver	<0.000500		0.00100	0.000500	mg/L		10/25/23 09:30	10/25/23 18:28	1
Thallium	<0.000260		0.00100	0.000260	mg/L		10/25/23 09:30	10/25/23 18:28	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 18:28	1
Zinc	**0.0101**	**J**	0.0200	0.00640	mg/L		10/25/23 09:30	10/25/23 18:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**17.3**		5.00	1.70	mg/L			10/23/23 12:11	1

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: Dup-1
Date Collected: 10/18/23 11:00
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-19
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/25/23 15:48	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 15:48	1
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 15:48	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 15:48	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 15:48	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 15:48	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 15:48	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 15:48	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 15:48	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 15:48	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/25/23 15:48	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 15:48	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 15:48	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 15:48	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 15:48	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/25/23 15:48	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 15:48	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 15:48	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 15:48	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 15:48	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 15:48	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/25/23 15:48	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 15:48	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 15:48	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 15:48	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 15:48	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 15:48	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 15:48	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 15:48	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 15:48	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 15:48	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 15:48	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 15:48	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 15:48	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 15:48	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 15:48	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 15:48	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 15:48	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 15:48	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 15:48	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 15:48	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 15:48	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 15:48	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 15:48	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 15:48	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 15:48	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/25/23 15:48*	*1*

Client Sample ID: Dup-1 **Lab Sample ID: 310-267708-19**
Date Collected: 10/18/23 11:00 **Matrix: Water**
Date Received: 10/19/23 17:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*122*		*80 - 128*		*10/25/23 15:48*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*10/25/23 15:48*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/25/23 09:30	10/25/23 18:35	1
Arsenic	**0.000966**	**J**	0.00200	0.000530	mg/L		10/25/23 09:30	10/25/23 18:35	1
Barium	**0.0507**		0.00200	0.000640	mg/L		10/25/23 09:30	10/25/23 18:35	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/25/23 09:30	10/25/23 18:35	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/25/23 09:30	10/25/23 18:35	1
Chromium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 18:35	1
Cobalt	**0.00189**		0.000500	0.000170	mg/L		10/27/23 10:30	10/30/23 13:00	1
Copper	<0.00180		0.00500	0.00180	mg/L		10/25/23 09:30	10/25/23 18:35	1
Lead	<0.000240		0.000500	0.000240	mg/L		10/25/23 09:30	10/25/23 18:35	1
Nickel	**0.00370**	**J**	0.00500	0.00190	mg/L		10/25/23 09:30	10/25/23 18:35	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/25/23 09:30	10/25/23 18:35	1
Silver	<0.000500		0.00100	0.000500	mg/L		10/25/23 09:30	10/25/23 18:35	1
Thallium	<0.000260		0.00100	0.000260	mg/L		10/25/23 09:30	10/25/23 18:35	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 18:35	1
Zinc	**0.0132**	**J**	0.0200	0.00640	mg/L		10/25/23 09:30	10/25/23 18:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**2.75**		1.88	0.638	mg/L			10/23/23 12:11	1

Client Sample Results

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: MW-302R
Date Collected: 10/18/23 15:25
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-20
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/25/23 16:11	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 16:11	1
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 16:11	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 16:11	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 16:11	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 16:11	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 16:11	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 16:11	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 16:11	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 16:11	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/25/23 16:11	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 16:11	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 16:11	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 16:11	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 16:11	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/25/23 16:11	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 16:11	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 16:11	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 16:11	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 16:11	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 16:11	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/25/23 16:11	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 16:11	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 16:11	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 16:11	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 16:11	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 16:11	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 16:11	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 16:11	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 16:11	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 16:11	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 16:11	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 16:11	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 16:11	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 16:11	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 16:11	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 16:11	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 16:11	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 16:11	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 16:11	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 16:11	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 16:11	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 16:11	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 16:11	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 16:11	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 16:11	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/25/23 16:11*	*1*

Eurofins Cedar Falls

Client Sample Results

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: MW-302R
Date Collected: 10/18/23 15:25
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-20
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*121*		*80 - 128*		*10/25/23 16:11*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*10/25/23 16:11*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/25/23 09:30	10/25/23 18:38	1
Arsenic	**0.000787**	**J**	0.00200	0.000530	mg/L		10/25/23 09:30	10/25/23 18:38	1
Barium	**0.116**		0.00200	0.000640	mg/L		10/25/23 09:30	10/25/23 18:38	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/25/23 09:30	10/25/23 18:38	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/25/23 09:30	10/25/23 18:38	1
Chromium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 18:38	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		10/27/23 10:30	10/30/23 13:02	1
Copper	<0.00180		0.00500	0.00180	mg/L		10/25/23 09:30	10/25/23 18:38	1
Lead	<0.000240		0.000500	0.000240	mg/L		10/25/23 09:30	10/25/23 18:38	1
Nickel	<0.00190		0.00500	0.00190	mg/L		10/25/23 09:30	10/25/23 18:38	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/25/23 09:30	10/25/23 18:38	1
Silver	<0.000500		0.00100	0.000500	mg/L		10/25/23 09:30	10/25/23 18:38	1
Thallium	<0.000260		0.00100	0.000260	mg/L		10/25/23 09:30	10/25/23 18:38	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 18:38	1
Zinc	**0.00959**	**J**	0.0200	0.00640	mg/L		10/25/23 09:30	10/25/23 18:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**6.38**		1.88	0.638	mg/L			10/23/23 12:11	1

Client Sample Results

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: TB-2

Lab Sample ID: 310-267708-21

Date Collected: 10/18/23 00:00
Date Received: 10/19/23 17:30

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/25/23 11:16	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 11:16	1
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 11:16	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 11:16	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 11:16	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 11:16	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 11:16	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 11:16	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 11:16	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 11:16	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/25/23 11:16	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 11:16	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 11:16	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 11:16	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 11:16	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/25/23 11:16	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 11:16	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 11:16	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 11:16	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 11:16	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 11:16	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/25/23 11:16	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 11:16	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 11:16	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 11:16	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 11:16	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 11:16	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 11:16	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 11:16	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 11:16	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 11:16	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 11:16	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 11:16	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 11:16	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 11:16	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 11:16	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 11:16	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 11:16	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 11:16	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 11:16	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 11:16	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 11:16	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 11:16	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 11:16	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 11:16	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 11:16	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 11:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/25/23 11:16*	*1*

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: TB-2
Date Collected: 10/18/23 00:00
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-21
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	118		80 - 128		10/25/23 11:16	1
Toluene-d8 (Surr)	94		80 - 120		10/25/23 11:16	1

Client Sample ID: MW-307A
Date Collected: 10/19/23 11:25
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-22
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/25/23 16:34*	*1*
Dibromofluoromethane (Surr)	*118*		*80 - 128*		*10/25/23 16:34*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*10/25/23 16:34*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.000793**		0.000500	0.000170	mg/L		11/01/23 09:20	11/02/23 15:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**27.0**		15.0	5.10	mg/L			10/24/23 09:41	1

Client Sample Results

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: MW-501
Date Collected: 10/18/23 12:55
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-23
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/25/23 16:56	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 16:56	1
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 16:56	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 16:56	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 16:56	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 16:56	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 16:56	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 16:56	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 16:56	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 16:56	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/25/23 16:56	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 16:56	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 16:56	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 16:56	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 16:56	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/25/23 16:56	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 16:56	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 16:56	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 16:56	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 16:56	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 16:56	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/25/23 16:56	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 16:56	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 16:56	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 16:56	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 16:56	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 16:56	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 16:56	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 16:56	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 16:56	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 16:56	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 16:56	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 16:56	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 16:56	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 16:56	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 16:56	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 16:56	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 16:56	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 16:56	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 16:56	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 16:56	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 16:56	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 16:56	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 16:56	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 16:56	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 16:56	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/25/23 16:56*	*1*

Eurofins Cedar Falls

Client Sample Results

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: MW-501
Date Collected: 10/18/23 12:55
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-23
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*121*		*80 - 128*		*10/25/23 16:56*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*10/25/23 16:56*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/25/23 09:30	10/25/23 18:58	1
Arsenic	**0.00421**		0.00200	0.000530	mg/L		10/25/23 09:30	10/25/23 18:58	1
Barium	**0.0584**		0.00200	0.000640	mg/L		10/25/23 09:30	10/25/23 18:58	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/25/23 09:30	10/25/23 18:58	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/25/23 09:30	10/25/23 18:58	1
Chromium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 18:58	1
Cobalt	**0.00606**	**B**	0.000500	0.000170	mg/L		10/25/23 09:30	10/25/23 18:58	1
Copper	**0.00263**	**J**	0.00500	0.00180	mg/L		10/25/23 09:30	10/25/23 18:58	1
Lead	**0.000830**		0.000500	0.000240	mg/L		10/25/23 09:30	10/25/23 18:58	1
Nickel	**0.00834**		0.00500	0.00190	mg/L		10/25/23 09:30	10/25/23 18:58	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/25/23 09:30	10/25/23 18:58	1
Silver	<0.000500		0.00100	0.000500	mg/L		10/25/23 09:30	10/25/23 18:58	1
Thallium	<0.000260		0.00100	0.000260	mg/L		10/25/23 09:30	10/25/23 18:58	1
Vanadium	**0.00135**	**J**	0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 18:58	1
Zinc	**0.00964**	**J**	0.0200	0.00640	mg/L		10/25/23 09:30	10/25/23 18:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**202**		15.0	5.10	mg/L			10/23/23 12:11	1

Client: HDR Inc	Job ID: 310-267708-1
Project/Site: CRLCSWA_2

Client Sample ID: MW-502	**Lab Sample ID: 310-267708-24**
Date Collected: 10/19/23 10:25	**Matrix: Water**
Date Received: 10/19/23 17:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/25/23 17:19	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 17:19	1
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 17:19	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 17:19	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 17:19	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 17:19	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 17:19	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 17:19	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 17:19	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 17:19	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/25/23 17:19	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 17:19	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 17:19	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 17:19	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 17:19	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/25/23 17:19	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 17:19	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 17:19	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 17:19	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 17:19	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 17:19	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/25/23 17:19	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 17:19	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 17:19	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 17:19	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 17:19	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 17:19	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 17:19	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 17:19	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 17:19	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 17:19	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 17:19	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 17:19	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 17:19	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 17:19	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 17:19	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 17:19	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 17:19	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 17:19	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 17:19	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 17:19	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 17:19	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 17:19	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 17:19	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 17:19	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 17:19	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/25/23 17:19*	*1*

Eurofins Cedar Falls

Client Sample ID: MW-502
Date Collected: 10/19/23 10:25
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-24
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	119		80 - 128		10/25/23 17:19	1
Toluene-d8 (Surr)	95		80 - 120		10/25/23 17:19	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/25/23 09:30	10/25/23 19:01	1
Arsenic	**0.000578**	**J**	0.00200	0.000530	mg/L		10/25/23 09:30	10/25/23 19:01	1
Barium	**0.247**		0.00200	0.000640	mg/L		10/25/23 09:30	10/25/23 19:01	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/25/23 09:30	10/25/23 19:01	1
Cadmium	**0.000105**	**J**	0.000200	0.000100	mg/L		10/25/23 09:30	10/25/23 19:01	1
Chromium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 19:01	1
Cobalt	**0.00158**		0.000500	0.000170	mg/L		11/01/23 09:20	11/02/23 15:37	1
Copper	**0.00439**	**J**	0.00500	0.00180	mg/L		10/25/23 09:30	10/25/23 19:01	1
Lead	**0.00177**		0.000500	0.000240	mg/L		10/25/23 09:30	10/25/23 19:01	1
Nickel	**0.00355**	**J**	0.00500	0.00190	mg/L		10/25/23 09:30	10/25/23 19:01	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/25/23 09:30	10/25/23 19:01	1
Silver	<0.000500		0.00100	0.000500	mg/L		10/25/23 09:30	10/25/23 19:01	1
Thallium	<0.000260		0.00100	0.000260	mg/L		10/25/23 09:30	10/25/23 19:01	1
Vanadium	**0.00270**	**J**	0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 19:01	1
Zinc	<0.00640		0.0200	0.00640	mg/L		10/25/23 09:30	10/25/23 19:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**251**		15.0	5.10	mg/L			10/25/23 09:45	1

Client Sample Results

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: EQ-1
Date Collected: 10/19/23 14:47
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-25
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.89	J	10.0	3.10	ug/L			10/25/23 17:42	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 17:42	1
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 17:42	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 17:42	1
Bromodichloromethane	1.77		1.00	0.390	ug/L			10/25/23 17:42	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 17:42	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 17:42	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 17:42	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 17:42	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 17:42	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/25/23 17:42	1
Chlorodibromomethane	1.38	J	5.00	0.750	ug/L			10/25/23 17:42	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 17:42	1
Chloroform	2.27	J	3.00	1.30	ug/L			10/25/23 17:42	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 17:42	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/25/23 17:42	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 17:42	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 17:42	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 17:42	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 17:42	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 17:42	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/25/23 17:42	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 17:42	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 17:42	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 17:42	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 17:42	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 17:42	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 17:42	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 17:42	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 17:42	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 17:42	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 17:42	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 17:42	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 17:42	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 17:42	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 17:42	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 17:42	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 17:42	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 17:42	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 17:42	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 17:42	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 17:42	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 17:42	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 17:42	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 17:42	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 17:42	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/25/23 17:42*	*1*

Eurofins Cedar Falls

Client Sample Results

Client: HDR Inc
Job ID: 310-267708-1
Project/Site: CRLCSWA_2

Client Sample ID: EQ-1
Lab Sample ID: 310-267708-25
Date Collected: 10/19/23 14:47
Matrix: Water
Date Received: 10/19/23 17:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*119*		*80 - 128*		*10/25/23 17:42*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*10/25/23 17:42*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/25/23 09:30	10/25/23 20:31	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		10/25/23 09:30	10/25/23 20:31	1
Barium	<0.000640		0.00200	0.000640	mg/L		10/25/23 09:30	10/25/23 20:31	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/25/23 09:30	10/25/23 20:31	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/25/23 09:30	10/25/23 20:31	1
Chromium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 20:31	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		10/25/23 09:30	10/25/23 20:31	1
Copper	<0.00180		0.00500	0.00180	mg/L		10/25/23 09:30	10/25/23 20:31	1
Lead	<0.000240		0.000500	0.000240	mg/L		10/25/23 09:30	10/25/23 20:31	1
Nickel	<0.00190		0.00500	0.00190	mg/L		10/25/23 09:30	10/25/23 20:31	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/25/23 09:30	10/25/23 20:31	1
Silver	<0.000500		0.00100	0.000500	mg/L		10/25/23 09:30	10/25/23 20:31	1
Thallium	<0.000260		0.00100	0.000260	mg/L		10/25/23 09:30	10/25/23 20:31	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 20:31	1
Zinc	**0.00682**	**J**	0.0200	0.00640	mg/L		10/25/23 09:30	10/25/23 20:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<0.638		1.88	0.638	mg/L			10/24/23 08:59	1

Client Sample ID: MW-301
Date Collected: 10/19/23 12:31
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-26
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/25/23 18:05	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 18:05	1
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 18:05	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 18:05	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 18:05	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 18:05	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 18:05	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 18:05	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 18:05	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 18:05	1
Chlorobenzene	**0.524**	**J**	1.00	0.400	ug/L			10/25/23 18:05	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 18:05	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 18:05	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 18:05	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 18:05	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/25/23 18:05	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 18:05	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 18:05	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 18:05	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 18:05	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 18:05	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/25/23 18:05	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 18:05	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 18:05	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 18:05	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 18:05	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 18:05	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 18:05	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 18:05	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 18:05	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 18:05	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 18:05	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 18:05	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 18:05	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 18:05	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 18:05	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 18:05	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 18:05	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 18:05	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 18:05	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 18:05	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 18:05	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 18:05	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 18:05	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 18:05	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 18:05	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*10/25/23 18:05*	*1*

Client Sample ID: MW-301 Lab Sample ID: 310-267708-26

Date Collected: 10/19/23 12:31 **Matrix: Water**
Date Received: 10/19/23 17:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*121*		*80 - 128*		*10/25/23 18:05*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*10/25/23 18:05*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.00192**	**J**	0.00200	0.00100	mg/L		10/25/23 09:30	10/25/23 19:55	1
Arsenic	**0.0101**		0.00200	0.000530	mg/L		10/25/23 09:30	10/25/23 19:55	1
Barium	**0.0807**	**B**	0.00200	0.000640	mg/L		10/25/23 09:30	10/25/23 19:55	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/25/23 09:30	10/25/23 19:55	1
Cadmium	**0.000260**		0.000200	0.000100	mg/L		10/25/23 09:30	10/25/23 19:55	1
Chromium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 19:55	1
Cobalt	**0.00517**		0.000500	0.000170	mg/L		10/27/23 10:30	10/30/23 13:21	1
Copper	**0.00189**	**J**	0.00500	0.00180	mg/L		10/25/23 09:30	10/25/23 19:55	1
Lead	**0.000829**		0.000500	0.000240	mg/L		10/25/23 09:30	10/25/23 19:55	1
Nickel	**0.00816**		0.00500	0.00190	mg/L		10/25/23 09:30	10/25/23 19:55	1
Selenium	**0.00219**	**J**	0.00500	0.00140	mg/L		10/25/23 09:30	10/25/23 19:55	1
Silver	**0.00116**		0.00100	0.000500	mg/L		10/25/23 09:30	10/25/23 19:55	1
Thallium	**0.0129**		0.00100	0.000260	mg/L		10/25/23 09:30	10/25/23 19:55	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 19:55	1
Zinc	<0.00640		0.0200	0.00640	mg/L		10/25/23 09:30	10/25/23 19:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**180**		15.0	5.10	mg/L			10/24/23 08:59	1

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: MW-201B
Date Collected: 10/19/23 09:35
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-27
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/26/23 15:51	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/26/23 15:51	1
Benzene	<0.220		0.500	0.220	ug/L			10/26/23 15:51	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/26/23 15:51	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/26/23 15:51	1
Bromoform	<0.780		5.00	0.780	ug/L			10/26/23 15:51	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/26/23 15:51	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/26/23 15:51	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/26/23 15:51	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/26/23 15:51	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/26/23 15:51	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/26/23 15:51	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/26/23 15:51	1
Chloroform	<1.30		3.00	1.30	ug/L			10/26/23 15:51	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/26/23 15:51	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/26/23 15:51	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/26/23 15:51	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/26/23 15:51	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/26/23 15:51	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/26/23 15:51	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/26/23 15:51	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/26/23 15:51	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/26/23 15:51	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/26/23 15:51	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/26/23 15:51	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/26/23 15:51	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/26/23 15:51	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/26/23 15:51	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/26/23 15:51	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/26/23 15:51	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/26/23 15:51	1
Styrene	<0.370		1.00	0.370	ug/L			10/26/23 15:51	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/26/23 15:51	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/26/23 15:51	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/26/23 15:51	1
Toluene	<0.430		1.00	0.430	ug/L			10/26/23 15:51	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/26/23 15:51	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/26/23 15:51	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/26/23 15:51	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/26/23 15:51	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/26/23 15:51	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/26/23 15:51	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/26/23 15:51	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/26/23 15:51	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/26/23 15:51	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/26/23 15:51	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/26/23 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/26/23 15:51*	*1*

Client Sample ID: MW-201B

Date Collected: 10/19/23 09:35
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-27

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*80 - 128*		*10/26/23 15:51*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/26/23 15:51*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.00110**	**J**	0.00200	0.00100	mg/L		10/25/23 09:30	10/25/23 19:58	1
Arsenic	**0.00118**	**J**	0.00200	0.000530	mg/L		10/25/23 09:30	10/25/23 19:58	1
Barium	**0.0620**	**B**	0.00200	0.000640	mg/L		10/25/23 09:30	10/25/23 19:58	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/25/23 09:30	10/25/23 19:58	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/25/23 09:30	10/25/23 19:58	1
Chromium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 19:58	1
Cobalt	**0.000251**	**J**	0.000500	0.000170	mg/L		10/27/23 10:30	10/30/23 13:24	1
Copper	**0.00195**	**J**	0.00500	0.00180	mg/L		10/25/23 09:30	10/25/23 19:58	1
Lead	**0.000438**	**J**	0.000500	0.000240	mg/L		10/25/23 09:30	10/25/23 19:58	1
Nickel	<0.00190		0.00500	0.00190	mg/L		10/25/23 09:30	10/25/23 19:58	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/25/23 09:30	10/25/23 19:58	1
Silver	<0.000500		0.00100	0.000500	mg/L		10/25/23 09:30	10/25/23 19:58	1
Thallium	**0.000899**	**J**	0.00100	0.000260	mg/L		10/25/23 09:30	10/25/23 19:58	1
Vanadium	**0.00205**	**J**	0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 19:58	1
Zinc	**0.0110**	**J**	0.0200	0.00640	mg/L		10/25/23 09:30	10/25/23 19:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		10/25/23 17:18	10/25/23 19:11	1
Total Suspended Solids (USGS I-3765-85)	**8.13**		1.88	0.638	mg/L			10/25/23 09:45	1

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: MW-9AR
Date Collected: 10/19/23 09:48
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-28
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/25/23 23:06	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 23:06	1
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 23:06	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 23:06	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 23:06	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 23:06	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 23:06	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 23:06	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 23:06	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 23:06	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/25/23 23:06	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 23:06	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 23:06	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 23:06	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 23:06	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/25/23 23:06	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 23:06	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 23:06	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 23:06	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 23:06	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 23:06	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/25/23 23:06	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 23:06	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 23:06	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 23:06	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 23:06	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 23:06	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 23:06	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 23:06	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 23:06	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 23:06	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 23:06	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 23:06	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 23:06	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 23:06	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 23:06	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 23:06	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 23:06	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 23:06	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 23:06	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 23:06	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 23:06	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 23:06	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 23:06	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 23:06	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 23:06	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 23:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*10/25/23 23:06*	*1*

Client Sample Results

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: MW-9AR
Date Collected: 10/19/23 09:48
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-28
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*80 - 128*		*10/25/23 23:06*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/25/23 23:06*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/25/23 09:30	10/25/23 20:01	1
Arsenic	**0.00335**		0.00200	0.000530	mg/L		10/25/23 09:30	10/25/23 20:01	1
Barium	**0.413**	**B**	0.00200	0.000640	mg/L		10/25/23 09:30	10/25/23 20:01	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/25/23 09:30	10/25/23 20:01	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/25/23 09:30	10/25/23 20:01	1
Chromium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 20:01	1
Cobalt	**0.00243**		0.000500	0.000170	mg/L		10/27/23 10:30	10/30/23 13:26	1
Copper	<0.00180		0.00500	0.00180	mg/L		10/25/23 09:30	10/25/23 20:01	1
Lead	<0.000240		0.000500	0.000240	mg/L		10/25/23 09:30	10/25/23 20:01	1
Nickel	**0.00257**	**J**	0.00500	0.00190	mg/L		10/25/23 09:30	10/25/23 20:01	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/25/23 09:30	10/25/23 20:01	1
Silver	<0.000500		0.00100	0.000500	mg/L		10/25/23 09:30	10/25/23 20:01	1
Thallium	<0.000260		0.00100	0.000260	mg/L		10/25/23 09:30	10/25/23 20:01	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 20:01	1
Zinc	<0.00640		0.0200	0.00640	mg/L		10/25/23 09:30	10/25/23 20:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		10/25/23 17:24	10/25/23 19:28	1
Total Suspended Solids (USGS I-3765-85)	**47.0**		15.0	5.10	mg/L			10/24/23 09:41	1

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: MW-22
Date Collected: 10/19/23 10:42
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-29
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/25/23 23:28	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 23:28	1
Benzene	**1.29**		0.500	0.220	ug/L			10/25/23 23:28	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 23:28	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 23:28	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 23:28	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 23:28	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 23:28	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 23:28	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 23:28	1
Chlorobenzene	**0.636**	**J**	1.00	0.400	ug/L			10/25/23 23:28	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 23:28	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 23:28	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 23:28	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 23:28	1
cis-1,2-Dichloroethene	**0.220**	**J**	1.00	0.210	ug/L			10/25/23 23:28	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 23:28	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 23:28	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 23:28	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 23:28	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 23:28	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/25/23 23:28	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 23:28	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 23:28	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 23:28	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 23:28	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 23:28	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 23:28	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 23:28	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 23:28	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 23:28	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 23:28	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 23:28	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 23:28	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 23:28	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 23:28	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 23:28	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 23:28	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 23:28	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 23:28	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 23:28	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 23:28	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 23:28	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 23:28	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 23:28	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 23:28	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 23:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*10/25/23 23:28*	*1*

Client Sample ID: MW-22
Date Collected: 10/19/23 10:42
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-29
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	103		80 - 128		10/25/23 23:28	1
Toluene-d8 (Surr)	96		80 - 120		10/25/23 23:28	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	<0.0370		0.0640	0.0370	ug/L		10/20/23 08:34	10/20/23 16:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	65		10 - 136	10/20/23 08:34	10/20/23 16:34	1
Tetrachloro-m-xylene	71		10 - 130	10/20/23 08:34	10/20/23 16:34	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	**0.145**		0.0505	0.0222	ug/L		10/25/23 15:55	10/26/23 10:12	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/25/23 09:30	10/25/23 20:05	1
Arsenic	**0.00272**		0.00200	0.000530	mg/L		10/25/23 09:30	10/25/23 20:05	1
Barium	**1.09**		0.00200	0.000640	mg/L		10/27/23 10:30	10/30/23 13:28	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/25/23 09:30	10/25/23 20:05	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/25/23 09:30	10/25/23 20:05	1
Chromium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 20:05	1
Cobalt	**0.000401**	**J**	0.000500	0.000170	mg/L		10/27/23 10:30	10/30/23 13:28	1
Copper	<0.00180		0.00500	0.00180	mg/L		10/25/23 09:30	10/25/23 20:05	1
Lead	<0.000240		0.000500	0.000240	mg/L		10/25/23 09:30	10/25/23 20:05	1
Nickel	**0.0334**		0.00500	0.00190	mg/L		10/25/23 09:30	10/25/23 20:05	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/25/23 09:30	10/25/23 20:05	1
Silver	<0.000500		0.00100	0.000500	mg/L		10/25/23 09:30	10/25/23 20:05	1
Thallium	<0.000260		0.00100	0.000260	mg/L		10/25/23 09:30	10/25/23 20:05	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 20:05	1
Zinc	<0.00640		0.0200	0.00640	mg/L		10/25/23 09:30	10/25/23 20:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**30.0**		15.0	5.10	mg/L			10/25/23 09:45	1

Client Sample ID: MW-303
Date Collected: 10/19/23 12:40
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-30
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/20/23 20:07	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/20/23 20:07	1
Benzene	<0.220		0.500	0.220	ug/L			10/20/23 20:07	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/20/23 20:07	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/20/23 20:07	1
Bromoform	<0.780		5.00	0.780	ug/L			10/20/23 20:07	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/20/23 20:07	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/20/23 20:07	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/20/23 20:07	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/20/23 20:07	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/20/23 20:07	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/20/23 20:07	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/20/23 20:07	1
Chloroform	<1.30		3.00	1.30	ug/L			10/20/23 20:07	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/20/23 20:07	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/20/23 20:07	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/20/23 20:07	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/20/23 20:07	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/20/23 20:07	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/20/23 20:07	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/20/23 20:07	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/20/23 20:07	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/20/23 20:07	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/20/23 20:07	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/20/23 20:07	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/20/23 20:07	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/20/23 20:07	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/20/23 20:07	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/20/23 20:07	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/20/23 20:07	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/20/23 20:07	1
Styrene	<0.370		1.00	0.370	ug/L			10/20/23 20:07	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/20/23 20:07	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/20/23 20:07	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/20/23 20:07	1
Toluene	<0.430		1.00	0.430	ug/L			10/20/23 20:07	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/20/23 20:07	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/20/23 20:07	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/20/23 20:07	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/20/23 20:07	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/20/23 20:07	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/20/23 20:07	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/20/23 20:07	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/20/23 20:07	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/20/23 20:07	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/20/23 20:07	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/20/23 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*10/20/23 20:07*	*1*

Client Sample ID: MW-303
Lab Sample ID: 310-267708-30
Date Collected: 10/19/23 12:40
Matrix: Water
Date Received: 10/19/23 17:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*96*		*80 - 128*		*10/20/23 20:07*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/20/23 20:07*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	<0.0330		0.0640	0.0330	ug/L		10/20/23 08:34	10/20/23 16:50	1
gamma-BHC (Lindane)	<0.0360		0.0640	0.0360	ug/L		10/20/23 08:34	10/20/23 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*57*		*10 - 136*	*10/20/23 08:34*	*10/20/23 16:50*	*1*
Tetrachloro-m-xylene	*69*		*10 - 130*	*10/20/23 08:34*	*10/20/23 16:50*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.249		0.597	0.249	ug/L		10/25/23 15:55	10/26/23 10:40	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/25/23 09:30	10/25/23 20:08	1
Arsenic	**0.00318**		0.00200	0.000530	mg/L		10/25/23 09:30	10/25/23 20:08	1
Barium	**0.0517**		0.00200	0.000640	mg/L		10/27/23 10:30	10/30/23 13:30	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/25/23 09:30	10/25/23 20:08	1
Cadmium	**0.00172**		0.000200	0.000100	mg/L		10/25/23 09:30	10/25/23 20:08	1
Chromium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 20:08	1
Cobalt	**0.0539**		0.000500	0.000170	mg/L		10/27/23 10:30	10/30/23 13:30	1
Copper	<0.00180		0.00500	0.00180	mg/L		10/25/23 09:30	10/25/23 20:08	1
Lead	<0.000240		0.000500	0.000240	mg/L		10/25/23 09:30	10/25/23 20:08	1
Nickel	**0.0613**		0.00500	0.00190	mg/L		10/25/23 09:30	10/25/23 20:08	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/25/23 09:30	10/25/23 20:08	1
Silver	<0.000500		0.00100	0.000500	mg/L		10/25/23 09:30	10/25/23 20:08	1
Thallium	<0.000260		0.00100	0.000260	mg/L		10/25/23 09:30	10/25/23 20:08	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 20:08	1
Zinc	<0.00640		0.0200	0.00640	mg/L		10/25/23 09:30	10/25/23 20:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**29.0**		15.0	5.10	mg/L			10/24/23 09:41	1

Client Sample Results

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: TB-4

Date Collected: 10/19/23 00:00
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-31
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/20/23 20:28	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/20/23 20:28	1
Benzene	<0.220		0.500	0.220	ug/L			10/20/23 20:28	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/20/23 20:28	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/20/23 20:28	1
Bromoform	<0.780		5.00	0.780	ug/L			10/20/23 20:28	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/20/23 20:28	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/20/23 20:28	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/20/23 20:28	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/20/23 20:28	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/20/23 20:28	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/20/23 20:28	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/20/23 20:28	1
Chloroform	<1.30		3.00	1.30	ug/L			10/20/23 20:28	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/20/23 20:28	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/20/23 20:28	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/20/23 20:28	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/20/23 20:28	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/20/23 20:28	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/20/23 20:28	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/20/23 20:28	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/20/23 20:28	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/20/23 20:28	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/20/23 20:28	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/20/23 20:28	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/20/23 20:28	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/20/23 20:28	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/20/23 20:28	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/20/23 20:28	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/20/23 20:28	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/20/23 20:28	1
Styrene	<0.370		1.00	0.370	ug/L			10/20/23 20:28	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/20/23 20:28	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/20/23 20:28	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/20/23 20:28	1
Toluene	<0.430		1.00	0.430	ug/L			10/20/23 20:28	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/20/23 20:28	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/20/23 20:28	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/20/23 20:28	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/20/23 20:28	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/20/23 20:28	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/20/23 20:28	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/20/23 20:28	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/20/23 20:28	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/20/23 20:28	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/20/23 20:28	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/20/23 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*10/20/23 20:28*	*1*

Client Sample ID: TB-4
Lab Sample ID: 310-267708-31
Date Collected: 10/19/23 00:00
Matrix: Water
Date Received: 10/19/23 17:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	95		80 - 128		10/20/23 20:28	1
Toluene-d8 (Surr)	98		80 - 120		10/20/23 20:28	1

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-128)	(80-120)
310-267544-D-1 MS	Matrix Spike	100	99	102
310-267544-D-1 MSD	Matrix Spike Duplicate	98	98	102
310-267556-D-1 MS	Matrix Spike	102	117	99
310-267556-D-1 MSD	Matrix Spike Duplicate	101	123	97
310-267708-1	GU-1	99	122	95
310-267708-2	GU-L	98	119	94
310-267708-3	GU-O	98	120	95
310-267708-4	MW-30	98	123	95
310-267708-5	MW-306	100	124	95
310-267708-6	Dup-2	97	120	94
310-267708-7	MW-300	101	119	95
310-267708-8	TB-3	96	120	95
310-267708-9	MW-18	99	121	94
310-267708-10	MW-304R	98	121	95
310-267708-11	MW-305	96	121	95
310-267708-12	MW-29	100	120	95
310-267708-12 MS	MW-29	100	124	95
310-267708-12 MSD	MW-29	99	123	94
310-267708-13	MW-15	98	118	94
310-267708-14	GU-P	98	120	95
310-267708-15	TB-1	98	120	94
310-267708-16	MW-20	100	120	96
310-267708-17	MW-24	98	122	95
310-267708-18	MW-19	100	119	95
310-267708-19	Dup-1	97	122	94
310-267708-20	MW-302R	99	121	93
310-267708-21	TB-2	98	118	94
310-267708-22	MW-307A	98	118	94
310-267708-23	MW-501	99	121	94
310-267708-24	MW-502	98	119	95
310-267708-25	EQ-1	99	119	93
310-267708-26	MW-301	100	121	94
310-267708-27	MW-201B	101	101	98
310-267708-28	MW-9AR	104	100	95
310-267708-29	MW-22	105	103	96
310-267708-29 MS	MW-22	102	104	103
310-267708-29 MSD	MW-22	99	104	102
310-267708-30	MW-303	105	96	98
310-267708-31	TB-4	106	95	98
310-267729-C-2 MS	Matrix Spike	100	100	105
310-267729-C-2 MSD	Matrix Spike Duplicate	98	96	102
LCS 310-403251/6	Lab Control Sample	100	96	103
LCS 310-403251/7	Lab Control Sample	104	100	96
LCS 310-403515/6	Lab Control Sample	99	102	100
LCS 310-403515/7	Lab Control Sample	98	123	94
LCS 310-403517/6	Lab Control Sample	99	103	100
LCS 310-403517/7	Lab Control Sample	98	118	96
LCS 310-403656/6	Lab Control Sample	100	103	101
LCS 310-403656/7	Lab Control Sample	106	102	97

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Matrix: Water | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-128)	(80-120)
LCS 310-403873/6	Lab Control Sample	98	95	102
LCS 310-403873/7	Lab Control Sample	104	98	100
MB 310-403251/5	Method Blank	104	97	99
MB 310-403515/5	Method Blank	96	120	94
MB 310-403517/5	Method Blank	99	119	94
MB 310-403656/5	Method Blank	107	100	97
MB 310-403873/5	Method Blank	103	101	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX2
Lab Sample ID	Client Sample ID	(10-136)	(10-130)
310-267708-29	MW-22	65	71
310-267708-30	MW-303	57	69
LCS 310-403179/4-A	Lab Control Sample	62	83
LCSD 310-403179/5-A	Lab Control Sample Dup	61	74

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(10-136)	(10-130)
MB 310-403179/1-A	Method Blank	61	58

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

Client: HDR Inc
Job ID: 310-267708-1
Project/Site: CRLCSWA_2

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-403251/5
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 403251

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/20/23 12:51	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/20/23 12:51	1
Benzene	<0.220		0.500	0.220	ug/L			10/20/23 12:51	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/20/23 12:51	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/20/23 12:51	1
Bromoform	<0.780		5.00	0.780	ug/L			10/20/23 12:51	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/20/23 12:51	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/20/23 12:51	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/20/23 12:51	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/20/23 12:51	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/20/23 12:51	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/20/23 12:51	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/20/23 12:51	1
Chloroform	<1.30		3.00	1.30	ug/L			10/20/23 12:51	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/20/23 12:51	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/20/23 12:51	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/20/23 12:51	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/20/23 12:51	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/20/23 12:51	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/20/23 12:51	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/20/23 12:51	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/20/23 12:51	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/20/23 12:51	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/20/23 12:51	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/20/23 12:51	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/20/23 12:51	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/20/23 12:51	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/20/23 12:51	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/20/23 12:51	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/20/23 12:51	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/20/23 12:51	1
Styrene	<0.370		1.00	0.370	ug/L			10/20/23 12:51	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/20/23 12:51	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/20/23 12:51	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/20/23 12:51	1
Toluene	<0.430		1.00	0.430	ug/L			10/20/23 12:51	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/20/23 12:51	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/20/23 12:51	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/20/23 12:51	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/20/23 12:51	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/20/23 12:51	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/20/23 12:51	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/20/23 12:51	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/20/23 12:51	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/20/23 12:51	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/20/23 12:51	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/20/23 12:51	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-403251/5 **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 403251

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*10/20/23 12:51*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 128*		*10/20/23 12:51*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/20/23 12:51*	*1*

Lab Sample ID: LCS 310-403251/6 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 403251

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	41.11		ug/L		103	50 - 150
Acrylonitrile	200	205.5		ug/L		103	50 - 150
Benzene	20.0	19.47		ug/L		97	73 - 122
Bromochloromethane	20.0	19.07		ug/L		95	68 - 132
Bromodichloromethane	20.0	19.39		ug/L		97	72 - 121
Bromoform	20.0	17.39		ug/L		87	55 - 129
2-Butanone (MEK)	40.0	44.30		ug/L		111	50 - 150
Carbon disulfide	20.0	18.48		ug/L		92	58 - 131
Carbon tetrachloride	20.0	19.44		ug/L		97	67 - 132
Chlorobenzene	20.0	19.24		ug/L		96	69 - 121
Chlorodibromomethane	20.0	18.79		ug/L		94	69 - 122
Chloroform	20.0	19.47		ug/L		97	72 - 120
cis-1,2-Dichloroethene	20.0	19.25		ug/L		96	74 - 120
cis-1,3-Dichloropropene	20.0	20.71		ug/L		104	71 - 126
1,2-Dibromo-3-Chloropropane	20.0	21.56		ug/L		108	50 - 150
1,2-Dibromoethane (EDB)	20.0	19.38		ug/L		97	73 - 125
Dibromomethane	20.0	18.88		ug/L		94	72 - 123
1,2-Dichlorobenzene	20.0	19.48		ug/L		97	68 - 120
1,4-Dichlorobenzene	20.0	18.84		ug/L		94	67 - 120
1,1-Dichloroethane	20.0	20.48		ug/L		102	71 - 123
1,2-Dichloroethane	20.0	19.59		ug/L		98	70 - 124
1,1-Dichloroethene	20.0	19.39		ug/L		97	61 - 129
1,2-Dichloropropane	20.0	20.37		ug/L		102	73 - 121
Ethylbenzene	20.0	20.00		ug/L		100	69 - 122
2-Hexanone	40.0	46.11		ug/L		115	60 - 132
Iodomethane	20.0	12.97		ug/L		65	10 - 150
Methylene Chloride	20.0	21.06		ug/L		105	50 - 150
4-Methyl-2-pentanone (MIBK)	40.0	45.89		ug/L		115	62 - 130
Styrene	20.0	19.42		ug/L		97	67 - 125
1,1,1,2-Tetrachloroethane	20.0	18.23		ug/L		91	68 - 123
1,1,2,2-Tetrachloroethane	20.0	19.45		ug/L		97	64 - 124
Tetrachloroethene	20.0	19.43		ug/L		97	69 - 131
Toluene	20.0	19.17		ug/L		96	72 - 121
trans-1,4-Dichloro-2-butene	20.0	19.83		ug/L		99	48 - 150
trans-1,2-Dichloroethene	20.0	19.28		ug/L		96	68 - 125
trans-1,3-Dichloropropene	20.0	21.16		ug/L		106	68 - 124
1,1,1-Trichloroethane	20.0	19.88		ug/L		99	71 - 128
1,1,2-Trichloroethane	20.0	19.78		ug/L		99	70 - 124
Trichloroethene	20.0	19.59		ug/L		98	73 - 126

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-403251/6
Matrix: Water
Analysis Batch: 403251
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	20.0	19.74		ug/L		99	64 - 125
Vinyl acetate	40.0	37.26		ug/L		93	50 - 150
Xylenes, Total	40.0	40.15		ug/L		100	68 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 128*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: LCS 310-403251/7
Matrix: Water
Analysis Batch: 403251
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	17.45		ug/L		87	24 - 150
Chloroethane	20.0	18.58		ug/L		93	51 - 137
Chloromethane	20.0	19.96		ug/L		100	37 - 150
Trichlorofluoromethane	20.0	18.45		ug/L		92	56 - 144
Vinyl chloride	20.0	20.19		ug/L		101	57 - 136

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 128*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: 310-267544-D-1 MS
Matrix: Water
Analysis Batch: 403251
Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	<3.10		50.0	44.40		ug/L		89	35 - 150
Acrylonitrile	<2.20		250	235.0		ug/L		94	50 - 150
Benzene	<0.220		25.0	21.25		ug/L		85	47 - 130
Bromochloromethane	<0.540		25.0	21.30		ug/L		85	54 - 132
Bromodichloromethane	<0.390		25.0	21.58		ug/L		86	58 - 130
Bromoform	<0.780		25.0	18.87		ug/L		75	42 - 130
2-Butanone (MEK)	<2.10		50.0	45.56		ug/L		91	47 - 150
Carbon disulfide	<0.450		25.0	20.32		ug/L		81	39 - 131
Carbon tetrachloride	<0.650		25.0	18.17		ug/L		73	45 - 132
Chlorobenzene	<0.400		25.0	20.99		ug/L		84	54 - 130
Chlorodibromomethane	<0.750		25.0	20.92		ug/L		84	53 - 130
Chloroform	<1.30		25.0	21.67		ug/L		87	55 - 130
cis-1,2-Dichloroethene	<0.210		25.0	21.82		ug/L		87	52 - 130
cis-1,3-Dichloropropene	<0.250		25.0	22.72		ug/L		91	55 - 130
1,2-Dibromo-3-Chloropropane	<1.20		25.0	24.10		ug/L		96	45 - 150
1,2-Dibromoethane (EDB)	<0.340		25.0	21.46		ug/L		86	59 - 130
Dibromomethane	<0.330		25.0	21.32		ug/L		85	61 - 130
1,2-Dichlorobenzene	<0.370		25.0	21.21		ug/L		85	53 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-267544-D-1 MS　　**Client Sample ID: Matrix Spike**
Matrix: Water　　**Prep Type: Total/NA**
Analysis Batch: 403251

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	<0.230		25.0	20.73		ug/L		83	53 - 130
1,1-Dichloroethane	<0.220		25.0	22.45		ug/L		90	53 - 130
1,2-Dichloroethane	<0.390		25.0	21.93		ug/L		88	57 - 130
1,1-Dichloroethene	<0.560		25.0	19.54		ug/L		78	39 - 130
1,2-Dichloropropane	<0.270		25.0	22.97		ug/L		92	60 - 130
Ethylbenzene	<0.310		25.0	21.27		ug/L		85	48 - 130
2-Hexanone	<2.00		50.0	50.48		ug/L		101	45 - 132
Iodomethane	<7.00		25.0	15.51		ug/L		62	10 - 150
Methylene Chloride	<1.70		25.0	23.88		ug/L		96	50 - 150
4-Methyl-2-pentanone (MIBK)	<2.10		50.0	50.76		ug/L		102	46 - 132
Styrene	<0.370		25.0	21.36		ug/L		85	46 - 130
1,1,1,2-Tetrachloroethane	<0.380		25.0	19.98		ug/L		80	52 - 130
1,1,2,2-Tetrachloroethane	<0.470		25.0	21.33		ug/L		85	51 - 130
Tetrachloroethene	<0.480		25.0	19.42		ug/L		78	42 - 131
Toluene	<0.430		25.0	20.97		ug/L		84	48 - 130
trans-1,4-Dichloro-2-butene	<1.10		25.0	21.68		ug/L		87	33 - 150
trans-1,2-Dichloroethene	<0.270		25.0	21.14		ug/L		85	54 - 130
trans-1,3-Dichloropropene	<0.560		25.0	22.83		ug/L		91	51 - 130
1,1,1-Trichloroethane	<0.190		25.0	20.15		ug/L		81	49 - 130
1,1,2-Trichloroethane	<0.450		25.0	21.91		ug/L		88	56 - 130
Trichloroethene	<0.430		25.0	20.45		ug/L		82	55 - 130
1,2,3-Trichloropropane	<0.590		25.0	20.63		ug/L		83	50 - 130
Vinyl acetate	<2.50		50.0	39.45		ug/L		79	34 - 150
Xylenes, Total	<0.400		50.0	42.64		ug/L		85	44 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 128*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 310-267544-D-1 MSD　　**Client Sample ID: Matrix Spike Duplicate**
Matrix: Water　　**Prep Type: Total/NA**
Analysis Batch: 403251

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	<3.10		50.0	43.90		ug/L		88	35 - 150	1	26
Acrylonitrile	<2.20		250	234.3		ug/L		94	50 - 150	0	21
Benzene	<0.220		25.0	20.88		ug/L		84	47 - 130	2	20
Bromochloromethane	<0.540		25.0	21.21		ug/L		85	54 - 132	0	20
Bromodichloromethane	<0.390		25.0	21.36		ug/L		85	58 - 130	1	20
Bromoform	<0.780		25.0	18.69		ug/L		75	42 - 130	1	20
2-Butanone (MEK)	<2.10		50.0	46.38		ug/L		93	47 - 150	2	20
Carbon disulfide	<0.450		25.0	19.25		ug/L		77	39 - 131	5	32
Carbon tetrachloride	<0.650		25.0	18.03		ug/L		72	45 - 132	1	20
Chlorobenzene	<0.400		25.0	20.28		ug/L		81	54 - 130	3	20
Chlorodibromomethane	<0.750		25.0	20.55		ug/L		82	53 - 130	2	20
Chloroform	<1.30		25.0	21.29		ug/L		85	55 - 130	2	20
cis-1,2-Dichloroethene	<0.210		25.0	21.47		ug/L		86	52 - 130	2	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-267544-D-1 MSD — **Client Sample ID: Matrix Spike Duplicate**

Matrix: Water — **Prep Type: Total/NA**

Analysis Batch: 403251

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	<0.250		25.0	22.12		ug/L		88	55 - 130	3	20
1,2-Dibromo-3-Chloropropane	<1.20		25.0	24.45		ug/L		98	45 - 150	1	20
1,2-Dibromoethane (EDB)	<0.340		25.0	21.00		ug/L		84	59 - 130	2	20
Dibromomethane	<0.330		25.0	21.41		ug/L		86	61 - 130	0	20
1,2-Dichlorobenzene	<0.370		25.0	21.11		ug/L		84	53 - 130	0	20
1,4-Dichlorobenzene	<0.230		25.0	20.56		ug/L		82	53 - 130	1	20
1,1-Dichloroethane	<0.220		25.0	22.38		ug/L		90	53 - 130	0	20
1,2-Dichloroethane	<0.390		25.0	21.77		ug/L		87	57 - 130	1	21
1,1-Dichloroethene	<0.560		25.0	19.32		ug/L		77	39 - 130	1	28
1,2-Dichloropropane	<0.270		25.0	22.78		ug/L		91	60 - 130	1	31
Ethylbenzene	<0.310		25.0	20.66		ug/L		83	48 - 130	3	20
2-Hexanone	<2.00		50.0	50.96		ug/L		102	45 - 132	1	20
Iodomethane	<7.00		25.0	19.12		ug/L		76	10 - 150	21	35
Methylene Chloride	<1.70		25.0	23.08		ug/L		92	50 - 150	3	24
4-Methyl-2-pentanone (MIBK)	<2.10		50.0	51.69		ug/L		103	46 - 132	2	20
Styrene	<0.370		25.0	20.71		ug/L		83	46 - 130	3	20
1,1,1,2-Tetrachloroethane	<0.380		25.0	19.65		ug/L		79	52 - 130	2	20
1,1,2,2-Tetrachloroethane	<0.470		25.0	20.80		ug/L		83	51 - 130	3	20
Tetrachloroethene	<0.480		25.0	18.94		ug/L		76	42 - 131	2	20
Toluene	<0.430		25.0	20.82		ug/L		83	48 - 130	1	20
trans-1,4-Dichloro-2-butene	<1.10		25.0	23.58		ug/L		94	33 - 150	8	20
trans-1,2-Dichloroethene	<0.270		25.0	20.44		ug/L		82	54 - 130	3	24
trans-1,3-Dichloropropene	<0.560		25.0	23.26		ug/L		93	51 - 130	2	20
1,1,1-Trichloroethane	<0.190		25.0	19.99		ug/L		80	49 - 130	1	20
1,1,2-Trichloroethane	<0.450		25.0	21.72		ug/L		87	56 - 130	1	20
Trichloroethene	<0.430		25.0	19.66		ug/L		79	55 - 130	4	20
1,2,3-Trichloropropane	<0.590		25.0	20.52		ug/L		82	50 - 130	1	20
Vinyl acetate	<2.50		50.0	40.91		ug/L		82	34 - 150	4	27
Xylenes, Total	<0.400		50.0	41.60		ug/L		83	44 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 128*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 310-403515/5 — **Client Sample ID: Method Blank**

Matrix: Water — **Prep Type: Total/NA**

Analysis Batch: 403515

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/24/23 22:46	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/24/23 22:46	1
Benzene	<0.220		0.500	0.220	ug/L			10/24/23 22:46	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/24/23 22:46	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/24/23 22:46	1
Bromoform	<0.780		5.00	0.780	ug/L			10/24/23 22:46	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/24/23 22:46	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/24/23 22:46	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-403515/5
Matrix: Water
Analysis Batch: 403515

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/24/23 22:46	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/24/23 22:46	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/24/23 22:46	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/24/23 22:46	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/24/23 22:46	1
Chloroform	<1.30		3.00	1.30	ug/L			10/24/23 22:46	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/24/23 22:46	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/24/23 22:46	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/24/23 22:46	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/24/23 22:46	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/24/23 22:46	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/24/23 22:46	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/24/23 22:46	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/24/23 22:46	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/24/23 22:46	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/24/23 22:46	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/24/23 22:46	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/24/23 22:46	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/24/23 22:46	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/24/23 22:46	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/24/23 22:46	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/24/23 22:46	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/24/23 22:46	1
Styrene	<0.370		1.00	0.370	ug/L			10/24/23 22:46	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/24/23 22:46	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/24/23 22:46	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/24/23 22:46	1
Toluene	<0.430		1.00	0.430	ug/L			10/24/23 22:46	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/24/23 22:46	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/24/23 22:46	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/24/23 22:46	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/24/23 22:46	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/24/23 22:46	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/24/23 22:46	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/24/23 22:46	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/24/23 22:46	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/24/23 22:46	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/24/23 22:46	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/24/23 22:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*10/24/23 22:46*	*1*
Dibromofluoromethane (Surr)	*120*		*80 - 128*		*10/24/23 22:46*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*10/24/23 22:46*	*1*

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-403515/6
Matrix: Water
Analysis Batch: 403515

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	37.41		ug/L		94	50 - 150
Acrylonitrile	200	211.6		ug/L		106	50 - 150
Benzene	20.0	21.85		ug/L		109	73 - 122
Bromochloromethane	20.0	22.01		ug/L		110	68 - 132
Bromodichloromethane	20.0	21.93		ug/L		110	72 - 121
Bromoform	20.0	20.10		ug/L		101	55 - 129
2-Butanone (MEK)	40.0	42.42		ug/L		106	50 - 150
Carbon disulfide	20.0	17.49		ug/L		87	58 - 131
Carbon tetrachloride	20.0	22.66		ug/L		113	67 - 132
Chlorobenzene	20.0	20.71		ug/L		104	69 - 121
Chlorodibromomethane	20.0	21.14		ug/L		106	69 - 122
Chloroform	20.0	20.34		ug/L		102	72 - 120
cis-1,2-Dichloroethene	20.0	20.51		ug/L		103	74 - 120
cis-1,3-Dichloropropene	20.0	22.23		ug/L		111	71 - 126
1,2-Dibromo-3-Chloropropane	20.0	19.48		ug/L		97	50 - 150
1,2-Dibromoethane (EDB)	20.0	21.40		ug/L		107	73 - 125
Dibromomethane	20.0	22.15		ug/L		111	72 - 123
1,2-Dichlorobenzene	20.0	20.51		ug/L		103	68 - 120
1,4-Dichlorobenzene	20.0	20.94		ug/L		105	67 - 120
1,1-Dichloroethane	20.0	19.93		ug/L		100	71 - 123
1,2-Dichloroethane	20.0	21.98		ug/L		110	70 - 124
1,1-Dichloroethene	20.0	17.12		ug/L		86	61 - 129
1,2-Dichloropropane	20.0	22.80		ug/L		114	73 - 121
Ethylbenzene	20.0	21.27		ug/L		106	69 - 122
2-Hexanone	40.0	40.12		ug/L		100	60 - 132
Iodomethane	20.0	16.64		ug/L		83	10 - 150
Methylene Chloride	20.0	18.68		ug/L		93	50 - 150
4-Methyl-2-pentanone (MIBK)	40.0	42.60		ug/L		106	62 - 130
Styrene	20.0	21.10		ug/L		106	67 - 125
1,1,1,2-Tetrachloroethane	20.0	21.15		ug/L		106	68 - 123
1,1,2,2-Tetrachloroethane	20.0	20.16		ug/L		101	64 - 124
Tetrachloroethene	20.0	21.57		ug/L		108	69 - 131
Toluene	20.0	21.22		ug/L		106	72 - 121
trans-1,4-Dichloro-2-butene	20.0	20.08		ug/L		100	48 - 150
trans-1,2-Dichloroethene	20.0	20.89		ug/L		104	68 - 125
trans-1,3-Dichloropropene	20.0	21.25		ug/L		106	68 - 124
1,1,1-Trichloroethane	20.0	22.33		ug/L		112	71 - 128
1,1,2-Trichloroethane	20.0	21.86		ug/L		109	70 - 124
Trichloroethene	20.0	21.84		ug/L		109	73 - 126
1,2,3-Trichloropropane	20.0	20.63		ug/L		103	64 - 125
Vinyl acetate	40.0	42.17		ug/L		105	50 - 150
Xylenes, Total	40.0	41.69		ug/L		104	68 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 128*
Toluene-d8 (Surr)	*100*		*80 - 120*

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-403515/7
Matrix: Water
Analysis Batch: 403515

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromomethane			20.0	20.96		ug/L		105	24 - 150		
Chloroethane			20.0	23.49		ug/L		117	51 - 137		
Chloromethane			20.0	22.73		ug/L		114	37 - 150		
Trichlorofluoromethane			20.0	24.65		ug/L		123	56 - 144		
Vinyl chloride			20.0	23.66		ug/L		118	57 - 136		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*123*		*80 - 128*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: 310-267556-D-1 MS
Matrix: Water
Analysis Batch: 403515

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromomethane	<1.10		20.0	17.64		ug/L		88	24 - 150		
Chloroethane	<0.790		20.0	21.37		ug/L		107	51 - 137		
Chloromethane	<0.610		20.0	21.26		ug/L		106	37 - 150		
Trichlorofluoromethane	<0.380		20.0	22.68		ug/L		113	56 - 144		
Vinyl chloride	<0.180		20.0	21.71		ug/L		109	57 - 136		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*117*		*80 - 128*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 310-267556-D-1 MSD
Matrix: Water
Analysis Batch: 403515

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromomethane	<1.10		20.0	18.63		ug/L		93	24 - 150	5	30
Chloroethane	<0.790		20.0	20.78		ug/L		104	51 - 137	3	30
Chloromethane	<0.610		20.0	20.71		ug/L		104	37 - 150	3	30
Trichlorofluoromethane	<0.380		20.0	22.82		ug/L		114	56 - 144	1	30
Vinyl chloride	<0.180		20.0	20.64		ug/L		103	57 - 136	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*123*		*80 - 128*
Toluene-d8 (Surr)	*97*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-403517/5
Matrix: Water
Analysis Batch: 403517

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/25/23 09:45	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 09:45	1
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 09:45	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 09:45	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 09:45	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 09:45	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 09:45	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 09:45	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 09:45	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 09:45	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/25/23 09:45	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 09:45	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 09:45	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 09:45	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 09:45	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/25/23 09:45	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 09:45	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 09:45	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 09:45	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 09:45	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 09:45	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/25/23 09:45	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 09:45	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 09:45	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 09:45	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 09:45	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 09:45	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 09:45	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 09:45	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 09:45	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 09:45	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 09:45	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 09:45	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 09:45	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 09:45	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 09:45	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 09:45	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 09:45	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 09:45	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 09:45	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 09:45	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 09:45	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 09:45	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 09:45	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 09:45	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 09:45	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 09:45	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-403517/5
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 403517

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/25/23 09:45*	*1*
Dibromofluoromethane (Surr)	*119*		*80 - 128*		*10/25/23 09:45*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*10/25/23 09:45*	*1*

Lab Sample ID: LCS 310-403517/6
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 403517

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	38.55		ug/L		96	50 - 150
Acrylonitrile	200	208.0		ug/L		104	50 - 150
Benzene	20.0	20.85		ug/L		104	73 - 122
Bromochloromethane	20.0	21.27		ug/L		106	68 - 132
Bromodichloromethane	20.0	20.91		ug/L		105	72 - 121
Bromoform	20.0	19.03		ug/L		95	55 - 129
2-Butanone (MEK)	40.0	41.39		ug/L		103	50 - 150
Carbon disulfide	20.0	16.17		ug/L		81	58 - 131
Carbon tetrachloride	20.0	21.33		ug/L		107	67 - 132
Chlorobenzene	20.0	19.49		ug/L		97	69 - 121
Chlorodibromomethane	20.0	19.88		ug/L		99	69 - 122
Chloroform	20.0	19.47		ug/L		97	72 - 120
cis-1,2-Dichloroethene	20.0	19.70		ug/L		98	74 - 120
cis-1,3-Dichloropropene	20.0	20.44		ug/L		102	71 - 126
1,2-Dibromo-3-Chloropropane	20.0	18.26		ug/L		91	50 - 150
1,2-Dibromoethane (EDB)	20.0	20.27		ug/L		101	73 - 125
Dibromomethane	20.0	21.53		ug/L		108	72 - 123
1,2-Dichlorobenzene	20.0	19.18		ug/L		96	68 - 120
1,4-Dichlorobenzene	20.0	19.23		ug/L		96	67 - 120
1,1-Dichloroethane	20.0	19.48		ug/L		97	71 - 123
1,2-Dichloroethane	20.0	21.43		ug/L		107	70 - 124
1,1-Dichloroethene	20.0	16.17		ug/L		81	61 - 129
1,2-Dichloropropane	20.0	21.72		ug/L		109	73 - 121
Ethylbenzene	20.0	19.88		ug/L		99	69 - 122
2-Hexanone	40.0	39.16		ug/L		98	60 - 132
Iodomethane	20.0	14.79		ug/L		74	10 - 150
Methylene Chloride	20.0	18.18		ug/L		91	50 - 150
4-Methyl-2-pentanone (MIBK)	40.0	39.97		ug/L		100	62 - 130
Styrene	20.0	19.81		ug/L		99	67 - 125
1,1,1,2-Tetrachloroethane	20.0	19.96		ug/L		100	68 - 123
1,1,2,2-Tetrachloroethane	20.0	19.07		ug/L		95	64 - 124
Tetrachloroethene	20.0	19.59		ug/L		98	69 - 131
Toluene	20.0	19.95		ug/L		100	72 - 121
trans-1,4-Dichloro-2-butene	20.0	18.16		ug/L		91	48 - 150
trans-1,2-Dichloroethene	20.0	19.63		ug/L		98	68 - 125
trans-1,3-Dichloropropene	20.0	20.04		ug/L		100	68 - 124
1,1,1-Trichloroethane	20.0	21.09		ug/L		105	71 - 128
1,1,2-Trichloroethane	20.0	20.80		ug/L		104	70 - 124
Trichloroethene	20.0	20.78		ug/L		104	73 - 126

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-403517/6
Matrix: Water
Analysis Batch: 403517

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane			20.0	19.22		ug/L		96	64 - 125
Vinyl acetate			40.0	38.46		ug/L		96	50 - 150
Xylenes, Total			40.0	38.81		ug/L		97	68 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 128*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCS 310-403517/7
Matrix: Water
Analysis Batch: 403517

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane			20.0	20.16		ug/L		101	24 - 150
Chloroethane			20.0	22.33		ug/L		112	51 - 137
Chloromethane			20.0	21.98		ug/L		110	37 - 150
Trichlorofluoromethane			20.0	23.48		ug/L		117	56 - 144
Vinyl chloride			20.0	22.77		ug/L		114	57 - 136

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*118*		*80 - 128*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: 310-267708-12 MS
Matrix: Water
Analysis Batch: 403517

Client Sample ID: MW-29
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	<1.10		20.0	19.23		ug/L		96	24 - 150
Chloroethane	<0.790		20.0	22.43		ug/L		112	51 - 137
Chloromethane	<0.610		20.0	21.62		ug/L		108	37 - 150
Trichlorofluoromethane	<0.380		20.0	21.92		ug/L		110	56 - 144
Vinyl chloride	<0.180		20.0	21.50		ug/L		107	57 - 136

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*124*		*80 - 128*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: 310-267708-12 MSD
Matrix: Water
Analysis Batch: 403517

Client Sample ID: MW-29
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromomethane	<1.10		20.0	20.11		ug/L		101	24 - 150	5	30
Chloroethane	<0.790		20.0	21.73		ug/L		109	51 - 137	3	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-267708-12 MSD
Matrix: Water
Analysis Batch: 403517

Client Sample ID: MW-29
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane	<0.610		20.0	21.15		ug/L		106	37 - 150	2	30
Trichlorofluoromethane	<0.380		20.0	21.91		ug/L		110	56 - 144	0	30
Vinyl chloride	<0.180		20.0	21.01		ug/L		105	57 - 136	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*123*		*80 - 128*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: MB 310-403656/5
Matrix: Water
Analysis Batch: 403656

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/25/23 20:34	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/25/23 20:34	1
Benzene	<0.220		0.500	0.220	ug/L			10/25/23 20:34	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			10/25/23 20:34	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/25/23 20:34	1
Bromoform	<0.780		5.00	0.780	ug/L			10/25/23 20:34	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/25/23 20:34	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/25/23 20:34	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			10/25/23 20:34	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/25/23 20:34	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/25/23 20:34	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/25/23 20:34	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/25/23 20:34	1
Chloroform	<1.30		3.00	1.30	ug/L			10/25/23 20:34	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/25/23 20:34	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/25/23 20:34	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/25/23 20:34	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/25/23 20:34	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			10/25/23 20:34	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/25/23 20:34	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/25/23 20:34	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/25/23 20:34	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/25/23 20:34	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/25/23 20:34	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/25/23 20:34	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/25/23 20:34	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/25/23 20:34	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/25/23 20:34	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/25/23 20:34	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/25/23 20:34	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/25/23 20:34	1
Styrene	<0.370		1.00	0.370	ug/L			10/25/23 20:34	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/25/23 20:34	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/25/23 20:34	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-403656/5
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 403656

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/25/23 20:34	1
Toluene	<0.430		1.00	0.430	ug/L			10/25/23 20:34	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/25/23 20:34	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/25/23 20:34	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/25/23 20:34	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/25/23 20:34	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/25/23 20:34	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/25/23 20:34	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/25/23 20:34	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/25/23 20:34	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/25/23 20:34	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/25/23 20:34	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/25/23 20:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*10/25/23 20:34*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 128*		*10/25/23 20:34*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/25/23 20:34*	*1*

Lab Sample ID: LCS 310-403656/6
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 403656

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	39.85		ug/L		100	50 - 150
Acrylonitrile	200	183.2		ug/L		92	50 - 150
Benzene	20.0	18.68		ug/L		93	73 - 122
Bromochloromethane	20.0	20.35		ug/L		102	68 - 132
Bromodichloromethane	20.0	18.50		ug/L		92	72 - 121
Bromoform	20.0	16.82		ug/L		84	55 - 129
2-Butanone (MEK)	40.0	37.01		ug/L		93	50 - 150
Carbon disulfide	20.0	19.04		ug/L		95	58 - 131
Carbon tetrachloride	20.0	18.87		ug/L		94	67 - 132
Chlorobenzene	20.0	18.30		ug/L		91	69 - 121
Chlorodibromomethane	20.0	18.61		ug/L		93	69 - 122
Chloroform	20.0	19.15		ug/L		96	72 - 120
cis-1,2-Dichloroethene	20.0	19.81		ug/L		99	74 - 120
cis-1,3-Dichloropropene	20.0	18.47		ug/L		92	71 - 126
1,2-Dibromo-3-Chloropropane	20.0	16.91		ug/L		85	50 - 150
1,2-Dibromoethane (EDB)	20.0	18.66		ug/L		93	73 - 125
Dibromomethane	20.0	19.00		ug/L		95	72 - 123
1,2-Dichlorobenzene	20.0	18.40		ug/L		92	68 - 120
1,4-Dichlorobenzene	20.0	18.03		ug/L		90	67 - 120
1,1-Dichloroethane	20.0	19.63		ug/L		98	71 - 123
1,2-Dichloroethane	20.0	18.09		ug/L		90	70 - 124
1,1-Dichloroethene	20.0	19.19		ug/L		96	61 - 129
1,2-Dichloropropane	20.0	19.24		ug/L		96	73 - 121
Ethylbenzene	20.0	18.65		ug/L		93	69 - 122

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-403656/6
Matrix: Water
Analysis Batch: 403656

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	38.14		ug/L		95	60 - 132
Iodomethane	20.0	14.47		ug/L		72	10 - 150
Methylene Chloride	20.0	21.38		ug/L		107	50 - 150
4-Methyl-2-pentanone (MIBK)	40.0	37.65		ug/L		94	62 - 130
Styrene	20.0	18.35		ug/L		92	67 - 125
1,1,1,2-Tetrachloroethane	20.0	17.30		ug/L		87	68 - 123
1,1,2,2-Tetrachloroethane	20.0	17.17		ug/L		86	64 - 124
Tetrachloroethene	20.0	19.96		ug/L		100	69 - 131
Toluene	20.0	18.87		ug/L		94	72 - 121
trans-1,4-Dichloro-2-butene	20.0	15.16		ug/L		76	48 - 150
trans-1,2-Dichloroethene	20.0	19.48		ug/L		97	68 - 125
trans-1,3-Dichloropropene	20.0	18.39		ug/L		92	68 - 124
1,1,1-Trichloroethane	20.0	19.38		ug/L		97	71 - 128
1,1,2-Trichloroethane	20.0	18.61		ug/L		93	70 - 124
Trichloroethene	20.0	18.04		ug/L		90	73 - 126
1,2,3-Trichloropropane	20.0	17.41		ug/L		87	64 - 125
Vinyl acetate	40.0	33.26		ug/L		83	50 - 150
Xylenes, Total	40.0	38.08		ug/L		95	68 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 128*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCS 310-403656/7
Matrix: Water
Analysis Batch: 403656

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	16.81		ug/L		84	24 - 150
Chloroethane	20.0	16.88		ug/L		84	51 - 137
Chloromethane	20.0	15.66		ug/L		78	37 - 150
Trichlorofluoromethane	20.0	17.62		ug/L		88	56 - 144
Vinyl chloride	20.0	17.19		ug/L		86	57 - 136

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 128*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 310-267708-29 MS
Matrix: Water
Analysis Batch: 403656

Client Sample ID: MW-22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	<3.10		50.0	43.22		ug/L		86	35 - 150
Acrylonitrile	<2.20		250	215.5		ug/L		86	50 - 150
Benzene	1.29		25.0	22.60		ug/L		85	47 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-267708-29 MS
Matrix: Water
Analysis Batch: 403656

Client Sample ID: MW-22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromochloromethane	<0.540		25.0	23.24		ug/L		93	54 - 132
Bromodichloromethane	<0.390		25.0	21.26		ug/L		85	58 - 130
Bromoform	<0.780		25.0	19.37		ug/L		77	42 - 130
2-Butanone (MEK)	<2.10		50.0	42.37		ug/L		85	47 - 150
Carbon disulfide	<0.450		25.0	22.45		ug/L		90	39 - 131
Carbon tetrachloride	<0.650		25.0	19.88		ug/L		80	45 - 132
Chlorobenzene	0.636	J	25.0	21.76		ug/L		85	54 - 130
Chlorodibromomethane	<0.750		25.0	21.18		ug/L		85	53 - 130
Chloroform	<1.30		25.0	22.26		ug/L		89	55 - 130
cis-1,2-Dichloroethene	0.220	J	25.0	22.83		ug/L		90	52 - 130
cis-1,3-Dichloropropene	<0.250		25.0	20.39		ug/L		82	55 - 130
1,2-Dibromo-3-Chloropropane	<1.20		25.0	20.76		ug/L		83	45 - 150
1,2-Dibromoethane (EDB)	<0.340		25.0	21.95		ug/L		88	59 - 130
Dibromomethane	<0.330		25.0	22.30		ug/L		89	61 - 130
1,2-Dichlorobenzene	<0.370		25.0	21.01		ug/L		84	53 - 130
1,4-Dichlorobenzene	<0.230		25.0	20.71		ug/L		83	53 - 130
1,1-Dichloroethane	<0.220		25.0	22.07		ug/L		88	53 - 130
1,2-Dichloroethane	<0.390		25.0	21.56		ug/L		86	57 - 130
1,1-Dichloroethene	<0.560		25.0	20.71		ug/L		83	39 - 130
1,2-Dichloropropane	<0.270		25.0	21.86		ug/L		87	60 - 130
Ethylbenzene	<0.310		25.0	20.62		ug/L		82	48 - 130
2-Hexanone	<2.00		50.0	47.00		ug/L		94	45 - 132
Iodomethane	<7.00		25.0	14.29		ug/L		57	10 - 150
Methylene Chloride	<1.70		25.0	25.61		ug/L		102	50 - 150
4-Methyl-2-pentanone (MIBK)	<2.10		50.0	45.53		ug/L		91	46 - 132
Styrene	<0.370		25.0	21.39		ug/L		86	46 - 130
1,1,1,2-Tetrachloroethane	<0.380		25.0	20.02		ug/L		80	52 - 130
1,1,2,2-Tetrachloroethane	<0.470		25.0	21.08		ug/L		84	51 - 130
Tetrachloroethene	<0.480		25.0	20.53		ug/L		82	42 - 131
Toluene	<0.430		25.0	21.46		ug/L		86	48 - 130
trans-1,4-Dichloro-2-butene	<1.10		25.0	16.75		ug/L		67	33 - 150
trans-1,2-Dichloroethene	<0.270		25.0	22.09		ug/L		88	54 - 130
trans-1,3-Dichloropropene	<0.560		25.0	20.54		ug/L		82	51 - 130
1,1,1-Trichloroethane	<0.190		25.0	20.31		ug/L		81	49 - 130
1,1,2-Trichloroethane	<0.450		25.0	21.16		ug/L		85	56 - 130
Trichloroethene	<0.430		25.0	19.97		ug/L		80	55 - 130
1,2,3-Trichloropropane	<0.590		25.0	20.68		ug/L		83	50 - 130
Vinyl acetate	<2.50		50.0	37.29		ug/L		75	34 - 150
Xylenes, Total	<0.400		50.0	42.06		ug/L		84	44 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 128*
Toluene-d8 (Surr)	*103*		*80 - 120*

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-267708-29 MSD
Matrix: Water
Analysis Batch: 403656

Client Sample ID: MW-22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	<3.10		50.0	39.62		ug/L		79	35 - 150	9	26
Acrylonitrile	<2.20		250	196.1		ug/L		78	50 - 150	9	21
Benzene	1.29		25.0	20.24		ug/L		76	47 - 130	11	20
Bromochloromethane	<0.540		25.0	20.64		ug/L		83	54 - 132	12	20
Bromodichloromethane	<0.390		25.0	19.64		ug/L		79	58 - 130	8	20
Bromoform	<0.780		25.0	18.32		ug/L		73	42 - 130	6	20
2-Butanone (MEK)	<2.10		50.0	38.21		ug/L		76	47 - 150	10	20
Carbon disulfide	<0.450		25.0	19.75		ug/L		79	39 - 131	13	32
Carbon tetrachloride	<0.650		25.0	18.11		ug/L		72	45 - 132	9	20
Chlorobenzene	0.636	J	25.0	19.63		ug/L		76	54 - 130	10	20
Chlorodibromomethane	<0.750		25.0	19.62		ug/L		78	53 - 130	8	20
Chloroform	<1.30		25.0	19.92		ug/L		80	55 - 130	11	20
cis-1,2-Dichloroethene	0.220	J	25.0	20.42		ug/L		81	52 - 130	11	20
cis-1,3-Dichloropropene	<0.250		25.0	18.84		ug/L		75	55 - 130	8	20
1,2-Dibromo-3-Chloropropane	<1.20		25.0	19.90		ug/L		80	45 - 150	4	20
1,2-Dibromoethane (EDB)	<0.340		25.0	19.43		ug/L		78	59 - 130	12	20
Dibromomethane	<0.330		25.0	20.40		ug/L		82	61 - 130	9	20
1,2-Dichlorobenzene	<0.370		25.0	19.50		ug/L		78	53 - 130	7	20
1,4-Dichlorobenzene	<0.230		25.0	19.19		ug/L		77	53 - 130	8	20
1,1-Dichloroethane	<0.220		25.0	20.20		ug/L		81	53 - 130	9	20
1,2-Dichloroethane	<0.390		25.0	19.27		ug/L		77	57 - 130	11	21
1,1-Dichloroethene	<0.560		25.0	19.66		ug/L		79	39 - 130	5	28
1,2-Dichloropropane	<0.270		25.0	20.61		ug/L		82	60 - 130	6	31
Ethylbenzene	<0.310		25.0	18.94		ug/L		76	48 - 130	8	20
2-Hexanone	<2.00		50.0	42.78		ug/L		86	45 - 132	9	20
Iodomethane	<7.00		25.0	17.05		ug/L		68	10 - 150	18	35
Methylene Chloride	<1.70		25.0	22.42		ug/L		90	50 - 150	13	24
4-Methyl-2-pentanone (MIBK)	<2.10		50.0	42.13		ug/L		84	46 - 132	8	20
Styrene	<0.370		25.0	19.37		ug/L		77	46 - 130	10	20
1,1,1,2-Tetrachloroethane	<0.380		25.0	18.19		ug/L		73	52 - 130	10	20
1,1,2,2-Tetrachloroethane	<0.470		25.0	19.33		ug/L		77	51 - 130	9	20
Tetrachloroethene	<0.480		25.0	18.72		ug/L		75	42 - 131	9	20
Toluene	<0.430		25.0	19.22		ug/L		77	48 - 130	11	20
trans-1,4-Dichloro-2-butene	<1.10		25.0	15.85		ug/L		63	33 - 150	6	20
trans-1,2-Dichloroethene	<0.270		25.0	20.33		ug/L		81	54 - 130	8	24
trans-1,3-Dichloropropene	<0.560		25.0	19.05		ug/L		76	51 - 130	7	20
1,1,1-Trichloroethane	<0.190		25.0	18.91		ug/L		76	49 - 130	7	20
1,1,2-Trichloroethane	<0.450		25.0	19.76		ug/L		79	56 - 130	7	20
Trichloroethene	<0.430		25.0	18.57		ug/L		74	55 - 130	7	20
1,2,3-Trichloropropane	<0.590		25.0	18.43		ug/L		74	50 - 130	12	20
Vinyl acetate	<2.50		50.0	35.63		ug/L		71	34 - 150	5	27
Xylenes, Total	<0.400		50.0	39.28		ug/L		79	44 - 130	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 128*
Toluene-d8 (Surr)	*102*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-403873/5
Matrix: Water
Analysis Batch: 403873

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			10/26/23 13:59	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			10/26/23 13:59	1
Benzene	<0.220		0.500	0.220	ug/L			10/26/23 13:59	1
Bromochloromethane	0.8044	J	5.00	0.540	ug/L			10/26/23 13:59	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			10/26/23 13:59	1
Bromoform	<0.780		5.00	0.780	ug/L			10/26/23 13:59	1
Bromomethane	<1.10		4.00	1.10	ug/L			10/26/23 13:59	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			10/26/23 13:59	1
Carbon disulfide	0.5515	J	1.00	0.450	ug/L			10/26/23 13:59	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			10/26/23 13:59	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			10/26/23 13:59	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			10/26/23 13:59	1
Chloroethane	<0.790		4.00	0.790	ug/L			10/26/23 13:59	1
Chloroform	<1.30		3.00	1.30	ug/L			10/26/23 13:59	1
Chloromethane	<0.610		3.00	0.610	ug/L			10/26/23 13:59	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			10/26/23 13:59	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			10/26/23 13:59	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			10/26/23 13:59	1
1,2-Dibromoethane (EDB)	0.6612	J	1.00	0.340	ug/L			10/26/23 13:59	1
Dibromomethane	<0.330		1.00	0.330	ug/L			10/26/23 13:59	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			10/26/23 13:59	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			10/26/23 13:59	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			10/26/23 13:59	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			10/26/23 13:59	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			10/26/23 13:59	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			10/26/23 13:59	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			10/26/23 13:59	1
2-Hexanone	<2.00		10.0	2.00	ug/L			10/26/23 13:59	1
Iodomethane	<7.00		10.0	7.00	ug/L			10/26/23 13:59	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			10/26/23 13:59	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			10/26/23 13:59	1
Styrene	<0.370		1.00	0.370	ug/L			10/26/23 13:59	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			10/26/23 13:59	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			10/26/23 13:59	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			10/26/23 13:59	1
Toluene	<0.430		1.00	0.430	ug/L			10/26/23 13:59	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			10/26/23 13:59	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			10/26/23 13:59	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			10/26/23 13:59	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			10/26/23 13:59	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			10/26/23 13:59	1
Trichloroethene	<0.430		1.00	0.430	ug/L			10/26/23 13:59	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			10/26/23 13:59	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			10/26/23 13:59	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			10/26/23 13:59	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			10/26/23 13:59	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			10/26/23 13:59	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-403873/5
Matrix: Water
Analysis Batch: 403873

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*10/26/23 13:59*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 128*		*10/26/23 13:59*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/26/23 13:59*	*1*

Lab Sample ID: LCS 310-403873/6
Matrix: Water
Analysis Batch: 403873

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	30.28		ug/L		76	50 - 150
Acrylonitrile	200	180.1		ug/L		90	50 - 150
Benzene	20.0	18.62		ug/L		93	73 - 122
Bromochloromethane	20.0	16.06		ug/L		80	68 - 132
Bromodichloromethane	20.0	18.11		ug/L		91	72 - 121
Bromoform	20.0	18.00		ug/L		90	55 - 129
2-Butanone (MEK)	40.0	34.57		ug/L		86	50 - 150
Carbon disulfide	20.0	16.12		ug/L		81	58 - 131
Carbon tetrachloride	20.0	19.53		ug/L		98	67 - 132
Chlorobenzene	20.0	19.55		ug/L		98	69 - 121
Chlorodibromomethane	20.0	18.70		ug/L		94	69 - 122
Chloroform	20.0	17.25		ug/L		86	72 - 120
cis-1,2-Dichloroethene	20.0	17.16		ug/L		86	74 - 120
cis-1,3-Dichloropropene	20.0	19.01		ug/L		95	71 - 126
1,2-Dibromo-3-Chloropropane	20.0	18.66		ug/L		93	50 - 150
1,2-Dibromoethane (EDB)	20.0	18.95		ug/L		95	73 - 125
Dibromomethane	20.0	17.34		ug/L		87	72 - 123
1,2-Dichlorobenzene	20.0	19.34		ug/L		97	68 - 120
1,4-Dichlorobenzene	20.0	19.37		ug/L		97	67 - 120
1,1-Dichloroethane	20.0	17.17		ug/L		86	71 - 123
1,2-Dichloroethane	20.0	16.61		ug/L		83	70 - 124
1,1-Dichloroethene	20.0	14.22		ug/L		71	61 - 129
1,2-Dichloropropane	20.0	17.23		ug/L		86	73 - 121
Ethylbenzene	20.0	19.93		ug/L		100	69 - 122
2-Hexanone	40.0	35.61		ug/L		89	60 - 132
Iodomethane	20.0	11.28		ug/L		56	10 - 150
Methylene Chloride	20.0	16.66		ug/L		83	50 - 150
4-Methyl-2-pentanone (MIBK)	40.0	34.58		ug/L		86	62 - 130
Styrene	20.0	19.46		ug/L		97	67 - 125
1,1,1,2-Tetrachloroethane	20.0	19.11		ug/L		96	68 - 123
1,1,2,2-Tetrachloroethane	20.0	18.78		ug/L		94	64 - 124
Tetrachloroethene	20.0	21.35		ug/L		107	69 - 131
Toluene	20.0	19.39		ug/L		97	72 - 121
trans-1,4-Dichloro-2-butene	20.0	18.84		ug/L		94	48 - 150
trans-1,2-Dichloroethene	20.0	17.31		ug/L		87	68 - 125
trans-1,3-Dichloropropene	20.0	17.69		ug/L		88	68 - 124
1,1,1-Trichloroethane	20.0	17.45		ug/L		87	71 - 128
1,1,2-Trichloroethane	20.0	17.44		ug/L		87	70 - 124
Trichloroethene	20.0	17.29		ug/L		86	73 - 126

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-403873/6
Matrix: Water
Analysis Batch: 403873

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane			20.0	21.48		ug/L		107	64 - 125
Vinyl acetate			40.0	28.91		ug/L		72	50 - 150
Xylenes, Total			40.0	39.45		ug/L		99	68 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 128*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCS 310-403873/7
Matrix: Water
Analysis Batch: 403873

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane			20.0	16.95		ug/L		85	24 - 150
Chloroethane			20.0	17.88		ug/L		89	51 - 137
Chloromethane			20.0	15.69		ug/L		78	37 - 150
Trichlorofluoromethane			20.0	22.26		ug/L		111	56 - 144
Vinyl chloride			20.0	19.37		ug/L		97	57 - 136

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 128*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 310-267729-C-2 MS
Matrix: Water
Analysis Batch: 403873

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	<3.10		40.0	28.21		ug/L		71	35 - 150
Acrylonitrile	<2.20		200	148.3		ug/L		74	50 - 150
Benzene	<0.220		20.0	14.42		ug/L		72	47 - 130
Bromochloromethane	<0.540	F2	20.0	17.11		ug/L		86	54 - 132
Bromodichloromethane	<0.390		20.0	14.19		ug/L		71	58 - 130
Bromoform	<0.780		20.0	15.16		ug/L		76	42 - 130
2-Butanone (MEK)	<2.10		40.0	28.47		ug/L		71	47 - 150
Carbon disulfide	<0.450		20.0	12.24		ug/L		61	39 - 131
Carbon tetrachloride	<0.650		20.0	15.31		ug/L		77	45 - 132
Chlorobenzene	<0.400		20.0	15.40		ug/L		77	54 - 130
Chlorodibromomethane	<0.750		20.0	14.41		ug/L		72	53 - 130
Chloroform	<1.30		20.0	13.56		ug/L		68	55 - 130
cis-1,2-Dichloroethene	<0.210		20.0	13.77		ug/L		69	52 - 130
cis-1,3-Dichloropropene	<0.250		20.0	15.44		ug/L		77	55 - 130
1,2-Dibromo-3-Chloropropane	<1.20		20.0	15.85		ug/L		79	45 - 150
1,2-Dibromoethane (EDB)	<0.340		20.0	14.94		ug/L		75	59 - 130
Dibromomethane	<0.330		20.0	14.68		ug/L		73	61 - 130
1,2-Dichlorobenzene	<0.370		20.0	15.75		ug/L		79	53 - 130

QC Sample Results

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-267729-C-2 MS
Matrix: Water
Analysis Batch: 403873

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	<0.230		20.0	15.67		ug/L		78	53 - 130
1,1-Dichloroethane	<0.220		20.0	13.17		ug/L		66	53 - 130
1,2-Dichloroethane	<0.390		20.0	13.75		ug/L		69	57 - 130
1,1-Dichloroethene	<0.560		20.0	12.41		ug/L		62	39 - 130
1,2-Dichloropropane	<0.270		20.0	14.91		ug/L		75	60 - 130
Ethylbenzene	<0.310		20.0	15.54		ug/L		78	48 - 130
2-Hexanone	<2.00		40.0	29.21		ug/L		73	45 - 132
Iodomethane	<7.00		20.0	9.712	J	ug/L		49	10 - 150
Methylene Chloride	<1.70		20.0	13.87		ug/L		69	50 - 150
4-Methyl-2-pentanone (MIBK)	<2.10		40.0	29.75		ug/L		74	46 - 132
Styrene	<0.370		20.0	13.72		ug/L		69	46 - 130
1,1,1,2-Tetrachloroethane	<0.380		20.0	15.31		ug/L		77	52 - 130
1,1,2,2-Tetrachloroethane	<0.470		20.0	15.51		ug/L		78	51 - 130
Tetrachloroethene	<0.480		20.0	15.56		ug/L		78	42 - 131
Toluene	<0.430		20.0	16.06		ug/L		80	48 - 130
trans-1,4-Dichloro-2-butene	<1.10		20.0	14.26		ug/L		71	33 - 150
trans-1,2-Dichloroethene	<0.270		20.0	13.23		ug/L		66	54 - 130
trans-1,3-Dichloropropene	<0.560		20.0	14.19		ug/L		71	51 - 130
1,1,1-Trichloroethane	<0.190		20.0	13.85		ug/L		69	49 - 130
1,1,2-Trichloroethane	<0.450		20.0	13.86		ug/L		69	56 - 130
Trichloroethene	<0.430		20.0	14.18		ug/L		71	55 - 130
1,2,3-Trichloropropane	<0.590		20.0	14.05		ug/L		70	50 - 130
Vinyl acetate	<2.50		40.0	30.71		ug/L		77	34 - 150
Xylenes, Total	<0.400		40.0	32.99		ug/L		82	44 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 128*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: 310-267729-C-2 MSD
Matrix: Water
Analysis Batch: 403873

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	<3.10		40.0	26.76		ug/L		67	35 - 150	5	26
Acrylonitrile	<2.20		200	137.6		ug/L		69	50 - 150	7	21
Benzene	<0.220		20.0	14.09		ug/L		70	47 - 130	2	20
Bromochloromethane	<0.540	F2	20.0	11.82	F2	ug/L		59	54 - 132	37	20
Bromodichloromethane	<0.390		20.0	13.36		ug/L		67	58 - 130	6	20
Bromoform	<0.780		20.0	14.10		ug/L		70	42 - 130	7	20
2-Butanone (MEK)	<2.10		40.0	25.33		ug/L		63	47 - 150	12	20
Carbon disulfide	<0.450		20.0	10.62		ug/L		53	39 - 131	14	32
Carbon tetrachloride	<0.650		20.0	14.71		ug/L		74	45 - 132	4	20
Chlorobenzene	<0.400		20.0	14.67		ug/L		73	54 - 130	5	20
Chlorodibromomethane	<0.750		20.0	14.67		ug/L		73	53 - 130	2	20
Chloroform	<1.30		20.0	12.70		ug/L		63	55 - 130	7	20
cis-1,2-Dichloroethene	<0.210		20.0	12.91		ug/L		65	52 - 130	6	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-267729-C-2 MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 403873

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	<0.250		20.0	14.44		ug/L		72	55 - 130	7	20
1,2-Dibromo-3-Chloropropane	<1.20		20.0	16.55		ug/L		83	45 - 150	4	20
1,2-Dibromoethane (EDB)	<0.340		20.0	13.52		ug/L		68	59 - 130	10	20
Dibromomethane	<0.330		20.0	14.28		ug/L		71	61 - 130	3	20
1,2-Dichlorobenzene	<0.370		20.0	15.16		ug/L		76	53 - 130	4	20
1,4-Dichlorobenzene	<0.230		20.0	15.44		ug/L		77	53 - 130	1	20
1,1-Dichloroethane	<0.220		20.0	13.20		ug/L		66	53 - 130	0	20
1,2-Dichloroethane	<0.390		20.0	12.24		ug/L		61	57 - 130	12	21
1,1-Dichloroethene	<0.560		20.0	11.82		ug/L		59	39 - 130	5	28
1,2-Dichloropropane	<0.270		20.0	13.62		ug/L		68	60 - 130	9	31
Ethylbenzene	<0.310		20.0	14.63		ug/L		73	48 - 130	6	20
2-Hexanone	<2.00		40.0	27.21		ug/L		68	45 - 132	7	20
Iodomethane	<7.00		20.0	10.09		ug/L		50	10 - 150	4	35
Methylene Chloride	<1.70		20.0	12.94		ug/L		65	50 - 150	7	24
4-Methyl-2-pentanone (MIBK)	<2.10		40.0	27.61		ug/L		69	46 - 132	7	20
Styrene	<0.370		20.0	12.80		ug/L		64	46 - 130	7	20
1,1,1,2-Tetrachloroethane	<0.380		20.0	14.56		ug/L		73	52 - 130	5	20
1,1,2,2-Tetrachloroethane	<0.470		20.0	14.75		ug/L		74	51 - 130	5	20
Tetrachloroethene	<0.480		20.0	15.29		ug/L		76	42 - 131	2	20
Toluene	<0.430		20.0	14.35		ug/L		72	48 - 130	11	20
trans-1,4-Dichloro-2-butene	<1.10		20.0	12.72		ug/L		64	33 - 150	11	20
trans-1,2-Dichloroethene	<0.270		20.0	12.52		ug/L		63	54 - 130	6	24
trans-1,3-Dichloropropene	<0.560		20.0	13.09		ug/L		65	51 - 130	8	20
1,1,1-Trichloroethane	<0.190		20.0	12.71		ug/L		64	49 - 130	9	20
1,1,2-Trichloroethane	<0.450		20.0	13.01		ug/L		65	56 - 130	6	20
Trichloroethene	<0.430		20.0	13.11		ug/L		66	55 - 130	8	20
1,2,3-Trichloropropane	<0.590		20.0	11.82		ug/L		59	50 - 130	17	20
Vinyl acetate	<2.50		40.0	24.06		ug/L		60	34 - 150	24	27
Xylenes, Total	<0.400		40.0	30.00		ug/L		75	44 - 130	9	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 128*
Toluene-d8 (Surr)	*102*		*80 - 120*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 310-403179/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 403191
Prep Batch: 403179

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	<0.0370		0.0640	0.0370	ug/L		10/20/23 07:33	10/20/23 14:14	1
Heptachlor	<0.0330		0.0640	0.0330	ug/L		10/20/23 07:33	10/20/23 14:14	1
gamma-BHC (Lindane)	<0.0360		0.0640	0.0360	ug/L		10/20/23 07:33	10/20/23 14:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*61*		*10 - 136*	*10/20/23 07:33*	*10/20/23 14:14*	*1*

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 310-403179/1-A
Matrix: Water
Analysis Batch: 403191

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 403179

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*58*		*10 - 130*	*10/20/23 07:33*	*10/20/23 14:14*	*1*

Lab Sample ID: LCS 310-403179/4-A
Matrix: Water
Analysis Batch: 403191

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 403179

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
beta-BHC	1.00	0.8295		ug/L		83	37 - 136
Heptachlor	1.00	0.7879		ug/L		79	27 - 120
gamma-BHC (Lindane)	1.00	0.7982		ug/L		80	36 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	*62*		*10 - 136*
Tetrachloro-m-xylene	*83*		*10 - 130*

Lab Sample ID: LCSD 310-403179/5-A
Matrix: Water
Analysis Batch: 403191

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 403179

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
beta-BHC	1.00	0.8023		ug/L		80	37 - 136	3	35
Heptachlor	1.00	0.7127		ug/L		71	27 - 120	10	35
gamma-BHC (Lindane)	1.00	0.7745		ug/L		77	36 - 132	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	*61*		*10 - 136*
Tetrachloro-m-xylene	*74*		*10 - 130*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 410-435635/1-A
Matrix: Water
Analysis Batch: 435791

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 435635

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	<0.0220		0.0500	0.0220	ug/L		10/25/23 15:55	10/26/23 06:29	1
2,4-D	<0.250		0.600	0.250	ug/L		10/25/23 15:55	10/26/23 06:29	1

Lab Sample ID: LCS 410-435635/2-A
Matrix: Water
Analysis Batch: 435791

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 435635

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silvex (2,4,5-TP)	0.250	0.2259		ug/L		90	62 - 170
2,4-D	2.51	2.212		ug/L		88	53 - 159

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCSD 410-435635/3-A
Matrix: Water
Analysis Batch: 435791

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 435635

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silvex (2,4,5-TP)	0.250	0.2179		ug/L		87	62 - 170	4	30
2,4-D	2.51	2.183		ug/L		87	53 - 159	1	30

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-403380/1-A
Matrix: Water
Analysis Batch: 403996

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 403380

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/23/23 11:20	10/26/23 22:42	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		10/23/23 11:20	10/26/23 22:42	1
Barium	<0.000640		0.00200	0.000640	mg/L		10/23/23 11:20	10/26/23 22:42	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/23/23 11:20	10/26/23 22:42	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/23/23 11:20	10/26/23 22:42	1
Chromium	<0.00110		0.00500	0.00110	mg/L		10/23/23 11:20	10/26/23 22:42	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		10/23/23 11:20	10/26/23 22:42	1
Copper	<0.00180		0.00500	0.00180	mg/L		10/23/23 11:20	10/26/23 22:42	1
Lead	<0.000240		0.000500	0.000240	mg/L		10/23/23 11:20	10/26/23 22:42	1
Nickel	<0.00190		0.00500	0.00190	mg/L		10/23/23 11:20	10/26/23 22:42	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/23/23 11:20	10/26/23 22:42	1
Silver	<0.000500		0.00100	0.000500	mg/L		10/23/23 11:20	10/26/23 22:42	1
Thallium	<0.000260		0.00100	0.000260	mg/L		10/23/23 11:20	10/26/23 22:42	1
Vanadium	0.003013	J	0.00500	0.00110	mg/L		10/23/23 11:20	10/26/23 22:42	1
Zinc	<0.00640		0.0200	0.00640	mg/L		10/23/23 11:20	10/26/23 22:42	1

Lab Sample ID: LCS 310-403380/2-A
Matrix: Water
Analysis Batch: 403753

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 403380

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2065		mg/L		103	80 - 120
Arsenic	0.200	0.1913		mg/L		96	80 - 120
Barium	0.100	0.09941		mg/L		99	80 - 120
Beryllium	0.100	0.09552		mg/L		96	80 - 120
Cadmium	0.100	0.09464		mg/L		95	80 - 120
Chromium	0.100	0.09752		mg/L		98	80 - 120
Cobalt	0.100	0.09949		mg/L		99	80 - 120
Copper	0.200	0.1911		mg/L		96	80 - 120
Lead	0.200	0.1934		mg/L		97	80 - 120
Nickel	0.200	0.1977		mg/L		99	80 - 120
Selenium	0.400	0.3627		mg/L		91	80 - 120
Silver	0.100	0.1086		mg/L		109	80 - 120
Vanadium	0.100	0.09762		mg/L		98	80 - 120
Zinc	0.200	0.1953		mg/L		98	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 310-403380/2-A
Matrix: Water
Analysis Batch: 403996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 403380

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Thallium	0.200	0.1692		mg/L		85	80 - 120

Lab Sample ID: 310-267540-A-1-B MS
Matrix: Water
Analysis Batch: 403753

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 403380

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.00102	J *+	0.200	0.2049		mg/L		102	75 - 125
Arsenic	0.00692		0.200	0.1873		mg/L		90	75 - 125
Barium	0.476		0.100	0.5659	4	mg/L		90	75 - 125
Beryllium	0.000392	J	0.100	0.09258		mg/L		92	75 - 125
Chromium	0.00192	J	0.100	0.09252		mg/L		91	75 - 125
Cobalt	0.000406	J	0.100	0.09103		mg/L		91	75 - 125
Copper	0.00190	J	0.200	0.1821		mg/L		90	75 - 125
Lead	0.000673		0.200	0.1819		mg/L		91	75 - 125
Nickel	<0.00190		0.200	0.1810		mg/L		90	75 - 125
Selenium	0.00248	J	0.400	0.3470		mg/L		86	75 - 125
Silver	<0.000500		0.100	0.09361		mg/L		94	75 - 125
Thallium	0.00483	*- F1	0.200	0.1220	F1	mg/L		59	75 - 125
Vanadium	0.0119		0.100	0.1015		mg/L		90	75 - 125
Zinc	<0.00640		0.200	0.1797		mg/L		90	75 - 125

Lab Sample ID: 310-267540-A-1-B MS
Matrix: Water
Analysis Batch: 403907

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 403380

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00100		0.200	0.1846		mg/L		92	75 - 125
Arsenic	0.00635		0.200	0.1904		mg/L		92	75 - 125
Barium	0.456		0.100	0.5442	4	mg/L		88	75 - 125
Beryllium	<0.000330		0.100	0.09225		mg/L		92	75 - 125
Cadmium	<0.000100		0.100	0.08617		mg/L		86	75 - 125
Chromium	0.00144	J	0.100	0.09063		mg/L		89	75 - 125
Cobalt	<0.000170		0.100	0.08749		mg/L		87	75 - 125
Copper	<0.00180		0.200	0.1737		mg/L		87	75 - 125
Lead	<0.000240		0.200	0.1741		mg/L		87	75 - 125
Nickel	<0.00190		0.200	0.1778		mg/L		89	75 - 125
Selenium	<0.00140		0.400	0.3424		mg/L		86	75 - 125
Silver	<0.000500		0.100	0.09697		mg/L		97	75 - 125
Thallium	<0.000260	F1	0.200	0.09574	F1	mg/L		48	75 - 125
Vanadium	0.0110		0.100	0.09862		mg/L		88	75 - 125
Zinc	<0.00640	F1	0.200	<0.00640	F1	mg/L		0	75 - 125

Lab Sample ID: 310-267540-A-1-B MS
Matrix: Water
Analysis Batch: 403996

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 403380

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00100	*+	0.200	0.1896		mg/L		95	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-267540-A-1-B MS
Matrix: Water
Analysis Batch: 403996

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 403380

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00643		0.200	0.1847		mg/L		89	75 - 125
Barium	0.461		0.100	0.5496	4	mg/L		89	75 - 125
Beryllium	<0.000330		0.100	0.08934		mg/L		89	75 - 125
Chromium	0.00166	J	0.100	0.08980		mg/L		88	75 - 125
Cobalt	0.000181	J	0.100	0.08326		mg/L		83	75 - 125
Copper	<0.00180		0.200	0.1709		mg/L		85	75 - 125
Lead	0.000310	J	0.200	0.1747		mg/L		87	75 - 125
Nickel	<0.00190		0.200	0.1738		mg/L		87	75 - 125
Selenium	0.00185	J	0.400	0.3487		mg/L		87	75 - 125
Silver	<0.000500		0.100	0.09287		mg/L		93	75 - 125
Thallium	0.00579	F1	0.200	0.1258	F1	mg/L		60	75 - 125
Vanadium	0.0141	B	0.100	0.1017		mg/L		88	75 - 125
Zinc	<0.00640		0.200	0.1729		mg/L		86	75 - 125

Lab Sample ID: 310-267540-A-1-C MSD
Matrix: Water
Analysis Batch: 403753

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 403380

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.00102	J *+	0.200	0.2249		mg/L		112	75 - 125	9	20
Arsenic	0.00692		0.200	0.2091		mg/L		101	75 - 125	11	20
Barium	0.476		0.100	0.5715	4	mg/L		95	75 - 125	1	20
Beryllium	0.000392	J	0.100	0.1038		mg/L		103	75 - 125	11	20
Chromium	0.00192	J	0.100	0.1026		mg/L		101	75 - 125	10	20
Cobalt	0.000406	J	0.100	0.1019		mg/L		101	75 - 125	11	20
Copper	0.00190	J	0.200	0.1992		mg/L		99	75 - 125	9	20
Lead	0.000673		0.200	0.1990		mg/L		99	75 - 125	9	20
Nickel	<0.00190		0.200	0.2012		mg/L		101	75 - 125	11	20
Selenium	0.00248	J	0.400	0.3860		mg/L		96	75 - 125	11	20
Silver	<0.000500		0.100	0.09608		mg/L		96	75 - 125	3	20
Thallium	0.00483	*- F1	0.200	0.1403	F1	mg/L		68	75 - 125	14	20
Vanadium	0.0119		0.100	0.1121		mg/L		100	75 - 125	10	20
Zinc	<0.00640		0.200	0.2013		mg/L		101	75 - 125	11	20

Lab Sample ID: 310-267540-A-1-C MSD
Matrix: Water
Analysis Batch: 403907

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 403380

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00100		0.200	0.2069		mg/L		103	75 - 125	11	20
Arsenic	0.00635		0.200	0.2124		mg/L		103	75 - 125	11	20
Barium	0.456		0.100	0.5476	4	mg/L		91	75 - 125	1	20
Beryllium	<0.000330		0.100	0.1018		mg/L		102	75 - 125	10	20
Cadmium	<0.000100		0.100	0.09608		mg/L		96	75 - 125	11	20
Chromium	0.00144	J	0.100	0.1016		mg/L		100	75 - 125	11	20
Cobalt	<0.000170		0.100	0.1007		mg/L		101	75 - 125	14	20
Copper	<0.00180		0.200	0.1929		mg/L		96	75 - 125	10	20
Lead	<0.000240		0.200	0.1981		mg/L		99	75 - 125	13	20
Nickel	<0.00190		0.200	0.1968		mg/L		98	75 - 125	10	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-267540-A-1-C MSD | **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 403907 | **Prep Batch: 403380**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Selenium	<0.00140		0.400	0.3816		mg/L		95	75 - 125	11	20
Silver	<0.000500		0.100	0.1010		mg/L		101	75 - 125	4	20
Thallium	<0.000260	F1	0.200	0.1221	F1 F2	mg/L		61	75 - 125	24	20
Vanadium	0.0110		0.100	0.1096		mg/L		99	75 - 125	11	20

Lab Sample ID: 310-267540-A-1-C MSD | **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 403996 | **Prep Batch: 403380**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00100	*+	0.200	0.2140		mg/L		107	75 - 125	12	20
Arsenic	0.00643		0.200	0.2050		mg/L		99	75 - 125	10	20
Barium	0.461		0.100	0.5454	4	mg/L		85	75 - 125	1	20
Beryllium	<0.000330		0.100	0.09967		mg/L		100	75 - 125	11	20
Chromium	0.00166	J	0.100	0.09937		mg/L		98	75 - 125	10	20
Cobalt	0.000181	J	0.100	0.09247		mg/L		92	75 - 125	10	20
Copper	<0.00180		0.200	0.1889		mg/L		94	75 - 125	10	20
Lead	0.000310	J	0.200	0.1985		mg/L		99	75 - 125	13	20
Nickel	<0.00190		0.200	0.1916		mg/L		96	75 - 125	10	20
Selenium	0.00185	J	0.400	0.3844		mg/L		96	75 - 125	10	20
Silver	<0.000500		0.100	0.09562		mg/L		96	75 - 125	3	20
Thallium	0.00579	F1	0.200	0.1484	F1	mg/L		71	75 - 125	16	20
Vanadium	0.0141	B	0.100	0.1118		mg/L		98	75 - 125	9	20
Zinc	<0.00640		0.200	0.2039		mg/L		102	75 - 125	16	20

Lab Sample ID: 310-267561-A-2-B DU | **Client Sample ID: Duplicate**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 403753 | **Prep Batch: 403380**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	<0.000530		<0.000530		mg/L		NC	20
Barium	0.194		0.1871		mg/L		4	20
Beryllium	<0.000330		<0.000330		mg/L		NC	20
Chromium	<0.00110		<0.00110		mg/L		NC	20
Cobalt	0.00706		0.006761		mg/L		4	20
Copper	<0.00180		<0.00180		mg/L		NC	20
Lead	<0.000240		<0.000240		mg/L		NC	20
Nickel	0.00890		0.008356		mg/L		6	20
Selenium	<0.00140		<0.00140		mg/L		NC	20
Silver	<0.000500		<0.000500		mg/L		NC	20
Vanadium	0.00201	J	0.001970	J	mg/L		2	20
Zinc	<0.00640		<0.00640		mg/L		NC	20

Lab Sample ID: MB 310-403584/1-A | **Client Sample ID: Method Blank**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 403812 | **Prep Batch: 403584**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/25/23 09:30	10/25/23 17:22	1

Client: HDR Inc	Job ID: 310-267708-1
Project/Site: CRLCSWA_2

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 310-403584/1-A | **Client Sample ID: Method Blank**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 403812 | **Prep Batch: 403584**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.000530		0.00200	0.000530	mg/L		10/25/23 09:30	10/25/23 17:22	1
Barium	<0.000640		0.00200	0.000640	mg/L		10/25/23 09:30	10/25/23 17:22	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/25/23 09:30	10/25/23 17:22	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/25/23 09:30	10/25/23 17:22	1
Chromium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 17:22	1
Cobalt	0.0005260		0.000500	0.000170	mg/L		10/25/23 09:30	10/25/23 17:22	1
Copper	<0.00180		0.00500	0.00180	mg/L		10/25/23 09:30	10/25/23 17:22	1
Lead	<0.000240		0.000500	0.000240	mg/L		10/25/23 09:30	10/25/23 17:22	1
Nickel	<0.00190		0.00500	0.00190	mg/L		10/25/23 09:30	10/25/23 17:22	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/25/23 09:30	10/25/23 17:22	1
Silver	<0.000500		0.00100	0.000500	mg/L		10/25/23 09:30	10/25/23 17:22	1
Thallium	<0.000260		0.00100	0.000260	mg/L		10/25/23 09:30	10/25/23 17:22	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 17:22	1
Zinc	<0.00640		0.0200	0.00640	mg/L		10/25/23 09:30	10/25/23 17:22	1

Lab Sample ID: LCS 310-403584/2-A | **Client Sample ID: Lab Control Sample**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 403812 | **Prep Batch: 403584**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2240		mg/L		112	80 - 120
Arsenic	0.200	0.2038		mg/L		102	80 - 120
Barium	0.100	0.1056		mg/L		106	80 - 120
Beryllium	0.100	0.1027		mg/L		103	80 - 120
Cadmium	0.100	0.09947		mg/L		99	80 - 120
Chromium	0.100	0.1066		mg/L		107	80 - 120
Cobalt	0.100	0.1065		mg/L		107	80 - 120
Copper	0.200	0.2111		mg/L		106	80 - 120
Lead	0.200	0.2111		mg/L		106	80 - 120
Nickel	0.200	0.2157		mg/L		108	80 - 120
Selenium	0.400	0.3776		mg/L		94	80 - 120
Silver	0.100	0.08785		mg/L		88	80 - 120
Thallium	0.200	0.1800		mg/L		90	80 - 120
Vanadium	0.100	0.1044		mg/L		104	80 - 120
Zinc	0.200	0.2036		mg/L		102	80 - 120

Lab Sample ID: 310-267708-7 MS | **Client Sample ID: MW-300**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 403812 | **Prep Batch: 403584**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00100		0.200	0.2399		mg/L		120	75 - 125
Arsenic	0.00307		0.200	0.2211		mg/L		109	75 - 125
Barium	0.0420		0.100	0.1434		mg/L		101	75 - 125
Beryllium	<0.000330		0.100	0.09811		mg/L		98	75 - 125
Cadmium	<0.000100		0.100	0.09975		mg/L		100	75 - 125
Chromium	<0.00110		0.100	0.1031		mg/L		103	75 - 125
Cobalt	0.0202	B	0.100	0.1243		mg/L		104	75 - 125
Copper	<0.00180		0.200	0.2002		mg/L		100	75 - 125

Client: HDR Inc — Job ID: 310-267708-1
Project/Site: CRLCSWA_2

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-267708-7 MS — **Client Sample ID: MW-300**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 403812 — **Prep Batch: 403584**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	<0.000240		0.200	0.1995		mg/L		100	75 - 125
Nickel	0.0205		0.200	0.2230		mg/L		101	75 - 125
Selenium	<0.00140		0.400	0.3962		mg/L		99	75 - 125
Silver	<0.000500		0.100	0.08491		mg/L		85	75 - 125
Thallium	0.000790	J F1	0.200	0.1155	F1	mg/L		57	75 - 125
Vanadium	<0.00110		0.100	0.1041		mg/L		104	75 - 125
Zinc	0.00672	J	0.200	0.1978		mg/L		96	75 - 125

Lab Sample ID: 310-267708-7 MSD — **Client Sample ID: MW-300**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 403812 — **Prep Batch: 403584**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00100		0.200	0.2487		mg/L		124	75 - 125	4	20
Arsenic	0.00307		0.200	0.2259		mg/L		111	75 - 125	2	20
Barium	0.0420		0.100	0.1452		mg/L		103	75 - 125	1	20
Beryllium	<0.000330		0.100	0.1014		mg/L		101	75 - 125	3	20
Cadmium	<0.000100		0.100	0.1014		mg/L		101	75 - 125	2	20
Chromium	<0.00110		0.100	0.1055		mg/L		105	75 - 125	2	20
Cobalt	0.0202	B	0.100	0.1249		mg/L		105	75 - 125	0	20
Copper	<0.00180		0.200	0.1995		mg/L		100	75 - 125	0	20
Lead	<0.000240		0.200	0.2013		mg/L		101	75 - 125	1	20
Nickel	0.0205		0.200	0.2245		mg/L		102	75 - 125	1	20
Selenium	<0.00140		0.400	0.4002		mg/L		100	75 - 125	1	20
Silver	<0.000500		0.100	0.09563		mg/L		96	75 - 125	12	20
Thallium	0.000790	J F1	0.200	0.1303	F1	mg/L		65	75 - 125	12	20
Vanadium	<0.00110		0.100	0.1060		mg/L		106	75 - 125	2	20
Zinc	0.00672	J	0.200	0.2041		mg/L		99	75 - 125	3	20

Lab Sample ID: 310-267708-18 DU — **Client Sample ID: MW-19**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 403812 — **Prep Batch: 403584**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.00100		<0.00100		mg/L		NC	20
Arsenic	0.00313		0.003325		mg/L		6	20
Barium	0.0421		0.04444		mg/L		5	20
Beryllium	<0.000330		<0.000330		mg/L		NC	20
Cadmium	<0.000100		<0.000100		mg/L		NC	20
Chromium	<0.00110		<0.00110		mg/L		NC	20
Cobalt	0.0190	B	0.01919		mg/L		1	20
Copper	<0.00180		<0.00180		mg/L		NC	20
Lead	<0.000240		<0.000240		mg/L		NC	20
Nickel	0.0198		0.01983		mg/L		0	20
Selenium	<0.00140		<0.00140		mg/L		NC	20
Silver	<0.000500		<0.000500		mg/L		NC	20
Thallium	<0.000260		<0.000260		mg/L		NC	20
Vanadium	<0.00110		<0.00110		mg/L		NC	20
Zinc	0.0101	J	<0.00640		mg/L		NC	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 310-403586/1-A
Matrix: Water
Analysis Batch: 403812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 403586

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/25/23 09:30	10/25/23 19:18	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		10/25/23 09:30	10/25/23 19:18	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/25/23 09:30	10/25/23 19:18	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/25/23 09:30	10/25/23 19:18	1
Chromium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 19:18	1
Copper	<0.00180		0.00500	0.00180	mg/L		10/25/23 09:30	10/25/23 19:18	1
Lead	<0.000240		0.000500	0.000240	mg/L		10/25/23 09:30	10/25/23 19:18	1
Nickel	<0.00190		0.00500	0.00190	mg/L		10/25/23 09:30	10/25/23 19:18	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/25/23 09:30	10/25/23 19:18	1
Silver	<0.000500		0.00100	0.000500	mg/L		10/25/23 09:30	10/25/23 19:18	1
Thallium	<0.000260		0.00100	0.000260	mg/L		10/25/23 09:30	10/25/23 19:18	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		10/25/23 09:30	10/25/23 19:18	1
Zinc	<0.00640		0.0200	0.00640	mg/L		10/25/23 09:30	10/25/23 19:18	1

Lab Sample ID: LCS 310-403586/2-A
Matrix: Water
Analysis Batch: 403812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 403586

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2260		mg/L		113	80 - 120
Arsenic	0.200	0.1986		mg/L		99	80 - 120
Barium	0.100	0.1012		mg/L		101	80 - 120
Beryllium	0.100	0.09845		mg/L		98	80 - 120
Cadmium	0.100	0.09762		mg/L		98	80 - 120
Chromium	0.100	0.1045		mg/L		104	80 - 120
Cobalt	0.100	0.1039		mg/L		104	80 - 120
Copper	0.200	0.2079		mg/L		104	80 - 120
Lead	0.200	0.2062		mg/L		103	80 - 120
Nickel	0.200	0.2109		mg/L		105	80 - 120
Selenium	0.400	0.3783		mg/L		95	80 - 120
Silver	0.100	0.09681		mg/L		97	80 - 120
Thallium	0.200	0.1698		mg/L		85	80 - 120
Vanadium	0.100	0.1013		mg/L		101	80 - 120
Zinc	0.200	0.1843		mg/L		92	80 - 120

Lab Sample ID: 310-267605-A-1-D MS
Matrix: Water
Analysis Batch: 403812

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 403586

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.00145	J	0.200	0.2406		mg/L		120	75 - 125
Arsenic	0.00209		0.200	0.2142		mg/L		106	75 - 125
Barium	0.200	B	0.100	0.3048		mg/L		104	75 - 125
Beryllium	<0.000330		0.100	0.1027		mg/L		103	75 - 125
Cadmium	0.000259		0.100	0.1010		mg/L		101	75 - 125
Chromium	0.00589		0.100	0.1093		mg/L		103	75 - 125
Cobalt	0.000488	J B	0.100	0.1027		mg/L		102	75 - 125
Copper	<0.00180		0.200	0.2038		mg/L		102	75 - 125
Lead	0.000568		0.200	0.2064		mg/L		103	75 - 125

Client: HDR Inc | Job ID: 310-267708-1
Project/Site: CRLCSWA_2

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-267605-A-1-D MS | **Client Sample ID: Matrix Spike**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 403812 | **Prep Batch: 403586**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	<0.00190		0.200	0.2055		mg/L		103	75 - 125
Selenium	0.00284	J	0.400	0.4074		mg/L		101	75 - 125
Silver	0.00135		0.100	0.09473		mg/L		93	75 - 125
Thallium	0.00843	F1	0.200	0.1098	F1	mg/L		51	75 - 125
Vanadium	0.00813		0.100	0.1101		mg/L		102	75 - 125
Zinc	<0.00640		0.200	0.1864		mg/L		93	75 - 125

Lab Sample ID: 310-267605-A-1-E MSD | **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 403812 | **Prep Batch: 403586**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.00145	J	0.200	0.2445		mg/L		122	75 - 125	2	20
Arsenic	0.00209		0.200	0.2187		mg/L		108	75 - 125	2	20
Barium	0.200	B	0.100	0.3078		mg/L		107	75 - 125	1	20
Beryllium	<0.000330		0.100	0.1035		mg/L		103	75 - 125	1	20
Cadmium	0.000259		0.100	0.1027		mg/L		102	75 - 125	2	20
Chromium	0.00589		0.100	0.1099		mg/L		104	75 - 125	0	20
Cobalt	0.000488	J B	0.100	0.1032		mg/L		103	75 - 125	1	20
Copper	<0.00180		0.200	0.2068		mg/L		103	75 - 125	1	20
Lead	0.000568		0.200	0.2130		mg/L		106	75 - 125	3	20
Nickel	<0.00190		0.200	0.2065		mg/L		103	75 - 125	0	20
Selenium	0.00284	J	0.400	0.4080		mg/L		101	75 - 125	0	20
Silver	0.00135		0.100	0.08700		mg/L		86	75 - 125	9	20
Thallium	0.00843	F1	0.200	0.1233	F1	mg/L		57	75 - 125	12	20
Vanadium	0.00813		0.100	0.1109		mg/L		103	75 - 125	1	20
Zinc	<0.00640		0.200	0.1940		mg/L		97	75 - 125	4	20

Lab Sample ID: 310-267605-A-3-D DU | **Client Sample ID: Duplicate**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 403812 | **Prep Batch: 403586**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.00100		<0.00100		mg/L		NC	20
Arsenic	0.00309		0.003035		mg/L		2	20
Barium	0.598	B	0.5878		mg/L		2	20
Beryllium	<0.000330		<0.000330		mg/L		NC	20
Cadmium	<0.000100		<0.000100		mg/L		NC	20
Chromium	0.00210	J	0.001962	J	mg/L		7	20
Cobalt	<0.000170		<0.000170		mg/L		NC	20
Copper	<0.00180		<0.00180		mg/L		NC	20
Lead	<0.000240		<0.000240		mg/L		NC	20
Nickel	<0.00190		<0.00190		mg/L		NC	20
Selenium	0.00495	J	0.005177		mg/L		4	20
Silver	<0.000500		<0.000500		mg/L		NC	20
Thallium	<0.000260		<0.000260		mg/L		NC	20
Vanadium	0.00830		0.008332		mg/L		0.4	20
Zinc	0.00891	J	<0.00640		mg/L		NC	20

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 310-403973/1-A
Matrix: Water
Analysis Batch: 404254

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 403973

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.000640		0.00200	0.000640	mg/L		10/27/23 10:30	10/30/23 12:49	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		10/27/23 10:30	10/30/23 12:49	1

Lab Sample ID: LCS 310-403973/2-A
Matrix: Water
Analysis Batch: 404254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 403973

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.100	0.1032		mg/L		103	80 - 120
Cobalt	0.100	0.1037		mg/L		104	80 - 120

Lab Sample ID: 310-267708-20 MS
Matrix: Water
Analysis Batch: 404254

Client Sample ID: MW-302R
Prep Type: Total/NA
Prep Batch: 403973

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	<0.000170		0.100	0.1077		mg/L		108	75 - 125

Lab Sample ID: 310-267708-20 MSD
Matrix: Water
Analysis Batch: 404254

Client Sample ID: MW-302R
Prep Type: Total/NA
Prep Batch: 403973

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt	<0.000170		0.100	0.1048		mg/L		105	75 - 125	3	20

Lab Sample ID: MB 310-404398/1-A
Matrix: Water
Analysis Batch: 404684

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 404398

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.000170		0.000500	0.000170	mg/L		11/01/23 09:20	11/02/23 15:11	1

Lab Sample ID: LCS 310-404398/2-A
Matrix: Water
Analysis Batch: 404684

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 404398

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	0.100	0.1053		mg/L		105	80 - 120

Lab Sample ID: 310-267651-A-6-D MS
Matrix: Water
Analysis Batch: 404684

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 404398

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	0.000892		0.100	0.1022		mg/L		101	75 - 125

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-267651-A-6-E MSD
Matrix: Water
Analysis Batch: 404684

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 404398

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt	0.000892		0.100	0.1014		mg/L		101	75 - 125	1	20

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-738881/1-A
Matrix: Water
Analysis Batch: 738882

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 738881

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.231		1.00	0.231	mg/L		10/25/23 17:00	10/25/23 18:22	1

Lab Sample ID: LCS 500-738881/2-A
Matrix: Water
Analysis Batch: 738882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 738881

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.33	3.764		mg/L		113	80 - 120

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-403389/1
Matrix: Water
Analysis Batch: 403389

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.70		5.00	1.70	mg/L			10/23/23 12:11	1

Lab Sample ID: LCS 310-403389/2
Matrix: Water
Analysis Batch: 403389

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	99.00		mg/L		99	75 - 116

Lab Sample ID: 310-267708-10 DU
Matrix: Water
Analysis Batch: 403389

Client Sample ID: MW-304R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	38.0		38.00		mg/L		0	35

Lab Sample ID: MB 310-403494/1
Matrix: Water
Analysis Batch: 403494

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.70		5.00	1.70	mg/L			10/24/23 08:59	1

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Method: I-3765-85 - Residue, Non-filterable (TSS) (Continued)

Lab Sample ID: LCS 310-403494/2
Matrix: Water
Analysis Batch: 403494

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	93.00		mg/L		93	75 - 116

Lab Sample ID: 310-267759-A-1 DU
Matrix: Water
Analysis Batch: 403494

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	70.0		66.00		mg/L		6	35

Lab Sample ID: MB 310-403500/1
Matrix: Water
Analysis Batch: 403500

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.70		5.00	1.70	mg/L			10/24/23 09:41	1

Lab Sample ID: LCS 310-403500/2
Matrix: Water
Analysis Batch: 403500

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	98.00		mg/L		98	75 - 116

Lab Sample ID: 310-267801-B-4 DU
Matrix: Water
Analysis Batch: 403500

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	121		135.0		mg/L		11	35

Lab Sample ID: MB 310-403681/1
Matrix: Water
Analysis Batch: 403681

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.70		5.00	1.70	mg/L			10/25/23 09:45	1

Lab Sample ID: LCS 310-403681/2
Matrix: Water
Analysis Batch: 403681

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	94.00		mg/L		94	75 - 116

Lab Sample ID: 310-267708-1 DU
Matrix: Water
Analysis Batch: 403681

Client Sample ID: GU-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	78.0		78.00		mg/L		0	35

QC Association Summary

GC/MS VOA

Analysis Batch: 403251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-30	MW-303	Total/NA	Water	8260D	
310-267708-31	TB-4	Total/NA	Water	8260D	
MB 310-403251/5	Method Blank	Total/NA	Water	8260D	
LCS 310-403251/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-403251/7	Lab Control Sample	Total/NA	Water	8260D	
310-267544-D-1 MS	Matrix Spike	Total/NA	Water	8260D	
310-267544-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 403515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-1	GU-1	Total/NA	Water	8260D	
310-267708-2	GU-L	Total/NA	Water	8260D	
310-267708-3	GU-O	Total/NA	Water	8260D	
310-267708-4	MW-30	Total/NA	Water	8260D	
310-267708-5	MW-306	Total/NA	Water	8260D	
310-267708-8	TB-3	Total/NA	Water	8260D	
MB 310-403515/5	Method Blank	Total/NA	Water	8260D	
LCS 310-403515/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-403515/7	Lab Control Sample	Total/NA	Water	8260D	
310-267556-D-1 MS	Matrix Spike	Total/NA	Water	8260D	
310-267556-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 403517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-6	Dup-2	Total/NA	Water	8260D	
310-267708-7	MW-300	Total/NA	Water	8260D	
310-267708-9	MW-18	Total/NA	Water	8260D	
310-267708-10	MW-304R	Total/NA	Water	8260D	
310-267708-11	MW-305	Total/NA	Water	8260D	
310-267708-12	MW-29	Total/NA	Water	8260D	
310-267708-13	MW-15	Total/NA	Water	8260D	
310-267708-14	GU-P	Total/NA	Water	8260D	
310-267708-15	TB-1	Total/NA	Water	8260D	
310-267708-16	MW-20	Total/NA	Water	8260D	
310-267708-17	MW-24	Total/NA	Water	8260D	
310-267708-18	MW-19	Total/NA	Water	8260D	
310-267708-19	Dup-1	Total/NA	Water	8260D	
310-267708-20	MW-302R	Total/NA	Water	8260D	
310-267708-21	TB-2	Total/NA	Water	8260D	
310-267708-22	MW-307A	Total/NA	Water	8260D	
310-267708-23	MW-501	Total/NA	Water	8260D	
310-267708-24	MW-502	Total/NA	Water	8260D	
310-267708-25	EQ-1	Total/NA	Water	8260D	
310-267708-26	MW-301	Total/NA	Water	8260D	
MB 310-403517/5	Method Blank	Total/NA	Water	8260D	
LCS 310-403517/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-403517/7	Lab Control Sample	Total/NA	Water	8260D	
310-267708-12 MS	MW-29	Total/NA	Water	8260D	
310-267708-12 MSD	MW-29	Total/NA	Water	8260D	

QC Association Summary

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

GC/MS VOA

Analysis Batch: 403656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-28	MW-9AR	Total/NA	Water	8260D	
310-267708-29	MW-22	Total/NA	Water	8260D	
MB 310-403656/5	Method Blank	Total/NA	Water	8260D	
LCS 310-403656/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-403656/7	Lab Control Sample	Total/NA	Water	8260D	
310-267708-29 MS	MW-22	Total/NA	Water	8260D	
310-267708-29 MSD	MW-22	Total/NA	Water	8260D	

Analysis Batch: 403873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-27	MW-201B	Total/NA	Water	8260D	
MB 310-403873/5	Method Blank	Total/NA	Water	8260D	
LCS 310-403873/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-403873/7	Lab Control Sample	Total/NA	Water	8260D	
310-267729-C-2 MS	Matrix Spike	Total/NA	Water	8260D	
310-267729-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

GC Semi VOA

Prep Batch: 403179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-29	MW-22	Total/NA	Water	3510C	
310-267708-30	MW-303	Total/NA	Water	3510C	
MB 310-403179/1-A	Method Blank	Total/NA	Water	3510C	
LCS 310-403179/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 310-403179/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 403191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-29	MW-22	Total/NA	Water	8081B	403179
310-267708-30	MW-303	Total/NA	Water	8081B	403179
MB 310-403179/1-A	Method Blank	Total/NA	Water	8081B	403179
LCS 310-403179/4-A	Lab Control Sample	Total/NA	Water	8081B	403179
LCSD 310-403179/5-A	Lab Control Sample Dup	Total/NA	Water	8081B	403179

Prep Batch: 435635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-29	MW-22	Total/NA	Water	8151A	
310-267708-30	MW-303	Total/NA	Water	8151A	
MB 410-435635/1-A	Method Blank	Total/NA	Water	8151A	
LCS 410-435635/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 410-435635/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 435791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-29	MW-22	Total/NA	Water	8151A	435635
310-267708-30	MW-303	Total/NA	Water	8151A	435635
MB 410-435635/1-A	Method Blank	Total/NA	Water	8151A	435635
LCS 410-435635/2-A	Lab Control Sample	Total/NA	Water	8151A	435635
LCSD 410-435635/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	435635

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Metals

Prep Batch: 403380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-1	GU-1	Total/NA	Water	3005A	
310-267708-2	GU-L	Total/NA	Water	3005A	
310-267708-3	GU-O	Total/NA	Water	3005A	
310-267708-4	MW-30	Total/NA	Water	3005A	
310-267708-5	MW-306	Total/NA	Water	3005A	
MB 310-403380/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-403380/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-267540-A-1-B MS	Matrix Spike	Total/NA	Water	3005A	
310-267540-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	
310-267561-A-2-B DU	Duplicate	Total/NA	Water	3005A	

Prep Batch: 403584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-6	Dup-2	Total/NA	Water	3005A	
310-267708-7	MW-300	Total/NA	Water	3005A	
310-267708-9	MW-18	Total/NA	Water	3005A	
310-267708-10	MW-304R	Total/NA	Water	3005A	
310-267708-11	MW-305	Total/NA	Water	3005A	
310-267708-13	MW-15	Total/NA	Water	3005A	
310-267708-14	GU-P	Total/NA	Water	3005A	
310-267708-16	MW-20	Total/NA	Water	3005A	
310-267708-17	MW-24	Total/NA	Water	3005A	
310-267708-18	MW-19	Total/NA	Water	3005A	
310-267708-19	Dup-1	Total/NA	Water	3005A	
310-267708-20	MW-302R	Total/NA	Water	3005A	
310-267708-23	MW-501	Total/NA	Water	3005A	
310-267708-24	MW-502	Total/NA	Water	3005A	
MB 310-403584/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-403584/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-267708-7 MS	MW-300	Total/NA	Water	3005A	
310-267708-7 MSD	MW-300	Total/NA	Water	3005A	
310-267708-18 DU	MW-19	Total/NA	Water	3005A	

Prep Batch: 403586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-25	EQ-1	Total/NA	Water	3005A	
310-267708-26	MW-301	Total/NA	Water	3005A	
310-267708-27	MW-201B	Total/NA	Water	3005A	
310-267708-28	MW-9AR	Total/NA	Water	3005A	
310-267708-29	MW-22	Total/NA	Water	3005A	
310-267708-30	MW-303	Total/NA	Water	3005A	
MB 310-403586/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-403586/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-267605-A-1-D MS	Matrix Spike	Total/NA	Water	3005A	
310-267605-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	
310-267605-A-3-D DU	Duplicate	Total/NA	Water	3005A	

Analysis Batch: 403753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-403380/2-A	Lab Control Sample	Total/NA	Water	6020B	403380
310-267540-A-1-B MS	Matrix Spike	Total/NA	Water	6020B	403380

Metals (Continued)

Analysis Batch: 403753 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267540-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6020B	403380
310-267561-A-2-B DU	Duplicate	Total/NA	Water	6020B	403380

Analysis Batch: 403812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-6	Dup-2	Total/NA	Water	6020B	403584
310-267708-7	MW-300	Total/NA	Water	6020B	403584
310-267708-9	MW-18	Total/NA	Water	6020B	403584
310-267708-10	MW-304R	Total/NA	Water	6020B	403584
310-267708-11	MW-305	Total/NA	Water	6020B	403584
310-267708-13	MW-15	Total/NA	Water	6020B	403584
310-267708-14	GU-P	Total/NA	Water	6020B	403584
310-267708-16	MW-20	Total/NA	Water	6020B	403584
310-267708-17	MW-24	Total/NA	Water	6020B	403584
310-267708-18	MW-19	Total/NA	Water	6020B	403584
310-267708-19	Dup-1	Total/NA	Water	6020B	403584
310-267708-20	MW-302R	Total/NA	Water	6020B	403584
310-267708-23	MW-501	Total/NA	Water	6020B	403584
310-267708-24	MW-502	Total/NA	Water	6020B	403584
310-267708-25	EQ-1	Total/NA	Water	6020B	403586
310-267708-26	MW-301	Total/NA	Water	6020B	403586
310-267708-27	MW-201B	Total/NA	Water	6020B	403586
310-267708-28	MW-9AR	Total/NA	Water	6020B	403586
310-267708-29	MW-22	Total/NA	Water	6020B	403586
310-267708-30	MW-303	Total/NA	Water	6020B	403586
MB 310-403584/1-A	Method Blank	Total/NA	Water	6020B	403584
MB 310-403586/1-A	Method Blank	Total/NA	Water	6020B	403586
LCS 310-403584/2-A	Lab Control Sample	Total/NA	Water	6020B	403584
LCS 310-403586/2-A	Lab Control Sample	Total/NA	Water	6020B	403586
310-267605-A-1-D MS	Matrix Spike	Total/NA	Water	6020B	403586
310-267605-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Water	6020B	403586
310-267708-7 MS	MW-300	Total/NA	Water	6020B	403584
310-267708-7 MSD	MW-300	Total/NA	Water	6020B	403584
310-267605-A-3-D DU	Duplicate	Total/NA	Water	6020B	403586
310-267708-18 DU	MW-19	Total/NA	Water	6020B	403584

Analysis Batch: 403907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267540-A-1-B MS	Matrix Spike	Total/NA	Water	6020B	403380
310-267540-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6020B	403380

Analysis Batch: 403913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-1	GU-1	Total/NA	Water	6020B	403380
310-267708-2	GU-L	Total/NA	Water	6020B	403380
310-267708-3	GU-O	Total/NA	Water	6020B	403380
310-267708-4	MW-30	Total/NA	Water	6020B	403380
310-267708-5	MW-306	Total/NA	Water	6020B	403380

Metals

Prep Batch: 403973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-6	Dup-2	Total/NA	Water	3005A	
310-267708-10	MW-304R	Total/NA	Water	3005A	
310-267708-17	MW-24	Total/NA	Water	3005A	
310-267708-19	Dup-1	Total/NA	Water	3005A	
310-267708-20	MW-302R	Total/NA	Water	3005A	
310-267708-26	MW-301	Total/NA	Water	3005A	
310-267708-27	MW-201B	Total/NA	Water	3005A	
310-267708-28	MW-9AR	Total/NA	Water	3005A	
310-267708-29	MW-22	Total/NA	Water	3005A	
310-267708-30	MW-303	Total/NA	Water	3005A	
MB 310-403973/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-403973/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-267708-20 MS	MW-302R	Total/NA	Water	3005A	
310-267708-20 MSD	MW-302R	Total/NA	Water	3005A	

Analysis Batch: 403996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-403380/1-A	Method Blank	Total/NA	Water	6020B	403380
LCS 310-403380/2-A	Lab Control Sample	Total/NA	Water	6020B	403380
310-267540-A-1-B MS	Matrix Spike	Total/NA	Water	6020B	403380
310-267540-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6020B	403380

Analysis Batch: 404053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-1	GU-1	Total/NA	Water	6020B	403380
310-267708-2	GU-L	Total/NA	Water	6020B	403380
310-267708-3	GU-O	Total/NA	Water	6020B	403380

Analysis Batch: 404254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-6	Dup-2	Total/NA	Water	6020B	403973
310-267708-10	MW-304R	Total/NA	Water	6020B	403973
310-267708-17	MW-24	Total/NA	Water	6020B	403973
310-267708-19	Dup-1	Total/NA	Water	6020B	403973
310-267708-20	MW-302R	Total/NA	Water	6020B	403973
310-267708-26	MW-301	Total/NA	Water	6020B	403973
310-267708-27	MW-201B	Total/NA	Water	6020B	403973
310-267708-28	MW-9AR	Total/NA	Water	6020B	403973
310-267708-29	MW-22	Total/NA	Water	6020B	403973
310-267708-30	MW-303	Total/NA	Water	6020B	403973
MB 310-403973/1-A	Method Blank	Total/NA	Water	6020B	403973
LCS 310-403973/2-A	Lab Control Sample	Total/NA	Water	6020B	403973
310-267708-20 MS	MW-302R	Total/NA	Water	6020B	403973
310-267708-20 MSD	MW-302R	Total/NA	Water	6020B	403973

Prep Batch: 404398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-11	MW-305	Total/NA	Water	3005A	
310-267708-12	MW-29	Total/NA	Water	3005A	
310-267708-13	MW-15	Total/NA	Water	3005A	
310-267708-14	GU-P	Total/NA	Water	3005A	

QC Association Summary

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Metals (Continued)

Prep Batch: 404398 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-22	MW-307A	Total/NA	Water	3005A	
310-267708-24	MW-502	Total/NA	Water	3005A	
MB 310-404398/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-404398/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-267651-A-6-D MS	Matrix Spike	Total/NA	Water	3005A	
310-267651-A-6-E MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	

Analysis Batch: 404684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-11	MW-305	Total/NA	Water	6020B	404398
310-267708-12	MW-29	Total/NA	Water	6020B	404398
310-267708-13	MW-15	Total/NA	Water	6020B	404398
310-267708-14	GU-P	Total/NA	Water	6020B	404398
310-267708-22	MW-307A	Total/NA	Water	6020B	404398
310-267708-24	MW-502	Total/NA	Water	6020B	404398
MB 310-404398/1-A	Method Blank	Total/NA	Water	6020B	404398
LCS 310-404398/2-A	Lab Control Sample	Total/NA	Water	6020B	404398
310-267651-A-6-D MS	Matrix Spike	Total/NA	Water	6020B	404398
310-267651-A-6-E MSD	Matrix Spike Duplicate	Total/NA	Water	6020B	404398

General Chemistry

Analysis Batch: 403389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-4	MW-30	Total/NA	Water	I-3765-85	
310-267708-5	MW-306	Total/NA	Water	I-3765-85	
310-267708-6	Dup-2	Total/NA	Water	I-3765-85	
310-267708-7	MW-300	Total/NA	Water	I-3765-85	
310-267708-10	MW-304R	Total/NA	Water	I-3765-85	
310-267708-11	MW-305	Total/NA	Water	I-3765-85	
310-267708-12	MW-29	Total/NA	Water	I-3765-85	
310-267708-13	MW-15	Total/NA	Water	I-3765-85	
310-267708-17	MW-24	Total/NA	Water	I-3765-85	
310-267708-18	MW-19	Total/NA	Water	I-3765-85	
310-267708-19	Dup-1	Total/NA	Water	I-3765-85	
310-267708-20	MW-302R	Total/NA	Water	I-3765-85	
310-267708-23	MW-501	Total/NA	Water	I-3765-85	
MB 310-403389/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-403389/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-267708-10 DU	MW-304R	Total/NA	Water	I-3765-85	

Analysis Batch: 403494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-25	EQ-1	Total/NA	Water	I-3765-85	
310-267708-26	MW-301	Total/NA	Water	I-3765-85	
MB 310-403494/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-403494/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-267759-A-1 DU	Duplicate	Total/NA	Water	I-3765-85	

General Chemistry

Analysis Batch: 403500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-14	GU-P	Total/NA	Water	I-3765-85	
310-267708-22	MW-307A	Total/NA	Water	I-3765-85	
310-267708-28	MW-9AR	Total/NA	Water	I-3765-85	
310-267708-30	MW-303	Total/NA	Water	I-3765-85	
MB 310-403500/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-403500/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-267801-B-4 DU	Duplicate	Total/NA	Water	I-3765-85	

Analysis Batch: 403681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-1	GU-1	Total/NA	Water	I-3765-85	
310-267708-2	GU-L	Total/NA	Water	I-3765-85	
310-267708-3	GU-O	Total/NA	Water	I-3765-85	
310-267708-9	MW-18	Total/NA	Water	I-3765-85	
310-267708-16	MW-20	Total/NA	Water	I-3765-85	
310-267708-24	MW-502	Total/NA	Water	I-3765-85	
310-267708-27	MW-201B	Total/NA	Water	I-3765-85	
310-267708-29	MW-22	Total/NA	Water	I-3765-85	
MB 310-403681/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-403681/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-267708-1 DU	GU-1	Total/NA	Water	I-3765-85	

Prep Batch: 738881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-27	MW-201B	Total/NA	Water	9030B	
310-267708-28	MW-9AR	Total/NA	Water	9030B	
MB 500-738881/1-A	Method Blank	Total/NA	Water	9030B	
LCS 500-738881/2-A	Lab Control Sample	Total/NA	Water	9030B	

Analysis Batch: 738882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-267708-27	MW-201B	Total/NA	Water	9034	738881
310-267708-28	MW-9AR	Total/NA	Water	9034	738881
MB 500-738881/1-A	Method Blank	Total/NA	Water	9034	738881
LCS 500-738881/2-A	Lab Control Sample	Total/NA	Water	9034	738881

Lab Chronicle

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: GU-1

Lab Sample ID: 310-267708-1

Date Collected: 10/19/23 09:00
Date Received: 10/19/23 17:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403515	FE5V	EET CF	10/25/23 04:27
Total/NA	Prep	3005A			403380	DHM5	EET CF	10/23/23 11:20
Total/NA	Analysis	6020B		1	403913	A6US	EET CF	10/26/23 15:33
Total/NA	Prep	3005A			403380	DHM5	EET CF	10/23/23 11:20
Total/NA	Analysis	6020B		1	404053	A6US	EET CF	10/27/23 13:09
Total/NA	Analysis	I-3765-85		1	403681	DGU1	EET CF	10/25/23 09:45

Client Sample ID: GU-L

Lab Sample ID: 310-267708-2

Date Collected: 10/19/23 08:00
Date Received: 10/19/23 17:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403515	FE5V	EET CF	10/25/23 04:50
Total/NA	Prep	3005A			403380	DHM5	EET CF	10/23/23 11:20
Total/NA	Analysis	6020B		1	403913	A6US	EET CF	10/26/23 15:56
Total/NA	Prep	3005A			403380	DHM5	EET CF	10/23/23 11:20
Total/NA	Analysis	6020B		1	404053	A6US	EET CF	10/27/23 13:11
Total/NA	Analysis	I-3765-85		1	403681	DGU1	EET CF	10/25/23 09:45

Client Sample ID: GU-O

Lab Sample ID: 310-267708-3

Date Collected: 10/19/23 08:30
Date Received: 10/19/23 17:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403515	FE5V	EET CF	10/25/23 05:13
Total/NA	Prep	3005A			403380	DHM5	EET CF	10/23/23 11:20
Total/NA	Analysis	6020B		1	403913	A6US	EET CF	10/26/23 15:59
Total/NA	Prep	3005A			403380	DHM5	EET CF	10/23/23 11:20
Total/NA	Analysis	6020B		1	404053	A6US	EET CF	10/27/23 13:13
Total/NA	Analysis	I-3765-85		1	403681	DGU1	EET CF	10/25/23 09:45

Client Sample ID: MW-30

Lab Sample ID: 310-267708-4

Date Collected: 10/18/23 13:17
Date Received: 10/19/23 17:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403515	FE5V	EET CF	10/25/23 05:36
Total/NA	Prep	3005A			403380	DHM5	EET CF	10/23/23 11:20
Total/NA	Analysis	6020B		1	403913	A6US	EET CF	10/26/23 16:02
Total/NA	Analysis	I-3765-85		1	403389	DGU1	EET CF	10/23/23 12:11

Client Sample ID: MW-306 **Lab Sample ID: 310-267708-5**
Date Collected: 10/18/23 14:50 **Matrix: Water**
Date Received: 10/19/23 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403515	FE5V	EET CF	10/25/23 05:58
Total/NA	Prep	3005A			403380	DHM5	EET CF	10/23/23 11:20
Total/NA	Analysis	6020B		1	403913	A6US	EET CF	10/26/23 16:06
Total/NA	Analysis	I-3765-85		1	403389	DGU1	EET CF	10/23/23 12:11

Client Sample ID: Dup-2 **Lab Sample ID: 310-267708-6**
Date Collected: 10/18/23 10:00 **Matrix: Water**
Date Received: 10/19/23 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403517	FE5V	EET CF	10/25/23 11:38
Total/NA	Prep	3005A			403584	KCK5	EET CF	10/25/23 09:30
Total/NA	Analysis	6020B		1	403812	A6US	EET CF	10/25/23 17:29
Total/NA	Prep	3005A			403973	KCK5	EET CF	10/27/23 10:30
Total/NA	Analysis	6020B		1	404254	A6US	EET CF	10/30/23 12:54
Total/NA	Analysis	I-3765-85		1	403389	DGU1	EET CF	10/23/23 12:11

Client Sample ID: MW-300 **Lab Sample ID: 310-267708-7**
Date Collected: 10/18/23 16:20 **Matrix: Water**
Date Received: 10/19/23 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403517	FE5V	EET CF	10/25/23 12:01
Total/NA	Prep	3005A			403584	KCK5	EET CF	10/25/23 09:30
Total/NA	Analysis	6020B		1	403812	A6US	EET CF	10/25/23 17:32
Total/NA	Analysis	I-3765-85		1	403389	DGU1	EET CF	10/23/23 12:11

Client Sample ID: TB-3 **Lab Sample ID: 310-267708-8**
Date Collected: 10/18/23 00:00 **Matrix: Water**
Date Received: 10/19/23 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403515	FE5V	EET CF	10/25/23 01:02

Client Sample ID: MW-18 **Lab Sample ID: 310-267708-9**
Date Collected: 10/19/23 11:57 **Matrix: Water**
Date Received: 10/19/23 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403517	FE5V	EET CF	10/25/23 12:24
Total/NA	Prep	3005A			403584	KCK5	EET CF	10/25/23 09:30
Total/NA	Analysis	6020B		1	403812	A6US	EET CF	10/25/23 17:48
Total/NA	Analysis	I-3765-85		1	403681	DGU1	EET CF	10/25/23 09:45

Lab Chronicle

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: MW-304R
Date Collected: 10/18/23 16:52
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403517	FE5V	EET CF	10/25/23 12:46
Total/NA	Prep	3005A			403584	KCK5	EET CF	10/25/23 09:30
Total/NA	Analysis	6020B		1	403812	A6US	EET CF	10/25/23 17:51
Total/NA	Prep	3005A			403973	KCK5	EET CF	10/27/23 10:30
Total/NA	Analysis	6020B		1	404254	A6US	EET CF	10/30/23 12:56
Total/NA	Analysis	I-3765-85		1	403389	DGU1	EET CF	10/23/23 12:11

Client Sample ID: MW-305
Date Collected: 10/18/23 16:05
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403517	FE5V	EET CF	10/25/23 13:09
Total/NA	Prep	3005A			403584	KCK5	EET CF	10/25/23 09:30
Total/NA	Analysis	6020B		1	403812	A6US	EET CF	10/25/23 18:08
Total/NA	Prep	3005A			404398	KCK5	EET CF	11/01/23 09:20
Total/NA	Analysis	6020B		1	404684	DHM5	EET CF	11/02/23 15:26
Total/NA	Analysis	I-3765-85		1	403389	DGU1	EET CF	10/23/23 12:11

Client Sample ID: MW-29
Date Collected: 10/18/23 14:00
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403517	FE5V	EET CF	10/25/23 13:32
Total/NA	Prep	3005A			404398	KCK5	EET CF	11/01/23 09:20
Total/NA	Analysis	6020B		1	404684	DHM5	EET CF	11/02/23 15:28
Total/NA	Analysis	I-3765-85		1	403389	DGU1	EET CF	10/23/23 12:11

Client Sample ID: MW-15
Date Collected: 10/18/23 13:17
Date Received: 10/19/23 17:30

Lab Sample ID: 310-267708-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403517	FE5V	EET CF	10/25/23 13:55
Total/NA	Prep	3005A			403584	KCK5	EET CF	10/25/23 09:30
Total/NA	Analysis	6020B		1	403812	A6US	EET CF	10/25/23 18:15
Total/NA	Prep	3005A			404398	KCK5	EET CF	11/01/23 09:20
Total/NA	Analysis	6020B		1	404684	DHM5	EET CF	11/02/23 15:30
Total/NA	Analysis	I-3765-85		1	403389	DGU1	EET CF	10/23/23 12:11

Lab Chronicle

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: GU-P

Lab Sample ID: 310-267708-14
Date Collected: 10/19/23 08:45
Matrix: Water
Date Received: 10/19/23 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403517	FE5V	EET CF	10/25/23 14:18
Total/NA	Prep	3005A			403584	KCK5	EET CF	10/25/23 09:30
Total/NA	Analysis	6020B		1	403812	A6US	EET CF	10/25/23 18:18
Total/NA	Prep	3005A			404398	KCK5	EET CF	11/01/23 09:20
Total/NA	Analysis	6020B		1	404684	DHM5	EET CF	11/02/23 15:32
Total/NA	Analysis	I-3765-85		1	403500	DGU1	EET CF	10/24/23 09:41

Client Sample ID: TB-1

Lab Sample ID: 310-267708-15
Date Collected: 10/19/23 00:00
Matrix: Water
Date Received: 10/19/23 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403517	FE5V	EET CF	10/25/23 10:53

Client Sample ID: MW-20

Lab Sample ID: 310-267708-16
Date Collected: 10/19/23 11:47
Matrix: Water
Date Received: 10/19/23 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403517	FE5V	EET CF	10/25/23 14:40
Total/NA	Prep	3005A			403584	KCK5	EET CF	10/25/23 09:30
Total/NA	Analysis	6020B		1	403812	A6US	EET CF	10/25/23 18:21
Total/NA	Analysis	I-3765-85		1	403681	DGU1	EET CF	10/25/23 09:45

Client Sample ID: MW-24

Lab Sample ID: 310-267708-17
Date Collected: 10/18/23 15:10
Matrix: Water
Date Received: 10/19/23 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403517	FE5V	EET CF	10/25/23 15:03
Total/NA	Prep	3005A			403584	KCK5	EET CF	10/25/23 09:30
Total/NA	Analysis	6020B		1	403812	A6US	EET CF	10/25/23 18:25
Total/NA	Prep	3005A			403973	KCK5	EET CF	10/27/23 10:30
Total/NA	Analysis	6020B		1	404254	A6US	EET CF	10/30/23 12:58
Total/NA	Analysis	I-3765-85		1	403389	DGU1	EET CF	10/23/23 12:11

Client Sample ID: MW-19

Lab Sample ID: 310-267708-18
Date Collected: 10/18/23 17:32
Matrix: Water
Date Received: 10/19/23 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403517	FE5V	EET CF	10/25/23 15:25
Total/NA	Prep	3005A			403584	KCK5	EET CF	10/25/23 09:30
Total/NA	Analysis	6020B		1	403812	A6US	EET CF	10/25/23 18:28
Total/NA	Analysis	I-3765-85		1	403389	DGU1	EET CF	10/23/23 12:11

Lab Chronicle

Client: HDR Inc

Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: Dup-1

Lab Sample ID: 310-267708-19

Date Collected: 10/18/23 11:00

Date Received: 10/19/23 17:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403517	FE5V	EET CF	10/25/23 15:48
Total/NA	Prep	3005A			403584	KCK5	EET CF	10/25/23 09:30
Total/NA	Analysis	6020B		1	403812	A6US	EET CF	10/25/23 18:35
Total/NA	Prep	3005A			403973	KCK5	EET CF	10/27/23 10:30
Total/NA	Analysis	6020B		1	404254	A6US	EET CF	10/30/23 13:00
Total/NA	Analysis	I-3765-85		1	403389	DGU1	EET CF	10/23/23 12:11

Client Sample ID: MW-302R

Lab Sample ID: 310-267708-20

Date Collected: 10/18/23 15:25

Date Received: 10/19/23 17:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403517	FE5V	EET CF	10/25/23 16:11
Total/NA	Prep	3005A			403584	KCK5	EET CF	10/25/23 09:30
Total/NA	Analysis	6020B		1	403812	A6US	EET CF	10/25/23 18:38
Total/NA	Prep	3005A			403973	KCK5	EET CF	10/27/23 10:30
Total/NA	Analysis	6020B		1	404254	A6US	EET CF	10/30/23 13:02
Total/NA	Analysis	I-3765-85		1	403389	DGU1	EET CF	10/23/23 12:11

Client Sample ID: TB-2

Lab Sample ID: 310-267708-21

Date Collected: 10/18/23 00:00

Date Received: 10/19/23 17:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403517	FE5V	EET CF	10/25/23 11:16

Client Sample ID: MW-307A

Lab Sample ID: 310-267708-22

Date Collected: 10/19/23 11:25

Date Received: 10/19/23 17:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403517	FE5V	EET CF	10/25/23 16:34
Total/NA	Prep	3005A			404398	KCK5	EET CF	11/01/23 09:20
Total/NA	Analysis	6020B		1	404684	DHM5	EET CF	11/02/23 15:35
Total/NA	Analysis	I-3765-85		1	403500	DGU1	EET CF	10/24/23 09:41

Client Sample ID: MW-501

Lab Sample ID: 310-267708-23

Date Collected: 10/18/23 12:55

Date Received: 10/19/23 17:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403517	FE5V	EET CF	10/25/23 16:56
Total/NA	Prep	3005A			403584	KCK5	EET CF	10/25/23 09:30
Total/NA	Analysis	6020B		1	403812	A6US	EET CF	10/25/23 18:58
Total/NA	Analysis	I-3765-85		1	403389	DGU1	EET CF	10/23/23 12:11

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: MW-502

Lab Sample ID: 310-267708-24

Date Collected: 10/19/23 10:25
Date Received: 10/19/23 17:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403517	FE5V	EET CF	10/25/23 17:19
Total/NA	Prep	3005A			403584	KCK5	EET CF	10/25/23 09:30
Total/NA	Analysis	6020B		1	403812	A6US	EET CF	10/25/23 19:01
Total/NA	Prep	3005A			404398	KCK5	EET CF	11/01/23 09:20
Total/NA	Analysis	6020B		1	404684	DHM5	EET CF	11/02/23 15:37
Total/NA	Analysis	I-3765-85		1	403681	DGU1	EET CF	10/25/23 09:45

Client Sample ID: EQ-1

Lab Sample ID: 310-267708-25

Date Collected: 10/19/23 14:47
Date Received: 10/19/23 17:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403517	FE5V	EET CF	10/25/23 17:42
Total/NA	Prep	3005A			403586	KCK5	EET CF	10/25/23 09:30
Total/NA	Analysis	6020B		1	403812	A6US	EET CF	10/25/23 20:31
Total/NA	Analysis	I-3765-85		1	403494	DGU1	EET CF	10/24/23 08:59

Client Sample ID: MW-301

Lab Sample ID: 310-267708-26

Date Collected: 10/19/23 12:31
Date Received: 10/19/23 17:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403517	FE5V	EET CF	10/25/23 18:05
Total/NA	Prep	3005A			403586	KCK5	EET CF	10/25/23 09:30
Total/NA	Analysis	6020B		1	403812	A6US	EET CF	10/25/23 19:55
Total/NA	Prep	3005A			403973	KCK5	EET CF	10/27/23 10:30
Total/NA	Analysis	6020B		1	404254	A6US	EET CF	10/30/23 13:21
Total/NA	Analysis	I-3765-85		1	403494	DGU1	EET CF	10/24/23 08:59

Client Sample ID: MW-201B

Lab Sample ID: 310-267708-27

Date Collected: 10/19/23 09:35
Date Received: 10/19/23 17:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403873	FE5V	EET CF	10/26/23 15:51
Total/NA	Prep	3005A			403586	KCK5	EET CF	10/25/23 09:30
Total/NA	Analysis	6020B		1	403812	A6US	EET CF	10/25/23 19:58
Total/NA	Prep	3005A			403973	KCK5	EET CF	10/27/23 10:30
Total/NA	Analysis	6020B		1	404254	A6US	EET CF	10/30/23 13:24
Total/NA	Prep	9030B			738881	CLB	EET CHI	10/25/23 17:18 - 10/25/23 17:24 [1]
Total/NA	Analysis	9034		1	738882	CLB	EET CHI	10/25/23 19:11 - 10/25/23 19:28 [1]
Total/NA	Analysis	I-3765-85		1	403681	DGU1	EET CF	10/25/23 09:45

Lab Chronicle

Client: HDR Inc

Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Client Sample ID: MW-9AR **Lab Sample ID: 310-267708-28**

Date Collected: 10/19/23 09:48 **Matrix: Water**

Date Received: 10/19/23 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403656	WSE8	EET CF	10/25/23 23:06
Total/NA	Prep	3005A			403586	KCK5	EET CF	10/25/23 09:30
Total/NA	Analysis	6020B		1	403812	A6US	EET CF	10/25/23 20:01
Total/NA	Prep	3005A			403973	KCK5	EET CF	10/27/23 10:30
Total/NA	Analysis	6020B		1	404254	A6US	EET CF	10/30/23 13:26
Total/NA	Prep	9030B			738881	CLB	EET CHI	10/25/23 17:24 - 10/25/23 17:30 [1]
Total/NA	Analysis	9034		1	738882	CLB	EET CHI	10/25/23 19:28 - 10/25/23 19:45 [1]
Total/NA	Analysis	I-3765-85		1	403500	DGU1	EET CF	10/24/23 09:41

Client Sample ID: MW-22 **Lab Sample ID: 310-267708-29**

Date Collected: 10/19/23 10:42 **Matrix: Water**

Date Received: 10/19/23 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403656	WSE8	EET CF	10/25/23 23:28
Total/NA	Prep	3510C			403179	Y6AF	EET CF	10/20/23 08:34
Total/NA	Analysis	8081B		1	403191	BW2O	EET CF	10/20/23 16:34
Total/NA	Prep	8151A			435635	QJZ6	ELLE	10/25/23 15:55
Total/NA	Analysis	8151A		1	435791	UAMZ	ELLE	10/26/23 10:12
Total/NA	Prep	3005A			403586	KCK5	EET CF	10/25/23 09:30
Total/NA	Analysis	6020B		1	403812	A6US	EET CF	10/25/23 20:05
Total/NA	Prep	3005A			403973	KCK5	EET CF	10/27/23 10:30
Total/NA	Analysis	6020B		1	404254	A6US	EET CF	10/30/23 13:28
Total/NA	Analysis	I-3765-85		1	403681	DGU1	EET CF	10/25/23 09:45

Client Sample ID: MW-303 **Lab Sample ID: 310-267708-30**

Date Collected: 10/19/23 12:40 **Matrix: Water**

Date Received: 10/19/23 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403251	D2YP	EET CF	10/20/23 20:07
Total/NA	Prep	3510C			403179	Y6AF	EET CF	10/20/23 08:34
Total/NA	Analysis	8081B		1	403191	BW2O	EET CF	10/20/23 16:50
Total/NA	Prep	8151A			435635	QJZ6	ELLE	10/25/23 15:55
Total/NA	Analysis	8151A		1	435791	UAMZ	ELLE	10/26/23 10:40
Total/NA	Prep	3005A			403586	KCK5	EET CF	10/25/23 09:30
Total/NA	Analysis	6020B		1	403812	A6US	EET CF	10/25/23 20:08
Total/NA	Prep	3005A			403973	KCK5	EET CF	10/27/23 10:30
Total/NA	Analysis	6020B		1	404254	A6US	EET CF	10/30/23 13:30
Total/NA	Analysis	I-3765-85		1	403500	DGU1	EET CF	10/24/23 09:41

Lab Chronicle

Client: HDR Inc	Job ID: 310-267708-1
Project/Site: CRLCSWA_2

Client Sample ID: TB-4	**Lab Sample ID: 310-267708-31**
Date Collected: 10/19/23 00:00	**Matrix: Water**
Date Received: 10/19/23 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	403251	D2YP	EET CF	10/20/23 20:28

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Laboratory: Eurofins Cedar Falls

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-23

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	082	05-01-24

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	361	03-01-24

Method Summary

Client: HDR Inc
Project/Site: CRLCSWA_2

Job ID: 310-267708-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
8081B	Organochlorine Pesticides (GC)	SW846	EET CF
8151A	Herbicides (GC)	SW846	ELLE
6020B	Metals (ICP/MS)	SW846	EET CF
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	EET CHI
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF
8151A	Extraction (Herbicides)	SW846	ELLE
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

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310-267708 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR

City/State:	CITY	STATE	Project:

Receipt Information

Date/Time Received:	DATE 10/19/23	TIME 1730	Received By: LR

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:__________

Condition of Cooler/Containers

Sample(s) received in Cooler?	☒ Yes	☐ No	*If yes:* Cooler ID:
Multiple Coolers?	☒ Yes	☐ No	*If yes:* Cooler # 1 of 4
Cooler Custody Seals Present?	☐ Yes	☒ No	*If yes:* Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present?	☐ Yes	☒ No	*If yes:* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?	☒ Yes	☐ No	*If yes:* Which VOA samples are in cooler? ↓

MW-307R, MW-307A, MW-501, MW-502, EQ-1

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:________ ☐ NONE

Thermometer ID: P	Correction Factor (°C): 0

Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 5.4	Corrected Temp (°C): 5.4

Sample Container Temperature

Container(s) used:	CONTAINER 1	CONTAINER 2
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE. If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

Document: CED-P-SAM-FRM45521
Revision: 26
Date: 27 Jan 2022

Eurofins Cedar Falls

General temperature criteria is 0 to 6°C
Bacteria temperature criteria is 0 to 10°C

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 10/19/23 TIME 1730 | Received By: LR

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:________

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 2 of 4

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☒ Yes ☐ No *If yes:* Which VOA samples are in cooler? ↓

MW-301, MW-201B, MW-74R, MW-23 MW-303

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:________ ☐ NONE

Thermometer ID: P | Correction Factor (°C): 0

Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 8.6 | Corrected Temp (°C): 8.6

Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☒ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☒ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

Document: CED-P-SAM-FRM45521
Revision: 26
Date: 27 Jan 2022

Eurofins Cedar Falls

General temperature criteria is 0 to 6°C
Bacteria temperature criteria is 0 to 10°C

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: HDR			
City/State:	CITY	STATE	Project:
Receipt Information			
Date/Time Received:	DATE 10/19/23	TIME 1730	Received By: LR

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:____________

Condition of Cooler/Containers

Sample(s) received in Cooler?	☒ Yes	☐ No	*If yes:* Cooler ID:
Multiple Coolers?	☒ Yes	☐ No	*If yes:* Cooler # 3 of 4
Cooler Custody Seals Present?	☐ Yes	☒ No	*If yes:* Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present?	☐ Yes	☒ No	*If yes:* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present? TB-1	☒ Yes	☐ No	*If yes:* Which VOA samples are in cooler? ↓

MW-18, MW-304R, MW-305, MW-29, GU-P, MW-20, MW-24, MW-19, Dup-1

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:____________ ☐ NONE

Thermometer ID: P	Correction Factor (°C): 0

• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.3	Corrected Temp (°C): 1.3

• Sample Container Temperature

Container(s) used:	CONTAINER 1	CONTAINER 2
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: HDR			
City/State:	CITY	STATE	Project:
Receipt Information			
Date/Time Received:	DATE 10/19/23	TIME 1730	Received By: LR

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:________

Condition of Cooler/Containers

Sample(s) received in Cooler?	☒ Yes	☐ No	*If yes:* Cooler ID:
Multiple Coolers?	☒ Yes	☐ No	*If yes:* Cooler # 4 of 4
Cooler Custody Seals Present?	☐ Yes	☒ No	*If yes:* Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present?	☐ Yes	☒ No	*If yes:* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present? TB-3	☒ Yes	☐ No	*If yes:* Which VOA samples are in cooler? ↓

MW-15, GV-1, GV-D, GV-L, MW-30,

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:________ ☐ NONE

Thermometer ID: P	Correction Factor (°C): 0

• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.9	Corrected Temp (°C): 1.9

• Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE. If yes, contact PM before proceeding If no, proceed with login

Additional Comments

Document· CED-P-SAM-FRM45521
Revision· 26
Date 27 Jan 2022

Eurofins Cedar Falls

General temperature criteria is 0 to 6°C
Bacteria temperature criteria is 0 to 10°C

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone (319) 277-2401 Phone (319) 277-2425

Chain of Custody Record

DSM 214

eurofins | Environment Testing

Client Information	Sampler: Andy Lee	Lab PM: Liechti, Meredith L	Carrier Tracking No(s):	COC No: 310-86378-24068 1
Client Contact: Richard Wilson	Phone:	E-Mail: meredith.liechti@et.eurofinsus.com	State of Origin:	Page: Page 1 of 3
Company: HDR Inc	PWSID:			Job #:
Address: 1917 S 67th Street	Due Date Requested:			
City: Omaha	TAT Requested (days):			
State, Zip: NE, 68106	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: richard.wilson2@hdrinc.com	WO #:			
Project Name: CRLCSWA_2	Project #: 31006785			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	App 1	TSS	APP2	APP 1 VOC ONLY	2,4-D	GAMMA-BHC	BENZENE	HEPTACHLOR	COLBALT	BETA-BHC	2,46 TP (SILVEX)	SULFIDE	Total Number of containers	Special Instructions/Note:
			Preservation Code:																	
GU-1	10/19/23	9:00	GW	Water	N	N	X	X											5	
GU-L	10/19/23	8:00	GW	Water	N	N	X	X											5	
GU-O	10/19/23	8:30	GW	Water	N	N	X	X											5	
~~[illegible]~~				Water																
MW-30	10/18/23	13:17	GW	Water	N	N		X					X		X				5	
~~[illegible]~~				Water																
~~[illegible]~~				Water																
MW-306	10/18/23	14:50	GW	Water	N	N		X					X		X				5	
DUP-2	10/18/23	10:00	GW	Water	N	N	X	X											5	
MW-300	10/18/23	16:20	GW	Water	N	N	X	X											5	
TB-3 VOA				Water	N	N	X												2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ________ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 4:30 pm	Company: HDR	Received by: [signature]	Date/Time: 10/19/23 1730	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Custody Seals Intact: Δ Yes Δ No	Custody Seal No:		Cooler Temperature(s) °C and Other Remarks:		

Ver: 01/16/2019

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone (319) 277-2401 Phone (319) 277-2425

Chain of Custody Record

DSM 214

eurofins | Environment Testing

Client Information	Sampler: Brendan Burker	Lab PM: Liechti, Meredith L	Carrier Tracking No(s):	COC No: 310-86378-24068.2
Client Contact: Richard Wilson	Phone: 719-649-6338	E-Mail: meredith.liechti@et.eurofinsus.com	State of Origin:	Page: Page 2 of 3
Company: HDR Inc	PWSID:	**Analysis Requested**		Job #:
Address: 1917 S 67th Street	**Due Date Requested:**			**Preservation Codes:** A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
City: Omaha	**TAT Requested (days):**			
State, Zip: NE, 68106	**Compliance Project:** Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: richard.wilson2@hdrinc.com	WO #:			
Project Name: CRLCSWA_2	Project #: 31006785			Other:
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	App 1	TSS	APP2	APP 1 VOC ONLY	2,4-D	GAMMA-BHC	BENZENE	HEPTACHLOR	COLBALT	BETA-BHC	2,4,5 TP (SILVEX)	SULFIDE		Total Number of containers	Special Instructions/Note:
				Preservation Code:																	
MW-18	10/19	11:57	G	Water	N	N	X	X												5	
MW-304R	10/18	16:52	G	Water	N	N	X	X												5	
MW-305	10/18	16:05	G	Water	N	N	X	X												5	
MW-29	10/18	14:00	G	Water	N	N		X					X		X					5	
MW-15	10/18	13:17	G	Water	N	N	X	X					~~X~~		~~X~~					5	
GU-P	10/19	8:45	G	Water	N	N	X	X					~~X~~		~~X~~					5	
TB-1	/	/	/	Water	N	N	~~X~~	~~X~~		X			~~X~~		~~X~~					1	
MW-20	10/19	11:47	G	Water	N	N	X	X												5	
MW-24	10/18	15:10	G	Water	N	N	X	X												5	
MW-19	10/18	17:32	G	Water	N	N	X	X												5	
DUP-1	10/18	11:00	G	Water	N	N	X	X												5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ________ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:	
Relinquished by: Brendan Burker	Date/Time: 5:20 PM 10/19	Company	Received by: [signature]	Date/Time: 10/19/23 1730	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone (319) 277-2401 Phone (319) 277-2425

Chain of Custody Record

DSM 214

eurofins | Environment Testing

Client Information	Sampler: Andy Lee	Lab PM: Liechti, Meredith L	Carrier Tracking No(s):	COC No: 310-86378-24068.2
Client Contact: Richard Wilson	Phone:	E-Mail: meredith liechti@et.eurofinsus.com	State of Origin:	Page: Page 2 of 3
Company: HDR Inc	PWSID:			Job #:
Address: 1917 S 67th Street	Due Date Requested:			
City: Omaha	TAT Requested (days):			
State, Zip: NE, 68106	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: richard.wilson2@hdrinc.com	WO #:			
Project Name: CRLCSWA_2	Project #: 31006785			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	App 1	TSS	APP2	APP 1 VOC ONLY	2,4-D	GAMMA-BHC	BENZENE	HEPTACHLOR	COLBALT	BETA-BHC	2,46 TP (SILVEX)	SULFIDE		Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
MW-302R	10/18/23	15:25	GW	Water	N	N	X	X												5	
~~MW-303R~~ TB-2 VOA				Water	N	N	X	~~X~~												1	
~~MW-305~~				Water			~~X~~	~~X~~													
~~MW-29~~				Water				~~X~~					~~X~~		X						
~~MW-30~~				Water				~~X~~					~~X~~		X						
~~MW-306~~				Water				~~X~~					~~X~~		X						
MW-307A	10/19/23	11:25	GW	Water				X					X		X					5	
MW-501	10/18/23	12:55	GW	Water	N	N	X	X												5	
MW-502	10/19/23	10:25	GW	Water	N	N	X	X												5	
EQ-1	10/19/23	14:47		Water	N	N	X	X												5	
~~DUP-2~~				Water			~~X~~	~~X~~													

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ________ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:	
Relinquished by: [signature]	Date/Time: 10/19/23 4pm	Company: HDR	Received by: [signature]	Date/Time: 10/19/23 1730	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone (319) 277-2401 Phone (319) 277-2425

Chain of Custody Record

DSM 214

eurofins | Environment Testing

Client Information	Sampler: Brendan Bunker	Lab PM: Liechti, Meredith L	Carrier Tracking No(s):	COC No: 310-86378-24068.3
Client Contact: Richard Wilson	Phone: 719-649-6338	E-Mail: meredith.liechti@et.eurofinsus.com	State of Origin:	Page: Page 3 of 3
Company: HDR Inc	PWSID:			Job #:
Address: 1917 S 67th Street	Due Date Requested:			
City: Omaha	TAT Requested (days):			
State, Zip: NE, 68106	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: richard.wilson2@hdrinc.com	WO #:			
Project Name: CRLCSWA_2	Project #: 31006785			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	App 1	TSS	APP2	APP 1 VOC ONLY	2,4-D	GAMMA-BHC	BENZENE	HEPTACHLOR	COLBALT	BETA-BHC	2,45 TP (SILVEX)	SULFIDE		Total Number of containers	Special Instructions/Note:
				Preservation Code:																	
~~DUP-2~~ MW-301	10/19	12:31	G	Water	N	N	X	X												5	
MW-201B	10/19	9:35	G	Water	N	N	X	X										X		6	
MW-9AR	10/19	9:48	G	Water	N	N	X	X										X		6	
MW-22	10/19	10:42	G	Water	N	N	X	X								X	X			9	
MW-303	10/19	12:40	G	Water	N	N	X	X			X	X		X						9	
~~MW-26A~~				~~Water~~				X	X												
~~TB-1~~ TB-4	/	/	/	Water	N	N				X											
~~TB-2~~				~~Water~~						X											
~~TB-3~~				~~Water~~						X											

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ______ *Months*

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Brendan Bunker	10/19 5:20 PM		[signature]	10/19/23 1730	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone 319-277-2401 Fax 319-277-2425

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Liechti, Meredith L	Carrier Tracking No(s):	COC No: 310-66513 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: meredith liechti@et eurofinsus com	State of Origin: Iowa	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): State - Iowa, State Program - Iowa		Job #: 310-267708-1
Address: 2417 Bond Street, ,	Due Date Requested: 11/1/2023	Analysis Requested		Preservation Codes:
City: University Park	TAT Requested (days):			
State Zip: IL, 60484				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #:			
Email:	WO #:			
Project Name: CRLCSWA_2	Project #: 31006785			
Site:	SSOW#:			Other:

310-267708 COC

Preservation Codes:
A HCL; B NaOH; C Zn Acetate; D Nitric Acid; E NaHSO4; F MeOH; G Amchlor; H Ascorbic Acid; I Ice; J DI Water; K EDTA; L EDA; M Hexane; N None; O AsNaO2; P Na2O4S; Q Na2SO3; R Na2S2O3; S - H2SO4; T TSP Dodecahydrate; U - Acetone; V - MCAA; W pH 4-5; Y - Trizma; Z - other (specify)

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9034_Calc/9030B	Total Number of containers	Special Instructions/Note:
			Preservation Code						
MW-201B (310-267708-27)	10/19/23	09 35 Central		Water			X	1	
MW-9AR (310-267708-28)	10/19/23	09 48 Central		Water			X	1	

Note: Since laboratory accreditations are subject to change Eurofins Environment Testing North Central LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing North Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing North Central LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central LLC

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For ________ Months*

Deliverable Requested I, II, III IV, Other (specify) Primary Deliverable Rank 2

Special Instructions/QC Requirements

Empty Kit Relinquished by		Date		Time	Method of Shipment:
Relinquished by: T[illegible]	Date/Time: 10/20/23 1120	Company	Received by: [illegible signature]	Date/Time: 10/21/23 1015	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time.	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks 2.3+2.1

Ver 06/08/2021

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 310-267708-1

Login Number: 267708

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Homolar, Dana J

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 310-267708-1

Login Number: 267708
List Number: 3
Creator: Scott, Sherri L

List Source: Eurofins Chicago
List Creation: 10/22/23 09:49 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Login Sample Receipt Checklist

Client: HDR Inc | Job Number: 310-267708-1

Login Number: 267708 | **List Source: Eurofins Lancaster Laboratories Environment Testing, LLC**
List Number: 2 | **List Creation: 10/21/23 11:16 AM**
Creator: Ballard, Megan

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Celia VanAlst
Cedar Rapids/Linn Co. Solid Waste Agency
1954 County Home Road
Marion, Iowa 52302

Generated 12/20/2023 11:48:22 AM

JOB DESCRIPTION

CRLCSWA_2

JOB NUMBER

310-271625-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

Eurofins Cedar Falls

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

Generated
12/20/2023 11:48:22 AM

Authorized for release by
Meredith Liechti, Service Center Manager
meredith.liechti@et.eurofinsus.com
(319)277-2401

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Job ID: 310-271625-1 Eurofins Cedar Falls

Job Narrative
310-271625-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 12/14/2023 4:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.1°C

Metals
Method 6020B: The reference method requires samples to be preserved to a pH of <2. The following samples were received with insufficient preservation at a pH of >2: GU-1 (310-271625-1) and GU-P (310-271625-2). The sample(s) was preserved to the appropriate pH in the laboratory.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Cedar Rapids/Linn Co. Solid Waste Agency
Project/Site: CRLCSWA_2

Job ID: 310-271625-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-271625-1	GU-1	Water	12/13/23 13:15	12/14/23 16:30
310-271625-2	GU-P	Water	12/13/23 14:30	12/14/23 16:30

Detection Summary

Client: Cedar Rapids/Linn Co. Solid Waste Agency — Job ID: 310-271625-1
Project/Site: CRLCSWA_2

Client Sample ID: GU-1 — Lab Sample ID: 310-271625-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	80.0		15.0	5.10	mg/L	1		I-3765-85	Total/NA

Client Sample ID: GU-P — Lab Sample ID: 310-271625-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.325		0.00200	0.000640	mg/L	1		6020B	Total/NA
Total Suspended Solids	18.7		5.00	1.70	mg/L	1		I-3765-85	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Cedar Rapids/Linn Co. Solid Waste Agency | Job ID: 310-271625-1

Project/Site: CRLCSWA_2

Client Sample ID: GU-1 | **Lab Sample ID: 310-271625-1**

Date Collected: 12/13/23 13:15 | **Matrix: Water**

Date Received: 12/14/23 16:30

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	<0.00640		0.0200	0.00640	mg/L		12/19/23 09:10	12/20/23 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**80.0**		15.0	5.10	mg/L			12/15/23 18:57	1

Client Sample Results

Client: Cedar Rapids/Linn Co. Solid Waste Agency | Job ID: 310-271625-1
Project/Site: CRLCSWA_2

Client Sample ID: GU-P | **Lab Sample ID: 310-271625-2**
Date Collected: 12/13/23 14:30 | **Matrix: Water**
Date Received: 12/14/23 16:30

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.325		0.00200	0.000640	mg/L		12/19/23 09:10	12/20/23 10:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	18.7		5.00	1.70	mg/L			12/15/23 18:57	1

Definitions/Glossary

Client: Cedar Rapids/Linn Co. Solid Waste Agency — Job ID: 310-271625-1
Project/Site: CRLCSWA_2

Qualifiers

Metals

Qualifier	Qualifier Description
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Sample Results

Client: Cedar Rapids/Linn Co. Solid Waste Agency
Job ID: 310-271625-1
Project/Site: CRLCSWA_2

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: 310-271677-A-1-B DU
Client Sample ID: Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 409456
Prep Batch: 409232

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Barium	0.334		0.3395		mg/L		2	20
Zinc	0.0115	J	0.008941	J F5	mg/L		25	20

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-409087/1
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 409087

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.70		5.00	1.70	mg/L			12/15/23 18:57	1

Lab Sample ID: LCS 310-409087/2
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 409087

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	98.00		mg/L		98	75 - 116

Lab Sample ID: 310-271567-B-2 DU
Client Sample ID: Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 409087

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	3660		3280		mg/L		11	35

Metals

Prep Batch: 409232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-271625-1	GU-1	Total/NA	Water	3005A	
310-271625-2	GU-P	Total/NA	Water	3005A	
310-271677-A-1-B DU	Duplicate	Total/NA	Water	3005A	

Analysis Batch: 409456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-271625-1	GU-1	Total/NA	Water	6020B	409232
310-271625-2	GU-P	Total/NA	Water	6020B	409232
310-271677-A-1-B DU	Duplicate	Total/NA	Water	6020B	409232

General Chemistry

Analysis Batch: 409087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-271625-1	GU-1	Total/NA	Water	I-3765-85	
310-271625-2	GU-P	Total/NA	Water	I-3765-85	
MB 310-409087/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-409087/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-271567-B-2 DU	Duplicate	Total/NA	Water	I-3765-85	

Lab Chronicle

Client: Cedar Rapids/Linn Co. Solid Waste Agency
Project/Site: CRLCSWA_2

Job ID: 310-271625-1

Client Sample ID: GU-1

Lab Sample ID: 310-271625-1

Date Collected: 12/13/23 13:15
Date Received: 12/14/23 16:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			409232	KCK5	EET CF	12/19/23 09:10
Total/NA	Analysis	6020B		1	409456	A6US	EET CF	12/20/23 10:54
Total/NA	Analysis	I-3765-85		1	409087	D7CP	EET CF	12/15/23 18:57

Client Sample ID: GU-P

Lab Sample ID: 310-271625-2

Date Collected: 12/13/23 14:30
Date Received: 12/14/23 16:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			409232	KCK5	EET CF	12/19/23 09:10
Total/NA	Analysis	6020B		1	409456	A6US	EET CF	12/20/23 10:56
Total/NA	Analysis	I-3765-85		1	409087	D7CP	EET CF	12/15/23 18:57

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

Accreditation/Certification Summary

Client: Cedar Rapids/Linn Co. Solid Waste Agency
Job ID: 310-271625-1
Project/Site: CRLCSWA_2

Laboratory: Eurofins Cedar Falls

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25

Method Summary

Client: Cedar Rapids/Linn Co. Solid Waste Agency
Project/Site: CRLCSWA_2

Job ID: 310-271625-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CF
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
3005A	Preparation, Total Metals	SW846	EET CF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

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310-271625 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR

City/State: CITY STATE | Project:

Receipt Information

Date/Time Received: DATE 12/14/23 TIME 1630 | Received By: UR

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:______

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☐ Yes ☒ No *If yes:* Cooler # ____ of ____

Cooler Custody Seals Present? ☒ Yes ☐ No *If yes:* Cooler custody seals intact? ☒ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☒ Yes ☐ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:______ ☐ NONE

Thermometer ID: X | Correction Factor (°C): 0

• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 0.1 | Corrected Temp (°C): 0.1

• Sample Container Temperature

Container(s) used:	CONTAINER 1	CONTAINER 2
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

Document CED-P-SAM-FRM45521
Revision 26
Date 27 Jan 2022

Eurofins Cedar Falls

General temperature criteria is 0 to 6°C
Bacteria temperature criteria is 0 to 10°C

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone (319) 277-2401 Phone (319) 277-2425

Chain of Custody Record

DSM 214

eurofins Environment Testing

Client Information	Sampler: Andy Lee	Lab PM: Liechti, Meredith L	Carrier Tracking No(s):	COC No: 310-87283-24447 1
Client Contact: Richard Wilson	Phone: 515-732-740	E-Mail: meredith.liechti@et.eurofinsus com	State of Origin:	Page: Page 1 of 1
Company: HDR Inc	PWSID:	**Analysis Requested**		Job #:
Address: 1917 S 67th Street	**Due Date Requested:**			**Preservation Codes.** A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
City: Omaha	**TAT Requested (days):**			
State, Zip: NE, 68106	**Compliance Project:** Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: richard.wilson2@hdrinc.com	WO #:			
Project Name: CRLCSWA_2	Project #: 31006785			**Other:**
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Barium	Zinc	TSS	Full App 2	VOCs App 1	Total Number of containers	Special Instructions/Note:
				Preservation Code:									
GU-1	12/13	13:15	G	Water	N	N		X	X				
GU-P		14:30	G	Water	N	N	X		X				
[redacted]				[redacted]									
Tripblank				Water	N	N					X		

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ________ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements.

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: [signature]	Date/Time: 12/13 7pm	Company: HDR	Received by: [signature]		Date/Time: 12/14/23 8 30	Company: Eurofins
Relinquished by:	Date/Time:	Company:	Received by: [signature]		Date/Time: 12/14/23 1630	Company:
Relinquished by:	Date/Time:	Company:	Received by:		Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Cedar Rapids/Linn Co. Solid Waste Agency

Job Number: 310-271625-1

Login Number: 271625

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Costello, Mackenzie K

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	False	Trip Blanks were not needed, tests were not applied.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	